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Uputstvo za upotrebu (EN)

HUAWEI P50 Pro 8/256GB Cocoa Gold



Tehnoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

Posetite nas i uživajte u ekskluzivnom iskustvu pametne kupovine klikom na link:

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HUAWEI P50 Pro

User Guide

HUAWEI

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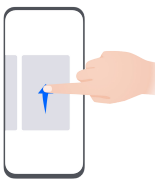
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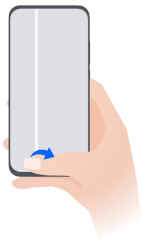
Basic Gestures

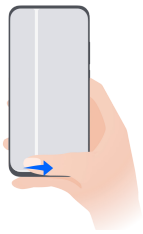
Basic Gestures and Shortcuts

System Navigation Gestures

Go to **Settings** > **System & updates** > **System navigation** and make sure that **Gestures** is selected.

	**Return to the previous screen** Swipe in from the left or right edges to return to the previous screen.
	**Back to home screen** Swipe up from the bottom to go to the home screen.
	**Recent tasks** Swipe up from the bottom of the screen and hold to view recent tasks.
	**Close an app** When viewing recent tasks, swipe up on an app preview to close the app.





Switch between apps

- Slide across the bottom edge of the screen to switch between apps. Before using this gesture, touch **Settings** on the **System navigation** screen, and ensure that **Slide across bottom to switch apps** is enabled.
- Swipe across the bottom of the screen in an arc to switch between apps.

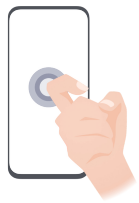
If your device does not have the **Slide across bottom to switch apps** switch, it indicates that the corresponding feature is not supported.

Knuckle Gestures

Before using knuckle gestures, use either of the following methods to make sure that all necessary features are enabled (depending on your device model):

Go to **Settings** > **Accessibility features** > **Shortcuts & gestures**, and enable **Take screenshot** and **Record screen**.

Go to **Settings** > **Accessibility features** > **Motion control** > **Take screenshot**, and enable **Smart screenshot**.



Take a screenshot

Knock twice on the screen with a knuckle to take a screenshot.



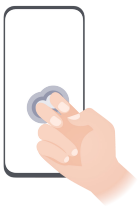
Take a scrollshot

Knock on the screen with a knuckle and draw an "S" to take a scrolling screenshot.

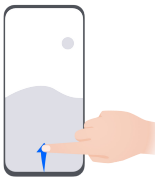
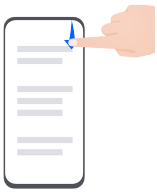


Capture part of the screen

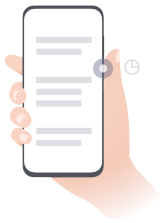
Knock and draw an enclosed area with a knuckle to capture part of the screen.

	**Record screen** Knock twice on the screen with two knuckles to start or end a screen recording.

More Gestures

	**Access Home screen editing mode** Pinch two fingers together on the home screen.
	**Display the shortcut panel on the lock screen** Turn on the screen and swipe up from the bottom of the lock screen.
	**Display the search bar** Swipe down from the middle of the home screen.
	**Display the notification panel** Swipe down from the upper left edge of the screen.
	**Turn on a shortcut switch** Swipe down from the upper right edge of the screen to display **Control Panel** and touch to expand the shortcut switches panel.

Button Shortcuts

	**Power off and restart** Press and hold the Power button until your phone displays the **Power off** and **Restart** menu.
	**Turn up volume** Press the Volume up button.
	**Turn down volume** Press the Volume down button.
	**Take a screenshot** Press the Volume down and Power buttons simultaneously.

Some products do not have volume buttons.

System Navigation

Change the System Navigation Mode

Navigate with Gestures

Go to **Settings** > **System & updates** > **System navigation** and select **Gestures**.

You can then:

- Go back to the previous screen: Swipe inward from the left or right edge.
- Return to the home screen: Swipe up from the bottom of the screen.
- Access the Recent tasks screen: Swipe up from the bottom of the screen and hold.
- Close an app: Swipe up on an app preview from the Recent tasks screen. Swiping down on an app preview can lock the app. A locked app will not be cleared when you touch on the Recent tasks screen.
- Switch apps: Swipe across the bottom of the screen in an arc. Alternatively, when **Slide across bottom to switch apps** is enabled, swipe across the bottom edge of the screen.

You can enable **Show navigation bar** to display the navigation bar to assist your gesture operations.

Slide across bottom to switch apps or **Show navigation bar** is not supported on certain products.

Use Three-Key Navigation

Go to **Settings** > **System & updates** > **System navigation** and select **Three-key navigation**.

You can then:

- Touch  to return to the previous menu or exit the current app.
- Touch  to return to the home screen.
- Touch  to access the recent tasks screen.

You can touch **Settings** to configure more settings.

- Select a navigation key combination.
- Enable **Hide navigation keys** to allow you to hide the navigation bar when not in use.
- Touch  (if available in the selected navigation key combination) to open the notification panel.

Use Navigation Dock to Control Your Phone

Go to **Settings** > **System & updates** > **System navigation** > **More** and enable **Navigation dock**.

After the Navigation dock appears, you can:

- Drag the dock to your preferred position.
- Touch the dock to go back.
- Touch and hold the dock, then release it to return to the home screen.
- Touch and hold the dock, then swipe left or right to view recent tasks.

Phone Clone

Use Phone Clone to Move Data to Your New Device

Phone Clone lets you quickly and seamlessly move all the basic data (including contacts, calendar, images, and videos) from your old phone to your new phone.

Migrate Data from a Huawei or Other Android Device

1. On your new phone, open the **Phone Clone** app, or go to **Settings** > **System & updates** > **Phone Clone**, touch **This is the new device**, and select **Huawei** or **Other Android**.
2. On your old device, follow the onscreen instructions to download and install **Phone Clone**.

3 On the old device, open the **Phone Clone** app, touch **This is the old device**, and follow the onscreen instructions to connect the old device with your new device by scanning a code or connecting manually.

4 On your old device, select the data you want to clone, then touch **NEXT** > **TRANSFER** to start cloning.

You can search for Android versions that support **Phone Clone** in **AppGallery** and view more information on the app details screen.

Migrate Data from an iPhone or iPad

1 On the new phone, open the **Phone Clone** app, or go to **Settings** > **System & updates** > **Phone Clone**, touch **This is the new device**, and select **iPhone/iPad**.

2 Follow the onscreen instructions to download and install **Phone Clone** on your old device.

3 On the old device, open the **Phone Clone** app, touch **This is the old device**, and follow the onscreen instructions to connect the old device with your new device by scanning a code or connecting manually.

4 On your old device, select the data you want to clone, then follow the onscreen instructions to complete the data cloning.

You can search for iOS versions that support **Phone Clone** in **App Store** and view more information on the app details screen.

Lock and Unlock Your Screen

Lock and Unlock Your Screen

Lock Your Screen

Auto-lock:

Your phone will automatically turn off when you haven't used it for a certain period of time.

You can go to **Settings** > **Display & brightness** > **Sleep**, and set the screen timeout duration.

Manually lock the screen:

To lock the screen, use either of the following methods:

- Press the Power button.
- On the home screen, pinch two fingers together to enter editing mode. Touch **Widgets**, and drag the **Screen Lock** icon to the home screen. Then touch the **Screen Lock** icon to lock the screen.

Set the Screen Timeout Period

Go to **Settings** > **Display & brightness** > **Sleep** and select a screen timeout period.

Turn On the Screen

You can turn on the screen in any of the following ways:

- Press the Power button.
- Go to **Settings** > **Accessibility features** > **Shortcuts & gestures** > **Wake screen**, and enable **Raise to wake**, **Double-tap to wake**, and/or **Show palm to wake**. Then use the corresponding feature to turn on the screen.

If your phone does not have this option, it indicates that this feature is not supported.

Unlock Your Screen

Password unlock: Once the screen is turned on, swipe up from the middle of the screen to display a panel where you can enter your lock screen password.

Face unlock: Once the screen is turned on, bring your face in front of the screen. Your phone will unlock automatically after recognizing your face.

Fingerprint unlock: Touch the fingerprint sensor zone with a finger that you have enrolled. Be sure to first wake the screen, if your device has an in-screen fingerprint sensor.

Use Face Unlock

Turn on the screen and align it with your face. Your phone will unlock once your face is recognized.

Use Fingerprint Unlock

Once the screen is turned on, the fingerprint icon will display on the screen. Touch the icon with an enrolled finger to unlock the screen.

Change the Lock Screen Display

When using an official theme, you can customize the content displayed on the lock screen.

Display Your Signature on the Lock Screen

Go to **Settings** > **Home screen & wallpaper**, touch **Lock screen signature**, then type text to display on the lock screen.

To remove the signature, touch **Lock screen signature** and delete the text.

Access Apps from the Lock Screen

You can access commonly used apps, such as Camera, Recorder, and Calculator, from the lock screen.

- Turn on the screen, and swipe up on the Camera icon in the lower right corner to open **Camera**.
- Turn on the screen, and swipe up from the bottom of the lock screen to open the shortcut panel. Then touch the app you wish to access from the available shortcuts, such as **Flashlight**, **Calculator**, or **Timer**.

Get Familiar with the Home Screen

Create and Use Large Folders

You can group similar apps in a large folder and name the folder for better management.

You can also turn a standard folder into a large one (both the folder and the app icons in it will be enlarged) to access apps more easily.

Create a Large Folder

1 Touch and hold an app icon and drag it over another icon to create a new folder.

2 Touch and hold a folder to switch between display modes. For example, you can touch and hold a new folder and select **Enlarge** from the displayed menu to create a large folder.

3 You can touch the lower right corner of the large folder to open it and then touch the folder name to rename it.
You can also rename the folder by touching and holding it and selecting **Rename**.

Operations in a Large Folder

You can perform the following operations in large folders:

- **Open apps**: In a large folder, touch an icon to access the app directly.
- **Enter and exit folders**: Touch the lower right corner of a large folder to enter it. Touch a blank area in the folder to exit it.
  When there are more than nine apps within a large folder, a stacked icon will appear in the lower right corner of the folder. You can touch the stacked icon to view more apps within the folder.
- **Add or remove apps**: Open a large folder, touch +, and add or remove apps as required. If you deselect all apps within the folder, the folder will be deleted.
- **Switch between display modes**: Touch and hold a folder to switch between a standard and large display. For example, you can touch and hold a standard folder and select **Enlarge** from the displayed menu to create a large folder.

Notification and Status Icons

Notification and Status Icons

Network status icons may vary depending on your region or network service provider. Supported functions vary depending on the device model. Some of the following icons may not be applicable to your phone.

5G	5G network connected	4G	4G network connected
3G	3G network connected	2G	2G network connected
	Full signal strength	R	Roaming

	Data saver enabled.		No SIM card inserted
	Hotspot enabled		Hotspot connected
	Hotspot disconnected		Switching network via Wi-Fi+
	Wi-Fi connected		Wi-Fi network is faulty, unable to connect to the Internet
	Wi-Fi 6 connected		Wi-Fi 6 network is faulty, unable to connect to the Internet
	Wi-Fi 6+ connected		Wi-Fi 6+ network is faulty, unable to connect to the Internet
	Airplane mode is ON		Alarm set
	Battery empty		Low battery power
	Charging		Quick charging
	Super charging		Wireless super charging
	Wireless fast charging		Regular wireless charging
	Power Saving mode on		Digital Balance enabled
	Bluetooth enabled		Bluetooth device battery
	Bluetooth device connected		VPN connected
	Driving mode		Projection device connected
	Location service enabled		Eye Comfort enabled
	Headset connected		Headset with a microphone connected
	In call		VoLTE enabled
	Missed call		There are unread messages.
	Silent mode		Vibration
	NFC enabled		Do Not Disturb mode enabled

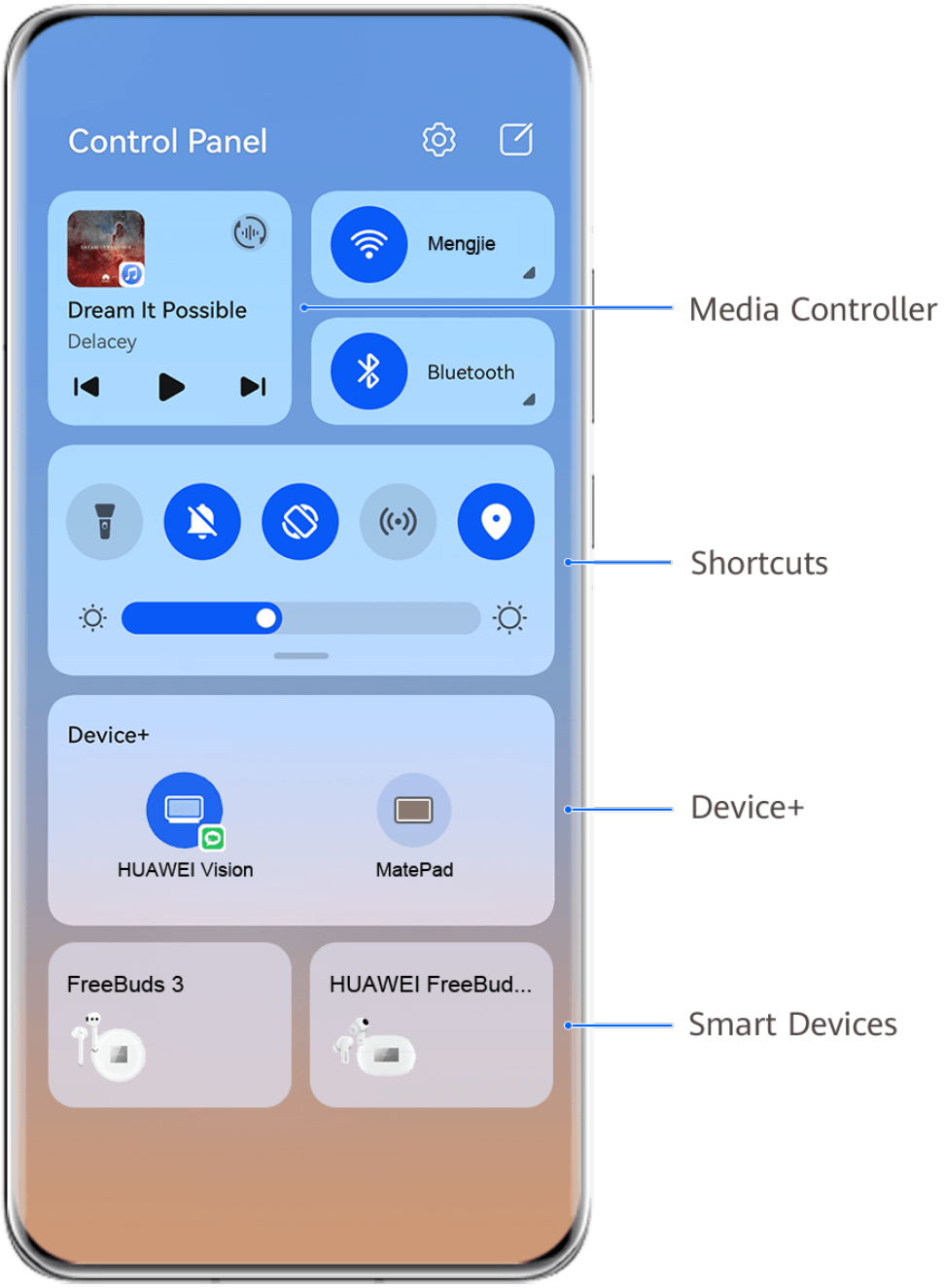
	Syncing...		Syncing failed
	Performance mode enabled		New email
	Event reminder		More notifications

Control Panel

Introduction to Control Panel

You can easily manage and control media playback, shortcuts, and **Device+** in the **Control Panel**.

Swipe down from the upper right edge of the screen to display **Control Panel** where you can access the following features with ease:



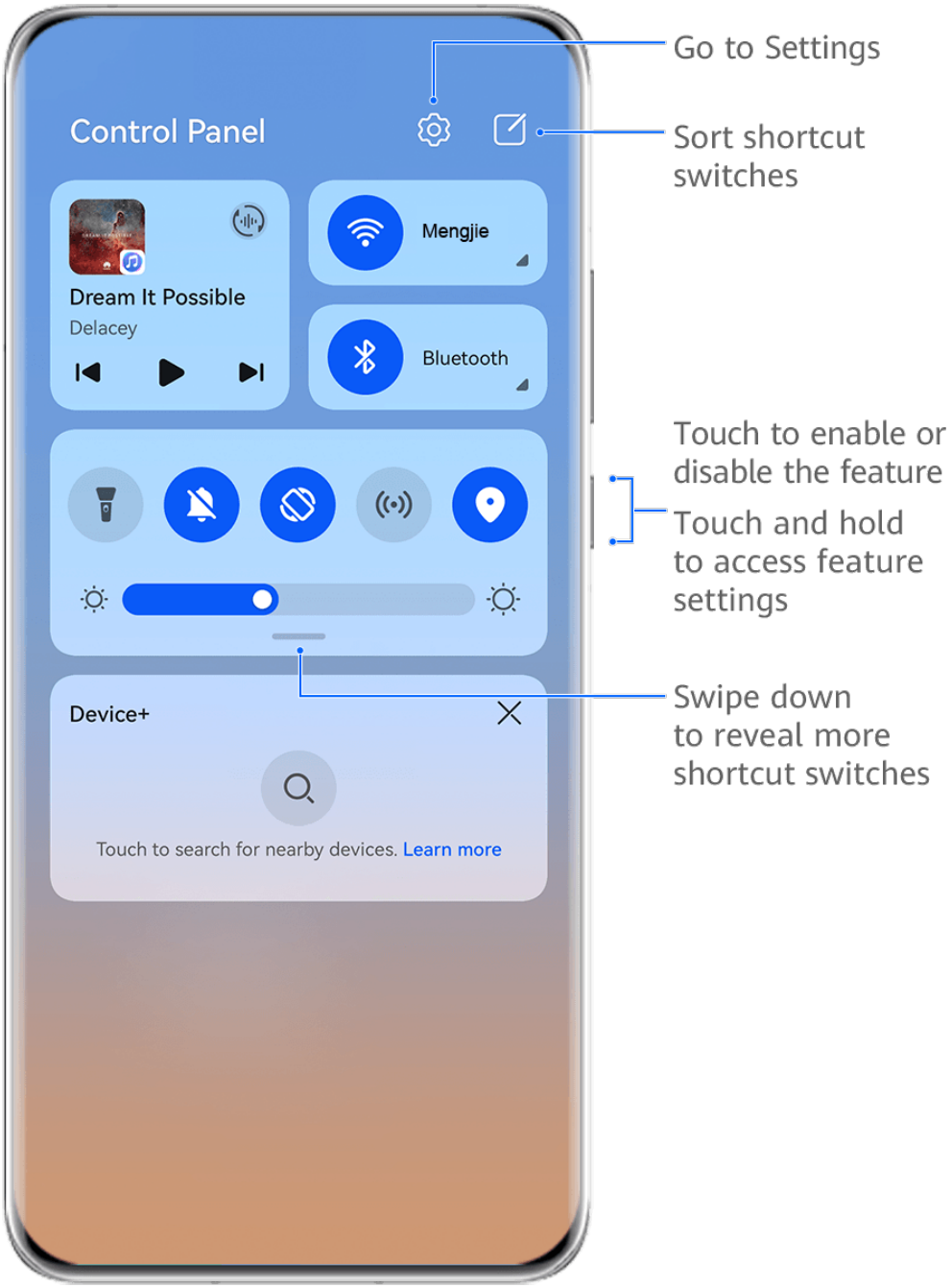
The figures are for reference only.

- **Media controls:** To control media playback and switch between recently used media apps and media devices (such as Visions and Bluetooth headsets).
- **Shortcut controls**: To enable, disable, or set frequently used features.
- **Device+**: Automatically discovers nearby devices logged in to the same **HUAWEI ID** and allows you to link them so they work together as one.
- **Device controls**: To manage and control devices and scenes that have been added in **AI Life**.

Use Shortcut Switches

Turn on a Shortcut Switch

Swipe down from the upper right edge of the screen to display **Control Panel** and touch to expand the shortcut switches panel.



The figures are for reference only.

- Touch a shortcut switch to enable or disable the corresponding feature.
- Touch and hold a shortcut switch to access the settings screen of the corresponding feature (supported by some features).
- Touch to access the system settings screen.

Customize Shortcuts

Swipe down from the upper right edge of the screen to display **Control Panel**, go to > **Edit switches**, then touch and hold a shortcut switch to drag it to your preferred position, and touch **Done**.

Audio Control Panel

Manage Audio Playback in Audio Control Panel

When multiple audio apps (such as **Music**) are opened, you can manage music playback and switch between these apps in Audio Control Panel with ease.

1. After opening multiple audio apps, swipe down from the upper right edge of the phone to display **Control Panel**, then touch the audio playback card at the top of **Control Panel**.
2. The currently and recently used audio apps will be displayed in Audio Control Panel where you can manage playback (such as playing, pausing, and switching to the previous or next song) in the app in use, or touch another audio app to quickly switch playback.

- Some apps need to be updated to the latest version before using this feature.
- Not all apps support Audio Control Panel.

Quickly Switch Audio Playback Device

When your phone is connected to an audio device (such as a headset, Bluetooth speaker, or Vision product), you can quickly switch the playback device in the audio control section in **Control Panel** (such as for transferring the current music playback from your phone to a Bluetooth speaker).

1. Connect your phone to an audio device via Bluetooth or other methods.
   After a Vision product is connected to your phone via Bluetooth, you can also connect it to the same Wi-Fi network and log in to the same **HUAWEI ID** as your phone to perform more operations.
2. Swipe down from the upper right edge of your phone to display **Control Panel**, touch or the device icon (such as) in the top right corner of the audio control section at the top, then select the audio device from the connected device list to transfer the current audio playback on your phone to the device.

Work Seamlessly Across Devices with Device+

Device+ allows for collaboration between different devices, making your phone the hub of your nearby tablets, computers, Visions, and other supported devices for them to be controlled conveniently. You can also seamlessly transfer ongoing tasks on your phone, from MeeTime calls to audio and video content being streamed, to your Vision with just a tap, and you can easily view the phone screen projected to your computer, or edit files on your phone using your computer.

Please make sure your device has been updated to the latest system version.

Set Device+

Currently, **Device+** supports linking phones with the following types of devices. To use this feature, make sure that devices to be connected support **Device+**. Before you get started, enable Bluetooth and Wi-Fi and log in to your HUAWEI ID on your phone. For other devices, perform the following settings:

- **Tablet**: Enable Bluetooth and Wi-Fi, and ensure that it is logged in to the same HUAWEI ID as your phone.
- **Computer**: Enable Bluetooth and Wi-Fi, and ensure that it is logged in to the same HUAWEI ID as your phone.
- **Vision**: Enable Bluetooth and Wi-Fi, and ensure that it is logged in to the same HUAWEI ID as your phone.
- **Bluetooth device**: Some Bluetooth devices (such as Bluetooth headsets) can be linked with your phone via **Device+** after establishing a Bluetooth connection.

Show Device+: If **Device+** is hidden or cannot be found, go to **Control Panel** and then to > **Show Device+**.

Transfer MeeTime Calls and Audio or Video Being Streamed to Other Devices

When you are making MeeTime calls on your phone, watching videos (such as in HUAWEI Video, Youku, or other video streaming apps), or listening to music, you can transfer any of these ongoing tasks to another device via **Device+** and pick up from where you left off on the new device. For instance, you can transfer a MeeTime call to your Vision and a video being streamed to your tablet.

MeeTime: This feature is only available in some countries and regions.

You can select different devices to transfer the following tasks:

- **Videos**: Can be transferred to tablets and Visions.
- **MeeTime calls**: Can be transferred to Visions.
- **Music**: Can be transferred to Bluetooth earphones and Visions (either when the screen is on or off).

1 Swipe down from the upper right edge of your phone to display **Control Panel**. Available devices will be displayed in the **Device+** section. You can also touch to search for nearby devices manually.

2 Touch a device that you want to transfer the ongoing tasks to.



The figures are for reference only.

Use Multi-Screen Collaboration on a Computer or Tablet

You can view or edit files on your phone using your computer or tablet, drag files across devices, and even use phone apps on your computer or tablet.

1 Swipe down from the upper right edge of your phone to display **Control Panel**. Available devices will be displayed in the **Device+** section. You can also touch to search for nearby devices manually.

2 Select a device that you want to connect to, and your phone screen will then be displayed on that device.

To stop Multi-Screen Collaboration, touch the corresponding device again in the **Device+** section.

Control AI Life Scenes and Devices

You can access existing **AI Life** scenes and devices from **Control Panel** for easier control.

1 Swipe down from the upper right edge of your phone to display **Control Panel**. You can then turn a smart device on or off, or access the device details screen to manage the device.

2 You can go to > **Edit devices**, then add or delete a scene or device card displayed in **Control Panel**.

Quickly Access Frequently Used App Features

Access Frequently Used App Features from the Home Screen

You can access frequently used features of certain apps from app icons on the home screen, and even add shortcuts for these features to the home screen.

Quickly Access Frequently Used App Features

Touch and hold an app icon until a pop-up menu is displayed, then touch a frequently used feature to access it.

For example, touch and hold the **Camera** icon, then touch a shooting mode, such as Selfie or Video, from the pop-up menu to access it.

If no pop-up menu is displayed after you touch and hold an app icon, it indicates that the app does not support this feature.

Add Frequently Used App Features to the Home Screen

Touch and hold an app icon on your home screen to bring up the pop-up menu. Touch and hold the desired feature and drag it to your home screen to create a shortcut.

Home Screen Widgets

Add, Move, or Delete Home Screen Widgets

You can add, move, or delete home screen widgets, such as Screen lock, Weather, Notepad, Contacts, **Petal Search**, and Calendar, according to your personal requirements.

Add, Move, or Delete Home Screen Widgets

You can add, move, or delete home screen widgets, such as Screen lock, Weather, Notepad, Clock, Contacts, and Calendar, according to your personal requirements.

Add Weather, Clock, and Other Widgets to the Home Screen

1 Pinch two fingers on the home screen to access Home screen settings mode.

2 Touch **Widgets**, then swipe left to view all widgets.

3 Some widgets, such as **Weather**, come in various formats. Touch the widget to show all formats, and swipe right to collapse.

4 Touch a widget to add it to the home screen. If there is no room on the current screen, touch and hold it, then drag it to a different screen.

To configure the **Weather** app, open it, and touch ••• to set the configurations as prompted.

For example, to switch between Celsius and Fahrenheit, go to ••• > **Settings** > **Temperature unit**, and select the unit of temperature you want.

Move or Delete a Widget

On the home screen of your device, you can touch and hold a widget to drag it to anywhere on the screen, or touch **Remove** to delete it.

Set Your Wallpaper

Set Your Wallpaper

Use a Preset Wallpaper

1. Go to **Settings** > **Home screen & wallpaper** > **Wallpaper**.
2. Touch an image you want to set as the wallpaper.
3. Apply effects on the image as prompted, such as **Blur**.
4. Touch **APPLY** and choose whether to set it as **Lock screen**, **Home screen**, or **Both**.

Set an Image from Gallery as Your Wallpaper

1. Open **Gallery**, and open the image you want to set as your wallpaper.
2. Go to ••• > **Set as** > **Wallpapers**, then follow the onscreen instructions.

Screenshots & Screen Recording

Take a Screenshot

Use Your Knuckle to Take a Screenshot

1. Before using knuckle gestures, use either of the following methods to make sure that all necessary features are enabled (depending on your device model):
   - Go to **Settings** > **Accessibility features** > **Shortcuts & gestures** > **Take screenshot** and enable **Knuckle screenshots**.
   - Go to **Settings** > **Accessibility features** > **Motion control** > **Take screenshot** and enable **Smart screenshot**.
2. Knock twice in quick succession with one knuckle to take a screenshot.

Take a Screenshot with a Key Shortcut

Press and hold down on the Power and Volume down buttons at the same time to take a screenshot.

Take a Screenshot with a Shortcut Switch

Swipe down from the upper right edge of the screen to display **Control Panel**, touch to expand the shortcut switches panel, and touch **Screenshot** to take a screenshot.

Share or Edit a Screenshot

After you take a screenshot, a thumbnail will appear in the lower left corner of the screen. Feel free to:

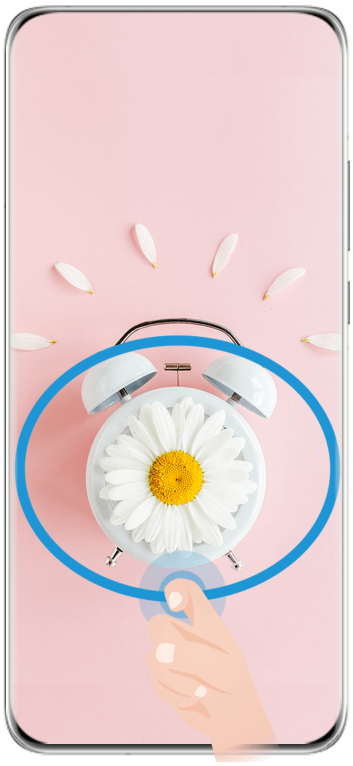
- Swipe up on the thumbnail to select a method for sharing the screenshot with others.
- Swipe down on the thumbnail to take a scrolling screenshot.
- Tap on the thumbnail to edit, delete, or do more with the screenshot.

Screenshots are saved to **Gallery** by default.

Take a Partial Screenshot

Use **Partial screenshot** to take a screenshot of a part of the screen. You can choose your preferred screenshot shape (such as a rectangle, oval, or heart).

Take Partial Screenshots with Knuckle Gestures



The figures are for reference only.

1 Knock on the screen with a single knuckle and hold to draw an outline around the part of the screen that you wish to capture. Make sure that your knuckle does not leave the screen.

2 The screen will display your knuckle movements. You can then:

- Drag the frame to the desired position or resize it.
- Touch any of the shape options at the bottom of the screen to change the shape of the captured area. You can also keep the original shape that you drew.

3 Touch  to save the screenshot.

Use a Shortcut to Take a Partial Screenshot

1 Swipe down from the upper right edge of the screen to display **Control Panel**, touch to expand the shortcut switches panel, touch  next to **Screenshot**, and touch **Partial screenshot** in the displayed dialog box.

2 Follow the onscreen instructions to draw an outline with your finger around the part of the screen that you want to capture.

3 The screen will display the movement trajectory of your finger and take a screenshot of the selected area. You can then:

- Drag the frame to the desired position or resize it.
- Touch any of the shape options at the bottom of the screen to change the shape of the captured area. You can also keep the shape that you drew.

4 Touch  to save the screenshot.

Take a Scrolling Screenshot

Use **Scrollshot** to capture a memorable chat, article, or essential work document that can't display in full on the screen, and share with others.

Use a Knuckle to Take a Scrolling Screenshot



The figures are for reference only.

1 Tap a single knuckle against the screen and hold to draw an "S". Your device will automatically scroll to the bottom of the page to capture all of the content in a single screenshot.

2 You can touch the screen at any time to stop the scrolling.

Use a Shortcut to Take a Scrolling Screenshot

1 Swipe down from the upper right edge of the screen to display **Control Panel**, touch to expand the shortcut switches panel, touch next to **Screenshot**, and touch **Scrollshot** in the displayed dialog box.

2 You can touch the screen at any time to stop the scrolling.

Precautions for Using Knuckle Screenshots

- Please double knock the screen consecutively at the same place and at an appropriate speed.
- Keep your knuckle vertical to the screen.
- If you want to take more than one screenshot, wait 2 seconds before knocking on the screen again.
- If there is a screen protector on the screen, knock the screen harder or remove the screen protector and try again.

Record the Screen

Record your screen activities in sharable videos to compose a tutorial, show off your awesome gaming skills, and a lot more.

Use a Key Combination to Start Screen Recording

Press and hold the Power and Volume up buttons simultaneously to start screen recording. To stop recording, press and hold both buttons again.

Use a Shortcut to Start Screen Recording

1 Swipe down from the upper right edge of the screen to display **Control Panel**, touch to expand the shortcut switches panel, and touch **Screen Recorder** to start screen recording.

2 To stop the recording, touch the timer at the top of the screen.

3 The recording will be saved in **Gallery**.

Start a Screen Recording with just Two Knuckles

1 Before using knuckle gestures, use either of the following methods to make sure that all necessary features are enabled (depending on your device model):

- Go to **Settings** > **Accessibility features** > **Shortcuts & gestures** > **Record screen** and enable **Record screen**.
- Go to **Settings** > **Accessibility features** > **Motion control** > **Take screenshot** and enable **Smart screenshot**.

