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Enroll Your Facial Information to Enable Face Unlock

Face unlock allows you to quickly unlock your Phone by holding it up to your face.

⚠️ ● Only the owner can enable Face unlock. This feature is not available for users or guests, and not supported in PrivateSpace either.

● Face unlock is not available if the screen unlock password has not been entered for three or more days in a row, or if your Phone has been remotely locked, or has been restarted.

● When using Face unlock to unlock your Phone, keep your eyes open, face yourself directly towards your Phone, and keep your face at a distance of 20 cm (7.87 in.) to 50 cm (19.69 in.) from your device. In order to scan your face accurately, avoid using this feature when you are in a dark environment or when facing direct light.

1 Open **Settings**. Go to **Security & privacy** > **Face recognition** and enter your screen unlock password.

2 You can select **Enable Pick up to wake device to enhance the Face unlock experience**. In this case, your Phone will turn on the screen and identify your facial features to unlock the screen automatically whenever you pick up your Phone and hold it to your face. If you do not wish to use this feature, you can disable this option. Touch **Enroll face** and follow the onscreen instructions to enroll your face.

3 Methods to set Face unlock:

● **Direct unlock**: Turn on the screen. Your Phone identifies your facial features and unlocks the screen.

● **Swipe to unlock**: Turn on the screen. After your Phone identifies your facial features, swipe the lock screen to unlock your device.

● **Smart display of lock screen notifications**: Enable **Slide to unlock** and **Smart lock screen notifications**. On the lock screen, your Phone hides notification details by default and displays them only after identifying the device owner's face.

● **Access app lock**: Enable **Access app lock** to access apps and locked apps using Face unlock.

Pick Up to Unlock

Open **Settings**, and go to **Security & privacy** > **Face recognition**. When enrolling facial data, select **Enable Pick up to wake device to enhance the Face unlock experience**, and set the Face unlock method to **Direct unlock**. Once the setup is complete, you can simply raise your Phone to unlock the screen, without a password or fingerprint.

If you haven't selected **Enable Pick up to wake device to enhance the Face unlock experience** when enrolling facial data, you can open **Settings**, go to **Security & privacy** > **Face**

recognition, and set the Face unlock method to **Direct unlock**. Then, open **Settings**, go to **Smart assistance** > **Motion control** > **Pick up**, and select **Wake up device**.

Access Phone Functions from Anywhere with Navigation Dock

In order to close an app or return to the home screen, you must use the navigation bar at the bottom of your Phone. You can enable the Navigation dock feature on your Phone to avoid using navigation buttons and to comfortably operate your device with one hand.

Open **Settings**. Go to **System** > **System navigation** > **Navigation dock** and enable **Navigation dock**. The Navigation dock will appear on the screen. You can then drag it to your preferred location. The Navigation dock can perform the following actions:

- **Back**: Touch the Navigation dock once to go back one step, or touch it twice to go back two steps.
- **Home**: Touch and hold the Navigation dock and then release it to go to the home screen.
- **View background apps**: Touch and hold the Navigation dock and then swipe left or right to view any apps that are running in the background.

Use Shortcut Switches to Quickly Enable Frequently Used Features

Want to quickly enable or disable mobile data or hotspot? You can enable frequently used features by using shortcut switches.

Organize shortcuts

Touch and hold to enter Settings

Touch to enable this feature

View all shortcuts
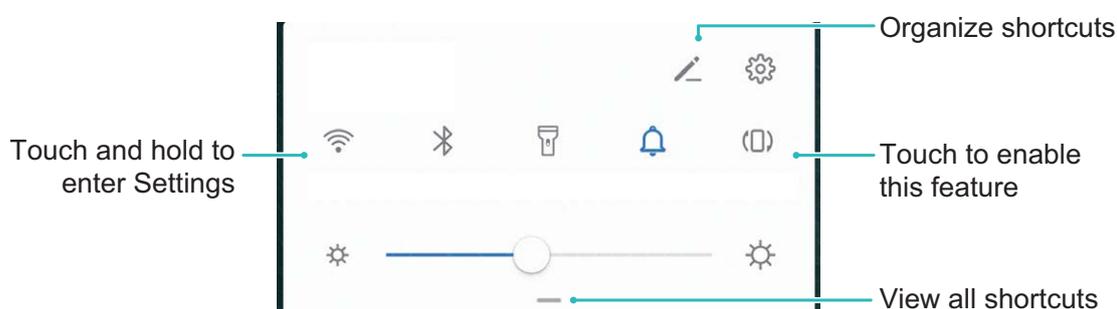
Camera Tips

Use 3D Panorama to Take 360-degree Photos

Try the 3D panorama function to capture a 360-degree view of a scene or person.