2 Knock the screen twice in quick succession with two knuckles to start a screen recording. To stop recording, knock twice as before.

Record Your Voice During Screen Recording

You can enable the microphone to record your voice while recording the screen.

After starting a screen recording, touch the microphone icon and ensure that it is displayed as . You can now record your voice.

If the microphone is disabled (if it is displayed as ), you will only be able to record system sounds, such as music. If you don't want any system sounds in your screen recording, mute your phone and turn off any music or other media sounds before starting the screen recording.

View and Clear Notifications

View and Clear Notifications

View Notifications

After receiving a notification, unlock the screen and swipe down from the upper left edge of the screen to open the notification panel where all new messages are displayed.

Clear Notifications

- You can remove a notification by swiping right on it.
- You can touch  at the bottom of the notification panel to clear all notifications.

Some system notifications and notifications from apps running in the foreground cannot be cleared.

Do Not Disturb Settings for Notifications

If you wish not to be disturbed by a notification, swipe left on it, touch , and choose from options including **Disable notifications**, **Use gentle notifications**, and **DELAY**.

Some system notifications and notifications from apps running in the foreground cannot be disabled or delayed.

Adjust Sound Settings

Adjust Sound Settings

Press a Volume Button to Adjust the Volume

Press the Volume up or down button to adjust the volume.

Press the Power Button to Mute Your Device When It Rings

When your phone rings for an incoming call or alarm, you can press the Power button to mute it.

Flip to Mute

When there is an incoming call, you can flip your phone to mute it.

To use this feature, go to **Settings** > **Accessibility features** > **Shortcuts & gestures** > **Mute ringtone/Reduce volume** and make sure that **Flip to mute ringtone** is enabled.

Change the Sounds and Vibration Settings

You can set the messaging tone, notification tone, and call ringtone depending on your preferences, as well as set the vibration pattern.

1. Go to **Settings** > **Sounds & vibration** and touch **Phone ringtone**, **Messaging tone**, or **Notification tone**.
2. You can then:
   - Set a tone.
     Select a preset tone, or touch **Music on device** to select a locally saved song.
     If two SIM cards are being used, you can set the tones for them individually.
   - Set a vibration pattern.
     Touch **Vibration** and select a vibration pattern as you prefer.

When **Synchronized (default)** is selected, your phone will vibrate according to the rhythm of the tone.
For other options, the vibration pattern of your phone is fixed.

Use a Shortcut to Switch Between Sound, Vibration, and Silent Modes

1 Swipe down from the upper right edge of the screen to display **Control Panel** and touch to expand the shortcut switches panel.

2 Touch **Sound**, **Silent**, or **Vibration** to switch between different modes.

In Sound mode, your phone plays all sounds as normal.

In Silent mode, your phone only mutes the ringtones for incoming calls, messages, notifications, and some third-party app notifications. Other sounds, including alarms, voice calls, music, videos, and games, will not be muted.

In Vibration mode, your phone is muted and vibrates to provide discreet alerts for calls or messages.

You can also go to **Settings** > **Sounds & vibration** to switch between **Sound**, **Vibration**, and **Silent** modes.

System Haptics

The system uses haptics to provide feedback when certain operations are completed, such as when you touch and hold text, a contact, or some other elements on the screen.

Go to **Settings** > **Sounds & vibration** > **More settings** and enable or disable **System haptics** according to your preferences.

Set the Default Volume

Go to **Settings** > **Sounds & vibration** and you can then set the default volume for the following items:

- **Ringer, Messages, Notifications**
- **Alarms**
- **Music, Videos, Games**
- **Calls**

Set More settings

On the **Sounds & vibration** screen, touch **More settings**, and set more notification methods according to your preferences. For example, you can set **Screen lock** and **Screen touch**.

Raise to Reduce the Ringtone Volume

When there is an incoming call, you can raise your phone up to reduce the ringtone volume.

To use this feature, go to **Settings** > **Accessibility features** > **Shortcuts & gestures** > **Mute ringtone/Reduce volume** and make sure that **Raise to reduce volume** is enabled.

Enter Text

Use Celia Keyboard

Celia Keyboard is a secure and intuitive keyboard developed by Huawei. It supports efficient voice inputs, smooth handwriting, an emulated mechanical keyboard, as well as 170+ input languages.

If **Celia Keyboard** is not yet installed on your device, search for and install it in **AppGallery**.

Go to **Settings** > **System & updates** > **Language & input** and set **Celia Keyboard** as the default keyboard.

Text Input

Keyboard input

Celia Keyboard comes with a 26-key layout by default. As you type on the keyboard, a box will be displayed for you to select predicted words.

Press and hold a letter key and then swipe up to enter a number, or swipe left or right to enter the letter.

Voice input

You can have your speech converted into text to improve your input efficiency.

- Touch and hold  to go to the voice input screen.
- On the voice input screen, touch  to select your preferred language.

Rich Media Input

- On the keyboard, touch and hold , then touch  and select different emojis.
- On the keyboard, touch and hold , then touch (^•^) and select different emoticons.

Switch to Another Input Language

Touch and hold  in the lower left corner and select **English(United States)** or **More languages...** in the pop-up menu. Alternatively, touch  to quickly switch input language.

Celia Keyboard Settings

Set the skin

On the input keyboard, go to  > **Theme** and select a skin.

Set the font

On the input keyboard, go to > **Settings** > **Font** and select a font.

Set the keyboard sound and vibration effects

On the input keyboard, go to > **Sound & vibration** and adjust the **Keypress volume** and **Vibration intensity**. You can also touch **Sound on keypress** and select your desired audio effects.

Set the mechanical keyboard

On the input keyboard, go to > **Mechanical keyboard** and toggle on the **Mechanical keyboard** switch.

To switch back to the normal keyboard, toggle off the **Mechanical keyboard** switch.

Some devices do not support the mechanical keyboard.

multi-window

Edit the Multi-Window Dock

Swipe inward from the left or right edge of your phone and hold to bring up the Multi-Window dock.

- **Add apps**: Go to > on the Multi-Window dock, select your desired apps in the **More apps** section, then touch .
- **Move apps**: Go to > , touch and hold an app icon on the Multi-Window dock, drag it up and down to your desired position on the dock, then touch .
- **Remove apps**: Go to > , touch at the top right corner of an app icon, then touch .

The Multi-Window dock is enabled by default. To disable it, go to **Settings** > **Accessibility features** > **Multi-Window**, and turn off the **Multi-Window dock** switch.

Split the Screen, to Multi-Task Away

Multi-Window allows you to open apps in split screen mode, for seamless multi-tasking at all times.

Split-screen mode is only supported in certain apps.

To check whether an app supports Multi-Window:

1 Swipe inward from the left or right edge of your phone screen and hold, to bring up the Multi-Window dock.

2 Touch to find the list of apps that support Multi-Window in the **More apps** section.

Splitting the screen:

1 After opening an app, swipe inward from the left or right edge of your phone screen and hold, to bring up the Multi-Window dock.

2 Hold down on an app in the dock, drag it to the screen, and then release.

If an app does not support Multi-Window, a prompt will appear onscreen.

Switching split-screen panes:

Touch and hold down on at the top of a split-screen pane until you see the pane shrink, then drag it to the other side of the screen to switch panes.

Exiting split-screen mode:

Touch and hold down on or in the middle of the split screen line, and drag it until you see either pane disappear.

Drag and Drop Between Apps with Multi-Window

Use the Multi-Window feature to easily drag and drop images, text, and documents between apps.

- Drag and drop an image: When taking notes with **Notepad**, open **Files**, select the photo you want to add, and drag it into the **Notepad** editor.
- Drag and drop text: When sending an SMS message, open **Notepad**, touch and hold the text you want to send, and drag it into the message text input box.
- Drag and drop a document: When writing an email, open **Files**, select the document you want to attach, and drag it into the email editor.

Not all apps fully support drag-and-drop with Multi-Window.

Multi-Window View for a Single App

You can create two task windows for the same app (such as Email and Notepad), and drag images, text, or documents between them.

This feature is unavailable in some apps.

Enter the split-screen view within an app.

1 Open the Email app.

2 Swipe inward from the left or right edge of your phone and hold to bring up the Multi-Window dock.

3 Touch and hold the Email icon, and drag it to the screen to enter split-screen view.

Drag images, text, or documents between the split-screen windows.

- **Drag an image**: Select an image from one split-screen window and drag it to the other window.

- **Drag text**: Touch and hold the text and select the desired part from one split-screen window, then touch and hold the text again and drag it to the other window.
- **Drag a document**: Select a document from one split-screen window and drag it to the other window.

Use the Floating Window

Open a floating window while gaming, and you can chat with a friend without missing a second of the action.

Display the floating window:

1 Swipe inward from the left or right edge and hold to bring up the Multi-Window dock.

2 Touch an app icon in the Multi-Window dock to open the app in a floating window.

Relocate the floating window:

Drag the bar at the top of the floating window to move the window to the desired position.

Resize the floating window:

Drag the bottom edge, two sides, or bottom corners of the floating window to resize it.

Display in full screen:

Touch  at the top of the floating window to display it in full screen.

Minimize the floating window:

Touch at the top of the floating window to minimize and shrink it into a floating bubble.

Close the floating window:

Touch  at the top of the floating window to close it.

Find and Switch Between Floating Windows for Apps

You can quickly find and switch between floating windows for apps using the floating window management function.

1 Make sure that you have opened floating windows for multiple apps and minimized them into the floating ball.

2 Touch the floating ball to display all floating window previews:

- **Browse through the floating window previews**: Swipe up or down to find the floating window preview of the app you are looking for.
- **Display the floating window for an app**: Touch the floating window preview of the app to display it in a floating window.
- **Close the floating window for an app**: Touch  on the floating window preview to close it.

Open an Attachment in a Floating Window

You can open a link or attachment within specific apps (such as Email and Notepad) in a floating window.

This feature is unavailable in some apps.

1 Open the Email app.

2 Touch a link or attachment in the Email app to open it in the floating window.

- **Open a link**: Touch a link in the Email app to display it in a floating window.
- **Open an attachment**: Touch an attachment (such as a document, image, or video) in the Email app to display it in a floating window.

Show Date and Time When the Screen Is Off

Always On Display

With **Always On Display** enabled, the lock screen will show the date, time, and more when the screen is off.

Enable Always On Display

1 Go to **Settings** > **Home screen & wallpaper** > **Always On Display**, and enable **Always On Display**.

2 Set **Display mode** as prompted.

Set the Style for Always On Display

You can customize the display style for Always On Display (AOD) on your phone according to your preferences.

Select a GIF Image or Moving Picture

You can select a local image (such as a GIF image or moving picture) for Always On Display to make your display stand out.

1 From under **Images** on the **Always On Display** screen, go to > **Select image** > .

If you have selected a local image, touch this image and go to **Change image** > .
After selecting a GIF image or moving picture, you can touch **Edit** > **Edit** to edit it.

2 Set other options available on the screen as needed, and touch **Apply**.

Add Graffiti

You can personalize Always On Display by specifying text to be displayed, selecting your preferred color scheme, and adding stickers.

1 From under **Graffiti** on the **Always On Display** screen, touch the style you would like to use.

2 Enter text in the input box and set the style options, such as **Color**.
You can also add **Stickers** and drag the sticker border to adjust its position and size, and touch  or  to change its direction or delete it.

3 Touch **Apply**.

Create an Artistic Image for Always On Display

You can choose from multiple modern art styles (such as the Mondrian style). You can also specify the color scheme for the artistic image, by taking a photo or choosing from your favorite photos. The colors in the photo will form a color palette for the artistic image.

1 From under **Artistic** on the **Always On Display** screen, touch the style you would like to use.

2 Set the related options for the **Artistic** style, such as **Layout**.
When setting **Color**, your phone can parse the colors in your specified photo and apply the abstracted color palette to the artistic image.
Touch , take a photo or select a photo from Gallery, and then go to  > **Extract colors**.

3 Touch **Apply**.

Clock Styles

You can select an **Analog** or **Digital** clock style for Always On Display.

1 From under **Analog** or **Digital** on the **Always On Display** screen, swipe left or right to browse the clock styles and select your preferred clock style.

2 Set the related options for the selected clock style, such as **Show date**.

3 Touch **Apply**.

Get More Styles for Always On Display

On the **Always On Display** screen, touch **My AODs** or **More**.

Power On and Off or Restart Your Device

Power On and Off or Restart Your Device

Power Your Device On and Off

To power off your device, press and hold the Power button for a few seconds, touch **Power off** and **Touch to power off**.

To power on your device, press and hold the Power button for a few seconds until your device vibrates and displays the logo.

Restart Your Device

Restart your device on a regular basis to clear the cache and keep the device in an optimal state. A restart can sometimes resolve the issue when your device encounters a problem.

Just press and hold the Power button for a few seconds, then touch **Restart** and **Touch to restart**.

Force Restart Your Phone

If your phone isn't working, or won't turn off as normal, force restart it by pressing and holding down on the Power and Volume down buttons for at least 10 seconds.

Charging

Charge Your Phone

Your phone will alert you when it is running out of power. Please make sure to charge your phone in time to prevent it from turning off automatically when the power runs out.

Precautions for Charging

- Charge your device using the standard charger and USB cable that came with your device. Using other chargers may result in a fire, explosion, or other hazard.
- Do not use the charger in damp areas, such as in a bathroom. Do not handle the charger with wet hands. Do not charge your device when there is moisture in the device.
- After you connect your device to a charger or other devices using a USB cable, your device will automatically inspect the USB port. If moisture is detected in the USB port, your device will automatically activate safety measures and stop charging. Disconnect your device from the USB port and wait until the USB port is dry.
- Disconnect the charger from this device and unplug the charger from the power socket once this device is fully charged or is not charging.

Charging with a Charger

To ensure charging safety, use the charger and USB cable that came with your device.

1 Use a USB cable to connect the charger to your phone.

2 Plug the charger into a power socket.

When a beeping sound is heard, your phone will start charging, and the charging mode icon and current battery level will be displayed on the charging animation screen.

Icon	Charge Mode
	SuperCharge
	Fast charging

Icon	Charge Mode
	Standard charging

Use the Wireless Charger

To ensure safe charging, please use a charging pad purchased from an official Huawei channel, and use the adapter and USB cable that came with your phone.

To supercharge your phone wirelessly, use a charging pad that supports SuperCharge.

1. Connect the adapter and charging pad using the USB cable, then plug the adapter into a power socket.
2. Place the charging pad on the table, then place your phone on the center of the charging pad with the screen facing upwards.
3. Your phone will start charging a few seconds later when a beep is heard.
   - If you are using a high-voltage SuperCharge adapter and charging pad, the charging pad will charge the phone at a super fast charging speed. A wireless SuperCharge icon will be displayed.
   - If you are using a high-voltage fast charging adapter, the charging pad will charge the phone at a fast charging speed. A wireless fast charging icon will be displayed.
   - If you are using a standard adapter, the charging pad will charge the phone at a standard charging speed. A wireless charging icon will be displayed.

Charging Pad Indicator	Meaning
Blinks once	Connected to the power supply
Steady on	Charging
Blinks quickly	Charging issues detected

Charging Your Phone with a PC

1. Connect your phone to a PC or other device using a USB cable.
2. When the **Use USB to** dialog box is displayed on your phone, touch **Charge only**.
   If another option has been set previously, the dialog box will not pop up. Swipe down from the upper left edge of the screen to display the notification center, touch **Settings**, then select **Charge only**.

Overview of Battery Icons

You can check the battery level from the battery icon on the phone screen.

Battery Icon	Battery Level
	Less than 10% battery remaining.
	Charging, less than 10% battery remaining.
	Charging, 10% to 90% battery remaining.
	Charging, at least 90% battery remaining. If 100% is displayed next to the battery icon, or a charging complete message is displayed on the lock screen, the battery is fully charged.

Wireless Reverse Charging

Wireless reverse charging allows your device to charge other devices that support this feature, including phones, tablets, watches, and bands.

1 Go to **Settings** > **Battery** (or **Optimizer** >) and enable **Wireless reverse charging**.

2 Power on the device to be charged and place it on the center of the back of your phone.
Do not place any metal objects between your phone and the device to be charged.

3 If the device does not start charging within a few seconds, adjust its position and try again.

Reverse Charge with an OTG Cable

On-The-Go (OTG) is a USB transmission technology that allows a phone to directly access files on a USB flash drive or digital camera, or connect to an external device such as a keyboard or mouse, with the help of an OTG cable.

You can use your phone to charge other devices using an OTG cable.

1 Connect your phone with the device to be charged using an OTG cable.

2 Swipe down from the upper left edge of the screen to display the notification center, touch **Touch for more options**, and select **Reverse charge**.

3 Follow the onscreen instructions on the device to be charged to start charging.

Smart Features

AI Voice

AI Voice

AI Voice allows you to communicate verbally with your phone.

To operate hands-free on your phone, wake up **AI Voice** and give a voice command.

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Countries and Regions that Support AI Voice

AI Voice is only supported in certain countries and regions. You can set your location to one of these countries and regions on your phone to use **AI Voice**.

AI Voice can be used in countries/regions such as the UK, France, Spain, Chile, Mexico, Colombia, Italy, Germany, Saudi Arabia, UAE, Kuwait, Jordan, Iraq, Egypt, Turkey, Thailand, the Philippines, Czech Republic, Romania, Serbia, Ukraine, Pakistan, Singapore, Poland, and Malaysia. You need to select a language supported by **AI Voice** during use.

1. Go to **Settings** > **System & updates** > **Language & input** > **Language and region** and touch **Current region** to select a country/region from the above list.
2. Go to **Settings** > **HUAWEI Assistant** > **AI Voice**, touch **Conversation language**, select a language, and follow the onscreen instructions to set it up.

Wake up AI Voice

You can wake up **AI Voice** in multiple ways:

Press and hold the Power button for 1 second to wake up AI Voice

1. Go to **Settings** > **HUAWEI Assistant** > **AI Voice** > **Wake with Power button**, and enable **Wake with Power button**.
2. Press and hold the Power button for 1 second to wake up **AI Voice**.

Say the wakeup phrase to wake up AI Voice

1. Go to **Settings** > **HUAWEI Assistant** > **AI Voice** > **Voice wakeup**, enable **Voice wakeup**, and follow the onscreen instructions to record your wakeup phrase.
2. When you need to wake up **AI Voice**, say the wakeup phrase.

- The settings items vary by device. If your phone does not provide a specific item, it indicates that the corresponding feature is not supported.
- You cannot wake up **AI Voice** with the wakeup phrase when your phone is in a call.
- You cannot wake up **AI Voice** with the wakeup phrase either if you are making an audio or screen recording (with microphone enabled). In this case, you can press and hold the Power button to wake up **AI Voice**.
- This feature is only available in some countries and regions.

Communicate with AI Voice

AI Voice can be in one of the following three modes: Idle, Listening, and Thinking. You can talk to **AI Voice** when it is in the Listening mode.

- Idle mode: **AI Voice** doesn't pick up any sound in this mode.
- Listening mode: You can talk to **AI Voice** as it can listen to you in this mode.
- Thinking mode: **AI Voice** can start to execute your voice commands.

This feature is only available in some countries and regions.

AI Voice Skills

AI Voice allows you to navigate on your phone with simple voice commands. You can use AI Voice to:

- Make phone calls
- Send SMS messages
- Launch apps
- Add calendar events and reminders
- Check the weather and more
- Enable AI Lens, and identify content onscreen

To use the voice assistant, wake up **AI Voice** and say your command, such as "Call Zichen", "Set an alarm for 8 AM", and "Open Camera".

View AI Voice Skills

You can view the skills incorporated into the **AI Voice** feature in either of the following ways:

- Wake up **AI Voice** and ask: "What can you do?". **AI Voice** will display the Skill center, where its skills are listed.

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Make Calls and Send SMS Messages with AI Voice

AI Voice allows you to make calls or send messages hands-free.

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Make Calls with Voice Commands

You can make a call on your phone with **AI Voice**.

Wake up **AI Voice** and give voice command, such as "Call Mom", "Call back", "Check call records", or "Redial".

When you make calls with voice commands, hands-free mode is automatically enabled.

Send SMS Messages with Voice Commands

You can send SMS messages with **AI Voice**.

Wake up **AI Voice** and give voice commands such as "Send a message", "Check messages", or "Send Dad a message saying the party is tomorrow".

Set Alarms with Voice Commands

You can create, disable, and query alarms with **AI Voice**.

Wake up **AI Voice** and give voice commands such as "Wake me up at 8 AM tomorrow", "Set an alarm for 8 PM", "Set a Wednesday alarm for 7 AM", or "Show my alarms".

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Play Music or Videos with Voice Commands

If you want to listen to music or watch videos, wake up **AI Voice** and give the voice commands directly.

Play Music with Voice Commands

You can request your device to play a song for you with **AI Voice**.

Wake up **AI Voice** and give voice commands such as "Play music", "Play previous song", or "Play next song".

This feature is only available in some countries and regions.

Play Videos with Voice Commands

Wake up **AI Voice** and give voice commands such as "Play video", "Play Friends in HUAWEI Video", "Show me a funny video", or "Play a Coldplay video".

This feature is only available in some countries and regions.

Open Apps with Voice Commands

You can quickly open an app with **AI Voice**, such as for opening the camera and taking a photo in a specific mode.

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Access Camera with Voice Commands

Wake up **AI Voice** and give voice commands such as "I want to take a photo" or "Take a photo".

This feature is only available in some countries and regions.

Open an App with Voice Commands

Wake up **AI Voice** and give voice commands such as "Open the Camera", "Open YouTube", "Open PayPal", or "Open HUAWEI Music".

- This feature is only available in some countries and regions.
- Not all apps support voice control.

Query the Weather with Voice Commands

Query the Weather with Voice Commands

To query the weather, wake up **AI Voice** and give voice commands such as "What's the weather like today?", "What's the weather forecast for tomorrow?", "Will it be windy today?", "Is it going to rain tomorrow?", or "What's the temperature today?".

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Speech Translation

AI Voice allows you to translate your voice or text input so you can communicate with foreign friends easily.

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Speech Translation

You can use **AI Voice** to translate your voice or text input into the target language you have set.

1. Wake up **AI Voice** and give the voice command "Translate".
2. Say or type in what you want to be translated.
3. **AI Voice** will display the translated result and broadcast it for you.

Communicate Easily with Face-to-Face Translation

Face-to-face translation allows you to overcome language barriers when you are traveling abroad or in an international conference.

1. Wake up **AI Voice** and give the voice command "Face-to-face translation" to enter the translation screen.
2. Touch  or (depending on your device model), so the text on each of the two sections can be read from each side of the device.
3. Press the button on your side of the section, say what you want to be translated, and release the button for **AI Voice** to display the translated result in real time and broadcast it.

Set Calendar Events and Reminders with Voice Commands

AI Voice allows you to create and check your Calendar events and add reminders for these events.

Wake up **AI Voice** and give voice commands such as "Schedule a meeting for 9 tomorrow morning", "Set a meeting for 2 o'clock tomorrow afternoon", "What's my schedule for tomorrow morning?", or "Do I have any appointments on Monday?".

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Enable AI Lens with AI Voice

You can use **AI Voice** to wake up **AI Lens**.

Wake up **AI Voice** and give a voice command such as "AI Lens".

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Scan and Shop with AI Voice

1. Wake up **AI Voice** and give voice commands such as "Look at how much is the refrigerator", or "Help me look at the same style of this juice machine".
2. Position the object within the viewfinder and wait for it to be identified.
3. You will be provided with purchase links to different shopping platforms once the object has been recognized.

Scan and Translate with AI Voice

1. Wake up **AI Voice** and ask questions or give voice commands such as "Please scan this menu and translate it" or "Scan this street sign and translate it".
2. Select the source and target languages from the language list.
3. Position the text you want to translate within the viewfinder and wait for it to be translated.

Scan to Learn More with AI Voice

1 Wake up **AI Voice** and ask questions or give voice commands such as "Help me see what this flower is" or "Please have a look what is this building".

2 Position the object within the viewfinder and wait for it to be identified.

3 Touch the information card to obtain additional information.

Scan and Count Calories with AI Voice

1 Wake up **AI Voice** and ask questions or give voice commands such as "Have a look how much heat this steak has", or "How much heat I can gain by eating this egg tart".

2 Position the food within the viewfinder and wait for the calorie and nutrient information to be displayed.

Scan Codes with AI Voice

1 Wake up **AI Voice** and give voice commands such as "Scan this QR code" or "Scan the barcode".

2 Position the QR code or barcode within the scan frame and wait for it to be recognized.

Enable AI Touch with AI Voice

When you see content you are interested in on the screen, wake up **AI Touch** with **AI Voice** to identify onscreen objects and obtain more relevant information.

Go to **Settings** > **HUAWEI Assistant** > **AI Touch** and enable **AI Touch**.

- This feature is only available in some countries and regions.
- Please make sure your device has been updated to the latest system version.

Shop with AI Voice

1 Go to **Settings** > **HUAWEI Assistant** > **AI Touch** and enable **AI Touch**.

2 When you see an item you wish to buy on your phone, wake up **AI Voice** and ask questions or give commands such as "How much is the cosmetics in the screen", "I want to buy the electric fan in the screen", or "Help me find the same style skirt on the screen".

3 When several items are displayed on the screen, adjust the size and position of the identification box to fit around the item you wish to identify.

4 After the item has been identified, links to purchase it on different shopping platforms will be displayed.

AI Lens

Enable AI Lens

There are several methods for you to access **AI Lens**.

From Camera

Open **Camera**, select **Photo** mode, and touch to access **AI Lens**.

From the Lock Screen

When the screen is locked, turn it on, swipe up from the bottom to open the shortcuts panel, and touch to unlock the screen and access **AI Lens**.

Scan to Shop

When you see an item you wish to buy in a magazine or when you are strolling on the street, you can use **AI Lens** to quickly search for the item and compare prices across multiple shopping platforms before making a purchase.

Scan to Shop Using Camera

1. Go to **Camera** > **Photo**, touch , and then touch or (depending on your device model).
2. Position the item you want to buy within the viewfinder, and wait for it to be identified.
3. After the item has been identified by **AI Lens**, links to purchase it on different shopping platforms will be displayed.

Scan to Translate

AI Lens allows you to scan and translate text in a foreign language, so you can easily read road signs, menus, or descriptions on cosmetics bottles when you are traveling or shopping abroad.

Scan to Translate Using Camera

1. Go to **Camera** > **Photo**, touch , and then touch or (depending on your device model).
2. Select the source and target languages from the language list.
3. Position the text you want to translate within the viewfinder, and wait for it to be translated.

Scan to Learn More

AI Lens allows you to learn more about artworks or landmarks you see by scanning the objects with your camera.

Scan to Learn More Using Camera

1. Go to **Camera** > **Photo**, touch , and then touch or (depending on your device model).
2. Position the object within the viewfinder and wait for it to be identified.
3. Touch the information card to obtain additional information.

Scan and Count Calories

AI Lens allows you to count the calories and nutrients in an item of food by scanning it with your camera.

Scan and Count Calories with Camera

1 Go to **Camera** > **Photo**, touch , and then touch or (depending on your device model).

2 Position the food within the viewfinder and wait for information about the calories and nutrients per 100 g to be displayed.

The information is for reference only.

Scan Codes for Services and Information

You can scan different types of QR codes and bar codes with **AI Lens**, and then touch the identified result to be redirected to other pages for more services and information.

Scan Codes Using Camera

1 Go to **Camera** > **Photo**, touch , and then touch .

2 Position the QR code or barcode within the scan frame and wait for it to be recognized.

AI Touch

Enable AI Touch

When you see any content that you are interested in on your phone, touch and hold the screen with two fingers to bring up **AI Touch** to learn more.

Go to **Settings** > **HUAWEI Assistant** > **AI Touch** and enable **AI Touch**.

Shop with AI Touch

When you see an item you wish to buy on your phone, you can use **AI Touch** to quickly search for the item and compare prices across multiple shopping platforms before making the purchase.

Touch to Get it Right Away!

1 Go to **Settings** > **HUAWEI Assistant** > **AI Touch** and enable **AI Touch**.

2 When you see an item that you wish to buy, touch and hold down on the screen with two fingers.

3 Adjust the size and position of the identification box so that it covers the item you wish to identify.

4 Once the item has been identified, you will see a set of purchase links from different shopping platforms.

Easy Projection

Project Your Phone Screen Wirelessly

Project your phone wirelessly to stream movies and work on a bigger screen (such as a TV).

Different display devices support different projection protocols. Therefore, the projection method may vary. Choose a suitable method based on the protocol supported by your device.

For details about the supported projection protocols, refer to the product manual or contact the product manufacturer.

1 Ensure that the DVKit/Cast+/Miracast switch or the projection switch is enabled on the display device. For details about how to turn on the switch, refer to the product manual or contact the product manufacturer.

2 Swipe down from the upper right edge of your phone to display **Control Panel** and touch .

3 In **Control Panel**, touch to expand the shortcut switches panel and touch **Wireless Projection**. Your phone will then start searching for available external displays.
You can also go to **Settings** > **More connections** > **Easy Projection** to enable **Wireless projection**.

4 Touch the device that you want to project your phone to from the detected devices.

By default, after the connection is successful, banner notifications for incoming calls, messages, and alarms, and Multi-Window are only displayed on your phone instead of the external display. To show notifications on the external display, touch  and turn off the switch for **Hide notifications**.

The Hide notifications feature is only supported on certain device models.

To exit wireless projection, go to  > **Disconnect**.

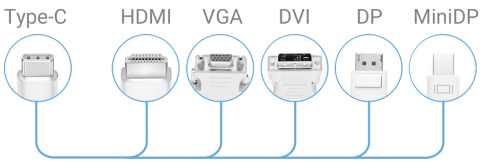
Phone Projection Using a Wired Connection

You can project your phone screen on a large display (for example, a TV) using a wired connection.

It is recommended that you purchase the accessories from authorized channels.

Projection Using a Type-C Cable

1 Prepare a Type-C cable.
Use a Type-C to HDMI, Type-C to DP, or Type-C to MiniDP cable depending on your large display.



2 Connect the Type-C end to your phone and the other end to the large display.



3 On the external display, set the corresponding HDMI, DP, or MiniDP input as the signal source.

Projection Using a Docking Station

You can use a docking station to connect your phone with a large display, and connect them with a wired keyboard and mouse.

1 Prepare a docking station.
Multiple types of ports are available on a docking station. If the large display supports HDMI and you need to use a wired mouse and keyboard, use a docking station with at least one HDMI port and two USB ports.



2 Connect your phone and the large display to the docking station, then connect the wired mouse and keyboard to the docking station.



3 On the external display, set the corresponding HDMI, DP, or MiniDP input as the signal source.

Use Desktop Mode

After your phone screen is projected, go to > **Desktop**.

In **Desktop**, your phone and the large display work independently and can show different content. The content projected on the large display is in a layout similar to that on a computer desktop.

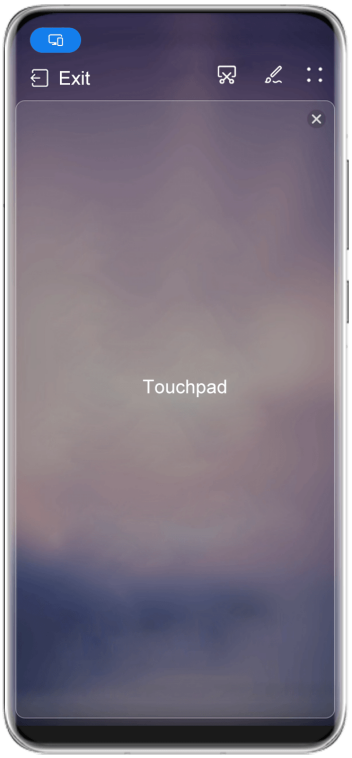
Therefore, you can edit a document on the large display while chatting on your phone. You don't need to worry about missing out on notifications, calls, or messages, as a red dot will appear on the notification panel on the external display to let you know.

Use Your Phone as a Touchpad

After projecting your phone on the large display in **Desktop**, if no keyboard is available, your phone can work as a touchpad to complete input operations of a mouse and keyboard.

Go to > **Touchpad**. You can:

- Use gestures as instructed to simulate mouse commands.



The figures are for reference only.

- When no external keyboard is connected, touch the text input box on the external display to display the onscreen keyboard to input text.
  If an external keyboard is connected, the onscreen keyboard will not be available. In this case, you need to use the external keyboard to input text.