- **Shooting objects**: Go to **Camera** > **More** > **3D panorama**. Touch and hold , then follow the onscreen prompts to slowly move your Phone around your subject in one direction. Release to stop shooting. After shooting, touch the camera thumbnail, and then touch **3D** above the photo to generate a 3D panoramic photo.

- **Shooting scenery**: Go to **Camera** > **More** > **3D panorama**. Touch and hold , then follow the onscreen prompts to slowly move your Phone around your subject in one direction. Release

to stop shooting. After shooting, touch the camera thumbnail, and then touch **3D** above the
photo to generate a 3D panoramic photo.

After a 3D panorama has been generated, you can tilt your Phone or drag the photo to view the 3D
effect.

Use Panorama Mode to Take Panoramic Photos

Panoramas provide a wider viewing angle than ordinary photos, letting you take sweeping landscape
shots.

To capture a panorama shot, the camera takes multiple photos of objects within our visual field and
stitches them together into a single photo.

> 🛈 When taking a panorama, find a wide, open space that is some distance away from the subject
> and try to avoid backgrounds that are all in one color.

1 Go to 🔵 **Camera** > **More** > **Panorama**.

2 Touch ←●→ at the bottom of the screen to configure the shooting direction.

3 Hold your Phone steady, and then touch 📷 to start shooting. Slowly move the Phone in the
direction indicated, holding the device steady and ensuring that the arrow stays level with the
center line.

4 Touch ■ when you are finished. The camera will automatically stitch the photos together to
create a panorama.

Custom Shooting Modes

Want to discover new ways of using your camera besides the preset functions? You can download or
delete shooting modes based on your needs.

Download more shooting modes: Open 🔵 **Camera** > **More** > **Download**. Select the shooting
modes to download, and touch **ADD**.

Update shooting modes: To update shooting modes, go to the **More** screen. The shooting modes
with available updates will have red dots next to them. You can follow the onscreen prompts to
update them.

Delete shooting modes: Go to **More** > ✏ , and touch ✕ to delete unneeded shooting modes.

ℹ To ensure that Camera works normally, preset shooting modes cannot be deleted.

Use AR lens to Take Fun Photos

Want to up your selfie game? Try **AR lens** to add special stickers, change the background, and more.

Go to 📷 **Camera** > **AR lens**.

There are several effects to choose from to make your photos stand out:

● **3D Qmoji:** Touch **3D Qmoji**, and select an animated Qmoji. The Qmoji will then mimic and act out your facial expressions and actions accordingly. Touch 📹 to record, or touch GIF and then touch and hold AR to create your own personalized Qmoji.

● **Add makeup effects to a photo or video**: Touch **Effects** to select your desired dynamic sticker. Touch AR to take a photo or touch 📹 to shoot a video with the sticker. Some animated stickers have sound effects that will be automatically added to the video.

● **Change photo or video backgrounds:** Touch **Backgrounds** to select your desired background. Touch AR to take a photo or touch 📹 to record a video with the selected background. Some animated backgrounds have sound effects that will be automatically added to the video.

ℹ You can touch ➕ to add pictures you like in **Gallery** to **Backgrounds**.
Backgrounds is only supported by the front camera.

Beautification is supported in several special effects mentioned above, and can be adjusted by touching 😊 .

Use Pro Mode to Take Photos of Scenery

Want to make your photos of scenery more vibrant and interesting? Use Pro mode to take unique and rich photos of the landscape.

Go to 📷 **Camera** > **More** > **Pro** to enable Pro mode.

Select a metering mode based on your subject: On the Pro mode screen, touch 〔 〕, and select a metering mode accordingly.

Metering mode	Good for
Matrix	Broad landscapes of mountains, seas, etc.
Center	The subject is in the center of the picture, and far away from the landscape in the background.
Spot	The subjects you shoot are relatively small, such as flowers or trees.

Adjust brightness based on the shooting environment:

- **Adjust ISO:** On the Pro mode screen, touch ISO, and slide it left or right to make adjustments.