Use Screen Projection to Make Work Easier

In **Desktop**, you can use the following features:

- **Multi-window display**: Open multiple windows at a time to multitask.
- **File management**: Save files to the desktop, create files or folders, and rename or delete files.
- **Quick search**: Search for documents, multimedia files, and apps using the start menu search box.

- **Quick app projection**: Touch and hold an app icon on your phone to view the projection options. You can then project and open the app on the large display.

Exit Desktop Mode

To exit Desktop mode, go to > **Mirror screen**.

Multi-screen Collaboration

Multi-Screen Collaboration Between Your Phone and Laptop

Connect your phone to a Huawei/Honor laptop and use your keyboard and mouse to unlock and control your phone, or share files across systems, making your work more productive and efficient.

The operations may vary between PC Manager versions.

Connect Your Phone to Your Computer Through OneHop

1. Ensure that your computer has a **Huawei Share** sensor or an area labeled with a or icon.
2. On your computer, enable Wi-Fi, Bluetooth, and PC Manager, and agree to the user agreement.
3. Swipe down from the upper right of your phone screen to display the **Control Panel**, touch to expand the shortcut switches panel, then turn on **NFC**, **Wi-Fi**, and **Bluetooth**.
4. Place the NFC area (near the rear camera) on the back of your phone against the Huawei Share sensor or the area with a or icon until your phone vibrates or plays a tone.
5. Follow the onscreen instructions to connect your phone to your computer.

Connect Your Phone to Your Laptop Using Bluetooth

1. Swipe down from the upper right edge of your phone screen to display the **Control Panel** and enable **Bluetooth**.
2. Open PC Manager (version 10.0 or later) on the laptop and go to **My devices** > **My Phone** > **Connect**. Place your phone above the keyboard and your laptop will start searching for your phone.

   To check the version of PC Manager, go to > **About**. To update PC Manager, go to > **Check for updates**.
3. Follow the onscreen instructions to connect your phone to your laptop.

Connect Your Phone to the PC by Scanning the QR Code

1 Open PC Manager (version 10.0 or later) on your PC, go to **My devices** > **My Phone** > **Connect**, and select the QR code option in the upper left corner.

To check the version of PC Manager, go to • • • > **About**. To update PC Manager, go to • • • > **Check for updates**.

2 Ensure that your phone is connected to the Internet and use it to scan the QR code displayed on the PC.

3 Follow the onscreen instructions to connect your phone and PC.

Connect Your Phone to the PC with a USB Cable

1 Use a USB cable to connect your phone and PC.

2 On the PC, open PC Manager (version 10.1 or later).

To check the version of PC Manager, go to • • • > **About**. To update PC Manager, go to • • • > **Check for updates**.

3 Confirm to connect to the PC on your phone.

If you cancel the connection on your phone, you can establish a wired connection again. To do so, open PC Manager and go to **My devices** > **My Phone** > **Connect** > **Other ways to connect** > **USB**.

Disconnect Your Phone from Your Computer

After you have finished using Multi-screen Collaboration, you can disconnect your devices using the following methods:

- Open PC Manager on your computer and go to **My devices** > **My Phone** > **Disconnect**.
- Swipe down from the upper left edge of your phone to display the notification panel, and touch **DISCONNECT**.
- If your phone and computer are connected via a USB cable, remove the cable to disconnect them.

Drag to Transfer Files Between Your Phone and Laptop

After connecting your phone to a laptop, you can transfer files between them to make work easier.

Drag and Drop Files

After Multi-Screen Collaboration is established between your device and PC, you can drag and drop files such as pictures and videos between them to make your work easier.

Transfer files from your device to the PC.

- In the device window on the PC, open **Gallery** or **Files**, click and hold a picture or video, click and hold any of the selected files until a dragging icon is displayed, then drag the files to a folder on your PC.
- In the device window on the PC, drag the selected pictures or text and drop them in an opened document on your PC.
  For example, drag a photo or text from Notepad in the device window and drop it to an Office document opened on your PC, then continue editing on your PC.

Transfer files from your PC to your device:

- Go to **Gallery** > **Albums** in the device window, and drag a picture or video from your PC to the device window.
- Open **Files** in the device window, and drag a document from your PC to the device window.
  The file will be saved in the folder that is open in **Files**, or in the **Huawei Share** folder by default.
- Open a file in the device window on the PC, then drag a picture or text from Notepad to the device window.
  For example, drag a picture on your PC to a Notepad item opened in the device window, then continue editing on your device.

Use Huawei Share OneHop to Transfer Files

After Multi-Screen Collaboration is enabled between your device and PC, you can transfer files between them using **Huawei Share** OneHop, without needing a data cable or any software.

Share pictures and videos

- **Transfer pictures and videos from your device to your PC:**

  1 On your device, select one or more pictures and videos in **Gallery**.

  2 Place the NFC area (near the rear camera) on the back of your device against the  or  label on the PC until your device vibrates or plays a tone. The selected pictures or videos will be quickly transferred to your PC.
- **Transfer pictures from your PC to your device:**

  1 Right-click a picture on your PC and use Huawei Image viewer to open it.

  2 On your device, exit **Gallery** or go to the home screen, and place your device against your PC (in the same way as above) to transfer the picture from your PC to your device.

Ensure that PC Manager is running version 9.0 or later.

Record the PC screen:

Shake your device and place it against your PC to project and record the PC screen on your device.

1 Shake your device and immediately place the NFC area (near the rear camera) on the back of the device against the  or  label on your PC until your device vibrates or plays a tone. Your PC screen will then be projected and recorded on your device.

2 Touch  on your device to stop the screen recording, which will be saved to **Gallery** on your device.

- This feature is currently supported on Intel laptops only.
- Ensure that PC Manager is running version 9.1 or later.

Share documents

- **Transfer documents from your device to your PC:**

  1 On your device, use Microsoft Office to open the document you want to transfer.

  2 Place the NFC area (near the rear camera) on the back of your device against the  or  label on the PC until your device vibrates or plays a tone. The selected documents will be quickly transferred to your PC.

- **Transfer documents from your PC to your device:**

  1 On your PC, use Microsoft Office to open the document you want to transfer.

  2 On your device, exit Microsoft Office or return to the home screen, then place the device against your PC (in the same way as above). The file opened on your PC will then be transferred to your device.

  Ensure that PC Manager is running version 9.1 or later.

Access Phone Apps and Files on Your Computer

After Multi-screen Collaboration is enabled between your phone and Huawei or Honor laptops, you can use a mouse and keyboard on your laptop to access your phone apps and files.

Operate Phone Apps on Your PC

Use a mouse to perform operations quickly

- Open an app: Click an app in the phone window on your PC to open it.
- **Browse a page**: Use the mouse scroll wheel to browse web pages in the phone window or scroll between desktop tabs.

Use a keyboard to perform operations quickly

- **Input text**: Use the input method on your PC to enter text in the phone window.
- **Copy and paste text**: Press Ctrl+C on the PC keyboard to copy text and press Ctrl+V to paste it in the phone window.

  To view information about the text you have copied recently, click the Notification Center icon on the PC, then select the **Clipboard** tab.

- **Send messages quickly**: Press Ctrl+Enter on the keyboard to send a message in the phone window.
- Exit an app: Press the ESC key on the keyboard to exit an app in the phone window.

Always display the phone window on the top

In the phone window on your PC, click ☰ > 📌 to pin the phone window so that it will be always displayed on the top, and click this icon again to unpin the phone window.

Answer a Voice or Video Call on Your Laptop

After Multi-Screen Collaboration is enabled between your phone and laptop, you can use the laptop to answer voice and video calls (such as those in WeChat, QQ, and MeeTime) from your phone. During a call, the audio and video can be played through your laptop and its accessories such as the speaker and camera.

Swipe down from upper left edge of your phone to display the notification panel, and touch **Play audio/video on phone** or **Play audio/video on PC** to switch the audio output device.

ⓘ Please ensure that your laptop is running PC Manager 10.1 or a later version.

Open and Edit Files on Your Phone Using Apps on the PC

After connecting your phone to your laptop, you can open and edit various files on your phone from your laptop.

- **Documents:** Use Microsoft Office on your laptop to open a document.
- **Pictures**: Use Photoshop on your laptop to open or edit a picture.
- **Audio and video files**: Use Windows Media Player to open an audio or video file.
- **Web pages**: Use IE browser on your laptop to open a web page.
- **Compressed files**: Use WinRAR on your laptop to extract and open compressed files.

ⓘ Please ensure that your laptop is running PC Manager 10.1 or a later version.

Seamless Cross-Device File Management

Once your phone is connected to your laptop, you'll be able to view and access phone files by category, directly on the laptop screen, and even save files you've edited on the laptop to the phone.

ⓘ
- First confirm that your laptop is running PC Manager 11.1 or a later version. Then open PC Manager, go to ••• > **Settings** > **Connections**, and make sure that **Multi-Device Files** is enabled.
- To view the PC Manager version, go to ••• > **About**. If you need to update PC manager, go to ••• > **Check for updates**.

Viewing phone files on your laptop: You can use any of the following methods to view phone files by category:

- Open PC Manager, go to **Home**, then go to **Phone** > **Access phone files**.
- Open PC Manager, and go to **My devices** > **My phone** > **Access phone files**.
- On the laptop desktop, double-click **This PC** and open the drive named for your phone.

Accessing files on your phone from your laptop: When viewing phone files from your laptop, feel free to drag images, text, or other files to open documents or folders on your laptop. For example, you can drag an image from your phone to a note that you are editing on your laptop, or to an email you are composing on your laptop, to send it as an email attachment.

Saving files from your laptop to your phone: You can also save edited files or email attachments on your laptop to the corresponding folder on your connected phone.

Share Your Phone's Mobile Data Network with Your Laptop

After Multi-Screen Collaboration is enabled between your phone and laptop, you can share your phone's hotspot with your laptop in PC Manager.

1 Ensure that your phone is connected to the Internet using mobile data.

2 Open PC Manager and go to **My devices** > **My Phone** > **Instant Hotspot**.

After Instant Hotspot is enabled, your laptop will use your phone's mobile data to access the Internet.

- Please ensure that your laptop is running PC Manager 11.0 or a later version.
- The operations may vary between PC Manager versions.

Multi-screen Collaboration Between Your Tablet and Phone

Multi-screen Collaboration Between Your Phone and Tablet

Connect your phone and tablet to use Multi-screen Collaboration for cross-device operations, such as to display your phone screen on the tablet, use your phone apps on the tablet, drag files across the two devices, and edit a file from your phone on the tablet.

Connect Your Phone and Tablet

Only certain Huawei and Honor tablets support this feature.

Connect your phone and tablet and enable Multi-Screen Collaboration using one of the following methods (depending on your device model):

Connect over Bluetooth:

1 Swipe down from the upper right edge of the tablet screen to display **Control Panel**, touch to expand the shortcut switches panel, and enable **Multi-Screen Collaboration**.

2 Swipe down from the upper right edge of the phone screen to display **Control Panel** and enable **Bluetooth**.

3 Hold your phone close to your tablet and follow the onscreen instructions to establish a connection.

Scan a QR code to connect:

1 Open **Multi-Screen Collaboration** on your tablet and touch **Scan to connect** on the **Multi-Screen Collaboration** screen.

2 Ensure that your phone is connected to the Internet and connect your phone and tablet as prompted.

Connect by tapping against an NFC-capable keyboard:

You can place your phone against the standard NFC-capable keyboard that comes with your tablet to enable Multi-screen Collaboration.

1 Make sure that your tablet has been paired with the keyboard.

2 Swipe down from the upper right edge of the phone screen to display **Control Panel**, touch to expand the shortcut switches panel, and enable **NFC**.

3 Tap the NFC area at the back of your phone (near the rear cameras) against the NFC area of the keyboard until your phone vibrates or plays a tone.

4 Connect your phone and tablet as prompted.

Access Phone Apps and Files from Your Tablet

After connecting your phone with your tablet, you can operate your phone from your tablet, such as to use phone apps and files, view phone notifications (such as SMS messages), and make or answer phone calls.

When your phone screen is unlocked, you can perform the following operations in the phone window on your tablet:

- Open **Phone** to make a call by dialing a number.
- Open **Messaging** to view and reply to SMS messages.
- Open **Gallery** or **Files** to view photos, videos, and files, as well as to play video or audio files from your phone.
- Swipe down from the upper left edge of your phone or tablet screen to display the notification panel and touch **Play audio/video on phone** or **Play audio/video on tablet** to switch between playback devices.
- If your tablet is connected to an external keyboard or a stylus, you can use it to input text and control the phone window on your tablet.

Drag to Transfer Files Between Your Phone and Tablet

1 Open **Gallery** or **Files**, and touch and hold a picture, video, or document.

2 Select more files if needed, touch and hold any of the selected files, then drag them when an icon for dragging files appears.

For example, you can:

- Drag to transfer files in **Gallery** or **Files** between your phone and tablet.
- Drag to transfer files in **Files** between your phone and tablet.
- Drag a picture, text, or file from your phone to an open document on your tablet, such as a Microsoft Office document, memo, or email.

Disconnect Your Phone from Your Tablet

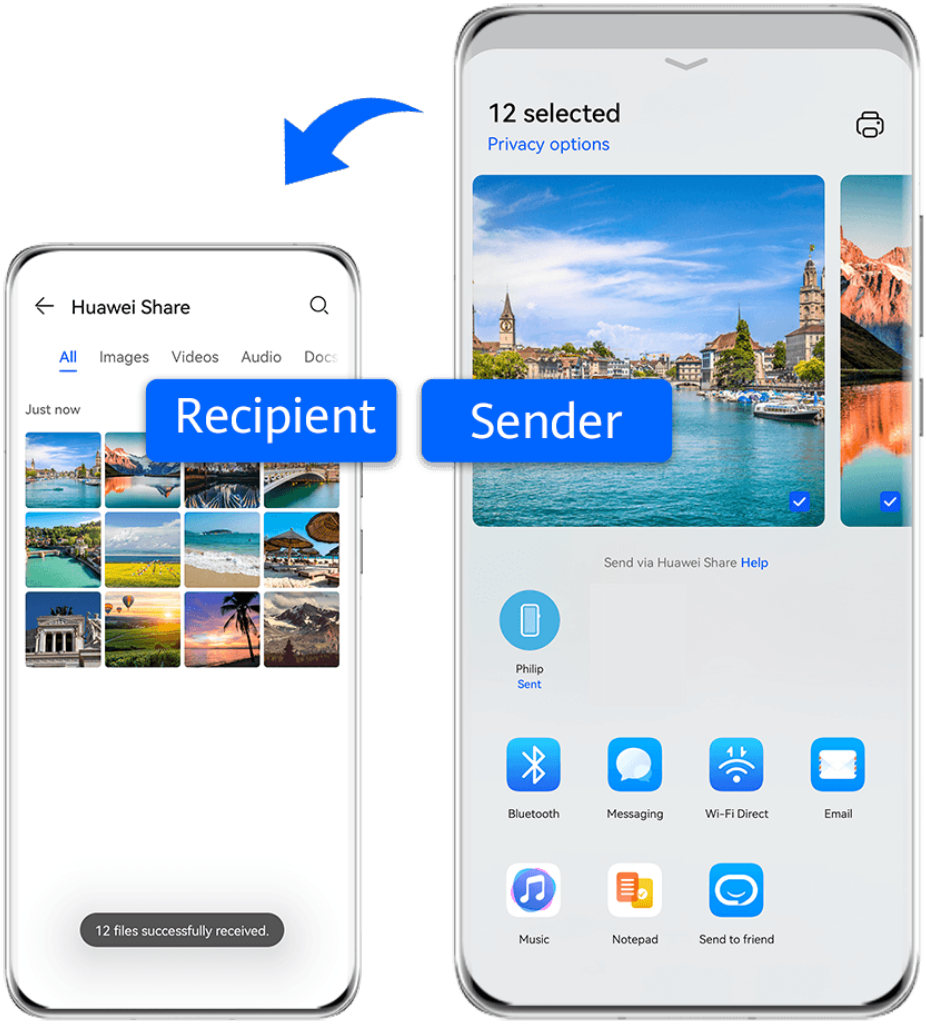
After you have finished using your phone and tablet, you can disconnect them using the following methods:

- On the phone window displayed on the tablet, touch  to disconnect.
- Swipe down from the upper left edge of your phone or tablet screen to display the notification panel and touch **DISCONNECT**.

Huawei Share

Share Local Files Between Phones

You can use Huawei Share to quickly share files between Huawei phones. The recipient can preview the files before agreeing to accept them and view the full content of the files after receiving them. For example, the recipient can view received pictures and videos in Gallery.



The figures are for reference only.

1 On the receiving device, enable **Huawei Share**.

2 On the sending device, touch and hold to select the files you want to share, then touch . Touch **Huawei Share**, then touch the icon of the receiving device to send the file.

These steps may be different if you are sharing files directly from an app.

3 On the receiving device, touch **ACCEPT** to accept the transfer.

Then open **Files** to view the received file.

You can also view the received images or videos by going to **Gallery** > **Albums**.

Share Files Between Your Phone and Computer with Huawei Share

You can use **Huawei Share** to easily share files wirelessly between your phone and a computer (Windows or macOS).

Share Files from Your Phone to Your Computer

Share files from your phone to your computer using Huawei Share. You can then easily access the shared folders on your phone from your computer.

1 Make sure your phone and computer are connected to the same Wi-Fi network.

2 On your phone, access the **Huawei Share** settings, then enable **Huawei Share** and **Computer share**.

3 Make a note of the name displayed next to **Name shown on computers** as well as the user name and password under **Verification on computers**.

4 Perform the following operations on a Windows-based computer (desktop or laptop) or a macOS-based computer (laptop):

- Windows: Go to **This PC (Computer)** > **Network**.
- macOS: Go to **Finder** > **Go** > **Network**.

  Currently, this feature is only available on Macs running macOS 10.8 to 10.14.

5 On your computer, double-click the name of your phone and enter the user name and password that you made a note of.

6 Open a shared folder, such as the **Internal storage** or **Album** folder, to view, edit, or copy files from your phone to your computer or vice versa.
Changes made to files in the shared folders on your computer will be automatically synced to your phone and vice versa.

Share Files Between Your Phone and Computer

You can use Huawei Share to share files between your phone and computer.

1 Swipe down from the upper right edge of your phone to display **Control Panel**, touch to expand the shortcut switches panel, then enable **Huawei Share**.

2 Open PC Manager on your computer and enable **Huawei Share**.

You can transfer files in the following ways:

From your phone to your computer:

1 On your phone, touch and hold to select files to be transferred, then touch **Share**.

2 From the device list, select the name of the target computer.

3 In the displayed dialog box on your computer, click **Accept**.

4 After the transfer is successful, the folder where the transferred files are saved will be automatically opened on your computer for your easy access.

From your computer to your phone:

- Transfer by sharing

  1 On the computer, right-click the files to be transferred and select **Huawei Share**.

  2 From the device list that pops up, select your phone.

  3 In the displayed dialog box on your phone, touch **ACCEPT**.

- Transfer by dragging

  1 Select the file to be transferred and drag it to the corresponding phone on the Huawei Share screen.

  2 In the displayed dialog box on your phone, touch **ACCEPT**.

Ensure that PC Manager is running version 11.1 or later.

Huawei Print

Print Files, with Huawei Print

Your phone makes it easy to print images and documents on it, by detecting nearby printers that support **Huawei Print**. Then just touch to print!

1 Power on the target printer and make sure that it is connected to the same Wi-Fi network as your phone, or that Wi-Fi Direct is enabled.

2 To print files stored in different locations on your phone:

- **Gallery**: Open an image or select multiple images in **Gallery**, and go to **Share** > .
- **Notepad**: Open a note in **Notepad**, and go to **More** > **Print**.
- **Files**: Select one or more files in **Files**, and go to **Share** > **Print**.

3 After granting the necessary permissions, touch **Select** to detect nearby printers and select the desired printer. You can then set the number of copies, color, paper size, and other options on the preview screen, and touch **PRINT**.
If no printer is detected, download and install the required printer plug-in as prompted on the **Select printer** screen.

Multi-Device Collaboration

Work Seamlessly Across Devices with Device+

Device+ allows for collaboration between different devices, making your phone the hub of your nearby tablets, computers, Visions, and other supported devices for them to be controlled conveniently. You can also seamlessly transfer ongoing tasks on your phone, from MeeTime calls to audio and video content being streamed, to your Vision with just a tap, and you can easily view the phone screen projected to your computer, or edit files on your phone using your computer.

Please make sure your device has been updated to the latest system version.

Set Device+

Currently, **Device+** supports linking phones with the following types of devices. To use this feature, make sure that devices to be connected support **Device+**. Before you get started, enable Bluetooth and Wi-Fi and log in to your HUAWEI ID on your phone. For other devices, perform the following settings:

- **Tablet**: Enable Bluetooth and Wi-Fi, and ensure that it is logged in to the same HUAWEI ID as your phone.
- **Computer**: Enable Bluetooth and Wi-Fi, and ensure that it is logged in to the same HUAWEI ID as your phone.

- **Vision**: Enable Bluetooth and Wi-Fi, and ensure that it is logged in to the same HUAWEI ID as your phone.
- **Bluetooth device**: Some Bluetooth devices (such as Bluetooth headsets) can be linked with your phone via **Device+** after establishing a Bluetooth connection.

Show Device+: If **Device+** is hidden or cannot be found, go to **Control Panel** and then to  > **Show Device+**.

Transfer MeeTime Calls and Audio or Video Being Streamed to Other Devices

When you are making MeeTime calls on your phone, watching videos (such as in HUAWEI Video, Youku, or other video streaming apps), or listening to music, you can transfer any of these ongoing tasks to another device via **Device+** and pick up from where you left off on the new device. For instance, you can transfer a MeeTime call to your Vision and a video being streamed to your tablet.

MeeTime: This feature is only available in some countries and regions.

You can select different devices to transfer the following tasks:

- **Videos**: Can be transferred to tablets and Visions.
- **MeeTime calls**: Can be transferred to Visions.
- **Music**: Can be transferred to Bluetooth earphones and Visions (either when the screen is on or off).

1 Swipe down from the upper right edge of your phone to display **Control Panel**. Available devices will be displayed in the **Device+** section. You can also touch  to search for nearby devices manually.

2 Touch a device that you want to transfer the ongoing tasks to.



The figures are for reference only.

Use Multi-Screen Collaboration on a Computer or Tablet

You can view or edit files on your phone using your computer or tablet, drag files across devices, and even use phone apps on your computer or tablet.

1 Swipe down from the upper right edge of your phone to display **Control Panel**. Available devices will be displayed in the **Device+** section. You can also touch to search for nearby devices manually.

2 Select a device that you want to connect to, and your phone screen will then be displayed on that device.

To stop Multi-Screen Collaboration, touch the corresponding device again in the **Device+** section.

Control AI Life Scenes and Devices

You can access existing **AI Life** scenes and devices from **Control Panel** for easier control.

1 Swipe down from the upper right edge of your phone to display **Control Panel**. You can then turn a smart device on or off, or access the device details screen to manage the device.

2 You can go to > **Edit devices**, then add or delete a scene or device card displayed in **Control Panel**.

Smart Remote

Use Your Phone as a Remote Control

Your phone uses infrared technology, allowing you to pair it with household appliances in the Smart Remote app and use it to remotely control appliances such as TVs, air conditioners, STBs, DVD players, cameras, projectors, and network boxes.

Add and Use a Remote Control

1 Go to **Smart Remote** > **Add**, select the device type (such as TV, air conditioner, STB, DVD player, camera, projector, or network box), and then the brand.

2 Point the infrared sensor on the top of your phone at the household appliance, and follow the onscreen instructions to add it to your remote control.

3 After adding the appliance, simply touch to control it remotely.

Enable or Disable Remote Control Keypad Touch Sounds

Go to **Smart Remote** > > **Settings** to enable or disable keypad touch sounds and/or vibration.

Audio Control Panel

Audio Control Panel

Manage Audio Playback in Audio Control Panel

When multiple audio apps (such as **Music**) are opened, you can manage music playback and switch between these apps in Audio Control Panel with ease.

1 After opening multiple audio apps, swipe down from the upper right edge of the phone to display **Control Panel**, then touch the audio playback card at the top of **Control Panel**.

2 The currently and recently used audio apps will be displayed in Audio Control Panel where you can manage playback (such as playing, pausing, and switching to the previous or next song) in the app in use, or touch another audio app to quickly switch playback.

- Some apps need to be updated to the latest version before using this feature.
- Not all apps support Audio Control Panel.

Quickly Switch Audio Playback Device

When your phone is connected to an audio device (such as a headset, Bluetooth speaker, or Vision product), you can quickly switch the playback device in the audio control section in **Control Panel** (such as for transferring the current music playback from your phone to a Bluetooth speaker).

1. Connect your phone to an audio device via Bluetooth or other methods.
   After a Vision product is connected to your phone via Bluetooth, you can also connect it to the same Wi-Fi network and log in to the same **HUAWEI ID** as your phone to perform more operations.

2. Swipe down from the upper right edge of your phone to display **Control Panel**, touch  or the device icon (such as ) in the top right corner of the audio control section at the top, then select the audio device from the connected device list to transfer the current audio playback on your phone to the device.

Camera and Gallery

Launch Camera

Launch Camera

There are multiple ways to open the Camera app.

From the Home Screen

From the home screen, open **Camera**.

From the Lock Screen

When the screen is locked, turn on the screen, then swipe up on the camera icon in the lower right corner to open the camera.

Using Ultra Snapshot

When this feature is enabled, you can open the camera or take a snapshot when the screen is off or locked.

1 Go to **Camera** >  > **Ultra snapshot** and select **Open camera** or **Take a snapshot**.

2 You can now double-press the Volume down button to open the camera or take a snapshot without unlocking or turning on your screen.

Take Photos

Take Photos

1 Open **Camera**.

2 You can then:

- Focus: Touch the location you want to focus on.
  To adjust focus and metering separately, touch and hold the viewfinder and drag the respective frame or ring to the desired location.
- Adjust brightness: Touch the viewfinder. When the  symbol appears next to the focus frame, drag it up or down.
- Zoom in or out: On the viewfinder, pinch in or out, or drag the zoom slider.
- Select a camera mode: Swipe up, down, left, or right across the camera mode options.
- Turn the flash on or off: Touch  and select  (Auto),  (On),  (Off), or  (Always on).

If you select (Auto) and the camera detects that you are in a dimly lit environment, a flash icon will appear in the viewfinder and the flash will be automatically turned on when you take a photo.

These features may not be available in some camera modes.

3 Touch the shutter button to take a photo.

Front Camera Autofocus

When taking a selfie using the front camera, your phone will automatically recognize the subject's face in the viewfinder and make sure that the eyes are in focus.

1 Open **Camera**.

2 Select **Photo**, **Portrait**, or **Video**, and touch to switch to the front camera.

3 Align the front camera with the subject's face. When the camera detects a face, the focus frame will be displayed in the viewfinder.

4 Touch the shutter button to take a photo or start recording a video.

Some shooting modes do not support the eye detection feature with the front camera.

Use the Floating Shutter to Take Photos

You can enable the floating shutter to display it in the camera viewfinder, and drag it anywhere you like to take photos quickly.

1 Go to **Camera** > and enable **Floating shutter**.

2 The floating shutter will then be displayed in the viewfinder. You can drag it anywhere you like.

3 Touch the floating shutter to take a photo.

Take Burst Photos

Use Burst mode to take a sequence of photos in quick succession so you can choose the best one.

1 Open **Camera**, select **Photo** mode, and make sure the rear camera is in use.

2 Press and hold the shutter button or one of the Volume buttons to take burst photos. When shooting, you'll see a number in the viewfinder, which indicates how many photos you've taken so far.

3 Release your finger to stop shooting.

Select the Burst Photos You Want to Keep

1 Open **Gallery**. Touch a burst photo (which is tagged with), then touch .

2 Swipe through the burst photos, select the ones you want to keep, then touch and follow the onscreen instructions.

To delete the whole burst photo, touch and hold to select the photo, then touch .

Take Timed Photos

The camera timer allows you to set a countdown so you can get into position after you have touched the shutter button.

1 Go to **Camera** > > **Timer** and select a countdown.

2 Return to the viewfinder and touch the shutter button. Your phone will take a photo when the countdown ends.

Use Audio Control to Take Photos

You can use your voice to take photos without having to touch the shutter button.

1 Go to **Camera** > > **Audio control**, and select an option.

2 Go back to the viewfinder, then say your command to take a photo.

Get Instant Gratification, with Snapshot Mode

Snapshot will reward you with a photo as soon as you touch the shutter button, turning your spur-of-the-moment pics into instant classics!

1 Go to **Camera** > **More** and select **Snapshot**.

2 Touch to take a photo.

Shoot in Portrait, Night, and Wide Aperture Modes

Use Portrait Mode to Shoot Portraits

Portrait mode lets you apply beauty and lighting effects to your photos to shoot stunning portraits.

1 Open **Camera** and select **Portrait** mode.

2 Frame your subject within the viewfinder.

To take a selfie, touch .

3 You can then:

- Enable beauty effects: Touch and adjust the beauty settings.

  To disable the beauty effects, drag the setting to its lowest value, or touch .

- Set lighting effects: Touch  and select your preferred effect.
- Light compensation: When you switch to the front camera and the ambient light is dim, touch the flash icon to enable light compensation.

  Touch the flash icon and select  (Auto) or  (Always on).

  Not all devices support these features.

4 Touch the shutter button to shoot a photo.

Take Night Shots

Night mode gives your photos sharper details and brighter colors even when shooting in low light or at night.

1 Open **Camera** and select **Night** mode.

2 When shooting with the rear camera, some phones allow you to adjust the ISO sensitivity and shutter speed by touching ISO or S in the viewfinder.

3 Steady your phone and touch the shutter button.

4 Your phone will adjust the exposure time based on the ambient brightness. Keep your phone steady until the countdown finishes.
You can also touch the shutter button to take a photo before the countdown finishes.

Some phones do not support ending a countdown before it is due to finish.

Use the Front Camera to Take Night Portraits

To take a selfie at night or when there is not sufficient light around you, you can use the front camera in Night mode.

In a dim environment, you can turn on the flash to get an illuminated photo of your face.

1 Open **Camera** and select **Night** mode.

2 Touch  to switch to the front camera and:

- Touch the flash icon and select  (auto) or  (steady on) to enable the flash. This allows you to capture an illuminated photo of your face when there is not sufficient light around you.
- Touch  to adjust the beauty effect.

  If the  icon cannot be found in the viewfinder of your phone, it means that beauty mode is not supported.

3 Steady your phone and touch the shutter button.

Take Photos, with Aperture Mode

Take Wide Aperture Photos

Wide aperture mode allows you to shoot photos and videos with a blurred background while your subject remains in sharp focus.

1 Open **Camera** and select **Aperture** mode.

2 Touch where you want to focus. For best results, your phone needs to be within 2 m (about 7 ft.) of your subject.

3 Touch  in the viewfinder and drag the slider to adjust aperture settings. A smaller aperture value will create a more blurred background.

4 Touch the shutter button to shoot a photo.

Edit Background Blur in Wide Aperture Photos

You can adjust the focus and background blur after you've taken a wide aperture photo.

1 Go to **Gallery** > **Albums** > **Camera**.

2 Touch a photo tagged with , then touch  at the top of the photo.

3 Touch the photo to adjust the focus. Drag the slider at the bottom to adjust the aperture.

4 Touch  to save the settings.

Master AI

Take Professional-Looking Photos

Master AI is a pre-installed camera feature that helps you take better photos by intelligently identifying objects and scenes (such as food, beaches, blue skies, and greenery, as well as text) and optimizing the color and brightness settings accordingly.

Master AI is displayed as AI photography or AI camera on some devices.

1 Open **Camera** and select **Photo** mode.

2 Touch to turn on .

3 Frame the subject within the viewfinder. Once the camera identifies what you are shooting, it will automatically recommend a mode (such as portrait, greenery, or text).

4 To disable the recommended mode, touch  next to the mode text or turn off .

Use Moon Mode

1 Open **Camera** and select **Photo** mode.

2 Touch to turn on .

3 Aim the camera at the moon and spread your fingers on the viewfinder to adjust the zoom to 10x or more.

When the camera detects the moon, it will automatically enter **Moon** mode.

4 Touch  to take a photo.

Moon mode can only identify the moon if it is at least half full. The mode may not launch if the moon is shrouded by clouds.

Take Photos with Various Zoom Settings

Take Wide-Angle or Long-Focus Photos

The zoom capabilities of your device's camera allow you to capture more of a scene, or distant vistas.

Take Wide-Angle Photos

1 Open **Camera** and select **Photo** mode.

2 Point the camera at the subject and zoom in or out using the side bar, or by pinching or spreading two fingers on the screen. The smaller the value, the wider the angle of view. You can also use **Super wide angle** mode (only available on certain models).

On the **Photo** screen, make sure that  is enabled. Then point the camera at the desired subject. If your phone detects a high-rise or other buildings, it will automatically recommend **Super wide angle** mode to you. Touch **Wide** to get a wider field of view.

3 Touch  to take a photo.

Automatically Switch to Wide Angle When Taking Selfies with the Front Camera

When the front camera of your phone detects multiple people in the frame, it will automatically switch to the wide angle to fit more people into your photo.

1 Open **Camera**, select **Photo** or **Portrait** mode, then touch  to switch to the front camera.

2 After you switch your phone from portrait to landscape orientation, the camera will automatically switch to Wide-angle mode. When there are three or more people in the viewfinder, the camera will automatically switch to the widest angle in Wide-angle mode. You can also drag the zoom slider in the viewfinder to manually switch between zoom levels.

3 Touch  to take a photo.

Take Photos from Far Away

1 Open **Camera** and select **Photo** mode.

2 Point the camera at a distant subject and zoom in or out using the side bar or by pinching or spreading two fingers on the screen.

If your phone supports zooming in more than 15X, a picture-in-picture preview frame will be displayed in the viewfinder to help you focus on your subject when you zoom in more than 15X.

Some products do not support the picture-in-picture preview frame.

3 In the viewfinder, touch where you want to focus, and touch to shoot when the subject is in focus.

Macro

Automatically Switch to Super Macro Mode

1 Open **Camera**. When the camera is close enough to the object you want to shoot, it will automatically focus on the object. If is enabled, the screen will display **Super macro**. If it is not displayed, keep a distance of 2.5–10.0 cm (about 1–4 in.) away from the subject.

2 Touch to take a photo.

Take Panoramic Photos

Take Panoramic Photos

Add some width to your landscape or group photos with the Panorama feature. The camera takes multiple photos of objects within your field of view and stitches them together into a single panoramic photo.

Use the Rear Camera to Take Panoramic Photos

Panorama mode combines multiple shots into a seamless panoramic photo. Simply move the camera as you shoot and the camera will take care of the rest.

1 Go to **Camera** > **More** and select **Panorama** mode.

2 Touch and set the pan direction.

3 Point the camera at your starting point, then touch to start shooting. Move the camera in the direction of the arrow displayed on the screen. Keep the arrow on the center line when you are taking the photo.

4 Touch when you are finished.

Use the Front Camera to Take Panoramic Selfies

1 In **Panorama** mode, touch to switch to the front camera.

Touch  and drag the slider to adjust the beauty effect. A larger value will produce a more pronounced beauty effect.

2 Point the camera at the center of your shot, then touch  to take the first photo.

3 Turn the camera to the left and right slowly as instructed. When the two frames on the viewfinder overlap, the camera will automatically take the second and last photos.

After the three photos are taken, the camera will automatically combine them into a panoramic photo.

Monochrome Photography

Monochrome

Take Black and White Photos

Black and white photography removes distracting colors to help you focus more on form, shape, and texture.

1 Go to **Camera** > **More** and select  mode.

2 Touch  to take a photo.

Take Monochrome Videos

Monochrome videos filter out colors and highlight the contrast and details.

1 Go to **Camera** > **More** and select  mode.

2 Touch  to switch to Video mode.

3 Touch the shutter button to begin recording. While shooting, you can touch  to take a photo.

Moving Pictures

Take Moving Pictures to Bring Photos to Life

When you want to capture a photo-worthy moment, but do not feel sure about when to touch the shutter button, you can use the Moving picture feature.

Take Moving Pictures

1 Go to **Camera** > **Photo** and touch  to enable Moving picture, or go to **Camera** > **More** and select **Moving picture** (depending on your device model).

2 Touch the shutter button to shoot.

Play Moving Pictures

Moving pictures are saved in JPG format in **Gallery**.

Go to **Gallery** > **Albums** > **Camera**, touch a moving picture, then touch  at the top of the picture to view it.

The moving picture will automatically stop after a complete playback. You can also touch the screen to stop the playback.

Edit Moving Pictures

After taking a moving picture, you can set the cover, edit the picture, or save any frame of the moving picture as a static photo.

1 Open **Gallery**, touch the moving picture that you want to edit, then touch .

2 Touch **Smart** to:

- Set the cover: Your phone recommends the best frames, which are indicated by crown icons. Select your desired frame and touch **Set as cover** to set it as the cover, which is indicated by a dot over the frame.
- Edit the picture: After setting the frame to be edited as the cover frame, touch **Auto** or **De-mist** in **Smart**. Your phone will then automatically optimize the picture for you.

  If you want to apply more than one of the aforementioned features to the photo, touch  each time you apply a feature.

3 After you have finished editing the picture, touch  to save it as prompted. You can also save the picture as a new moving photo in the original photo album.

To save one of the frames in the moving picture as a static photo, touch , set the frame as the cover frame, edit the frame using features with the exception of **Smart** (such as filters), then touch . The cover frame will be saved as a static photo.

Save a Moving Picture as a GIF File or Video

To save a moving picture as a GIF file or video, touch the moving picture in the album, touch , then select **Save as video** or **Save as GIF**.

Share Moving Pictures

You can share moving pictures with Huawei or Honor devices using various methods, such as Wi-Fi Direct, Bluetooth, or Huawei Share.

Go to **Gallery** > **Albums** > **Camera**, touch and hold to select the moving pictures you want to share, then touch  to share them.

If you share moving pictures to third-party apps or incompatible devices, moving pictures will be displayed as static images.

Add Stickers to Photos

Add Stickers to Photos

Add a sticker, such as a time, weather, mood, or food sticker, to spice up your photos.

1 Go to **Camera** > **More** and select **Stickers** mode.

If the **Stickers** option is not present in **More**, touch , then download **Stickers**.

2 Select a sticker, which will then be displayed in the viewfinder.
Drag the sticker to change its position. Touch and hold the dot on the corner of the sticker and drag it to resize the sticker. Touch to delete the sticker.
You can also edit the text in some types of stickers. Touch the editable area which is typically encircled with dash lines to enter the new text.

3 Touch the shutter button to shoot a photo.

Documents Mode

Use Documents Mode to Straighten Photos

Images shot at an angle always suffer from the problem of perspective. If you aren't able to take a perfectly straight photo of a document, use Documents mode.

The camera will automatically adjust skewed images shot in Documents mode and remove shadows from them.

Shoot Photos in Documents Mode

1 Go to **Camera** > **More** and select **Documents** mode.

If the **Documents** option is not present in **More**, touch , then download **Documents**.

2 Frame the document (such as a presentation slide or a poster) you want to shoot within the viewfinder, and touch the shutter button to take a photo.

3 The camera will automatically identify the text area within the viewfinder, unskew the image, and remove any shadows.

Some devices do not support the removal of document shadows.

Adjust the Text Area

If you are not satisfied with the skew correction of a photo, you can also manually adjust the text area.

1 Go to **Gallery** > **Albums** > **Camera**.

2 Touch a document photo marked with  and then touch  at the top of the photo.

3 Drag the four corners to customize the correction area. Then touch . Your phone will reshape the photo as a flat, rectangular image.

High-Res Mode

Take High-Resolution Photos

Take high-resolution photos if you would like to print them or display them on a large screen.

1 Go to **Camera** > **More** and select **High-res** mode.

2 Frame your subject within the viewfinder, then touch where you want to focus.
In **High-res** mode, you won't be able to zoom in or out, or adjust the aspect ratio.

3 Touch the shutter button to shoot a photo.

Pro Mode

Use Pro Mode to Shoot Like a Pro

Pro mode lets you fine-tune photos and videos and gives you full control over ISO sensitivity, focus mode, and more when taking photos or recording videos.

Shoot to Stun, with Pro Mode



The figures are for reference only.

1 Open **Camera** and select **Pro** mode.

2 From there, you can:

- Adjust the metering mode: Touch **M** and select a metering mode.

Metering mode	Overview
Matrix	Measures light across the entire frame; ideal for shooting natural landscapes.
Center	Focuses on light near the center of the screen; ideal for shooting portraits.

Metering mode	Overview
Spot	Focuses on light from a specific region, such as a subject's eyes.

- Adjust the ISO sensitivity: Touch **ISO** and drag the slider.
  In low-light settings, you'll generally want to increase the ISO sensitivity. In well-lit settings, you'll want to reduce it to avoid image noise.
- Adjust the shutter speed: Touch **S** and drag the slider.
  The shutter speed determines the amount of light that is able to enter the camera lens. When shooting stationary scenes or portraits, it's recommended that you use a slower shutter speed. Likewise, when shooting fast-moving scenes or objects, you'll want to increase the shutter speed.
- Adjust EV exposure compensation: Touch **EV·** and drag the slider.
  It's recommended that you increase the EV value in low-light environments, and decrease it in well-lit environments.
- Adjust the focus: Touch **AF·** and select a focus mode.

Focus Mode	Usage scenarios
AF-S (single)	Stationary subjects
AF-C (continuous)	Moving subjects
MF (manual)	Touch the subject of interest to focus in on them, such as the subject's face.

- Adjust the color cast: Touch **WB·** and select a mode.

  When shooting in bright daylight, select . When shooting in overcast conditions or low-light environments, select .

  Touch to adjust the color temperature.
- Select the storage format: **Pro** mode allows you to save the photo in different formats.

  Touch JPG in the viewfinder to select your preferred format.
  Images in JPG format require less storage space.
  If you select RAW format, your phone will automatically save the photos you take in DNG and standard formats. DNG format retains more details, and gives you access to a wider range of post-processing options, but takes up more storage space.
- Enable AF assist light: For better focus in low-light environments, touch to enable AF assist light.

3 Touch the shutter button to take a photo.

- These features are only supported on certain device models.
- Changing a specific setting will sometimes cause other settings to change as well. Adjust them according to your actual requirements.

Use Pro Mode to Record Videos

1 In **Pro** mode, touch to switch to Video mode. You can then:

- Adjust the metering mode: Touch **M** and select a metering mode.

Metering Mode	Description
Matrix	Measures the light in the whole frame. Applicable when shooting natural landscapes.
Center	Concentrates on the light at the center of the screen. Applicable when shooting portraits.
Spot	Concentrates on the light in a small area of the screen, such as the subject's eyes.

- Adjust the ISO sensitivity: Touch **ISO** and drag the slider.
  In low-light conditions, increase the ISO sensitivity. In well-lit environments, decrease the ISO sensitivity to avoid image noise.
- Adjust the shutter speed: Touch **S** and drag the slider.
  The shutter speed affects the amount of light allowed to enter the camera lens. When you are shooting stationary scenes or portraits, decrease the shutter speed. When you are shooting moving scenes or objects, increase the shutter speed.
- Adjust EV exposure compensation: Touch **EV·** and drag the slider.
  Increase the EV value in low-light conditions and decrease the EV value in well-lit environments.
- Adjust the focus: Touch **AF·** and select a focus mode.

Focus Mode	Description
AF-S (single)	Applicable to stationary subjects
AF-C (continuous)	Applicable to moving subjects
MF (manual)	Touch the subject on which you want to focus, such as the subject's face.

- Adjust the color cast: Touch **WB·** and select a mode.
  When shooting in bright sunlight, select . In dimly-lit environments, select .
  Touch to adjust the color temperature.

2 Touch to start recording.

- Not all devices support these features.
- Changing a specific setting will sometimes cause other settings to change as well. Adjust them according to your actual requirements.

Record Videos

Capture Video

1 Open **Camera** and select **Video** mode.

2 Adjust the following settings:

- Zoom in or out: Pinch in or out on the viewfinder, or drag the zoom slider.
- Focus: Touch the location you want to focus on. Touch and hold the viewfinder to lock the exposure and focus.
- Turn the flash on or off: Touch and select (steady on) or (off).
  When using the front camera to record videos in low-light conditions, you can set the flash to (steady on). The camera will provide light compensation.
- Adjust beauty effects: Touch and drag to adjust the effects.
- Adjust the video resolution and frame rate: Go to > **Video resolution** and select the desired resolution. A higher resolution will result in a higher quality video with a larger file size.
  You can touch **Frame rate** to select your desired frame rate.
- Select a space-saving video format: Touch and toggle on the **Efficient video format** switch.
  When this feature is enabled, your phone will use a video format that takes up less storage space. However, videos in this format may not play on other devices. Please exercise caution when selecting this option.

- Not all devices support these features.
- Changing a specific setting will sometimes cause other settings to change as well. Adjust them according to your actual requirements.

3 Touch to shoot.

When recording videos with the rear camera, you can touch and hold or to zoom in or out.

Touch to take a shot of the current frame.

4 Touch to pause and touch to stop shooting.

Enable Sound Volume to Adjust with the Zoom Level

When you are shooting a video, your phone can focus on the sound of the subject you are shooting, so that the sound turns up as you zoom in.

For example, if you are recording a child singing onstage, the child's voice will become clearer as you zoom in on the child.

1 Open **Camera** and select **Video** mode.

2 When using the rear camera, aim the camera at the subject you want to record.

3 Touch  to start recording. Zoom in on the subject by pinching out on the viewfinder or dragging the zoom slider up.
As the camera zooms in, the recorded sound will become clearer.

4 Touch  to end the recording.

Use AI Movie Effects to Record Videos

Use AI movie effects to add an artistic element to your videos without the need for post-processing.

1 Open **Camera** and select **Video** mode.

2 Switch to the rear camera, touch  or , and follow the onscreen instructions to select **AI color**, **Background blur**, or other movie effects (depending on your device model).

3 Go to  > **Video resolution** and select the 21:9 aspect ratio (which most movies are shot in).

- Some products do not support the 21:9 aspect ratio.
- If your phone supports the  feature, disable it first.

4 Touch  to shoot.
Touch  to take photos with movie effects while recording.

5 Touch  to end shooting.

Shoot 4K UHD Videos

Your phone supports 4K Ultra HD (UHD) video recording, allowing you to record in even greater clarity.

1 Open **Camera** and select **Video** mode.

2 Go to  > **Video resolution** and select the 4K resolution.
Beauty mode, filters, and special effects are not supported at 4K, and will be automatically disabled when you select the 4K resolution.

3 Return to the **Video** screen and touch  to start recording.

A higher resolution will result in a higher quality video, but will also take up more storage space.

Slow-Mo Recording

Shoot Slow-Mo Videos

Use Slow-mo mode to capture fleeting moments in detail. Adjust the slow motion speed based on how slow you want your footage to appear. With a higher speed you'll get slower playback.

The available slow motion speeds vary by device.

- 256x: suitable for recording shooting, explosion, or other extreme fast-paced action scenes.
- 128x or 64x: suitable for recording balls being hit and racing.
- 32x or 16x: suitable for recording bubbles popping and water splashing.
- 8x or 4x: suitable for recording breakdowns of fast movements, such as diving into water and a football being kicked. You can customize the overall shooting length and the length of the slow-mo portion.

For best results, shoot the slow-mo videos in bright and natural lighting.

Shoot Slow-Mo Videos

1 Go to **Camera** > **More** and select **Slow-mo** mode.

2 Touch  and select a slow motion speed.

3 Frame your subject within the viewfinder, then touch  to start recording.

Automatically Capture Slow-Mo

Some high-speed slow-mo modes support motion detection. Your camera will automatically track and take snapshots of moving objects in the frame when you touch the shutter button.

1 In **Slow-mo**, touch  and select a speed.

2 If the speed you select supports motion detection,  will appear on the screen. Touch  to ensure that motion detection is enabled.
A detection frame will then be displayed in the viewfinder. Move the frame to the desired position.

3 Frame the object in the viewfinder and ensure that it is also in the detection frame. Touch  to start shooting.
The camera will track the object in the frame and automatically take snapshots when it is moving.

To record a video manually, touch  to disable motion detection, then touch  to start recording.

Shoot Slow-Mo Videos with the Front Camera

You can use the front camera to take slow-mo selfie videos such as of your hair blowing in the wind.

1 Go to **Camera** > **More**, select **Slow-mo** mode, then touch  to switch to the front camera.

2 If your phone allows, touch  and select a slow motion speed.

3 Touch  to start recording.

4 Touch  to end the recording.

Time-Lapse Photography

Use Time-Lapse to Create a Short Video

You can use Time-lapse to capture images slowly over several minutes or even hours, then condense them into a short video. This allows you to capture the beauty of change – blooming flowers, drifting clouds, and more.

1 Go to **Camera** > **More** and select **Time-lapse** mode.

2 Place your phone in position. To reduce camera shake, use a tripod to steady your phone.

3 Touch  to start recording, then touch  to end the recording.

The recorded video is automatically saved to Gallery.

Shoot Time-Lapse Videos in Manual Mode

Time-lapse mode is set to automatic by default when you take videos with the rear camera.

To shoot in manual mode and adjust shooting parameters such as the recording speed, duration, ISO, and more, touch **Auto**. You can then:

- Touch  to adjust the recording speed. For instance, record traffic trails at 15x or blooming flowers at 1800x.
  A video recorded at a higher speed will play faster.
- Touch  to set the recording time. The video recording will automatically stop when it reaches this limit.
- Touch PRO to adjust the metering mode, shutter speed, ISO, and more to ensure a better shooting result.

- Touch  to start recording. If you haven't set the recording duration, touch  to stop recording.

Dual-View Mode

Record Dual-View Videos

In Dual-view mode, you can capture two different perspectives at once by independently filming on two cameras – using both the front and rear cameras or just the rear camera setup – instead of one. When using the front and rear cameras, the dual view shows what's captured by the front camera and rear camera side by side. When using just the rear camera setup, the dual view shows a panorama and a close-up of the center of what is being filmed.

Please make sure your device has been updated to the latest system version.

1 Go to **Camera** > **More** and select **Dual-view**.

2 Frame your subject in the viewfinder.

- To capture images from both the front and rear cameras, touch  to have the dual view show what's captured by the front camera and rear camera. You can pinch in or out on the viewfinder to adjust the zoom level of the view from the rear camera. Touch the screen twice to swap the positions of the dual view images.

  Touch  to enable Picture in Picture mode. You can then tap the small window twice to swap the positions of the images, or drag the window to any other position. Touch  to return to split-screen mode.

- To use just the rear camera setup for dual-view recording, touch  to switch to the rear camera. A panoramic view and a close-up of the center of the panorama will be displayed in split-screen mode in the viewfinder.
  You can adjust the zoom level of the close-up view by pinching in or out on the viewfinder. Touch the screen twice to swap the positions of the panorama and close-up views.

3 Touch  to start recording and  to stop recording.

Choose the Sound Source You Want to Pick Up in Dual-view Mode

You can decide which direction you want to pick up sound from in Dual-view mode. For instance, when using the dual-rear Dual-view mode, you can pick up sound from either the panoramic or close-up view. When using the front and rear Dual-view mode, you can pick up sound from the front or rear.

Some phones do not support front and rear Dual-view mode.

1 Go to **Camera** > **More** and select **Dual-view**.

2 Point your phone at the scene you want to record, touch  in the viewfinder, and choose which view you want to pick up sound from as prompted.

- When using the dual-rear Dual-view mode, you can pick up sound from either the panoramic or close-up view. If you choose to pick up sound from the close-up view, your phone can focus on the sound of the subject you are shooting, and the sound turns up as you zoom in. For instance, you can zoom in on the subject by pinching out on the viewfinder or dragging the zoom slider up. In doing so, the recorded sound of the subject will become clearer.
- When using the front and rear Dual-view mode, you can pick up sound from either the front or rear. For instance, when you are filming different subjects with the front and rear cameras, you can choose which subject you want to focus on.

3 Touch the shutter button to start recording.

Story Creator

Tell Your Story in Story Creator Mode

In **Story creator** mode, you can choose a template and follow the instructions to create an engaging story with the camera and without having to focus or zoom manually.

1 Go to **Camera** > **More**, and select **Story creator** mode.

2 Touch a template to preview what it looks like. Touch  to start.

3 Your phone will instruct you to take several shots. Before shooting, the viewfinder will show the preview of each shot. Touch  to close the preview.

Touch  to start recording. Your phone will take care of the focusing, rotating, and zooming in the viewfinder. When the preset time has elapsed, your phone will stop recording. You can touch  and record the next shot until all shots are recorded.

4 To shoot a different scene, exit the camera. Your phone will automatically save your shots. When you enter **Story creator** mode again, you can continue with the saved shots (only the shots recorded from the last time are saved).

5 When you are finished, your phone will automatically splice the shots and create a video clip with music. If you are unsatisfied with any of the shots, touch the preview frame of the shot, then touch  and follow the onscreen instructions to retake the shot.

If you are unsatisfied with all shots, touch  to remove them all and shoot again.

6 When you are finished, touch  to export the video to the **Videos** album.

Filters

Apply a Filter to Photos or Videos

1 Open **Camera** and select **Photo** or **Video** mode.

2 Touch  or  to select a filter and preview the effect.

Some phones do not have the  icon.

3 Touch the shutter button to take a photo or start recording a video.

Adjust Camera Settings

Adjust Camera Settings

You can adjust the camera settings to take photos and videos more quickly.

The following features may not be available in some camera modes.

Adjust the Aspect Ratio

Go to **Camera** >  > **Aspect ratio** and select an aspect ratio.

This feature is not available in some modes.

Enable Location Tags

To enable **Location tag**, enable Location Services for your phone first, then go to **Camera** > . Your photos and videos will then be tagged with location information.

You can touch and swipe up on a photo or video in Gallery to view its shooting location.

To enable Location Services on your phone:

- Swipe down from the upper right edge of the phone to display **Control Panel**, touch to expand the shortcut switches panel, and enable **Location**.
- Go to **Settings** > **Location** and enable **Access my location**.

Add Device Watermarks

Enable **Add watermark**. Photos and videos shot with the rear camera will have a device watermark added.

Adding a device watermark to videos is not supported on certain phones.

Use the Assistive Grid to Compose Your Photos

Use the assistive grid to help you line up the perfect shot.

1 Enable **Assistive grid**. Grid lines will then appear in the viewfinder.

2 Place the subject of your photo at one of the intersecting points, then touch the shutter button.

Use Mirror Reflection

When using the front camera, touch , then enable or disable **Mirror reflection**.

When **Mirror reflection** is enabled, the image will appear as you see yourself in the viewfinder, instead of flipped.

When **Mirror reflection** is disabled, the image will be flipped, so it's the opposite of what you see in the viewfinder.

Mute the Shutter Sound

Enable **Mute** to mute the camera shutter sound.

This feature is only available in some countries and regions.

Capture Smiles

Enable **Capture smiles**. The camera will take a photo automatically when it detects a smile in the viewfinder.

Use the Horizontal Level for Better Compositions

Enable **Horizontal level** to display a horizontal guiding line on the viewfinder.

When the dotted line overlaps with the solid line, it indicates that the camera is parallel with the horizontal level.

Customize Camera Mode Layout

You can customize the layout of the Camera mode screen based on your preferences by moving the frequently used modes to the camera home screen, or change the order of modes.

Photo, **Portrait**, and **Video** modes cannot be moved to **More**.

1 Go to **Camera** > **More**, and touch to enter the mode editing screen.

2 Touch and hold a mode and drag it to the desired position. You can move a mode on the **More** screen to the camera home screen, move the mode on the camera home screen to **More**, or adjust the layout of the mode screen based on how often you use certain modes.

Modes with a icon can be deleted by simply touching this icon.

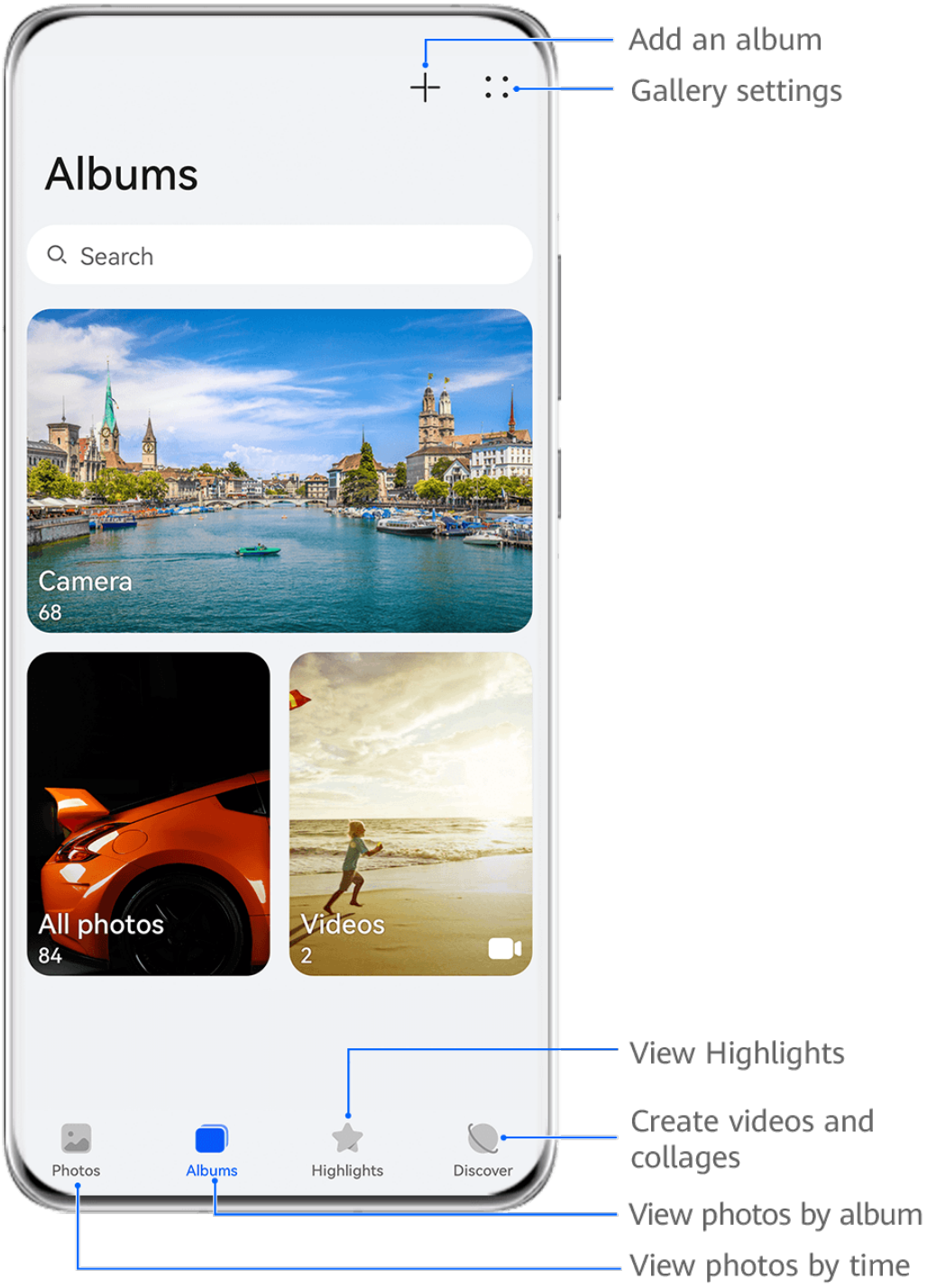
3 Touch to save the layout.

To restore a deleted mode, go to **Camera** > **More**, touch , and then touch **ADD**.

Manage Gallery

View Images and Videos

In Gallery, you can view, edit, and share your images and videos, as well as browse the clips automatically generated from them.



The figures are for reference only.

View by Shooting Time

Open **Gallery**. On the **Photos** tab, pinch in on the screen to switch to the monthly view and pinch out to switch to the daily view.

You can also drag the track ball on the edge to view the time.

View by Album

You can view images and videos by album on the **Albums** tab.

Some images and videos are stored in default albums. For example, videos recorded with the camera are saved in the **Camera** album. Screenshots and screen recordings are saved in the **Screenshots** album.

View by Category

Gallery intelligently sorts images into categories, allowing you to quickly sift through large albums by category.

Touch a category album on the **Discover** tab (such as food, portrait, or scenery) to view images in that album.

View Details About Images and Videos

1 In Gallery, touch an image or video to view it in Full screen mode. Touch the screen again to hide the menu.

2 When in Full screen mode, touch ⓘ to view details about the image or video, such as the storage path, resolution, and size.

Change the Sorting Mode of Albums

1 Go to **Gallery** > **Albums** and touch the album you want to set.

2 Go to ••• > **Sort** and select your desired sorting mode.

Show Images and Videos in Albums by Date

1 Go to **Gallery** > **Albums** and touch the album you want to set.

2 Go to ••• > **Show date**. The images and videos in the album will then be displayed by date.

View Images or Videos on Other Devices from Your Phone

With Multi-device browsing, you can browse and search for photos and videos saved on a connected phone or tablet.

- This feature is only available in some countries and regions.
- Before using this feature, ensure that your devices have sufficient power and that the device being connected is near the phone.

1 Enable the following functions on this device and the connected device:
Go to **Settings** > **Device+** > **More settings** > **Multi-Device Gallery** and ensure that **Multi-Device Gallery** is enabled.
If **Multi-Device Gallery** is not displayed in the above path on the phone or tablet, search for and enable **Multi-Device Collaboration** in **Settings**. If neither of the two switches can be found on your device, it indicates that this feature is not supported.

2 Enable Wi-Fi and Bluetooth and log in to the same **HUAWEI ID** on your phone and the device you want to connect to.
After the connection is set up, the **Other devices** tab will be displayed under **Gallery** > **Albums**.

If your phone cannot connect to the target device, connect them to the same router or personal hotspot, log in to the same **HUAWEI ID**, and enable Bluetooth on both devices.

3 Touch the **Other devices** tab to view connected devices. If the device you want to browse from is not connected, touch the device name and initiate a connection as prompted. You can then:

- Browse images or videos: Touch a connected device to view the albums stored on that device.
- Search for images: On the **Albums** tab, enter a keyword (such as "food" or "landscapes") in the search bar. The search results will be displayed by device.
- Save items from other devices to your phone: Touch the target device, touch and hold to select images or videos, then touch .
  The saved items will be displayed in **Gallery** > **Albums** > **From other devices**.

To disable this feature, disable **Multi-Device Gallery**.

Make Quick Searches in Gallery

Quickly Search for Images in Gallery

Quickly locate an image by searching with keywords, such as a date, food, or category, in Gallery.

1 Go to **Gallery**, touch the search bar at the top of the screen, then type in a keyword (such as "food" or "scenery") or touch a suggested word to start searching.

2 Thumbnails of images related to that keyword will be displayed, and more keywords will be suggested. Touch a suggested keyword or enter more keywords for more precise results.

Quickly Search for Videos in Gallery

Your phone automatically analyzes and categorizes videos in Gallery when charging and with the screen off. Suggested keywords will be displayed in the search bar for quick results on related topics.

1 Go to **Gallery**, touch the search bar at the top of the screen, then type in a keyword (such as "food" or "scenery") or touch a suggested word to start searching.

2 Thumbnails of videos related to that keyword will be displayed, and more keywords will be suggested. Touch a suggested keyword or enter more keywords for more precise results.
Key moments of videos in the search results will automatically be played in sequence for you to see a preview.

Screenshots will not be analyzed.

Edit Images

Gallery offers a wide range of editing features for images.

Basic Editing

1 Open **Gallery**, touch the image you want to edit, and then touch . You can then:

- Crop and rotate: Touch **Crop**, select a frame, then drag the grid or its corners to select which part you want to keep. You can drag the image in the frame, or use two fingers to zoom in or out to adjust the displayed part of the image.
  To rotate the image, touch **Crop** and drag the angle wheel to the desired orientation.
  To rotate the image by a certain degree or mirror flip the image, touch or .
- Add a filter effect: Touch **Filter** to select a filter.
- Adjust image effects: Touch **Adjust** to adjust the brightness, contrast, saturation, and other aspects of the image.
- Other: Touch **More** to edit the image in other ways, such as by adding a color splash, blur, doodle, or text element.

When using the **Adjust** or **Filter** feature, you can touch **Compare** to compare the image before and after editing. Comparison is not supported in some editing modes.

2 Touch or to save the edits.

Add Stickers to Images

1 In Gallery, touch an image, then go to > **More** > **Stickers**.

2 Select a sticker and drag it anywhere you like. Touch and hold the dot on the corner of the sticker and drag it to resize the sticker. Touch to delete the sticker.
You can also edit the text in some types of stickers. Touch the editable area which is typically encircled with dash lines to enter the new text.