  > (i) To avoid excessive noises, it is recommended that you keep the ISO below 400. The recommended ISO for the daytime is between 100 and 200 and depending on the lighting over 400 for night scenes.

- **Adjust the shutter speed:** On the Pro mode screen, touch S (shutter speed), and slide until your desired speed is in the center.

  > (i) The recommended shutter speed for static scenes (such as mountains) is between 1/80 and 1/125. For faster moving subjects (such as waves) it is best to use a tripod and choose a faster shutter speed.

- **Adjust EV compensation:** On the Pro mode screen, touch EV, and slide until the desired value is in the center.

Adjust AWB: On the Pro mode screen, touch $\underline{AWB}$, and slide until the desired value is in the center.

> (i)
> - When shooting in sunlight, you can select ☀, and for gloomy days, select ⬛.
> - Touch to adjust the color temperature. If you want to give your photo a cozy, nostalgic tone, increase the K value. For a cold, calm or futuristic tone, select a lower K value.

Adjust AF based on your subject: On the Pro mode screen, touch AF, and slide until your desired mode is in the center.

Focusing mode	Good for
AF-S mode	Static scenes (such as mountains)
AF-C mode	Moving scenes (such as flowing water and waves)
MF mode	Stand-out objects (such as a close-up of a flower)

Level the camera: On the Pro mode screen, touch ⚙, and touch **Horizontal level** to use the level. When enabled, two horizontal guide lines will appear in the viewfinder. When the dotted line overlaps with the solid line, it indicates that the camera is perfectly horizontal.

Save pictures in RAW format: On the Pro mode screen, go to ⚙ > **Resolution**, and enable **RAW format**. After this feature is enabled, pictures taken in Pro mode will be saved in both RAW and standard JPG formats.

> (i)
> - Some parameters in Pro mode affect each other, so adjusting one may cause some unwanted changes. Keep this in mind when setting up for your perfect shot.
> - The recommended settings above are for reference only. You should adjust them based on the actual scene for best shot.

Use Pro Mode to Take Portraits

Want to take more professional portraits? Pro mode allows you to adjust your camera settings to shoot professional-level portraits.

Go to **Camera** > **More** > **Pro** to enable Pro mode.

Select a Metering mode: ⊙ or ⊡ is recommended for taking portraits. Line up your subjects (their faces for example) so they are in the center of the viewfinder. Then touch ⊔ to select your desired Metering mode.

Adjust brightness based on the ambient light

- **Adjust ISO:** To avoid excessive noises, it is recommended that you use a lower ISO when taking portraits. You should also adjust the ISO based on the actual lighting conditions. To do this, touch ISO, and slide it left or right to adjust the value.

Good for	Recommended ISO
Outdoors	**Between 100 and 200**
Indoors	**Around 400**
Night scenes	**Between 400 and 800**

- **Adjust shutter speed:** Choose a slower shutter speed if the ambient light is low and a faster one when it's stronger. The recommended shutter speed for static portraits is between 1/80 and 1/125.

  To shoot moving subjects, select a shutter speed of 1/125 or above. Touch S (shutter speed), slide until your desired speed is in the center.

- **Adjust EV compensation:** Increase the EV compensation if the subjects or background is in dim light, and decrease the EV compensation if the light is strong. Touch EV, and slide until the desired value is in the center.

Adjust AWB: Select AWB depending on the lighting conditions. When shooting in sunlight, you can select ☀, and for gloomy days, select ⊞. Touch AWB, and slide until the desired value is in the center.

Adjust focus: To make your subject stand out, it is recommended that you use manual focus (MF) when shooting portraits. When taking a close-up shot, touch the focus on the shot in the viewfinder to adjust the focus accordingly.

- ⓘ • Some parameters in Pro mode affect each other, so adjusting one may cause some unwanted changes. Keep this in mind when setting up for your perfect shot.

  • The recommended settings above are for reference only. You should adjust them based on the actual scene for best shot.

Working with Ease

Introduction to Huawei Share

How do I quickly share apps, transfer pictures and files between my Phone and other mobile devices, or between my Phone and computers? Huawei Share allows you to quickly share apps and wirelessly transfer files between your phone, tablet, and computer.