3 Touch to save your edits and touch to save the image.

Pixelate Images

1 In Gallery, touch an image, then go to > **More** > **Mosaic**.

2 Select a mosaic style and size to cover parts of the image.

3 To remove the mosaic, touch **Eraser** and wipe it off the image.

4 Touch to save your edits and touch to save the image.

Rename Images

1 In Gallery, touch the image thumbnail you want to rename.

2 Go to • • • > **Rename** and enter a new name.

3 Touch **OK**.

Remove Unwanted Objects from Images

1 In Gallery, touch the image you want to edit, then go to > **More** > **Remove**.

2 Choose the size of the eraser that best meets your needs and swipe on the part of the image you want to remove.
It is recommended that you use a smaller eraser to remove finer details (such as power cables).

3 To undo the changes you have made, touch in the upper right corner.

4 Touch to save the changes and touch to save the edited image.

Collage

You can use the collage feature in Gallery to quickly combine multiple images into one for easier sharing.

1 You can access the collage feature in the following ways :

- On the **Discover** tab, touch **Create collage**, select some images, then touch **Create**.
- On the **Photos** or **Albums** tab, touch and hold to select some images, then go to > **Collage**.

2 Select a template. You can then:

- Relocate an image: Touch and hold the image and drag it to a different position.
- Adjust the displayed portion of an image: Slide on the image, or pinch in or out on it so that only the part you want to see is displayed in the grid.
- Rotate an image: Touch the image, then touch to rotate it or to flip it.
- Add or remove borders: By default, borders are displayed between images and along the grid edges. To remove them, touch **Frame**.

3 Touch to save the collage.
To view the saved collage, go to **Albums** > **Collages**.

Share Images and Videos

Open **Gallery** and share an image or video in the following ways:

- Share a single image or video: Touch the image or video, then touch .

- Share multiple images or videos: In an album or on the **Photos** tab, touch and hold to select multiple images and videos, then touch .

Share Your Photos Securely

Before sending a photo, you can choose to delete sensitive information like the location, time, and camera specs.

1 Open **Gallery**.

2 Select one or more photos and touch .

3 Touch the privacy switch in the upper left corner of the screen. In the displayed **Privacy options** dialog box, turn on the **Remove photo info** and **Remove location info** switches, then touch **OK**.

If **Location tag** was disabled when a photo was taken, the **Remove location info** switch will not be displayed in the **Privacy options** dialog box when you share the photo.

Organize Albums

Organize images and videos into albums to easily sift through them.

Add Albums

1 Go to **Gallery** > **Albums**.

2 Touch , name the album, then touch **OK**.

3 Select the images or videos you want to add, and then move or copy them to the album.

Sort Albums

1 Go to **Gallery** > **Albums** > and touch **Sort albums**.

2 Hold and drag next to the albums to adjust the order.

Touch **Reset** or go to > **Reset** to restore the default order.

Adjust the Album Display Style

Go to **Gallery** > **Albums** > , touch **Switch view**, and select an album display style.

Move Images and Videos

1 Open an album, then touch and hold to select the images and videos you want to move.

2 Touch > **Move to album** to select the desired album.

3 Once the items are moved, they will no longer be in their original album.

The **All photos** and **Videos** albums show all images and videos stored on your device. Moving items across albums will not remove them from these albums.

Change Album Covers

1 Go to **Gallery** > **Albums** and touch the album you want to set.

2 Go to ••• > **Change album cover** and select the image you want to set as the album cover.

Delete Images and Videos

Touch and hold to select images, videos, or albums and go to **Delete** > **Delete**.

Some preset albums cannot be deleted, including **All photos**, **My favorites**, **Videos**, and **Camera**.

Deleted images and videos will be temporarily moved to the **Recently deleted** album for a period of time, after which they will be permanently deleted.

To permanently delete images and videos before the retention period expires, touch and hold to select images or videos in the **Recently deleted** album and go to **Delete** > **Delete**.

Recover Deleted Images and Videos

In the **Recently deleted** album, touch and hold to select the items you want to recover, then touch  to restore them to their original albums.

If the original album has been deleted, a new one will be created.

Add Images and Videos to Favorites

Open an image or video, then touch .

The item will appear in both its original album and the **My favorites** album.

Block Albums

Block third-party app albums to prevent them from being displayed in Gallery.

1 In the **Others** list, touch the album you want to block.

2 Go to ••• > **Block this album?**.
Blocked albums can only be viewed in **Files**.

3 To unblock an album, open the **Others** list, touch **View blocked albums**, then touch **Unblock** next to the album.

Only some albums in **Others** can be blocked.

Hide Images and Videos

Keep images and videos in Gallery under wraps and out of view.

Go to **Gallery** > **Albums**. From there, you can:

- **Hide images and videos**: Tap to open an album, touch and hold down to select the images and videos you wish to hide, and then go to ••• > **Hide** > **OK**.

- **View hidden images and videos**: In the **Albums** tab, go to ••• > **Hidden items**.
  You can touch ••• in the **Hidden items** screen to switch to album view, to quickly locate the desired items.
- **Unhide items**: In **Hidden items**, touch and hold down to select the images or videos you wish to unhide, then touch **Unhide**.
  These images and videos will then be restored to their original albums.

Golden Snap

Spruce Up Images with Golden Snap

Enhance Your Images with Functions Such As Brighten and De-mist

1 Open **Gallery**, touch the image that you want to edit, then touch .

2 Touch **Smart** to access the smart editing screen. You can then:

- Perform one-touch automatic optimization: Touch **Auto** for your phone to intelligently optimize the image.
- Brighten the image: Touch **Brighten** to brighten the image.
- Remove blurriness: Touch **De-mist** for your phone to automatically detect and remove blurriness from the image.
- Straighten the image: Touch **Straighten** for your phone to automatically check whether the image is tilted (for example, whether the background horizon line is tilted) and straighten it.

If you want to apply more than one of the aforementioned features to the image, save the image each time you apply a feature.

3 After you have finished editing the image, touch  to save the image to the same album as the original image.

Retouch Images of Documents

If there are shadows in an image of a document, you can use the **Retouch document** function in Gallery to remove them.

1 Open **Gallery**, touch an image of a document, then touch .

2 Go to **Smart** > **Retouch document**. Your phone will then remove the shadows.

3 Touch  and follow the onscreen instructions to save the image to the same album as the original image.

Adjust document

If an image of a document is skewed, you can use the **Adjust document** function in Gallery to straighten the image.

1 Open **Gallery**, touch an image of a document, then touch .

2 Go to **Smart** > **Adjust document** and drag the four corners to select the area to be straightened.

3 Touch . Your phone will then straighten the selected area.

4 Touch  and follow the onscreen instructions to save the image to the same album as the original image.

Smart Photo Categorization

Smart Image Categorization

Gallery automatically sorts your images into categories such as portraits, food, and scenery, so you can quickly find what you're looking for.

Go to **Gallery** > **Discover** to view your images organized into categories.

To remove an image from an album, touch and hold to select the image, then touch  (or  for portraits).

Not all images can be removed from the category albums.

View and Set People Albums

Once you have a sufficient number of images with faces, Gallery will automatically create People albums of individuals or groups by identifying faces in your images. This will happen when your phone is charging and the screen is off.

You can name your People albums and set the relationship of individuals with you to search for images more easily.

1 Go to **Gallery** > **Discover** to view **People** albums.

2 Touch an album, go to • • • > **Edit** and name the album or set the relationship of the individuals with you (such as **Baby** and **Mom**).

3 Touch  to save your settings.

Once you have finished, you can find a People album by entering the name in the search bar.

Group photo albums require a specific number of group photos with faces that have already been named in People albums.

People Album Videos

People Album Videos

Gallery automatically creates **People** albums by identifying faces in images.

View People Album Videos

1 Go to **Gallery** > **Discover** and touch a People album.

2 Touch on the album cover.

Highlights

Introduction to Highlights

Gallery automatically creates **Highlights** albums from your best photos and videos based on time, location, and theme information, and even generates a short video clip so you can walk down memory lane and instantly relive the good times.

- To start using **Highlights**, go to **Camera** > and enable **Location tag**.
- **Highlights** albums are created automatically when your phone is charging and connected to a Wi-Fi network, the screen is turned off, and the battery has sufficient power. It may take a while for the albums to be created.
  Highlights albums will not be automatically generated if there are not enough relevant photos.

View Highlights Videos

1 Go to **Gallery** > **Highlights** and touch an album.

2 Touch to play the video.

Change the Highlights Album Cover

1 On the **Highlights** tab, touch an album.

2 Go to > **Change cover**, select a photo, then touch .

Share Highlights

You can share **Highlights** as videos or images with friends.

Share Highlights videos as videos

1 If you have edited and exported a **Highlights** video, the exported video can be found in **Gallery** > **Albums** > **Video Editor**.

2 You can touch and hold to select the video in **Video Editor** and touch to share it.

Share Highlights videos as images

Touch the **Highlights** video you want to share, then go to > **Share**. Your phone will automatically generate an image for the video and you can follow the onscreen instructions to share it with others.

You can also share the photo under **Gallery** > **Albums** > **Collages**, where the images created for **Highlights** videos are saved by default.

Add or Remove Images or Videos from a Highlights Album

1 In the **Highlights** tab, select a **Highlights** album.

2 You can then:

- Add images or videos: Touch and follow the onscreen instructions to select images or videos to be added to the album.
- Remove images or videos: Touch and hold to select the images or videos you want to remove from the album, touch , then touch **Remove**.

Rename Highlights Albums

1 On the **Highlights** tab, touch an album.

2 Go to > **Rename** and enter a new name.

Delete Highlights Albums

1 On the **Highlights** tab, select a **Highlights** album.

2 Go to > **Delete** and then touch **Delete**.

After you delete a **Highlights** album, it cannot be restored, and the photos and videos in the **Highlights** album will remain in Gallery.

Apps

Contacts

Create and Edit Contact Information

You can create contacts in multiple ways, as well as view and manage your contacts list.

Create Contacts

1. Open **Phone**, touch the **Contacts** tab, and touch +.
   If you are creating a contact for the first time, touch **Create new contact** to start adding a contact.
2. Set a profile picture for the contact, enter information such as the name, organization, and phone number of the contact, then touch ✓.

Import Contacts

1. On the **Contacts** screen, go to ⋮ > **Settings** > **Import/Export**.
2. You could follow the onscreen instructions to import contacts. Such as **Import via Bluetooth**, **Import via Wi-Fi Direct**, **Import from storage**, and so on.

Scan Business Cards to Add Contacts

1. On the **Contacts** screen, go to ⋮ > **Scan** or **Business cards** > **Scan**.
2. Place the business card on a tabletop, hold your phone so that the card appears fully in the viewfinder, select **Single** or **Multiple**, then touch ◎.
3. After capturing the image, your phone will automatically identify information on the card. Touch ✓ to save the contact.

You can view the scanned business cards in **Business cards**.

Scan a QR Code to Add a Contact

If a QR code contains contact information, you can scan the QR code to quickly add a contact.

1. On the **Contacts** screen, go to ⋮ > **Scan** or go to **Business cards** > **Scan**.
2. Take a photo of a QR code or select a photo of a QR code from Gallery, and contact information contained in the QR code can be identified and added.

Merge Duplicate Contacts

1 On the **Contacts** screen, go to ⋮ > **Settings** > **Organize contacts** > **Merge duplicate contacts**.

2 Select duplicate contacts you want to merge and touch **Merge**.

Search for Contacts

1 Open **Contacts**, go to ⋮ > **Settings** > **Display preferences**, and touch **All contacts** to display all your contacts. Ensure that the corresponding icon at the bottom is enabled.

2 On the top of the **Contacts** screen, enter keywords for the contact you want to find in the search box.

Share Contacts

1 On the **Contacts** screen:

- Touch and hold the contact you want to share, then touch **Share contact**.
- Touch the contact you want to share, then go to ⋮ > **Share contact**.

2 Select a sharing method, then follow the onscreen instructions to share the contact.

Export Contacts

1 On the **Contacts** screen, go to ⋮ > **Settings** > **Import/Export**.

2 Touch **Export to storage** and follow the onscreen instructions to export contacts.

The contacts will be exported into **.vcf** files. You can search for and view these **.vcf** files in **Files**.

Delete Contacts

Delete contacts using the following methods:

- Touch and hold the contact you want to delete, then touch **Delete**.
- Touch the contact you want to delete, then go to ⋮ > **Delete contact**.
- On the **Contacts** screen, go to ⋮ > **Settings** > **Organize contacts** > **Delete multiple contacts**, select the contacts you want to delete, then touch 🗑.

To restore a contact, go to ⋮ > **Settings** > **Organize contacts** > **Recently deleted** on the **Contacts** screen, touch and hold to select the contact you want to restore, then touch ↻.

Manage Contact Groups

You can conveniently send emails or messages to multiple contacts by creating and managing contact groups. Your phone automatically groups contacts by company, city, and last contact time, but you can also create new groups based on your preferences.

New Group

1 Open **Phone**, touch the **Contacts** tab, and touch **Groups**.

2 Touch +, enter the group name, such as "Family" or "Friends", then touch **OK**.

3 In a chat group, touch +, follow the onscreen instructions to add contacts to the group, then touch ✓.

Edit a Contact Group

1 On the **Groups** screen, select the group you want to edit and touch + to add a new contact.

2 Touch ••• for **Remove members**, **Group ringtone**, **Delete group**, or **Rename**.

Send Group Messages or Emails

On the **Groups** screen, open a group. You can then:

- Touch 💬 to send a group message.
- Touch ✉ to send a group email.

Delete Contact Groups

On the **Groups** screen, do either of the following to delete a contact group from your phone:

- Touch and hold the group and select **Delete**.
- Touch 🗑, select the groups you want to delete, and touch 🗑.

Create Personal Business Cards and Emergency Information

You can create a business card containing your personal information to share with others. You can also add personal emergency information so you can call for help quickly in an emergency.

Create a Personal Business Card

1 Open **Phone**, touch the **Contacts** tab, and touch **My card**.

2 Set your profile picture and enter personal information, such as your name, work address, and phone number.

3 Touch ✓ to automatically create a QR code business card.
You can share your business card using the QR code.

Add Emergency Information

1 From the **Contacts** screen, go to **My card** > **Emergency information**.

2 Touch **ADD** and set your personal, medical, and emergency contact information.

3 To modify the information, touch ✎ on the **Emergency** screen.

Once you have added emergency contacts and you find yourself in an emergency, access the lock screen for inputting your password, go to **Emergency** > **Emergency information** > **Emergency contacts**, and select an emergency contact to make a call.

Erase Contact Traces

1 Open **Phone**, touch the **Contacts** tab, then touch a contact to erase your contact traces.

2 Go to ⋮ > **Erase history** > **Erase** to delete all call and message records for that contact.

Phone

Make a Call

Dial a Number or Select a Contact to Make a Call

Use either of the following methods to make a call:

- Open **Phone**, enter part of a phone number, the first letter of a contact's name, or a contact's initials to find a contact, then touch to make a call.
- Open **Phone**, touch the **Contacts** tab, then search for a contact or select a contact in the contact list to make a call.

Touch ☎ to end the call.

Use Speed Dial

Once you've set up speed dialing for a contact, you can quickly call that contact with the assigned number key.

1 Go to **Phone** > ⋮ > **Settings** > **Speed dial**, select a number key, then set a contact for this speed dial number.

2 Then you can press and hold this speed dial number to call this contact directly.

Press the Power Button to End a Call

During a call, press the Power button to end the call.

Go to **Phone** > ⋮ > **Settings** > **More**, and enable **Power button ends call**.

Set a Call Background

To set a wallpaper as the call background, do the following:

1 Go to **Settings** > **Home screen & wallpaper** > **Wallpaper**.

2 Select a picture and set it as the wallpaper.

You can also set a profile picture for a contact to be shown on the call background.

1 Open **Phone**, touch the **Contacts** tab, then select a contact.

2 Touch  and then to set a profile picture for the selected contact.

Make an International Call

1 Contact your mobile carrier to activate and inquire about the international calling service.

2 Open **Phone**, touch the **Contacts** tab, then select a contact to make a call.

3 For numbers that are not in the contacts list, open the dialer and hold the **0** number key until the **+** icon is displayed. Enter the country code and phone number, then touch  to make an international call.

Manage Call Logs

You can merge the call logs of the same contact or number for a tidier and more concise interface, or delete call logs as required.

Merge Call Logs

1 Go to **Phone** > > **Settings** > **Merge call log**.

2 Select **By contact** and your phone will automatically merge the call logs of the same number or contact.

View Missed Calls

1 To display all missed calls, open **Phone**, swipe down on the call log list, then touch the **Missed** tab.
All missed calls are displayed in red in the call log list for you to quickly identify them. You can also find them on the **All** screen.

2 Touch  next to a call log entry to call back or send a message.

Delete Call Logs

Delete call logs using any of the following methods:

- On the **Phone** screen, touch and hold an entry, then touch **Delete entry**.
- On the **Phone** screen, go to > **Delete entries**, select the entries you want to delete, then touch **Delete**.

- On the **Phone** screen, swipe left on the entry you want to delete, then touch .

Set a Ringtone

You can set a personalized ringtone for incoming calls depending on your preferences.

If you are carrying your phone in your pocket, the ringtone volume will gradually increase to prevent you from missing important calls.

If your phone has two SIM cards installed, configure the settings for SIM 1 and SIM 2 respectively.

Set a Music Ringtone

1. Go to **Phone** > • • > **Settings** > **Ringtone**.
   Or go to **Settings** > **Sounds & vibration** > **Phone ringtone**.
2. Select a system ringtone, or touch **Music on device** to set a local song as the ringtone.
3. If you select a system ringtone, touch **Vibration** on the same screen, and select **Synchronized (default)**. When there is an incoming call, your phone will vibrate with rhythm while the system ringtone is playing.
   Not all products support a synchronized vibration and ringtone.

Set a Video Ringtone

Set a video as the ringtone for incoming calls on your phone.

1. Go to **Phone** > • • > **Settings** > **Ringtone**.
   Or go to **Settings** > **Sounds & vibration** > **Phone ringtone**.
2. Touch **Video ringtones** and select a video. You can then preview what it looks like for incoming calls.
3. Touch **SET** to set the video as the ringtone.

Set a Ringtone for a Contact

Set a different ringtone for a particular contact to distinguish more easily when that contact is calling you.

1. Open **Phone**, touch the **Contacts** tab, then select the contact you want to set a ringtone for.
2. On the contact details screen, touch **Ringtone** and select a ringtone.

Dial VoLTE HD Calls

Voice over LTE (VoLTE) is an IP-based data transmission technology. With VoLTE enabled, you can enjoy high-quality voice and video calls with fast call connection times.

Enable VoLTE

1 Contact your carrier to activate the VoLTE service for your SIM card. If both the primary and secondary SIM card trays of a dual-SIM phone support VoLTE, it can be enabled for both SIM cards.

2 Go to **Settings** > **Mobile network** > **Mobile data** and enable **VoLTE calls** for SIM 1 or 2.

5G services are only available in some countries and regions.

Make HD Voice or Video Calls

Before making HD voice or video calls, make sure that both parties are using VoLTE-activated devices.

1 Open **Phone**, go to the **Contacts** tab, and select the person you want to dial.

2 Touch to make a VoLTE HD voice call.

3 Touch to make a VoLTE HD video call.

During a voice call. you can touch on the screen to switch to the video call.

Use VoWiFi for a Brand New Calling Experience

The VoWiFi function enables you to make calls on a Wi-Fi network. You can even make VoWiFi calls in Airplane mode.

1 This function requires support from your mobile carrier. Contact your carrier to activate the VoWiFi function.

2 Go to **Phone** > • • • > **Settings** > **Wi-Fi Calling**, then enable **Wi-Fi Calling**.

Manage Incoming Calls

You can use the call waiting feature to answer incoming calls when you are already engaged in a previous call.

If you cannot answer a call because your phone is faulty or the network signal is poor, you can also set call forwarding to forward calls to another number or device.

Answer or Reject an Incoming Call

If you receive a call when the screen is locked:

- Drag right to answer the call.
- Drag left to reject the call.
- Touch to reject the call and reply with a message.
- Touch to set a reminder for calling back.

If you receive a call when the screen is unlocked:

- Touch  to answer the call.
- Touch  to reject the call.
- Touch  to reject the call and reply with a message.
- Touch  to set a reminder for calling back.

Quickly Answer Calls

When a call comes in, you can quickly answer it by raising the phone to your ear. If you're in speaker mode or using Bluetooth earphones, raising the phone will switch to earpiece mode.

Go to **Settings** > **Accessibility features** > **Shortcuts & gestures** > **Answer calls** and make sure that **Answer calls** is enabled.

Enable Call Waiting

The Call waiting feature lets you answer an incoming call when a call is already in progress by placing the first call on hold. This feature requires the support of your carrier. For details, contact your carrier.

Go to **Phone** >  > **Settings** and then go to **More** > **Call waiting**.

If your phone has two SIM cards installed, configure the settings for SIM 1 and SIM 2 respectively.

This feature may vary depending on your carrier.

Answer a New Incoming Call During a Call

1 When you receive an incoming call when you are already engaged in a previous call, touch  to answer it.

2 Touch , or touch a held call in the call list to switch between the two calls.

Enable Call Forwarding

After the Call forwarding feature is enabled, calls that meet your pre-set conditions will be automatically forwarded to a specified phone number. This feature requires the support of your carrier. For details, contact your carrier.

1 Open **Phone**, go to > **Settings**, and touch **Call forwarding**.

2 Select and enable a forwarding method, then enter and confirm the target number. You can cancel call forwarding in the same path.

If your phone has two SIM cards installed, configure the settings for SIM 1 and SIM 2 respectively.

This feature may vary depending on your carrier.

Filter and Block Spam Calls

Set different block rules to block sales, fraud, and other kinds of spam calls.

Filter Spam Calls

1 Go to **Phone** > > **Blocked** > .

Alternatively, go to **Optimizer** > **Blocked** > .

2 Touch **Call block rules** and toggle on the switches of corresponding block rules.

Block Incoming Calls from Specific Numbers

You can block incoming calls from specific numbers using either of the following methods:

- Go to **Phone** >  > **Blocked** >  > **Blocklist**, touch , then add the phone numbers you want to block.
- Open **Phone**, touch the **Contacts** tab, touch the contact you want to block, then choose > **Block contact**.

Set Whether to Receive Notifications for Blocked Calls

Go to **Phone** > > **Blocked** >  > **Receive notifications** and set whether to receive notifications when calls are blocked.

Manage Blocked Calls

On the Blocked screen, you can manage blocked calls, such as by calling back numbers, deleting records, or submitting appeals if a number has been incorrectly marked.

Go to **Phone** > > **Blocked**. You can then:

- Touch a record and select **Call** to call back numbers, select **Add to trustlist** or **Add contact**, or touch **Delete** to delete call records.
- Touch **Clear** to delete blocked calls in batches.
- Touch **Block rules** to change the block rules.

Emergency SOS and Calls

Use Emergency SOS

If you are in an emergency situation, you can quickly and secretly send an SOS message or make an SOS call to your emergency contacts.

1 Go to **Settings** > **Security** > **Emergency SOS**, and touch **Emergency contacts** to add an emergency contact.

2 Enable **Auto-SOS message** and **Auto-SOS call**, and set related permissions as prompted.

Once you have enabled the Emergency SOS feature and you are in an emergency situation, press the Power button five times in quick succession and your phone will automatically send a message with your current location to your emergency contacts. It will also automatically call your emergency contacts one by one and play a pre-recorded SOS message, then end the call automatically.

If **Auto-SOS call** is disabled, after the message is sent, your phone will bring up the emergency call screen, from which you can quickly call an emergency service or one of your emergency contacts.

Make Emergency Calls

In the event of an emergency, you can make emergency calls directly from the lock screen of your phone even if there is no signal.

⚠ The emergency call feature is subject to local regulations and individual mobile carriers. Network issues or other types of interference may lead to emergency calls not working.

1 From the lock screen, access the screen for entering your password, and touch **Emergency**. If you are in an area with a good signal and your phone has an Internet connection, it will automatically obtain your location and display it on the screen.

2 Enter your local emergency number and touch to call the number. Alternatively, touch **Emergency information** and select an emergency contact to call.

Perform In-call Operations

During a call, an in-call menu will be displayed.

- Touch to switch the audio channel to the speaker.
- Touch to start another call. This feature requires the support of your carrier. For details, contact your carrier.
- Touch to use the dialer.
- During a call, you can hide the call screen and access other apps by returning to the previous screen or home screen using the current navigation mode on your phone. To return to the call screen, touch the green icon in the status bar.
- Touch to end a call.

Messaging

Send and Manage Messages

You can send and receive messages that include text, emojis, pictures, audio files, and more. You can also manage your messages in the message list.

Send Messages

1 Open **Messaging** and touch .

2 On the **New message** screen, enter your message content. Touch  to add other types of content such as pictures and audio files.

3 In the recipient box, touch , select contacts or contact groups, then touch .
To send a group message to those not included in your contacts list, touch anywhere blank in the recipient box and enter the recipients' phone number. Touch the return key in the keyboard when you finish entering each of the phone numbers.

4 After finishing editing, touch  to send the message.

Save a Draft Message

From the **New message** screen, touch (depending on your device model) or go back to the previous screen while editing a message to save a draft.

Cancel Sending a Message

On the **Messaging** screen, go to  > **Settings** > **Advanced**, and enable **Recall messages**.

Within six seconds after a message is sent, you can double-tap the message to cancel sending it.

View and Reply to Messages

1 On the **Messaging** screen, select a contact to view your conversations.

2 To reply to a message, enter your message content in the text box, then touch .

Notifications for new messages will be displayed as banners in the notification panel, and you can touch them to reply to messages.

Mark Messages as Read

You can use any of the following methods to mark messages as read:

- New messages will be displayed in the notification panel in the form of a banner and you can mark them as read there.
- On the **Messaging** screen, swipe left on the message that you want to mark as read, then touch .
- On the **Messaging** screen, go to  > **Mark all as read**.

Favorite Important Messages

You can favorite an important message for future use.

Touch and hold a message, select messages to be favorited in a message thread, and go to **More** > **Favorite** or ⋮ > **More** > **Favorite**.

To view the messages you have favorited, open **Messaging** and go to ⋮ > **Favorites**.

Delete a Message

Delete messages using either of the following methods:

- On the **Messaging** screen, swipe left the message to be deleted, then touch .
- Touch and hold a message, select multiple messages you wish to delete, then touch . Deleted messages cannot be recovered.

Filter and Block Spam Messages

Set different block rules, such as your blocklist, to block sales, fraud, and other kinds of spam messages.

Block Spam Messages

1 Go to **Messaging** > ⋮ > **Blocked** > .

Alternatively, go to **Optimizer** > **Blocked** > .

2 Touch **Message block rules** and enable **Block unknown numbers**. Your phone will then block all messages from unknown numbers.

Block Messages from Specific Numbers

1 Go to **Messaging** > ⋮ > **Blocked** >  > **Blocklist**.

2 Touch  and add the numbers you want to block. SMS and MMS messages sent by these numbers will all be blocked.

Block Messages Containing Specific Keywords

1 Go to **Messaging** > ⋮ > **Blocked** >  > **Keyword blocklist**.

2 Touch  and add the keywords to be filtered. All messages containing these keywords will be blocked.

To unblock messages that contain a specific keyword, touch and hold the keyword in the **Keyword blocklist** and touch **Remove**.

Set Whether to Receive Notifications for Blocked Messages

Go to **Messaging** > ⋮ > **Blocked** >  > **Receive notifications** and set whether to receive notifications when messages are blocked.

Manage Blocked Messages

On the Blocked screen, you can manage blocked message, such as by deleting records, restoring messages, or submitting appeals if a number has been incorrectly marked.

Go to **Messaging** > ••• > **Blocked**. You can then:

- Touch a record and select **Restore to messages** to restore this message to the Messaging app. Touch **Add to trustlist** to add the number corresponding to this message to the trustlist. Touch **Delete** to delete the message record.
- Touch **Clear** to delete blocked messages in batches.
- Touch **Block rules** to change the block rules.

Use Chat Messages

Chat Messages is a mobile data-based instant messaging service. Integrating the functions of both SMS and MMS messages, it provides you with a new and convenient way of communicating.

Chat Messages supports sending a variety of content, such as text, pictures, voice and video clips, and location information.

- This feature may vary depending on your carrier.
- This feature is only available in some countries and regions.

Enable Chat Messages

1 To use Chat messages, enable the VoLTE service first. For details, contact your carrier.

2 Switch to mobile data on your phone, then go to **Messaging** > ••• > **Settings** > **Chat**, and enable **Chat**.

Enabling Chat messages requires mobile data. You can then chat either over mobile data or Wi-Fi after the feature is enabled.

Send Various Types of Content via Chat Messages

1 After you have enabled the Chat message service, access **Messaging** again.

2 Touch +, then touch to select one or more contacts. You can then use Chat messages to perform the following:

- Send a voice message: Go to > **Touch and hold to record** and start recording a voice message. Release the button to send the message or swipe up to cancel.
- Send an emoji: Touch , select an emoji, then touch .
- Send a photo: Go to > to take a photo, or go to > to select an existing photo.

- Send a video: Go to  >  >  to record a video, or go to  >  to select an existing video.
- Send a location: Go to  > , follow the onscreen instructions to select a location, then touch .
- Send a business card: Go to  > , touch , select the contact whose business card you want to send, then touch .
- Send an event: Go to  >  >  and select an event.
- Send music: Go to  >  >  and select the music you want to send.
- Send a file: Go to  > , touch , select the file you want to send, then touch .

To switch from Chat messages back to normal messages, go to  > **Switch to SMS/MMS** on the chat thread screen.

Create a Group Chat

Create a group chat in the following ways:

- On the **Messaging** screen, go to  > **New group chat**, then follow the onscreen instructions to create a group chat.
- On a chat screen with a contact, go to  > **New group chat**, then follow the onscreen instructions to create a group chat.

In addition to sending instant voice messages, pictures, videos, emojis, locations, business cards, and files, you can also forward and share content from chat logs. Voice messages can be shared, but cannot be forwarded.

Manage a Chat Group

You can view and manage chat groups according to your preferences.

1 On the **Messaging** screen, go to  > **Chat groups**.

2 Select a chat group and go to  > **Group details**. On the **Group details** screen, you can:

- Manage contacts in the group.
- Set your nickname in the group.
- Turn message notifications off for the group.

- Exit the group.

MeeTime

Use MeeTime to Make Calls

Use MeeTime to make high-quality video or voice calls with contacts who have Huawei devices (such as phones and tablets), and share your screen during calls.

Thanks to the GPU Turbo technology, the video call resolution will be optimized automatically when the network signal is weak. With intelligent algorithms, the other party can see your face clearly even when making a video call at night or in dark environments.

- Please make sure your device has been updated to the latest system version.
- This feature is only available in some countries and regions.
- If your phone is not pre-installed with the **MeeTime** app, download it from **AppGallery**.

Charges for MeeTime

- MeeTime only uses Wi-Fi or mobile data and will not be charged as calls by your carrier. It is recommended that you use this feature over a Wi-Fi network.
- If you need to make a video call using mobile data, you can perform the following to save on the amount of mobile data you use: On the **MeeTime** screen, touch your profile picture in the upper right corner to access the **Settings** screen, then turn on the **Data saver** switch.

Make a High-quality Video or Voice Call

Use MeeTime to make smooth and high-quality calls between Huawei devices such as phones and tablets. You can enjoy clear video calls even in dark environments and adjust the beauty level during video calls.

1 Open **MeeTime** and follow the onscreen instructions to activate and enable it.

2 In the **MeeTime** app, go to **Contacts** > **MeeTime**, and touch or next to a contact who has enabled **MeeTime** on their devices to make a high-quality video or voice call.

3 During a video call, touch the screen and then touch > to access the **Soften** function. Drag the slider left or right to adjust the beauty level.

- For better video calls, keep your phone within 1 meter (3.3 feet) of you and ensure that you are in a bright environment.
- The beauty level adjustment feature is only supported by some products.

4 You can touch and then perform the following:

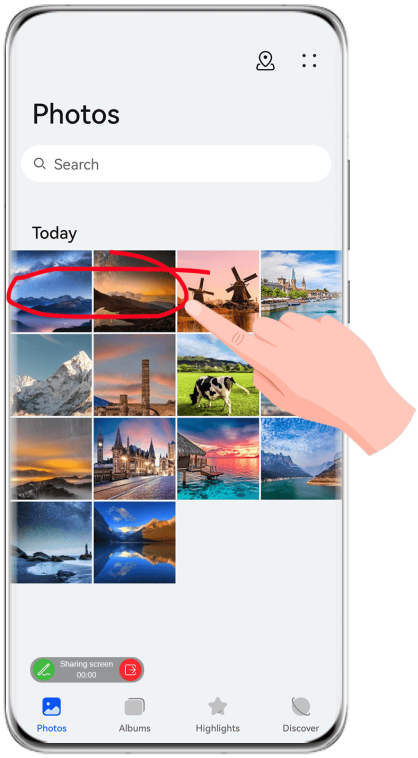
- Touch to mute MeeTime.

- Touch to use the speaker.
- Touch to switch to a voice call.
- Touch to share the screen.

To view or manage your call logs, touch **Calls**.

Share Your Phone Screen During a MeeTime Call

During a MeeTime video call, you can share your screen with the other party and doodle on the screen. The other party will then be able to view your screen and your doodles on it.



1 During a video call, touch the screen, go to > , and follow the onscreen instructions to share your screen.

While sharing your screen, touch to start doodling on your screen.

2 Touch to exit screen sharing.

Set MeeTime Phone Numbers

You can use MeeTime with more than one of your phone numbers.

1 On the **MeeTime** screen, touch your profile picture icon in the upper right corner to access the **Settings** screen.

2 Touch **Number settings**. You can then:

- Touch to add another phone number if only one phone number has been linked.

- Touch to delete any numbers or add new ones if multiple phone numbers have been linked.
- In the list of **Outgoing number (this device)**, select one of the added phone numbers to set it as the default number.

Calendar

Use Events

Events help you schedule activities in your daily and work life, such as attending company meetings, arranging social get-togethers, and making credit card repayments. You can add events and set reminders to help you arrange your schedule in advance.

Add an Event

1 Open **Calendar** and touch .

2 Enter the details of the event, such as the title, location, and start and end times.

3 Touch **Add REMINDER** to set a time for the event reminder.

4 When you are finished, touch .

Search for an Event

1 On the **Calendar** screen, touch .

2 Enter keywords of your event in the search box, such as the title and location.

Share an Event

1 Open **Calendar**, then touch an event on a calendar screen or under the schedule tab.

2 Touch to share the event however you prefer when prompted.

Delete an Event

On the **Calendar** screen, touch the event you want to delete, then touch .

Set a Calendar Notification

Set the calendar notification type according to your requirements. You can set status bar notifications, banner notifications, and ringtone notifications. After setting the default reminder time, your phone will send a notification at the specified time.

Go to **Calendar** > > **Settings**.

- Touch **Default reminder time** or **Reminder time for all-day events** to set a reminder time.

- Touch **Notifications** and enable **Allow notifications**. Then follow the onscreen instructions to set a notification type.

Customize Calendar View Settings

You can customize calendar view settings, such as by specifying the start day of the week, and whether to show week numbers.

1 Go to **Calendar** > ⋮ > **Settings**.

2 Select the start day of the week, or enable the switch to show week numbers.

Set Alternate Calendars

You can switch to other calendars, such as the Chinese lunar calendar or the Islamic calendar.

Go to **Calendar** > ⋮ > **Settings** > **Alternate calendars**, and select a calendar you want to use.

Clock

Set Alarms

You can set alarms to play a sound or vibrate at specific times.

Add an Alarm

1 Go to **Clock** > **Alarm**, then touch ⊕ to add an alarm.

2 Follow the onscreen instructions to set the alarm ringtone, repeat cycle, ring duration, and snooze duration.

3 Touch ✓ to save the settings.

Modify or Delete an Alarm

Touch an existing alarm to modify or delete it.

Snooze an Alarm

If you don't want to get up when an alarm rings, simply touch the snooze button or press the Power button.

The snooze length is set when creating the alarm.

Turn Off an Alarm

When an alarm rings, swipe left or right on the button that appears at the bottom of the screen to turn it off.

Use the Timer or Stopwatch

You can use the timer to count down from a specified time. You can also use the stopwatch to measure the duration of an event.

Timer

Go to **Clock** > **Timer**, set the duration of time, and touch to start the timer. To stop it, touch .

Stopwatch

Go to **Clock** > **Stopwatch**, and touch to start the stopwatch. To stop it, touch .

View the Time in Cities Worldwide

Use **Clock** to see the local time in different time zones around the world.

Go to **Clock** > **World clock**, touch , and enter the name of a city or select one from the list of cities.

Display Dual Clocks on the Lock Screen

When you are away from your home time zone, use **Dual clocks** to display the time of both your home city and current location on the lock screen.

Go to **Settings** > **System & updates** > **Date & time**, enable **Dual clocks**, and set a **Home city**. The time of your home city and current location will now both display on the lock screen.

Only one clock will display on the lock screen if your current location is in the same time zone as your home city.

Notepad

Create a Note

To help you quickly keep a track of your thoughts and inspirations, you can create notes using the Handwrite (to write or draw the content) and Scan document modes, or in conjunction with Multi-Screen Collaboration.

Add Content to a Note

1 Go to **Notepad** > **Notes** and touch .

2 Enter the title and content of the note. You can then perform the following:

- Touch to add a checklist.

- Touch to change the text style, paragraph alignment, and background.
- Touch to insert a picture. Touch and hold the picture, then drag it to the desired position in the note.
- To organize your notes for easier access and viewing, categorize a note after finishing it.

3 Touch to save the note.

Add a Note by Scanning Documents

1 Open **Notepad** and go to **Notes** > > > **Scan document**.

2 Align your device camera with the picture or file you want to scan and touch to start scanning. The scanned pages are saved in Notepad.

3 Go to **Extract text** > **Save** > **Save images and text** > to save the note.

If your phone does not have this option, it indicates that this feature is not supported.

Create Notes by Scanning Certificates or Cards

You can scan certificates or bank cards for future use and add watermarks to prevent theft.

1 Open **Notepad** and go to **Notes** > > > **Add card**.

2 Point the camera to the certificate or bank card you want to scan, and touch to scan it one by one or consecutively. Touch to preview the scanned copies.

3 (Optional) If you manually unskew the scanned copies, touch to preview them again.

4 To add a watermark to the scanned copies, touch **Full-screen watermark** or **Single watermark**.

5 Touch to insert the modified scanned copy into the note.

6 Touch to save the note.

Add a Handwritten Note

You can add a handwritten note to write down thoughts and inspirations that would be difficult to convey through text.

1 Go to **Notepad** > **Notes** and touch .

2 Touch to write or draw the content you want to note down in the selected color.

3 Touch to save the note.

Create Notes by Sharing

You can share web pages, images, text, and other content from other apps to Notepad.

Not all apps support this feature.

1 Open the content you want to share (such as a web page, image, or text) in an app that supports the sharing feature.

2 Touch the Share button and select **Notepad**.

3 Follow the onscreen instructions to save the shared content to an existing note or create a new note.

Create To-dos

You can create to-dos to keep a track of day-to-day essentials, such as daily shopping lists, tasks at work, and household chores.

Add a To-do Item and Set a Reminder

You can add a to-do item and set a time reminder for it.

If you have marked the to-do item as important, you will be prompted with a full-screen reminder when the screen is locked.

1 Go to **Notepad** > **To-dos** and touch .

2 Enter your to-do item.

3 Touch , set a reminder time, then touch **OK**.

4 Touch to mark the to-do item as important.

5 Then touch **Save**.

Set Repeated Reminders for a To-do Item

If you specify a time for a to-do item, you can select a repeat mode for it (for example, **Never**, **Every day**, **Every week**, **Every month**, or **Every year**), and your phone will repeatedly prompt you to complete the to-do item at the specified time.

Manage Your Notepad

You can sort your Notepad items by category and put them into different folders, delete unwanted items, and share items with other people.

When viewing a list of items or an individual item in Notepad, touch the status bar at the top of the screen to quickly return to the first item or the beginning of the item you are viewing.

Use App Lock for Notepad or Lock a Note

You can apply App Lock to Notepad or set a password for a note to protect your privacy.

Enable the app lock for Notepad: Go to **Settings** > **Security** > **App Lock**, enter the lock screen password or customize the app lock password as prompted, and then turn on the switch next to Notepad.

Lock a note: Open the note you need to lock in Notepad, go to ••• > **Add lock**, and follow the onscreen instructions. To unlock your note, go to ••• > **Remove lock**.

If your device supports fingerprint or face unlock, you can use fast authentication by performing the following: Go to **Notepad** > ••• > **Settings** > **Note lock**, then enable **Unlock with Fingerprint ID** and **Unlock with Face Recognition**.

Sort Notepad Items by Category

You can sort the Notepad items into different folders by category and add labels in different colors.

Sort Notepad items using the following methods:

- On the **All notes** screen, swipe left on a note, select  or  to move this note to the top, or add a star icon to it.
- On the **All notes** or **All to-dos** screen, swipe left on an item, touch , and select a category for it.
- Touch and hold a note or to-do item, select the ones you want to classify under the same category, then touch  to move them to the target category.

Items in an Exchange account cannot be moved.

Sync Notepad Items

Sync Exchange email data: You can sync the data in your Exchange account to Notepad to record important events anytime and anywhere.

1. Log in to Exchange on your phone.
2. Swipe down from the Exchange mail list to sync the notes and tasks from your Exchange account to Notepad. The corresponding notes and to-do items will then be generated automatically.
   A folder named after the Exchange account will also be automatically generated for easy management.

Share Notepad Items

You can share Notepad items in the following ways:

- To share a single note or to-do item, open the one you want to share from the **All notes** or **All to-dos** screen, then touch  and share it as prompted.
  Notes can be shared by touching **As image**, **As text**, **Export as document**, or **To another device**.

Handwritten notes do not support **Export as document**, and other types of notes can be exported into TXT or HTML files when using **Export as document**. You can view saved notes as follows: Open **Files**, search for and touch **Documents**, then touch **Notepad**.

- To share multiple notes, access the **All notes** screen, touch and hold a note, select the ones you want to share, then touch and share them as prompted.

Print Notepad Items

1 On the **All notes** screen, open the item you want to print.

2 Go to > **Print**, then select a printer and configure printing settings as prompted.

Delete Notepad Items

You can delete Notepad items using either of the following methods:

- On the **All notes** or **All to-dos** screen, swipe left on an item, and touch to delete it.
- Touch and hold a note or to-do item you want to delete, select or drag over the check boxes of any other notes or to-do items you want to delete as well, then touch .

To restore a deleted Notepad item, touch **All notes** or **All to-dos**, select the item you want to restore in **Recently deleted**, then touch .

Recorder

Recorder

Recordings:

1 Open **Recorder**, touch , and start recording.

2 While recording, you can also touch **Tag** to add tags to the recorded track.

3 Touch to end the recording.

4 Touch and hold down, or swipe left on the recording file, to perform more actions, such as sharing or editing the recording.

Viewing or playing your recordings:

To view or play a recording, perform either of the following:

- Open **Recorder** to bring up a list of all of your recorded files on the home page of the **Recorder** app. Touch to play the file of interest.
- Open **Files**, then search for and access **Sounds** to view and play your recordings.

Edit and Share Recording Files

On the home page of **Recorder**, touch a recording to access its details screen. From there, you can:

Edit a recording:

1 Touch **Edit**, and drag the start and end bars to adjust the length of the clip.

2 Touch **Trim** and follow the onscreen instructions to complete cropping.

Share a recording:

1 Go to ••• > **Share**.

2 Select your preferred sharing method, and follow the onscreen instructions to share the recording.

Edit a Recording

1 On the **Recorder** home screen, touch a recording.

2 Touch **Edit** to display the waveform of the recording.

3 Drag the start and end bars to adjust the clip length. Pinch your fingers on the waveform to zoom in or out to adjust the clip length more precisely.

4 Touch **Trim** and select **Keep selected part** or **Delete selected part**.

Share Recordings

1 On the **Recorder** home screen, touch the recording you want to share.

2 Go to ••• > **Share**.

3 Select your preferred sharing method and follow the onscreen instructions to share the recording.

Email

Add Email Accounts

Add your email account in the **Email** app to start using your phone for convenient email access.

1 Open **Email** on your phone, then select the default email or select from the available mailbox providers.

2 Enter your email address and password (or a separate password or authentication code), touch **Log in**, and follow the onscreen instructions to complete configuration. The system will automatically connect to the server and check the server settings.

Use Emails

Select an email account, then write an email and send it to the recipient's email addresses.

Edit and Send Emails

1 Open **Email** and touch .

2 Enter the recipient's email address, or touch  to select a contact or group, then touch .

3 Touch  and add the addresses of any recipients to whom you wish to CC or BCC the email.
If you have more than one email account, you will also need to select the email address you wish to send the email from.

4 Write the email, enter the subject, then touch .

Save an Email as a Draft

On the **Compose** screen, enter the recipient's email address, subject, or email content, and touch  to save the email as a draft.

To view draft emails, go to **Inbox** > **Show all folders** > **Drafts**.

Reply to an Email

1 On the **Inbox** screen, open the email you wish to reply to.

2 Touch  to reply to the email sender, or touch  to reply to everyone in the thread.

3 After writing your reply, touch .

Set Encryption for Outgoing Emails

You can encrypt outgoing emails to protect your confidential information. Encrypted emails can only be viewed by recipients who have the required digital certificates, thereby ensuring information security.

1 Apply for and install a digital certificate.
You need to apply for a digital certificate from a trusted third-party certificate authority (CA) before installing it. The processing procedure varies between different CAs. For details, refer to the relevant CA website.

2 From the **Inbox** screen, go to  > **Settings**.

3 Touch the account you want to set encryption for, touch **Email encryption**, then enable **Encrypt outgoing emails**.

4 If the certificate has been installed, select **Encryption certificate** and set **Encryption algorithm** according to your preferences.
If no certificate has been installed, enable **Send encrypted emails without installing certificates**.

Set Email Notifications

Set a notification mode for your emails as needed.

1 Go to **Email** > • • > **Settings** > **General** > **Notifications**, and enable **Allow notifications**.

2 Select the email account you want to set notifications for, turn on the **Allow notifications** switch, then select a notification mode.

View and Manage Emails

Receive, view, and manage your emails in the inbox.

View Emails

1 Open **Email**, then swipe down on the **Inbox** screen to refresh the email list.
If you have multiple email accounts, touch **Inbox** and select the email account you want to view. You can also view files in the **Unread** or **Sent** folder on the **Folders** list.

2 Open an email, then view, reply to, forward, or delete the email.

If you are notified about an important event in an email, go to • • > **Add to calendar** to import the event into your calendar.

3 Swipe left or right on the email screen to view the previous or next email.

Add an Email Contact to a Group

You can create email groups to communicate more efficiently.

1 On the **Inbox** screen, open an email and go to ⌄ > **Add to group**.

2 Add the email sender or recipient to the group and touch **OK**.

3 On the group selection screen, select an existing group, then touch ✓ to save the contact in the group.
Alternatively, touch **Create group**, enter the group name, then touch **Save**.

Once you have created a group, you can select the group from the recipient drop-down list to send emails to group members.

Sync Emails Automatically

After automatic email syncing is enabled, the emails on your phone will be automatically synced with those on the email server.

1 From the **Inbox** screen, go to • • > **Settings**.

2 Touch the account you wish to sync emails for, then turn on the **Sync email** switch.

3 Touch **Sync frequency** to set the automatic syncing period.

Search for Emails

On the **Inbox** screen, touch the search box, then enter keywords such as the subject or content of the email.

Mark Important Emails

Mark an email as important for further actions or future reference with a star.

Open **Email** and touch the  icon next to any email to mark it as important.

Touch an email box, such as **Inbox**, and find the **Starred** folder in the **Folders** list to check starred emails. Touch  next to an email to unmark it.

Switch Email Display Mode

You can switch between two email display modes based on your preference.

On the **Inbox** screen, touch • • and select **Conversation view** or **List view**.

Emails are displayed in **List view** by default. Some operations may not be supported after switching to **Conversation view**.

Delete Emails

On the **Inbox** screen, touch and hold the email you want to delete, touch any other emails you want to delete as well, then touch .

Manage Multiple Email Accounts

You can add and manage multiple email accounts.

Add Multiple Email Accounts

1 Go to **Email** > • • > **Settings** > **Add account**.

2 Select an existing email service provider or enter a new email address and password to add an email account.

Switch Between Email Accounts

On the **Inbox** screen, touch **Inbox** and select the email account you wish to use.

Change Account Name and Signature

On the **Inbox** screen, go to • • > **Settings**, select an account, and set the corresponding **Account name**, **Signature**, and **Default account**.

Log Out of an Email Account

On the **Inbox** screen, go to • • > **Settings**, select an account, and touch **Remove account**.

Manage VIP Contacts

Important email contacts can be added as VIP contacts. Emails from VIP contacts will be automatically stored in the VIP inbox.

Add a VIP Contact

You can add VIP contacts using either of the following methods:

- Go to **Email** > ••• > **Settings** > **VIP contacts**. On the **VIP list** screen, choose **Add** > **Create**, or touch **Add from contacts**.
- Open an email, touch the receiver or sender, then touch **Add to VIP list** in the pop-up dialog.

Delete a VIP Contact

1 Go to **Email** > ••• > **Settings** > **VIP contacts**.

2 On the **VIP list** screen, touch .

3 Select the VIP contact you want to delete, then touch .

Calculator

Calculator

Use the calculator on your phone to perform basic mathematical calculations and for calculating exponential, logarithmic, and trigonometric functions.

Use Calculator

You can open Calculator in the following ways :

- Swipe down from the middle of the home screen to display the search box and search for **Calculator**. The first result will be the pre-installed **Calculator** app.
- Swipe up from the bottom of the lock screen to display the shortcut panel, then touch .
- To use the scientific calculator, go to ••• > **Scientific**.

  The scientific calculator is only supported on certain device models.

Copy, Delete, or Clear Numbers

- Copy a calculation result: Touch and hold the calculation result, touch **Copy**, then paste the result somewhere else, such as in a note or message.
- Delete the last digit: Touch .
- Clear the display: Touch C. You can also touch  to clear the display after touching to complete the calculation.

Flashlight

Flashlight

You can turn on or turn off the flashlight in the following ways:

- Swipe down from the upper right edge of the screen to display **Control Panel**, touch to expand the shortcut switches panel, and touch **Flashlight** to turn on or turn off the flashlight.
- Swipe up from the bottom edge of the lock screen to display the shortcut panel, and touch  to turn on or turn off the flashlight.

When the flashlight is turned on, a notification indicating that it is turned on will be displayed on the lock screen. Touch  to turn off the flashlight.

Compass

Compass

View Directions and Coordinates Using Compass

Compass shows you the direction your phone is pointing, as well as your current longitude and latitude.

1 You can open Compass in the following ways:
   - Swipe down from the middle of the home screen to display the search box and search for **Compass**. The first result will be the preinstalled **Compass** app.
   - Find **Compass** in the **Tools** folder.

2 You can view directions and coordinates in the following ways:
   - If you hold your phone flat, the Compass screen will display a dial together with the direction your phone is pointing and your current coordinates.
   - If you hold your phone upright, the Compass screen will display the viewfinder of the rear camera on your phone, together with the direction your phone is pointing and your current coordinates.

To lock your current direction, touch the compass dial. The dial marks will turn blue if you go off course.

For more accurate bearings, hold your phone flat or upright when using Compass.

View Atmospheric Pressure and Altitude Using Compass

In Compass, you can view the atmospheric pressure and altitude in the following ways:

- If you hold your phone flat, the Compass screen will display a dial together with the atmospheric pressure and altitude of your current location.
- If you hold your phone upright, the Compass screen will display the viewfinder of the rear camera on your phone, together with the atmospheric pressure and altitude of your current location.

For more precise altitude data, touch  and enable **Online altitude calibration**.

App Twin

Enable App Twin

App Twin allows you to log in to two app accounts at the same time, such as for WhatsApp, so you can easily keep work and your private life separate.

Only certain apps support **App Twin**.

Go to **Settings** > **Apps** > **App Twin** and turn on the switch for the app that you want to create a twin of.

The twin app will then be displayed on the home screen.

Optimizer

Clean Up Phone Storage

You can use **Cleanup** in **Optimizer** to scan for redundant or large files, such as app residue, unwanted installation packages, WeChat data, and more. Once detected, you can choose whether or not to delete files as suggested.

1 Open **Optimizer**, then touch **Cleanup**.

2 When the scan is complete, touch **Clean up** after each item and delete any files you don't need.

Automatically Clean Up System Trash

1 Open **Optimizer**, and touch **Cleanup**.

2 Swipe down from the top of the screen, and your phone will automatically clean up system trash.

Manually Clean Up System Trash

In addition to automatic cleanup, your phone will also detect and recommend trash files for you to clean up manually.

On the **Cleanup** screen, touch **Clean up** next to a category, select the items you want to clean up, then touch **DELETE**.

Clean Up Duplicate Files

Optimizer can identify duplicate files on your phone.

On the **Cleanup** screen, touch **Duplicate files**, then select unwanted files to delete them.

Manage Data Usage

Open **Optimizer**, then touch **Data usage** to view data usage and manage network access.

View and Manage High Data Consumption Apps

1 You can find out how much data your apps are using in comparison to each other by going to **Data usage this month** on the Data usage screen.

2 Touch a high data consumption app to set mobile data, roaming data, or background data usage limits for it.

View and Set the Network Access Permission of an App

On the Data usage screen, touch **Network access**, then change the settings for apps that consume a large amount of data (such as video streaming apps) so they can only be used when you are connected to a Wi-Fi network.

Enable or Disable Smart Data Saver

Enable Smart Data Saver to prevent apps from using mobile data in the background.

1 On the Data usage screen, touch **Smart Data Saver**, then enable it. The  icon will then display in the status bar.

2 If you want to allow unrestricted access to data for some apps even when they are running in the background, toggle on the switches for these apps.

Add Mobile Data Usage Reminders

Add data plans for your SIM cards and usage reminders in **Optimizer** to keep you informed of your data consumption.

1 On the **Data usage** screen, go to **More data settings** > **Monthly data limit** and follow the onscreen instructions to add a data plan.

2 On the **More data settings** screen, touch **Usage reminders**. From there, you can set whether a notification will be sent or if mobile data will be disabled once the monthly data limit or roaming data limit has been topped.

3 On the **More data settings** screen, you can set whether to **Show data used when the screen is locked**.

Filter and Block Spam Calls

Set different block rules to block sales, fraud, and other kinds of spam calls.

Filter Spam Calls

1 Go to **Phone** > > **Blocked** > .

Alternatively, go to **Optimizer** > **Blocked** > .

2 Touch **Call block rules** and toggle on the switches of corresponding block rules.

Block Incoming Calls from Specific Numbers

You can block incoming calls from specific numbers using either of the following methods:

- Go to **Phone** >  > **Blocked** >  > **Blocklist**, touch , then add the phone numbers you want to block.
- Open **Phone**, touch the **Contacts** tab, touch the contact you want to block, then choose  > **Block contact**.

Set Whether to Receive Notifications for Blocked Calls

Go to **Phone** >  > **Blocked** >  > **Receive notifications** and set whether to receive notifications when calls are blocked.

Manage Blocked Calls

On the Blocked screen, you can manage blocked calls, such as by calling back numbers, deleting records, or submitting appeals if a number has been incorrectly marked.

Go to **Phone** >  > **Blocked**. You can then:

- Touch a record and select **Call** to call back numbers, select **Add to trustlist** or **Add contact**, or touch **Delete** to delete call records.
- Touch **Clear** to delete blocked calls in batches.
- Touch **Block rules** to change the block rules.

Filter and Block Spam Messages

Set different block rules, such as your blocklist, to block sales, fraud, and other kinds of spam messages.

Block Spam Messages

1 Go to **Messaging** >  > **Blocked** > .

Alternatively, go to **Optimizer** > **Blocked** > .

2 Touch **Message block rules** and enable **Block unknown numbers**. Your phone will then block all messages from unknown numbers.

Block Messages from Specific Numbers

1 Go to **Messaging** >  > **Blocked** >  > **Blocklist**.

2 Touch + and add the numbers you want to block. SMS and MMS messages sent by these numbers will all be blocked.

Block Messages Containing Specific Keywords

1 Go to **Messaging** > ⋮ > **Blocked** > ⚙ > **Keyword blocklist**.

2 Touch + and add the keywords to be filtered. All messages containing these keywords will be blocked.

To unblock messages that contain a specific keyword, touch and hold the keyword in the **Keyword blocklist** and touch **Remove**.

Set Whether to Receive Notifications for Blocked Messages

Go to **Messaging** > ⋮ > **Blocked** > ⚙ > **Receive notifications** and set whether to receive notifications when messages are blocked.

Manage Blocked Messages

On the Blocked screen, you can manage blocked message, such as by deleting records, restoring messages, or submitting appeals if a number has been incorrectly marked.

Go to **Messaging** > ⋮ > **Blocked**. You can then:

- Touch a record and select **Restore to messages** to restore this message to the Messaging app. Touch **Add to trustlist** to add the number corresponding to this message to the trustlist. Touch **Delete** to delete the message record.
- Touch **Clear** to delete blocked messages in batches.
- Touch **Block rules** to change the block rules.

One-Touch Optimization

Use the **OPTIMIZE** feature of **Optimizer** to keep your phone in an optimal state.

1 Open **Optimizer**, and touch **OPTIMIZE**.

2 Wait until **Optimizer** finishes checking your phone and provides you with the optimization results.

Phone Clone

Use Phone Clone to Move Data to Your New Device

Phone Clone lets you quickly and seamlessly move all the basic data (including contacts, calendar, images, and videos) from your old phone to your new phone.

Migrate Data from a Huawei or Other Android Device

1. On your new phone, open the **Phone Clone** app, or go to **Settings** > **System & updates** > **Phone Clone**, touch **This is the new device**, and select **Huawei** or **Other Android**.
2. On your old device, follow the onscreen instructions to download and install **Phone Clone**.
3. On the old device, open the **Phone Clone** app, touch **This is the old device**, and follow the onscreen instructions to connect the old device with your new device by scanning a code or connecting manually.
4. On your old device, select the data you want to clone, then touch **NEXT** > **TRANSFER** to start cloning.

You can search for Android versions that support **Phone Clone** in **AppGallery** and view more information on the app details screen.

Migrate Data from an iPhone or iPad

1. On the new phone, open the **Phone Clone** app, or go to **Settings** > **System & updates** > **Phone Clone**, touch **This is the new device**, and select **iPhone/iPad**.
2. Follow the onscreen instructions to download and install **Phone Clone** on your old device.
3. On the old device, open the **Phone Clone** app, touch **This is the old device**, and follow the onscreen instructions to connect the old device with your new device by scanning a code or connecting manually.
4. On your old device, select the data you want to clone, then follow the onscreen instructions to complete the data cloning.

You can search for iOS versions that support **Phone Clone** in **App Store** and view more information on the app details screen.

Settings

Search for Items in Settings

Quickly Find What You're Looking For

Tired of trudging through layers of settings? Just search for them using the search box.

- Swipe down from the middle of the screen to display the search box. Enter the name of a setting to obtain search results.
- Open **Settings** and enter the name of a setting in the search box at the top of the screen to obtain search results.

Wi-Fi

Introduction to Wi-Fi

Connecting to the Internet over Wi-Fi is an effective way to save mobile data. You can also enable Wi-Fi security monitoring to avoid risky hotspots and ensure safe Internet access.

Connect to a Wi-Fi Network

⚠ Be extra careful when connecting to a free public Wi-Fi hotspot to avoid security risks and financial losses resulting from the leakage of your personal data.

1 Go to **Settings** > **Wi-Fi**, and enable **Wi-Fi**.

2 Connect to a Wi-Fi network on the **Wi-Fi** screen using either of the following methods:

- Select a Wi-Fi network to connect to under **Available**. A password is required for encrypted networks.
- To manually add a Wi-Fi network, scroll down to the bottom of the screen, touch **Add network**, and enter the SSID and password as prompted to complete the connection.

The  icon displayed in the status bar indicates that the phone is connected to Wi-Fi.

Transfer Data Using Wi-Fi Direct

You can use Wi-Fi Direct to transfer data between Huawei devices. Wi-Fi Direct allows you to transfer large files to a nearby device more quickly than Bluetooth and without having to pair the devices.

1 On the receiving device, go to **Settings** > **Wi-Fi** and enable **Wi-Fi**.

2 Then go to **More settings** > **Wi-Fi Direct** to start searching for nearby devices that have enabled Wi-Fi Direct.

3 On the sending device, touch and hold to select the files you want to share, touch , and select **Wi-Fi Direct**.

These steps may be different if you are sharing files directly from an app.

4 Touch the icon of the receiving device to establish a connection, then share the files.

5 On the receiving device, accept the Wi-Fi Direct transfer request.

Then search for and access the **Wi-Fi Direct** folder in **Files** to view the received files.

Select a Network Using Wi-Fi+

When Wi-Fi+ is enabled, if your phone detects a Wi-Fi network that it has previously connected to or is free, it will automatically enable Wi-Fi and connect to the network. Your phone will also evaluate the quality of the current Wi-Fi network and switch to mobile data if the Wi-Fi signal is poor.

1 Go to **Settings** > **Wi-Fi**.

2 Touch **More settings** > **Wi-Fi+** and enable or disable **Wi-Fi+**.

Mobile Network

Connect to Mobile Data

Connect to a mobile network to enjoy smooth Internet access anytime and anywhere.

Enable Mobile Data

1 Subscribe to mobile data services for your SIM card first.

2 Connect to the mobile network using the following methods:

- Swipe down from the upper right edge of the screen to display **Control Panel**, touch to expand the shortcut switches panel, then enable **Mobile data**.
- Go to **Settings** > **Mobile network** > **Mobile data** and enable **Mobile data**.

To save battery power and mobile data, disable the mobile data service when you don't need it.

Switch Between Dual SIMS

After inserting two SIM cards in your phone, you can use a shortcut switch to quickly switch between the two SIMs.

1 Swipe down from the upper right edge of the screen to display **Control Panel**, touch to expand the shortcut switches panel, then enable **Mobile data**.

2 Touch the text under , select the target SIM in the displayed window, and touch **OK**.

Configure Dual SIM Settings

If your phone has two SIM cards inserted, you can set the default mobile data SIM and the default calling SIM, and enable call forwarding between the two SIM cards.

This feature applies to dual-SIM devices only.

Set the Default Mobile Data and Default Calling SIM Cards

Go to **Settings** > **Mobile network** > **SIM management** and set SIM 1 or SIM 2 as the default mobile data or default calling SIM card.

Enable Call Forwarding Between SIM Cards

After enabling call forwarding for both SIM cards, if incoming calls cannot reach one of the SIM cards, they will be forwarded to the other one.

This feature requires the support of your carrier. For details, contact your carrier.

1. Go to **Settings** > **Mobile network** > **SIM management** > **Call forwarding between SIMs**.
2. Select a call forwarding mode and turn on the corresponding switch.
   Call forwarding between two SIM cards will be enabled when it is configured for both SIM cards.

Share Your Network Connection with Other Devices

Once **Personal hotspot** has been enabled, you can share your mobile data or the Wi-Fi network your phone is currently connected to with other devices.

Share Your Network via Personal Hotspot

- The settings items vary by device. If your phone does not provide a specific item, it indicates that the corresponding feature is not supported.
- Some Wi-Fi networks that require authentication cannot be shared.

Go to **Settings** > **Mobile network** > **Personal hotspot**, and enable **Personal hotspot**. The mobile data or Wi-Fi network connection of your phone will then be shared with other devices.

You can also perform the following for the personal hotspot:

- Set **Device name**.
- Set **Password**.
- Touch **Connected devices** to view the connected devices list and blocklist. Touch a device in the **Connected devices** list to move it to the **Blocklist** list as prompted. You can also remove a device from the list.
- If you are sharing a mobile data network, you can also touch **More** to set **Data limit** and **AP band**.

Share Your Network via Bluetooth

1. Go to **Settings** > **Bluetooth**, and enable **Bluetooth**. Select a device, then follow the onscreen instructions to complete pairing.

2 Go to **Settings** > **Mobile network** > **Personal hotspot** > **More**, and enable **Bluetooth tethering**.

3 On the **Bluetooth** settings screen of the paired device, touch  next to the name of your device, then enable **Internet access** to share your network.

Share Your Network via USB

1 Use a USB cable to connect your phone to your computer.

2 On your phone, go to **Settings** > **Mobile network** > **Personal hotspot** > **More**, and enable **USB tethering** to share your mobile data or the currently connected Wi-Fi network.