Huawei Share supports data transfers between the following devices:

● Between mobile phones and tablets: You can use Huawei Share to share photos and files on your Phone with other phones or tablets. Touch and hold the apps, photos, and files you want to share, and then select Huawei Share to enjoy a simple and easy sharing process that doesn't consume your mobile data.

● Between your Phone and computer (PC or Mac): You can use Huawei Share to share photos and files on your Phone with your computer, and you can also edit these photos on your computer. Thanks to Huawei Share, you don't even need a USB cable for data transfer between your Phone and computer.

> ● Both your Phone and computer must be connected to the same network (for example, to the same Wi-Fi network).

Use NFC to Quickly Establish Connections between Devices.

Place the NFC detection areas of two devices close together to quickly establish a Bluetooth or Wi-Fi connection between them. You can also use this method to establish a Wi-Fi Direct connection or share a Wi-Fi hotspot without searching for devices, pairing and entering connection details manually.

Using Bluetooth pairing as an example, enable NFC, Huawei Beam, and Bluetooth on both devices. Open the Bluetooth pairing screen on both devices and place the NFC detection areas of devices close together. When the sending device plays an audio prompt and content on the screen shrinks, follow the onscreen instructions and touch the screen on the sending device to establish a Bluetooth connection

> If there is a **Read and write/P2P** switch on the NFC screen, ensure it is also enabled. Features may vary depending on your carrier.

Transfer Data between Your Phone and Computer

Use a USB cable to connect your Phone to your computer and transfer data.

Select USB connection mode

Use a USB cable to connect your Phone to the computer, you can then select a default connection method. You can transfer photos and files between your Phone and computer, or charge your Phone through the USB connection to your computer.

Swipe down from the status bar to open the notification panel, then touch **Settings** > **Touch for more options** and select a method for connecting your device and your computer.

- **Transfer photos**: Transfer photos between your Phone and computer.

- **Transfer files**: Transfer files between your Phone and computer.

- **Charge only**: Charge your Phone with just a USB cable.

- **Reverse charge**: Connect your Phone to another device with a USB Type-C cable to charge the other device.

- **Input MIDI**: Use your Phone as a MIDI input device and play music on your computer.

Transfer data over a USB port

Connect your Phone to your Computer using a USB cable to transfer data and perform other tasks.

- **Transfer files**: Media Transfer Protocol (MTP) is a type of transmission protocol for media files. You can transfer files between your Phone and computer using this connection method. First, install Windows Media Player 11 or later on your computer.

  Swipe down from the status bar to open the notification panel, and then set your USB connection method to **Transfer files**. Your computer will automatically install the necessary drivers. After the installation is complete, click the new drive icon named Phone on the computer to view the files on your Phone. You can use Windows Media Player to view the media files on your Phone.

- **Transfer images**: Picture Transfer Protocol (PTP) is a protocol that allows you to transfer images. You can upload and share photos between your Phone and computer using this connection method.

  Swipe down from the status bar to open the notification panel, and then set your USB connection method to **Transfer photos**. Your computer will automatically install the necessary drivers. After the installation is complete, click the new drive icon named Phone on the computer to view the images on your Phone.

- **Transfer MIDI data to your Phone**: MIDI (Musical Instrument Digital Interface) is an industry standard audio format for composing music established by electronic instrument manufacturers.

  Swipe down from the status bar to open the notification panel, and then set your USB connection method to **Input MIDI**. You can then use Phone to receive and process MIDI messages transmitted by other devices.

Use Huawei Share to Quickly Share Files Between Huawei Devices

You can use Huawei Share to quickly transfer photos, videos and other files between Huawei devices. Huawei Share uses Bluetooth to detect other nearby Huawei devices and then uses Wi-Fi Direct to quickly transfer files without using mobile data.

> Huawei Share uses Wi-Fi and Bluetooth to transfer data. When Huawei Share is enabled, both Wi-Fi and Bluetooth are automatically enabled.

Use Huawei Share to send files: Select the files you want to share and then touch **Share**. To send files, select a receiving device from the list of nearby devices and confirm.

Use Huawei Share to receive files: Swipe down from the status bar to open the notification panel, and then touch ⟨(•)⟩ to enable Huawei Share. Touch **ACCEPT** when the file transfer notification is displayed. Received files are saved by default to your **Huawei Share** folder in **Files**.

> 🛈 No confirmation is required if the two Huawei devices have been logged in using the same HUAWEI ID.