Dial VoLTE HD Calls

Voice over LTE (VoLTE) is an IP-based data transmission technology. With VoLTE enabled, you can enjoy high-quality voice and video calls with fast call connection times.

Enable VoLTE

1 Contact your carrier to activate the VoLTE service for your SIM card. If both the primary and secondary SIM card trays of a dual-SIM phone support VoLTE, it can be enabled for both SIM cards.

2 Go to **Settings** > **Mobile network** > **Mobile data** and enable **VoLTE calls** for SIM 1 or 2.

5G services are only available in some countries and regions.

Make HD Voice or Video Calls

Before making HD voice or video calls, make sure that both parties are using VoLTE-activated devices.

1 Open **Phone**, go to the **Contacts** tab, and select the person you want to dial.

2 Touch  to make a VoLTE HD voice call.

3 Touch  to make a VoLTE HD video call.

During a voice call. you can touch  on the screen to switch to the video call.

Manage Data Usage

Open **Optimizer**, then touch **Data usage** to view data usage and manage network access.

View and Manage High Data Consumption Apps

1 You can find out how much data your apps are using in comparison to each other by going to **Data usage this month** on the Data usage screen.

2 Touch a high data consumption app to set mobile data, roaming data, or background data usage limits for it.

View and Set the Network Access Permission of an App

On the Data usage screen, touch **Network access**, then change the settings for apps that consume a large amount of data (such as video streaming apps) so they can only be used when you are connected to a Wi-Fi network.

Enable or Disable Smart Data Saver

Enable Smart Data Saver to prevent apps from using mobile data in the background.

1 On the Data usage screen, touch **Smart Data Saver**, then enable it. The  icon will then display in the status bar.

2 If you want to allow unrestricted access to data for some apps even when they are running in the background, toggle on the switches for these apps.

Add Mobile Data Usage Reminders

Add data plans for your SIM cards and usage reminders in **Optimizer** to keep you informed of your data consumption.

1 On the **Data usage** screen, go to **More data settings** > **Monthly data limit** and follow the onscreen instructions to add a data plan.

2 On the **More data settings** screen, touch **Usage reminders**. From there, you can set whether a notification will be sent or if mobile data will be disabled once the monthly data limit or roaming data limit has been topped.

3 On the **More data settings** screen, you can set whether to **Show data used when the screen is locked**.

Enable Data Roaming

Once you have activated the international roaming service, you can enable this feature to use mobile data when traveling abroad.

- This feature requires the support of your carrier. For details, contact your carrier.
- Charges may apply when using the international roaming service. For details about how data roaming fees are charged, contact your carrier.

Go to **Settings** > **Mobile network** > **Mobile data**, and enable **Data roaming**.

If your phone has two SIM cards installed, configure the settings for SIM 1 and SIM 2 respectively.

More Connections

Enable or Disable Airplane Mode

When taking a flight, you can enable Airplane mode to comply with airline requirements. In Airplane mode, your phone will not be able to make or answer calls, send or receive SMS messages, or use mobile data, but all other functions will be available.

You can enable or disable Airplane mode using the following methods:

- Swipe down from the upper right edge of the screen to display **Control Panel** and touch to expand the shortcut switches panel. Enable or disable **Airplane mode**.
- Go to **Settings** > **Mobile network** and enable or disable **Airplane mode**.

When Airplane mode is enabled for the first time, Wi-Fi and Bluetooth will be disabled automatically.

You can re-enable Wi-Fi or Bluetooth if allowed to do so by the airline. The settings will be saved and take effect the next time you enable Airplane mode on your phone.

Project Your Phone Screen Wirelessly

Project your phone wirelessly to stream movies and work on a bigger screen (such as a TV).

Different display devices support different projection protocols. Therefore, the projection method may vary. Choose a suitable method based on the protocol supported by your device.

For details about the supported projection protocols, refer to the product manual or contact the product manufacturer.

1. Ensure that the DVKit/Cast+/Miracast switch or the projection switch is enabled on the display device. For details about how to turn on the switch, refer to the product manual or contact the product manufacturer.
2. Swipe down from the upper right edge of your phone to display **Control Panel** and touch .
3. In **Control Panel**, touch to expand the shortcut switches panel and touch **Wireless Projection**. Your phone will then start searching for available external displays.
   You can also go to **Settings** > **More connections** > **Easy Projection** to enable **Wireless projection**.
4. Touch the device that you want to project your phone to from the detected devices.

By default, after the connection is successful, banner notifications for incoming calls, messages, and alarms, and Multi-Window are only displayed on your phone instead of the external display. To show notifications on the external display, touch and turn off the switch for **Hide notifications**.

The Hide notifications feature is only supported on certain device models.

To exit wireless projection, go to > **Disconnect**.

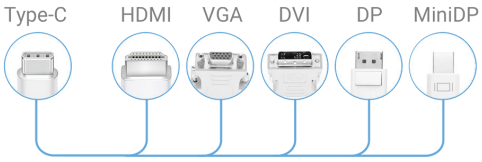
Phone Projection Using a Wired Connection

You can project your phone screen on a large display (for example, a TV) using a wired connection.

It is recommended that you purchase the accessories from authorized channels.

Projection Using a Type-C Cable

1 Prepare a Type-C cable.
Use a Type-C to HDMI, Type-C to DP, or Type-C to MiniDP cable depending on your large display.



2 Connect the Type-C end to your phone and the other end to the large display.



3 On the external display, set the corresponding HDMI, DP, or MiniDP input as the signal source.

Projection Using a Docking Station

You can use a docking station to connect your phone with a large display, and connect them with a wired keyboard and mouse.

1 Prepare a docking station.
Multiple types of ports are available on a docking station. If the large display supports HDMI and you need to use a wired mouse and keyboard, use a docking station with at least one HDMI port and two USB ports.



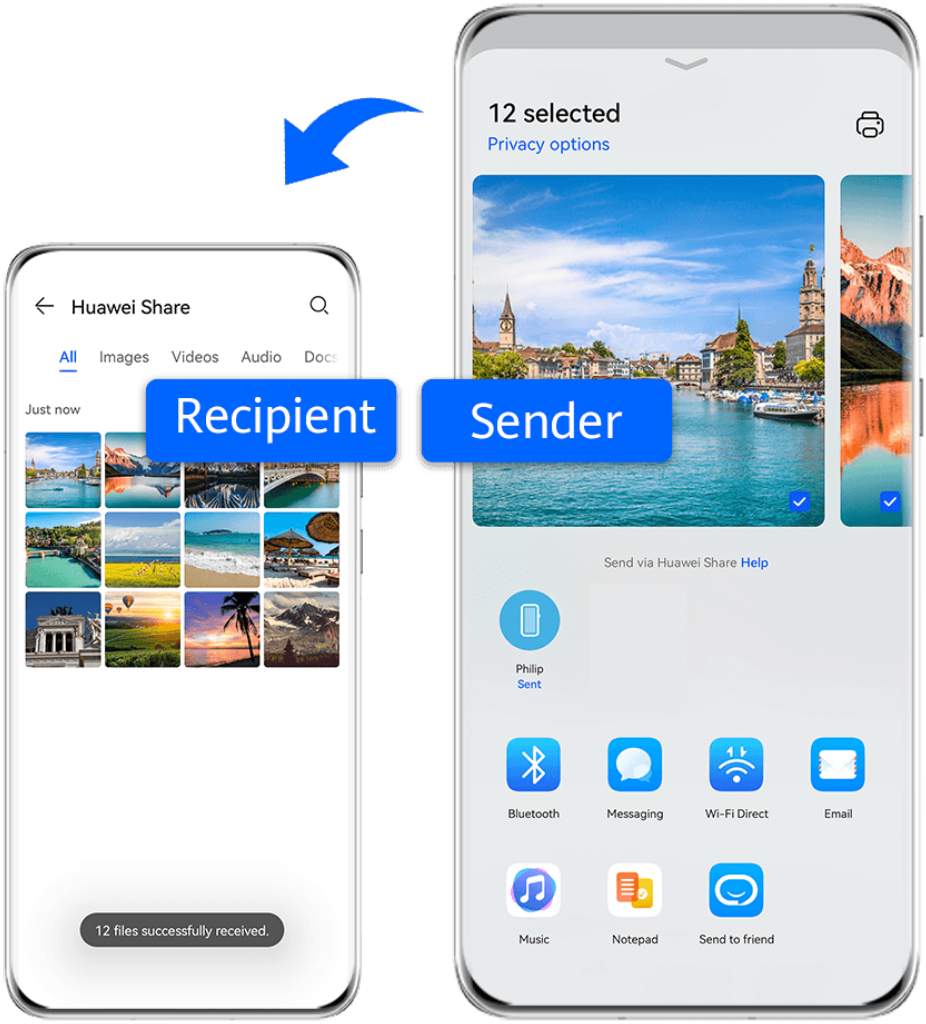
2 Connect your phone and the large display to the docking station, then connect the wired mouse and keyboard to the docking station.



3 On the external display, set the corresponding HDMI, DP, or MiniDP input as the signal source.

Share Local Files Between Phones

You can use Huawei Share to quickly share files between Huawei phones. The recipient can preview the files before agreeing to accept them and view the full content of the files after receiving them. For example, the recipient can view received pictures and videos in Gallery.



The figures are for reference only.

1 On the receiving device, enable **Huawei Share**.

2 On the sending device, touch and hold to select the files you want to share, then touch . Touch **Huawei Share**, then touch the icon of the receiving device to send the file.

These steps may be different if you are sharing files directly from an app.

3 On the receiving device, touch **ACCEPT** to accept the transfer.

Then open **Files** to view the received file.

You can also view the received images or videos by going to **Gallery** > **Albums**.

Share Files Between Your Phone and Computer with Huawei Share

You can use **Huawei Share** to easily share files wirelessly between your phone and a computer (Windows or macOS).

Share Files from Your Phone to Your Computer

Share files from your phone to your computer using Huawei Share. You can then easily access the shared folders on your phone from your computer.

1 Make sure your phone and computer are connected to the same Wi-Fi network.

2 On your phone, access the **Huawei Share** settings, then enable **Huawei Share** and **Computer share**.

3 Make a note of the name displayed next to **Name shown on computers** as well as the user name and password under **Verification on computers**.

4 Perform the following operations on a Windows-based computer (desktop or laptop) or a macOS-based computer (laptop):

- Windows: Go to **This PC (Computer)** > **Network**.
- macOS: Go to **Finder** > **Go** > **Network**.

  Currently, this feature is only available on Macs running macOS 10.8 to 10.14.

5 On your computer, double-click the name of your phone and enter the user name and password that you made a note of.

6 Open a shared folder, such as the **Internal storage** or **Album** folder, to view, edit, or copy files from your phone to your computer or vice versa.
Changes made to files in the shared folders on your computer will be automatically synced to your phone and vice versa.

Share Files Between Your Phone and Computer

You can use Huawei Share to share files between your phone and computer.

1 Swipe down from the upper right edge of your phone to display **Control Panel**, touch to expand the shortcut switches panel, then enable **Huawei Share**.

2 Open PC Manager on your computer and enable **Huawei Share**.

You can transfer files in the following ways:

From your phone to your computer:

1 On your phone, touch and hold to select files to be transferred, then touch **Share**.

2 From the device list, select the name of the target computer.

3 In the displayed dialog box on your computer, click **Accept**.

4 After the transfer is successful, the folder where the transferred files are saved will be automatically opened on your computer for your easy access.

From your computer to your phone:

- Transfer by sharing

  1 On the computer, right-click the files to be transferred and select **Huawei Share**.

  2 From the device list that pops up, select your phone.

  3 In the displayed dialog box on your phone, touch **ACCEPT**.

- Transfer by dragging

  1 Select the file to be transferred and drag it to the corresponding phone on the Huawei Share screen.

  2 In the displayed dialog box on your phone, touch **ACCEPT**.

Ensure that PC Manager is running version 11.1 or later.

Print Images and Documents

Connect your phone to a Mopria-certified printer via Wi-Fi, and then you will be able to print images and documents from your phone.

Connect Your Phone to a Printer

1. Check the printer manual or consult with its manufacturer to verify that it is Mopria-certified.
   If it is not, consult with its manufacturer to install the corresponding app or plug-in for it on your phone.
2. Connect your phone and the printer to the same Wi-Fi network using any of the following methods:
   - Connect to a Wi-Fi router: Enable Wi-Fi on the printer and connect it to the Wi-Fi router. On your phone, go to **Settings** > **Wi-Fi**, enable **Wi-Fi**, touch the same Wi-Fi router, and follow the onscreen instructions to complete the settings.
   - Connect with Wi-Fi Direct: If your printer supports Wi-Fi Direct, follow the instructions in the printer manual to enable this feature. On your phone, go to **Settings** > **Wi-Fi**, enable **Wi-Fi**, go to **More settings** > **Wi-Fi Direct**, then touch the printer to establish the connection.
   - Connect to your printer's hotspot: If your printer can double as a wireless hotspot, follow the instructions in the printer manual to enable the hotspot and set a password. On your phone, go to **Settings** > **Wi-Fi**, enable **Wi-Fi**, touch the printer's hotspot, then follow the onscreen instructions to complete the settings.
3. Go to **Settings** > **More connections** > **Printing** > **Default Print Service**, and enable **Default Print Service**.
4. Select the printer from the search results and follow the onscreen instructions to add the printer.

Print Files

To print files in **Gallery** and **Notepad**, do the following:

- Print an image: Open **Gallery**. Open the image you want to print, go to • • • > **Print or export to PDF**, select the printer, then follow the onscreen instructions to complete the printing.
- Print a note: Open **Notepad**. Open the note you want to print, touch • • • > **Print**, then follow the onscreen instructions to complete the printing.

Connect to a VPN Network

A virtual private network (VPN) is a temporary connection that extends a private network across a public network, encrypting data transmission to provide security.

When working outside the office, you can use a VPN to securely access your company's Intranet.

Connect to a PPTP Server

1. Obtain the required data such as the VPN server name and address from your VPN server administrator.
2. Go to **Settings** > **More connections** > **VPN** > **Add VPN network**, enter the VPN name, set the server type to **PPTP**, then enter the server address.
3. If the VPN server does not have a DNS address, touch **Show advanced options** and enter the DNS domain, DNS server address, and forwarding route.
4. Touch **Save**.
5. Touch the VPN you have just set up, enter your VPN user name and password, then touch **Connect**.

Connect to an L2TP/IPSec PSK Server

1. Obtain the VPN server name, server address, L2TP key (optional), IPsec identifier (optional), and IPsec pre-shared key from your VPN server administrator.
2. Go to **Settings** > **More connections** > **VPN** > **Add VPN network**, enter the VPN name, set the server type to **L2TP/IPSec PSK**, then enter the server address, L2TP key, IPSec identifier, and IPSec pre-shared key.
3. If the VPN server does not have a DNS address, touch **Show advanced options** and enter the DNS domain, DNS server address, and forwarding route.
4. Touch **Save**.
5. Touch the VPN you have just set up, enter your VPN user name and password, then touch **Connect**.

Home Screen & Wallpaper

Manage the Home Screen Layout

You can customize the home screen layout to suit your phone usage habits.

Move an App Icon on the Home Screen

Touch and hold an app icon and drag it to the desired position on the home screen.

Keep Home Screen Icons Aligned

Pinch two fingers together on the home screen to access **Home screen settings** mode, then enable **Auto-align**. With this feature enabled, empty spaces will automatically be filled when apps are removed.

Lock Home Screen Icon Positions

Pinch two fingers together on the home screen to access **Home screen settings** mode, then enable **Lock layout**.

Select the Home Screen Layout Pattern

Pinch two fingers together on the home screen, go to **Home screen settings** > **Layout**, then select a layout pattern you prefer.

Set Your Home Screen in Settings

You can also go to **Settings** > **Home screen & wallpaper** > **Home screen settings**, then enable **Auto-align** and more.

Put App Icons in Folders

For easy management of your app icons on the home screen, you can put similar apps in a folder and name the folder.

1 Touch and hold an app icon and drag it over another icon to create a new folder.

2 Open a folder, touch its name, then enter a new name for it.

Add App Icons to a Folder or Remove Them

Open a folder, then touch .

You can then perform the following operations:

- Select one or more apps, and touch **OK** to add them to the folder.
- Deselect one or more apps, and touch **OK** to remove them from the folder. If you deselect all apps, the folder will be deleted.

Use App Drawer to Store Apps

You can put your apps in a drawer and display only frequently used apps on your home screen to streamline your home screen.

Enable App Drawer

Go to **Settings** > **Home screen & wallpaper** > **Home screen style**, and select **Drawer**.

Once enabled, you can swipe up on the home screen to access all of your apps in the drawer.

Add Apps in the Drawer to the Home Screen

In Drawer mode, you can swipe up on the home screen to display the Drawer. You can then touch and hold an app to drag it to the desired position on the home screen.

Move Apps Back to the Drawer

In Drawer mode, you can move an app from the home screen back to the Drawer by touching and holding this app, then touching **Remove**. This operation will only remove the app icon from your home screen but will not uninstall it.

You can still find it in the Drawer.

Disable the App Drawer

To disable the App Drawer, set **Home screen style** to **Standard**.

Display & Brightness

Adjust the Screen Brightness, Color Mode, and Color Temperature

You can set the screen brightness, color mode, and color temperature according to your preferences.

Automatically Adjust the Screen Brightness

Go to **Settings** > **Display & brightness**, and enable **Automatic**.

Your phone will automatically adjust the screen brightness according to the ambient lighting conditions.

Manually Adjust the Screen Brightness

You can manually adjust the screen brightness using the following methods:

- Swipe down from the upper right edge of the screen to display **Control Panel**. In the section, drag the slider to adjust the screen brightness.
- Go to **Settings** > **Display & brightness**. In the section, drag the slider to adjust the screen brightness.

Adjust the Color Mode

Go to **Settings** > **Display & brightness** > **Color mode & temperature**, and select the color mode that you prefer. **Normal** mode will be easier on your eyes and is therefore recommended.

- **Normal**: natural color tones
- **Vivid**: vivid color tones

Adjust Color Temperature

Go to **Settings** > **Display & brightness** > **Color mode & temperature** and adjust the color temperature as required. It is recommended that you select **Default** or **Warm**, as they are more soothing to the eye.

- **Default**: Displays a natural tint
- **Warm**: Displays a yellowish tint
- **Cool**: Displays a whitish tint
- You can touch anywhere on the color circle or drag the spot to adjust the color temperature.

Use Eye Comfort Mode

Eye comfort mode can effectively reduce harmful blue light and adjust the screen to display warmer colors, relieving eye fatigue and protecting your eyesight.

Enable or Disable Eye Comfort Mode

- Swipe down from the upper right edge of the screen to display **Control Panel** and touch to expand the shortcut switches panel. Enable or disable **Eye Comfort**. Touch and hold **Eye Comfort** to access the settings screen.
- Go to **Settings** > **Display & brightness** > **Eye Comfort** and enable or disable **Enable all day**.

Once Eye Comfort mode is enabled,  will be displayed in the status bar, and the screen will take on a yellow tint since less blue light is being emitted.

Set a Schedule for Eye Comfort Mode

Go to **Settings** > **Display & brightness** > **Eye Comfort**, enable **Scheduled**, then set **Start** and **End** according to your preferences.

Adjust the Blue Light Filter in Eye Comfort Mode

Go to **Settings** > **Display & brightness** > **Eye Comfort**, enable **Enable all day** or set up **Scheduled**, and adjust the slider under **Filter level** to customize how much blue light you would like to be filtered.

Enable Dark Mode

You can enable Dark mode to apply a darker color scheme, which helps prevent excessive screen light from irritating your eyes and saves battery power.

Go to **Settings** > **Display & brightness** > **Dark mode**, and follow the onscreen instructions to set the related configurations.

Adjust Text Style Settings

You can adjust the system text size and app display size, as well as the text style.

Text Size and Weight

Go to **Settings** > **Display & brightness** > **Text size and weight** and drag the sliders to adjust the **Text size** or **Text weight**.

The text size and weight adjustment feature is unavailable in certain countries and regions.

Enlarge or Reduce Display Size

Display size determines the size of content (including text and images) displayed within apps.

Go to **Settings** > **Display & brightness** > **Display size**, and drag the slider for **Display size**.

Use Smart Screen Resolution

Go to **Settings** > **Display & brightness** > **Screen resolution** and select **Smart Resolution**. Your device will automatically adjust the screen resolution according to the current running status.

Set the Screen Resolution

Go to **Settings** > **Display & brightness** > **Screen resolution**, and select a screen resolution according to your preferences. A higher screen resolution will result in a clearer display, but will consume more power.

Adjust the Screen Refresh Rate

Go to **Settings** > **Display & brightness** > **Screen refresh rate**, and select a screen refresh rate that you would like to use.

A high screen refresh rate will help deliver a smoother visual experience.

Full Screen Display

Apply Full Screen Display

- Most apps installed on your phone will automatically adapt to display correctly in full screen.
- For apps that don't, go to **Settings** > **Display & brightness** > **More display settings** > **Full-Screen Display**, and toggle on their switches. Enabling **Full-Screen Display** may cause some apps to display incorrectly, for instance, by being improperly stretched.

Show the Notch

1. Go to **Settings** > **Display & brightness** > **More display settings** > **Cutout**, and select **Auto**.
2. If you want to show or hide the notch for a specific app, touch **Custom**, select the app, then select one of the following options:
   - **Auto**
   - **Show cutout**
   - **Hide cutout**

Hide the Notch

You can darken the surrounding area at the top of the screen to hide the notch.

Go to **Settings** > **Display & brightness** > **More display settings** > **Cutout** and select **Hide cutout**.

Display Carrier Name and Network Speed in the Status Bar

You can check the carrier name and network speed with a single glance at the status bar.

Go to **Settings** > **Display & brightness** > **More display settings**, and enable or disable **Display carrier name** and **Display network speed** according to your preferences.

Switch Between Portrait and Landscape Orientation

Swipe down from the upper right edge of the screen to display **Control Panel** and touch to expand the shortcut switches panel. Then enable **Auto-rotate**.

Sounds & Vibration

Do Not Disturb Mode

Do Not Disturb helps you prevent interruptions when you need to focus. When this mode is enabled, calls and messages will be muted and banner notifications will not be displayed.

Enable or Disable Do Not Disturb

You can enable or disable Do Not Disturb using the following methods:

- Swipe down from the upper right edge of the screen to display **Control Panel** and touch to expand the shortcut switches panel. Enable or disable **Do Not Disturb**. You can touch and hold **Do Not Disturb** to access the settings screen.
- Go to **Settings** > **Sounds & vibration** > **Do Not Disturb** and enable or disable **Do Not Disturb**.

Once Do Not Disturb is enabled, a moon icon ( ) will be displayed in the status bar. To check for notifications, swipe down from the status bar to open the notification panel, or go to the lock screen. Swipe left on a notification and touch to snooze the notification.

When receiving incoming calls, notifications, and messages, your phone will be muted and will not automatically turn on its screen or display banner notifications.

Set a Schedule for Do Not Disturb

1 Go to **Settings** > **Sounds & vibration** > **Do Not Disturb** and disable **Do Not Disturb**.

2 In the **Scheduled** list, enable the switch next to a time period for when you want to enable Do Not Disturb. Your phone will then enter Do Not Disturb mode at the specified time.

3 You can touch the time segment to customize the parameters, such as changing the time range and adjusting the repeat frequency.

4 Touch **Add** to add a new time period.

Make Exceptions in Do Not Disturb Mode

While in **Do Not Disturb** mode, you can enable your phone to ring for calls and messages from certain sources so you don't miss anything important.

Go to **Settings** > **Sounds & vibration** > **Do Not Disturb**, and enable **Do Not Disturb** or **Scheduled**. Then you can:

- Touch **Calls** or **Messages** and select one of the options. If you set an exception, your phone will ring for calls or messages from the selected source.
- Once **Repeated calls** is enabled, a second call from the same number within 15 minutes will not be silenced.

Set a Ringtone

You can set a personalized ringtone for incoming calls depending on your preferences.

If you are carrying your phone in your pocket, the ringtone volume will gradually increase to prevent you from missing important calls.

If your phone has two SIM cards installed, configure the settings for SIM 1 and SIM 2 respectively.

Set a Music Ringtone

1 Go to **Phone** > • • • > **Settings** > **Ringtone**.
Or go to **Settings** > **Sounds & vibration** > **Phone ringtone**.

2 Select a system ringtone, or touch **Music on device** to set a local song as the ringtone.

3 If you select a system ringtone, touch **Vibration** on the same screen, and select **Synchronized (default)**. When there is an incoming call, your phone will vibrate with rhythm while the system ringtone is playing.

Not all products support a synchronized vibration and ringtone.

Set a Video Ringtone

Set a video as the ringtone for incoming calls on your phone.

1 Go to **Phone** > • • • > **Settings** > **Ringtone**.
Or go to **Settings** > **Sounds & vibration** > **Phone ringtone**.

2 Touch **Video ringtones** and select a video. You can then preview what it looks like for incoming calls.

3 Touch **SET** to set the video as the ringtone.

Set a Ringtone for a Contact

Set a different ringtone for a particular contact to distinguish more easily when that contact is calling you.

1 Open **Phone**, touch the **Contacts** tab, then select the contact you want to set a ringtone for.

2 On the contact details screen, touch **Ringtone** and select a ringtone.

Set a Notification Tone for a Specific App

You can set a notification tone for certain apps by performing the following:

1 Go to **Settings** > **Apps** > **Apps**.

2 Select an app (such as **Notepad**).

3 Go to **Notifications** > **To-do notifications** > **Notification sound**.

4 You can then perform the following operations:

- Set a notification tone
  Select a preset tone, or touch **Music on device** to select a locally saved song.
- Set a vibration pattern
  Touch **Vibration** and select your preferred type of vibration.
  When **Synchronized (default)** or **Synchronized** is selected(depending on your device model), your phone will vibrate based on the rhythm of the tone.
  For other options, the vibration pattern of your phone is fixed.

Sound Booster

Sound Booster uses the microphone on your phone to pick up sound and then wirelessly transmit it to a Bluetooth headset, or to a Bluetooth speaker to amplify the sound.

For example:

- When your family are watching TV, you can use Sound Booster on your device to transmit the audio playback to a Bluetooth headset to help someone with a hearing impairment to hear more clearly. To transmit the sound to the headset, simply place your phone underneath your TV.
- In a noisy environment, your phone can be used as a microphone and connected to a Bluetooth speaker for sound amplification.

1 Connect your phone to a Bluetooth headset or a Bluetooth speaker.

2 Go to **Settings** > **Sounds & vibration** > **Sound Booster** on your phone and enable **Sound Booster**. Touch the headset or speaker name that you want to connect to on the displayed paired device list on your phone and follow the onscreen instructions to finish connecting.

3 Place your phone near the sound source when using a Bluetooth headset. When connected to a Bluetooth speaker, keep the microphone of your phone near the sound source.

4 Wear the headset or place the speaker in a suitable position. Keep the speaker or headset within 10 meters of your phone.

Enable Huawei Histen Sound Effects

Huawei Histen sound effects, with 3D surround sound support, deliver vibrant and crisp sound to create an immersive audio experience.

Huawei Histen sound effects are only available when a headset is plugged in.

Go to **Settings** > **Sounds & vibration** > **Huawei Histen sound effects** and select an option:

- **Auto**: Automatically identifies what you are playing and intelligently applies sound effects to optimize your experience.
- **3D audio**: Delivers 3D spatial sounds.
- **Natural**: Faithfully reproduces the original sounds.
- **Standard**: Requires less power for audio playback. You can also customize equalizer settings yourself to achieve the exact sound you are looking for.

Auto, **3D audio**, and **Standard** modes allow you to select a headset type so you can match the sound effects to your headset.

Selecting a headset type is available only when a 3.5 mm-jack headset is plugged in. If your phone does not have a 3.5 mm jack, use an original Huawei headset adapter.

Notifications

App Badges

When new notifications arrive for an app, a numbered badge will appear on the app icon. You can also set a dot as the badge, or hide the badge for some or all apps.

Turn Off App Badges

1 Go to **Settings** > **Notifications**, and touch **App icon badges**.

2 Turn off the switch for some or all apps.

Change the Badge Display Mode

On the **App icon badges** screen, touch **Badge display mode**, and select **Numbers** or **Dots** according to your preference.

Disable App Notifications

Disable Notifications from a Specific App

If you do not want to be disturbed by notifications from an app, perform either of the following:

- After you receive a notification from the app, swipe left on it in the notification panel, and go to  > **Disable notifications**.
- Go to **Settings** > **Notifications**, locate and touch the app for which you want to disable notifications, then disable **Allow notifications**.

Disable Notifications from Apps in Batches

To disable notifications from multiple apps at a time, go to **Settings** > **Notifications** > **Manage all**, and turn off the switch next to each app.

Hide Content of Notifications on the Lock Screen

To enable this feature:

Go to **Settings** > **Notifications**, and enable **Hide notification content**.

More App Notification Settings

Set the App Notification Mode

Go to **Settings** > **Notifications** and select an app. You can then set its notification mode.

- Enable **Gentle notifications**: Notifications will only be displayed in the notification panel. There will be no banners, lock screen notifications, or status bar icons, and your phone will not ring or vibrate.
- Enable **Lock screen** and **Banners**.
- Set **Notification sound**: You can change the notification tone, set the vibration pattern, or select **None**.
- Enable **Allow interruptions**: You can still receive notifications from this app even if Do not disturb is enabled.

This feature may vary by device.

Notifications Turn on Screen

Go to **Settings** > **Notifications** > **More notification settings**, and enable **Wake screen**. Your phone will then automatically turn on the lock screen when it receives a notification.

Show Notification Icons in the Status Bar

Go to **Settings** > **Notifications** > **More notification settings**, and enable **Show notification icons in the status bar**.

Biometrics & Password

Set Fingerprints

You can enroll a fingerprint and then use it to unlock the screen and access your Safe, App Lock, and more.

Enroll an In-Screen Fingerprint

1. Go to **Settings** > **Biometrics & password** > **Fingerprint ID**, and follow the instructions to set or enter the lock screen password.
2. Touch **New fingerprint** to begin enrolling your fingerprint.
3. Place your fingertip on the in-screen fingerprint sensor. When you feel a vibration, lift your finger then press again. Move your finger around to enroll different parts of it.
4. When the enrollment has been completed, touch **OK**.

When the screen is locked, lift your phone and the in-screen fingerprint sensor will appear. You can now place your finger on the fingerprint sensor to unlock the screen.

Rename or Delete a Fingerprint

1. Go to **Settings** > **Biometrics & password** > **Fingerprint ID** and enter your lock screen password.
2. In the **Fingerprint list** section, touch an enrolled fingerprint to rename or delete it.

Fingerprint Identification

Fingerprint identification allows you to match your fingers with the enrolled fingerprints.

1. Go to **Settings** > **Biometrics & password** > **Fingerprint ID** and enter the lock screen password.
2. In the **Fingerprint list** section, touch **Identify fingerprint**.
3. Touch the fingerprint sensor with your finger. The recognized fingerprint will be highlighted.

Use Your Fingerprint to Access Your Safe

1. Go to **Settings** > **Biometrics & password** > **Fingerprint ID** and enter your lock screen password.
2. Turn on the switch for **Access Safe** and follow the onscreen instructions to link your fingerprint with the Safe.

Now you can go to **Files** > **Me**, touch **Safe**, then use your fingerprint to access it.

Please make sure your device has been updated to the latest system version.

Use Your Fingerprint to Access a Locked App

1. Go to **Settings** > **Biometrics & password** > **Fingerprint ID** and enter the lock screen password.
2. Turn on the **Access App Lock** switch and follow the onscreen instructions to link your fingerprint with App Lock.

You can then touch a locked app on your home screen and use your fingerprint to access it.

Enable and Use Fingerprint Payment

You can use your fingerprint to verify your payments in a payment app.

Go to the payment app and follow the onscreen instructions to enable this feature.

Face Recognition

Face Recognition allows you to unlock your phone or access locked apps with your facial data.

Set up Face Recognition

1 Go to **Settings** > **Biometrics & password** > **Face Recognition** and enter your lock screen password.

2 Select **Enable raise to wake**.

The settings items vary by device. If your phone does not provide a specific item, it indicates that the corresponding feature is not supported.

3 Touch **Get started** and follow the onscreen instructions to enroll your facial data.

Set an Alternate Look

You can add an alternate look for more accurate and convenient face recognition.

On the **Face Recognition** screen, touch **Set an alternate look**, and follow the onscreen instructions to enroll the alternate facial data.

Set Face Unlock

On the **Face Recognition** screen, touch **Unlock device** and select an unlock method.

If you have enabled PrivateSpace or added multiple users to your phone, you can use Face unlock only in MainSpace or with the Owner account.

Access App Lock with Face Recognition

On the **Face Recognition** screen, enable **Access App Lock**, and follow the onscreen instructions to add your facial data to App Lock.

You can then touch a locked app on your home screen and use face recognition to access the app.

Link Your Face with Password Vault

Access the **Face Recognition** screen and enable **Autofill usernames and passwords**.

When logging in to an app, you can use Face Recognition to automatically fill in the account name and password saved in Password Vault.

Face Recognition for Security Enhancement

For greater security, enable **Require trusted device** when using Face unlock so your phone will only be unlocked when it recognizes your face and is connected to a trusted device.

This feature is disabled by default. To enable it, go to the **Face Recognition** settings screen, touch **Require trusted device**, enable the **Require trusted device** switch, and follow the onscreen instructions to complete the settings.

A trusted device can be any Bluetooth device that can be used for unlocking purposes, such as earphones, a watch, or a band.

Set Accessibility Mode for Face Recognition

Once Accessibility mode for Face Recognition has been enabled, your face will be identified even with your eyes closed if you are in ScreenReader mode.

To enable **Accessibility mode**, perform the following steps:

1. Go to **Settings** > **Accessibility features** > **Accessibility** > **ScreenReader**, and enable **ScreenReader**.
2. Access the **Face Recognition** screen and enable **Accessibility mode**.

If you have not enrolled a face, **Accessibility mode** will be automatically enabled when you are enrolling the facial data once ScreenReader is turned on.

Disable or Delete Facial Data

On the **Face Recognition** screen, you can do the following:

- Disable facial data for certain features: Disable **Unlock device**, or **Access App Lock** as required. This will not delete your facial data.
- Delete facial data: Touch **Delete facial data** and follow the onscreen instructions to delete your facial data.

Lock Screen Password

You can set a numeric, pattern, or hybrid password as your lock screen password.

Set a Lock Screen Password

You can set a PIN, pattern, or password for unlocking your device.

1. Go to **Settings** > **Biometrics & password** and touch **Lock screen password**.
2. Follow the onscreen instructions to enter a PIN or touch **Change unlock method** to select your preferred password type.

Change the Lock Screen Password

1. On the **Biometrics & password** screen, go to **Change lock screen password**.
2. Enter the original lock screen password.
3. Enter a new password, or touch **Change unlock method** to select a password type, then follow the onscreen instructions to input a new password.

Disable Lock Screen Password

On the **Biometrics & password** screen, go to **Disable lock screen password**.

Enable Lockdown

There are several ways to unlock your phone. In some cases (such as if you are asleep when using public transport), password unlock is more secure than other unlock methods. When

Lockdown mode is enabled, you will only be able to unlock your phone using your lock screen password. Other unlock methods will be temporarily disabled.

You must set a lock screen password to use this feature.

1 Go to **Settings** > **Biometrics & password** > **Secure lock settings**, and enable **Show Lockdown option**.

2 Press and hold the Power button until the **Lockdown** option is displayed on the screen.

3 Touch **Lockdown** and follow the onscreen instructions to enable Lockdown mode. Once Lockdown mode is enabled, your phone can only be unlocked using the lock screen password.

4 Lockdown mode is automatically disabled when you unlock your phone. You can use other unlock methods as usual the next time you unlock your phone.
If you need to re-enable Lockdown mode, press and hold the Power button and touch the **Lockdown** option again.

Apps

Enable App Twin

App Twin allows you to log in to two app accounts at the same time, such as for WhatsApp, so you can easily keep work and your private life separate.

Only certain apps support **App Twin**.

Go to **Settings** > **Apps** > **App Twin** and turn on the switch for the app that you want to create a twin of.

The twin app will then be displayed on the home screen.

View or Change App Settings

Go to **Settings** > **Apps** > **Apps** and touch an app. You can force stop it, uninstall it, view and change the app permissions, set notification modes, and more.

Some apps cannot be uninstalled.

Check the App Version or Change the App Settings

Go to **Settings** > **Apps** > **Apps** and touch the app you are interested in to go to its details screen. The version of the app is displayed next to the app icon.

Battery

Check the Power Consumption of Your Phone

Go to **Settings** > **Battery** (or **Optimizer** >), and you can:

- View **Power consumption details** to learn about the power consumption and the power usage ranking of apps.
- Touch a time slot in the Battery level chart to learn about the power consumption for the corresponding period.
- Touch an app and view its **Battery usage details**, or touch **Force stop** to close the app.

Some pre-installed apps cannot be closed.

Enable Power Saving mode

You are advised to enable **Power Saving mode** when the battery level is low but you cannot charge your phone straight away.

Go to **Settings** > **Battery** (or **Optimizer** >) and enable **Power Saving mode**. After that, will be displayed in the status bar.

You can touch **Learn more** to view details about power saving measures.

Enable Performance Mode

Performance mode adjusts the power settings of your phone to deliver maximum performance. This will cause the battery to drain more quickly, especially when graphic-intensive apps are used.

When the battery has sufficient power, go to **Settings** > **Battery** (or **Optimizer** >) and enable **Performance mode**.

A icon will then be displayed in the status bar.

Performance mode is available on selected devices only. If the **Performance mode** option is not displayed in **Optimizer**, it indicates that your device does not support the feature.

Enable Smart Charge

Smart Charge learns from your charging habits and manages the charging process intelligently. This feature reduces the battery wear level and prolongs the battery life by reducing the time your device spends fully charged. It is advised that you keep this feature enabled.

For example, if you are used to charging your device overnight or for an extended period of time, Smart Charge will pause the charging when the battery capacity reaches a certain level. Before you get up in the morning, Smart Charge will resume charging until your device is fully charged. This reduces the time your device spends fully charged to slow down battery wear and prolong the battery life.

Data about your charging habits will only be used on your device and will not be backed up or uploaded to the cloud.

To enable this feature, go to **Settings** > **Battery** > **More battery settings** and enable **Smart Charge**.

Enable Smart Battery Capacity

Smart Battery Capacity intelligently adjusts the maximum available battery capacity based on the current battery state to slow down battery wear and prolong the battery lifespan. It is advised that you keep this feature enabled.

To enable this feature, go to **Settings** > **Battery** > **More battery settings**, and enable **Smart Battery Capacity**.

Set the Battery Level Display Mode

You can also set whether or not to display the battery percentage in the status bar, and whether to maintain a network connection when the phone screen is turned off.

Display Battery Percentage in the Status Bar

Go to **Settings** > **Battery** (or **Optimizer** >), touch **Battery percentage**, and select whether the battery percentage will be displayed inside or next to the battery icon.

Stay Connected While Your Device Is Sleeping

Keep your phone connected to the Internet when it sleeps to continue to receive messages or download data in sleep mode. Please note that this may increase power consumption.

To do so, on the **Battery** screen, touch **More battery settings**, and enable **Stay connected while asleep**.

Storage

Check Storage Usage

Go to **Settings** > **Storage** to check storage usage and optimize it when you feel necessary.

Clean Up Phone Storage

You can use **Cleanup** in **Optimizer** to scan for redundant or large files, such as app residue, unwanted installation packages, WeChat data, and more. Once detected, you can choose whether or not to delete files as suggested.

1 Open **Optimizer**, then touch **Cleanup**.

2 When the scan is complete, touch **Clean up** after each item and delete any files you don't need.

Automatically Clean Up System Trash

1 Open **Optimizer**, and touch **Cleanup**.

2 Swipe down from the top of the screen, and your phone will automatically clean up system trash.

Manually Clean Up System Trash

In addition to automatic cleanup, your phone will also detect and recommend trash files for you to clean up manually.

On the **Cleanup** screen, touch **Clean up** next to a category, select the items you want to clean up, then touch **DELETE**.

Clean Up Duplicate Files

Optimizer can identify duplicate files on your phone.

On the **Cleanup** screen, touch **Duplicate files**, then select unwanted files to delete them.

Security

Use the Password Vault to Automatically Fill in the Password

Password Vault saves your usernames and passwords and autofills them for you each time you log in to an app. This data is hardware encrypted and stored only on your device. Huawei does not have access to this data, and will not upload it to the Internet or server.

- Before using Password Vault, set a lock screen password for your phone.
- Password Vault is only compatible with certain apps.

Log In Faster with Password Vault

1 When you log in to an app for the first time, your phone will automatically prompt you to save the password. Touch **SAVE** when prompted.
If you accidentally touch **Never save**, you can still enable the autofill feature for this app by going to **Settings** > **Security** > **Password Vault** > **Manage autofill settings**, and toggling on the switch next to this app. When the switch is toggled off, the autofill feature will be disabled.

2 If you log out of the app, the next time you log in, your device will autofill the username and password once you have verified your identity with your lock screen password, fingerprint, or face ID.

Not all devices support fingerprint features.

When you switch to a new Huawei phone, you can use **Phone Clone** to transfer data in Password Vault to your new device.

View or Delete Stored Usernames and Passwords

You can view or delete the usernames and passwords stored in Password Vault at any time.

Go to **Settings** > **Security** > **Password Vault** > **ACCOUNTS** to view or delete the stored usernames and passwords.

Disable Password Vault

Password Vault is enabled by default, but can be disabled if required.

Go to **Settings** > **Security** > **Password Vault**, and disable **Save and autofill usernames and passwords**.

Use App Lock to Protect Your Privacy

You can lock apps containing private data, such as chat and payment apps, to prevent unauthorized access.

Enable App Lock

Go to **Settings** > **Security** > **App Lock** > **Enable**, follow the onscreen instructions to set an App Lock password, and select an app to be locked.

If you have enabled face or fingerprint unlock, you can link App Lock with a face ID or fingerprint ID as prompted.

Change the App Lock Password or Security Questions

Enter the **App Lock** settings screen, go to  > **Password type**, and select **Lock screen password** or **Custom PIN** as the App Lock password.

If you select **Custom PIN**, you can go on to set a new password and security questions.

Cancel or Disable App Lock

On the **App Lock** settings screen, you can perform the following:

- Cancel App Lock: On the list of locked apps, toggle off the switches beside the apps for which you want to cancel App Lock.
- Disable App Lock: Go to  > **Disable App Lock** and follow the onscreen instructions to touch **DISABLE**. This will cancel all locks and clear all app lock settings.

Encrypt Memory Card Data

You can encrypt files stored on a memory card. Encrypted files can only be viewed and used on your device.

1. Insert a memory card into your phone and ensure that the memory card has sufficient storage space.
2. Go to **Settings** > **Security** > **More settings** > **Encryption and credentials**.
3. Touch **Encrypt memory card** and follow the onscreen instructions.
   During the encryption, do not restart your phone or forcibly remove the memory card. Otherwise, the encryption may fail or data may be lost.

To decrypt a memory card, touch **Decrypt memory card** and follow the onscreen instructions to decrypt files on the memory card. Formatting a memory card can also decrypt the memory card, but will erase all data on the memory card.

Encrypting and decrypting the memory card will not be supported if you are not logged in to a phone as the Owner.

Set a SIM PIN Lock

A PIN is the identity code of a SIM card, and can be set as the SIM card lock. After you set it up, you will be required to enter the correct PIN to unlock the SIM card every time you power on your phone or switch to a new phone to prevent unauthorized access.

If you have entered a wrong PIN and exceeded the maximum number of attempts allowed to unlock the PIN, you will need to enter the PIN Unlocking Key (PUK) then reset the PIN. If you exceed the maximum number of attempts allowed to unlock the PUK, your SIM card will be permanently blocked.

The PIN and PUK of your SIM card are provided by your carrier. The number of digits and maximum number of attempts allowed to unlock your PIN and PUK are subject to your carrier.

1 Go to **Settings** > **Security** > **SIM PIN** to enter the SIM PIN screen.

2 Enable **SIM PIN**, enter the PIN, then touch **OK**.
To change the PIN, touch **Change SIM PIN**, and follow the onscreen instructions.

Pin a Screen

You can pin the screen of an app so you can stay focused on it. Try this feature when playing games, watching videos, and more.

Go to **Settings** > **Security** > **More settings** > **Screen pinning**, and enable **Screen pinning**.

- When using gesture navigation, swipe up from the bottom of the screen and hold to access the recent tasks screen, then touch on an app preview. To unpin, swipe up twice from the bottom of the screen.
- When using three-key navigation, touch to access the recent tasks screen, and touch on an app preview. To unpin, touch and hold .

Privacy

Manage App Access Permissions

Apps may require certain permissions, such as the Location permission, in order to provide you with corresponding services.

However, some apps may obtain excessive permissions, posing potential risks to your information privacy and security. You can check the permissions granted to each app and deny those you deem unnecessary in system Settings.

Manage the Location Permission

After being granted the Location permission, an app can obtain your location information. For example, if a map app is granted the Location permission, it can provide you with location and navigation services. You can revoke the permission if you do not need these services.

1 Go to **Settings** > **Apps** > **Permission manager**.

2 On the **Permission manager** screen, touch **Location**, then touch the icon of the app you want to change the permission for to manage the Location access.

Manage Permissions to Access Other Private Data

You can also manage permissions to access your personal data, such as Contacts, Messaging, Call logs, Body sensors, Calendar, and Camera, to enjoy better services and protect your privacy.

On the **Permission manager** screen, touch the permission you want to manage, and toggle the switch for each app on or off as required.

Use Location Services

Some apps need to obtain your location information to provide better services. You can enable or disable location services, and grant or deny permissions to access location information for particular apps as required.

Enable or Disable Location Services

You can enable or disable Location Services in the following ways:

- Swipe down from the upper right edge of the screen to display **Control Panel**, touch to expand the shortcut switches panel, and enable or disable **Location**. You can touch and hold **Location** to access the settings screen of **Location**.
- Go to **Settings** > **Location** and enable or disable **Access my location**.

After Location Services is disabled, your phone will prevent all apps and services from collecting and using the location information, with the exception of some built-in apps. When apps or services need to use the location information, your phone will remind you to enable Location Services again.

Increase the Accuracy of Location Services

You can improve the positioning accuracy of your phone by allowing apps and services to scan for nearby Wi-Fi networks and Bluetooth devices or access supplementary data from global navigation satellite systems (GNSS).

High-accuracy positioning is only supported on certain products.

Go to **Settings** > **Location** > **Advanced settings**, then set them up as required.

Allow or Deny Access to Location Information

You can grant or deny the Location permission to an app, as well as grant permanent access or access only while in use or deny access to the location information.

1 Go to **Settings** > **Privacy** > **Permission manager**, touch **Location**, and check apps to be granted access to the location information.

2 Touch the corresponding app and follow the onscreen instructions to grant or deny the Location permission.

Create a PrivateSpace for Your Private Data

Create your PrivateSpace that is completely independent of MainSpace (the original space) on your phone, which can be accessed using your fingerprint or a password.

Not all devices support fingerprint features.

You can move private photos, videos, and other files to your PrivateSpace to prevent unauthorized access. You can also move your payment and gaming apps to PrivateSpace to prevent them from being accessed by your child.

Enable and Access PrivateSpace

1 Go to **Settings** > **Privacy** > **PrivateSpace** > **Enable**, and follow the onscreen instructions to create a PrivateSpace.

2 You can enter your PrivateSpace using either of the following methods:

- On the lock screen, access PrivateSpace using the fingerprint or password set for the space.
- Alternatively, in MainSpace, go to **Settings** > **Privacy** > **PrivateSpace**, and touch **Log in**.

If you restart your phone, you have to enter the password to access the MainSpace first, then switch to the PrivateSpace.

Hide or Unhide the Entrance to PrivateSpace

You can hide the entrance to PrivateSpace in the MainSpace settings, so that you can only access PrivateSpace using the fingerprint or password set for the space.

- To hide the entrance to PrivateSpace: In PrivateSpace, go to **Settings** > **Privacy** > **PrivateSpace**, and enable **Hide PrivateSpace**.
- To unhide the entrance to PrivateSpace: In MainSpace, go to **Settings** > **Security** > **More settings**, then go to **Show all settings** > **OK**.

Transfer Files Between MainSpace and PrivateSpace

1 In PrivateSpace, go to **Settings** > **Privacy** > **PrivateSpace**, and touch **MainSpace to PrivateSpace** or **PrivateSpace to MainSpace**.

2 Select the files (such as images, videos, and audio files) you want to transfer, touch **Move**, and follow the onscreen instructions to transfer the files.

In the target space, go to **Gallery** > **Albums** > **Others** > **SharedImages**, or **Gallery** > **Albums** > **Others** > **SharedVideos** to view photos and videos.

Reset Password for PrivateSpace

You can set a security question when creating the password for PrivateSpace, which will help you to reset the password if you happen to forget it.

1. In PrivateSpace, go to **Settings** > **Privacy** > **PrivateSpace**, then touch **Password protection**.
2. Follow the onscreen instructions to complete the verification, select and answer the security question, then touch **Finish**.
3. In MainSpace, go to **Settings** > **Privacy** > **PrivateSpace**, then go to • • • > **Reset password**, and follow the onscreen instructions to complete the verification and reset the password.

Transfer Data in PrivateSpace to Your New Phone

You can quickly transfer your PrivateSpace data, such as contacts, photos, and files, from your old phone to your new one.

1. On your new phone, create and enter your PrivateSpace, go to **Settings** > **Privacy** > **PrivateSpace** > **Space Clone**, and select **This is the new device**.
2. In your old phone, enter your PrivateSpace, go to **Settings** > **Privacy** > **PrivateSpace** > **Space Clone**, and select **This is the old device**.
3. Follow the onscreen instructions to scan the QR code or manually connect the old device to the new one.
4. On your old phone, select the data to be transferred. You can cancel the data transfer during the process, and then continue it once you have connected your old device with the new one again.

Delete PrivateSpace

If you delete PrivateSpace, all apps and data stored in the space will be deleted and cannot be restored. Please exercise caution when deleting PrivateSpace.

You can delete PrivateSpace in either of the following ways:

- In MainSpace, go to **Settings** > **Privacy** > **PrivateSpace**, then go to • • • > **Delete PrivateSpace**.
- Alternatively, in PrivateSpace, go to **Settings** > **Privacy** > **PrivateSpace**, then touch **Delete**.

Accessibility Features

Use a Screen Reader App

Screen reader apps are designed to assist visually impaired users to use a phone.

Enable Color Correction to Customize the Screen Color

Color correction helps people with poor eyesight see the screen content more easily.

1 Go to **Settings** > **Accessibility features** > **Accessibility** > **Color correction** and enable **Color correction**.

2 Touch **Correction mode** to select a color correction mode.

Use Magnification Gestures

Use magnification gestures to zoom in on the screen.

On the **Accessibility** > **Magnification** screen, touch **Magnification**, then enable it.

Zoom in or out by touching the screen three times in a row.

- While zoomed in, spread two or more fingers to further zoom in, then pinch two or more fingers together to zoom back out.
- Drag the screen with two or more fingers to view other parts of the screen.

Enable Color Inversion

Color inversion allows you to invert the color of the text and the background. When Color inversion is enabled, your phone will display text in white and the background in black.

On the **Accessibility** screen, enable **Color inversion**.

Use a Shortcut to Activate an Accessibility Feature

You can use Volume buttons to quickly activate an accessibility feature.

1 On the **Accessibility** screen, touch **Accessibility shortcut**.

2 Touch **Select feature** to select the feature you want to activate with the shortcut.

3 Enable **Accessibility shortcut**. You can now press and hold the Volume up and down buttons simultaneously for 3 seconds to activate the feature.

Adjust the Screen Touch Duration

You can adjust the touch duration and long touch duration, and set the time within which repeated touches will be ignored.

On the **Accessibility** settings screen, you can perform the following:

- Touch **Touchscreen settings** and set the touch duration and long touch duration as required.
- Enable **Ignore repeated touches** and drag the slider to set the time interval as required.

Protect Your Phone with a Flip Cover

For best results, you are advised to use a standard Huawei flip cover.

Enable Smart Cover Mode

Go to **Settings** > **Accessibility features** > **Smart Cover**, and enable **Smart Cover**. If the flip cover comes with a display window, enable **Use display window** as well.

Open or Close the Flip Cover

- Flipping open the cover will wake your phone and display the lock screen (or Magazine unlock screen).
- If a lock screen password has been set, closing the flip cover of your phone will lock the screen if it is on standby.
- When a flip cover with a display window is closed, you can check the date, time, weather, and more in the window.

Enable or Disable Mistouch Prevention

Enable **Mistouch prevention** to prevent unintended operations caused by accidental touches on the screen, such as when your phone is placed in your pocket or backpack.

Go to **Settings** > **Accessibility features**, and enable or disable **Mistouch prevention**.

Set Scheduled Power On/Off

Use the **Scheduled power on/off** feature to power your phone on and off at set times, to save power and prevent interruptions while resting.

1. Go to **Settings** > **Accessibility features** > **Scheduled power on/off**, and enable **Scheduled power on/off**.
2. Set the power on and off times, as well as the repeat cycle. Your phone will power on and off automatically at the specified times.

To stop using this feature, disable **Scheduled power on/off**.

Users & Accounts

Add a User or Guest Account

1. Go to **Settings** > **Users & accounts** > **Signed in as**, touch **Add user** or **Add guest**, then follow the onscreen instructions to add an account.
2. Touch **Switch** to switch to the user or guest account. Configure the settings for the new account as prompted.
3. Install apps as needed. Note that if a newer version of an app has been installed by another user, the app installation will fail.

Authorize a User or Guest Account to Make Calls

You can set whether to allow a user or guest account to make calls or use other functions on your phone.

1. Access your phone as the administrator and go to **Settings** > **Users & accounts** > **Signed in as**.
2. Touch the related account, and select the permissions you want to authorize.

Switch Between Owner, User, and Guest Accounts

You can switch to a different account in the following ways:

- Swipe down from the upper right edge of the screen to display **Control Panel**, touch , and touch the profile picture of the account you wish to switch to.
- Go to **Settings** > **Users & accounts** > **Signed in as** and touch the name of the account you wish to switch to.

Delete a User or Guest Account

Deleting a user or guest account will delete all of its related data. Please exercise caution.

After accessing your device as the owner, use the following ways to delete a user or guest account:

- Go to **Settings** > **Users & accounts** > **Signed in as**, touch the account you wish to delete, and follow the onscreen instructions to delete it.
- Swipe down from the upper right edge of the screen to display **Control Panel**, go to > **More settings**, touch the account you want to delete, and follow the onscreen instructions to delete it.

System & Updates

Change the System Language and Region

1. Go to **Settings** > **System & updates** > **Language & input** > **Language and region** and choose the language you want to use.
   If the language you want is not listed, touch **Add language**, then find and touch it to add it to the list.
   To delete a language from the list, touch **Edit** and follow the onscreen instructions.
2. Touch **Current region** to select countries and regions.

Set the System Date and Time

Your phone is able to sync to the local date, time, and time zone over a mobile network. You can also manually set the date, time, and time zone for your phone.

Go to **Settings** > **System & updates** > **Date & time**, then set the options according to your requirements.

Set the Date and Time Automatically or Manually

- Enable **Set automatically**, and your phone will sync to the local date and time over a mobile network.
- To manually set the date and time, disable **Set automatically**.

Change the Time Zone

- Enable **Set automatically**, and your phone will sync to the local time zone over a mobile network.
- To manually set the time zone, disable **Set automatically**.

Change the Time Format

- Enable **24-hour time** and your phone will display time in the 24-hour format.
- Disable **24-hour time** and your phone will display time in the 12-hour format.

Use Phone Clone to Move Data to Your New Device

Phone Clone lets you quickly and seamlessly move all the basic data (including contacts, calendar, images, and videos) from your old phone to your new phone.

Migrate Data from a Huawei or Other Android Device

1. On your new phone, open the **Phone Clone** app, or go to **Settings** > **System & updates** > **Phone Clone**, touch **This is the new device**, and select **Huawei** or **Other Android**.
2. On your old device, follow the onscreen instructions to download and install **Phone Clone**.
3. On the old device, open the **Phone Clone** app, touch **This is the old device**, and follow the onscreen instructions to connect the old device with your new device by scanning a code or connecting manually.
4. On your old device, select the data you want to clone, then touch **NEXT** > **TRANSFER** to start cloning.

You can search for Android versions that support **Phone Clone** in **AppGallery** and view more information on the app details screen.

Migrate Data from an iPhone or iPad

1. On the new phone, open the **Phone Clone** app, or go to **Settings** > **System & updates** > **Phone Clone**, touch **This is the new device**, and select **iPhone/iPad**.
2. Follow the onscreen instructions to download and install **Phone Clone** on your old device.
3. On the old device, open the **Phone Clone** app, touch **This is the old device**, and follow the onscreen instructions to connect the old device with your new device by scanning a code or connecting manually.
4. On your old device, select the data you want to clone, then follow the onscreen instructions to complete the data cloning.

You can search for iOS versions that support **Phone Clone** in **App Store** and view more information on the app details screen.

Back Up with an External Storage Device

Back Up Data with a Memory Card

Insert a memory card into your phone so you can conveniently back up your data to keep it safe.

1. Go to **Settings** > **System & updates** > **Backup & restore** > **Data backup** > **External storage** and select **Memory card**.
2. Touch **BACK UP**, select data that you wish to back up, then touch **Back up**.
3. Follow the onscreen instructions to set the password and password hint. The data will then be encrypted and backed up. A password will be required if you want to restore your data backup.

   To reset the password, access the **Memory card** backup screen, go to ⋮ > **Reset password**, and follow the onscreen instructions.

   The new password is only valid for future backups.
4. After the backup is complete, you can find your data backup in the **Huawei** folder in **Files** > **Browse** > **Memory card**.

   Please make sure your device has been updated to the latest system version.

You can go to the **Memory card** backup screen and enable **Auto-backup**. Your phone will then automatically back up your data every seven days when it is being charged, the screen is turned off, and it has sufficient power.

Restore Your Backup from a Memory Card

1. On the **External storage** screen of your phone, touch **Memory card**.
2. Select the backup you want to restore from the **RESTORE FROM BACKUP** list.
3. Select the data you want to restore, touch **Restore**, and enter the password as prompted.

Back Up with a USB Storage Device

In case of insufficient storage space on your phone, you can back up large files and any data on a USB storage device, such as a USB flash drive or card reader.

1. Connect your phone to a USB storage device via a USB OTG cable.
2. Go to **Settings** > **System & updates** > **Backup & restore** > **Data backup** > **External storage** and touch **USB storage** on your phone.
3. Touch **BACK UP**, select the data you want to back up, then touch **Back up**.
4. Follow the onscreen instructions to set the password and password hint. The data will be encrypted and backed up. The password will be required if you want to restore your data backup.

   To reset the password, go to the **USB storage** backup screen, then ⋮ > **Reset password**.

   The new password is only valid for backups created thereafter.

Restore Your Data from a USB Storage Device

1 Connect your phone to a USB storage device via a USB OTG cable.

2 On the **External storage** screen of your phone, touch **USB storage**.

3 Select the backup you want to restore from the **RESTORE FROM BACKUP** list.

4 Select the data you want to restore, touch **Restore**, and enter the password as prompted.

Back Up with a NAS Device

You can back up your important data on a network-attached storage (NAS) device, also known as a private cloud storage server. The NAS device provides shared folders for data backup.

1 Go to **Settings** > **System & updates** > **Backup & restore** > **Data backup** > **External storage** and touch **Shared folder** on your phone.

2 On your phone, scan for available NAS devices using your Wi-Fi network, then touch an applicable one to access and add its shared folders.

3 Touch **BACK UP**, select the data you want to back up, then touch **Back up**.

4 Follow the onscreen instructions to set the password and password hint. The data will be encrypted and backed up. The password will be required if you want to restore your data backup.

To reset the password, go to the **Shared folder** backup screen, then ••• > **Reset password**.

The new password is only valid for backups created thereafter.

Restore Your Data from an NAS Device

1 On the **External storage** screen of your phone, touch **Shared folder**.

2 On your phone, scan for available NAS devices using your Wi-Fi network, then touch an applicable one to access and add its shared folders.

3 Select the backup you want to restore from the **RESTORE FROM BACKUP** list.

4 Select the data you want to restore, touch **Restore**, and enter the password as prompted.

Restore Your Phone to Default Settings

Reset Network Settings

This operation will reset your Wi-Fi, mobile data network, and Bluetooth settings. It will not change any other settings on your phone or delete any data.

Go to **Settings** > **System & updates** > **Reset**, touch **Reset network settings**, then follow the onscreen instructions to reset network settings.

Restore All Settings

This operation will reset all network settings, your lock screen password, and the home screen layout. If your phone supports fingerprint or facial recognition, the enrolled fingerprints and facial data will be deleted as well. Other data or files will not be deleted from your phone. This operation does not restore the settings of Find Device, Users & accounts, Device administrators, or app settings either.

Go to **Settings** > **System & updates** > **Reset**, touch **Reset all settings**, and follow the onscreen instructions to complete the operation.

Restore Factory Settings

This operation will erase data on your phone, including your accounts, app data and system settings, installed apps, music, images, all files in the internal storage, security chip contents, and locally-stored system, app, and personal data related to HUAWEI IDs. Make sure to back up your data before restoring your phone to its factory settings.

Go to **Settings** > **System & updates** > **Reset** > **Reset phone**, touch **Reset phone**, and follow the onscreen instructions to restore factory settings.

Enable or Exit Simple Mode

Simple mode adopts a more concise layout for easy navigation, enlarges icons and fonts for the home screen, and maximizes the volume.

Enable Simple Mode

Go to **Settings** > **System & updates** > **Simple mode** and follow the onscreen instructions to enable Simple mode.

In Simple mode, you can touch and hold any icon to drag it to the desired position or uninstall it if you don't need to use the app.

Exit Simple mode

Open **Settings** and touch **Exit Simple**.

Update Your Phone System Online

When an update is available, your phone will prompt you to download and install the update package.

- Before updating, make sure that your phone is running an official system version. Otherwise, the update may fail and your phone may experience some issues.
- Back up your user data before the update.
- After an update, third-party apps that aren't compatible with the new system version may become unavailable. In such cases, it may take some time for a compatible app version to be released.
- During the update, do not power off or restart your phone, remove the memory card, or insert a memory card.

1 Go to **Settings** > **System & updates**, and touch **Software update**.

2 When an update is available, you can either manually download and install the update package, or choose for your phone to be updated automatically overnight.
- Download and install the update package: Go to **New version** > **DOWNLOAD AND INSTALL**. To avoid data usage, connect your phone to a Wi-Fi network when downloading the update package.
  Your phone will automatically restart once the update is complete.
- Update overnight: Touch  or  > **Settings (this device)** (depending on your device model), and enable **Auto-download over Wi-Fi** and **Update overnight**.

To disable automatic updates, touch  or  > **Settings (this device)** (depending on your device model) on the **Software update** screen, then disable **Auto-download over Wi-Fi**.

Update the Parameter Version of Your Phone Online

The parameter version may update operator parameters, time zone parameters, and device parameters, among others, and offers optimizations to functions, including the mobile network, power consumption and performance, and feature compatibility. Your phone will prompt you to install the update to have these parameters automatically adjusted for a better experience.

Automatic update

1 Go to **Settings** > **About phone** > **Parameter version**, touch , and make sure that **Auto-update parameters** is enabled.

2 When a new parameter version is detected, your phone will automatically download and update it.
You will be prompted if the phone needs to be restarted for the update to take effect.

Manual update

1 Go to **Settings** > **About phone** > **Parameter version**, touch , and disable **Auto-update parameters**.

2 When a new parameter version is detected, a message will be displayed. Follow the onscreen instructions to complete the update.

About Phone

Legal Notice

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Statement on Water Resistance

The device was tested under controlled laboratory conditions and is splash, water, and dust resistant with a rating of IP68 under IEC 60529. Splash, water, and dust resistance are not permanent conditions, and may decrease as a result of normal wear and tear. Do not charge this device in a humid environment. For details about this feature, please visit https://consumer.huawei.com/en/support/.

Conditions for IP68 resistance:

- Depth: Up to 1.5 m (4.9 ft.) of static water
- Duration: 30 minutes
- Temperature difference between the water and the device: no greater than 5°C

This guide is for reference only. The actual product, including but not limited to the color, size, and screen layout, may vary. All statements, information, and recommendations in this guide do not constitute a warranty of any kind, express or implied.

Please visit https://consumer.huawei.com/en/support/hotline for recently updated hotline and email address in your country or region.

Model: JAD-LX9

EMUI12.0_02

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