Transfer Files between Your Phone and Computer Using Huawei Share

With Huawei Share, you can easily share photos and files from your Phone to your computer (PC/Mac), with no USB cable necessary.

> 🛈 • Huawei Share uses Wi-Fi and Bluetooth to transfer data. When Huawei Share is enabled, Wi-Fi and Bluetooth are automatically enabled.
>
> • During the data transfer, ensure that your Phone and computer are connected to the same network (for example, to the same Wi-Fi network).

Share files on your Phone with a PC

1 Open 🔧 **Settings**, then touch **Device connectivity** > **Huawei Share** to enable **Huawei Share**. Record **Name shown on computers**.

2 From your PC, open the Network folder, and double-click **Name shown on computers**.

3 Then enter the password. You can view the password under **Device connectivity** > **Huawei Share** > **Verification on computers**.

4 View your albums or internal storage.

Share files on your Phone with a Mac computer

1 Open **Settings**, then touch **Device connectivity** > **Huawei Share** to enable **Huawei Share**. Record **Name shown on computers**.

2 From your Mac, open **Finder** and double-click the recorded **Name shown on computers**.

3 Choose to register a new user, then enter the user name and password. You can then view the password under **Device connectivity** > **Huawei Share** > **Verification on computers**.

4 View your albums or internal storage.

One-Touch Printing with Huawei Share

How do I quickly print travel photos, work files, or my children's homework from my Phone? Experience the ease of one-touch printing with Huawei Share.

Huawei Share's one-touch printing feature is convenient and easy to use. To start using it, swipe down from the status bar to display all shortcuts, and enable **Huawei Share**. Select the file you want to print, and then touch **Share**. If a supported printer is nearby, your Phone can easily detect it. Just touch the printer's name, adjust any specifications on the preview screen, and then touch **PRINT**.

![info icon]

- Huawei Share now supports one-touch printing for images and PDF files.

- For a list of supported printers, touch **Learn more** in the Huawei Share section (access this section by touching the Share icon on the picture or PDF you want to share), swipe left on the screen, then touch **What printers are supported?** to see the list.

Share Your Mobile Network with Other Devices

Have extra mobile data at the end of the month? You can share it with your friends.

You can use Wi-Fi hotspot or Bluetooth to share your mobile data with other devices.

Use Wi-Fi hotspot to share mobile data: Open **Settings** and go to **Wireless & networks** > **Tethering & portable hotspot** > **Portable Wi-Fi hotspot** > **Configure hotspot**. Set the hotspot name, encryption type, and password for the Wi-Fi hotspot, then touch **Save** and enable the hotspot to use it.

  ⓘ **Worried other devices will have unlimited access to your hotspot data?** On the **Portable Wi-Fi hotspot** screen, touch **Data limit** to set the data limit for a single session. When the data sharing limit is reached, your device will automatically disable the hotspot.

Use Bluetooth to share mobile data: Establish a Bluetooth connection between devices before using Bluetooth to share your mobile data. Open **Settings**, go to **Wireless & networks** > **Tethering & portable hotspot**, and enable **Bluetooth tethering**. On the **Bluetooth** screen of the paired device, touch next to the paired device, and enable **Internet access** to establish an Internet connection and share your mobile data.

Use USB to share mobile data: Use a USB cable to connect your device to a computer. Open **Settings**, go to **Wireless & networks** > **Tethering & portable hotspot**, and enable **USB tethering** to start sharing your mobile data.

  ⓘ Depending on the operating system, you may need to install drivers or establish the relevant network connection on your computer before using this function. Refer to your computer's operating system guide for more information.

More Features

Enable Password Vault

Forget your password when logging in to an app? Password vault saves and automatically fills in your passwords, allowing you to log in to apps on your Phone more conveniently and securely.

Enable or disable Password vault: Password vault is enabled by default. After you update your Phone, you can enable Password vault by performing the following operations:

1 You need to enter the lock screen password to log in to Password vault. Open Settings, and go to **Security & privacy** > **Password vault**.

2 Enter the screen lock password to access the **Password vault** screen.

3 Enable **Password vault**. When you log in to the app for the first time and select **SAVE**, the login account and password are automatically saved. When you log in to the app again, the password is associated with one of the encryption methods such as your facial image by default, which is convenient and secure.

4 Enable or disable **Autofill settings** for a single app. If the automatic filling function is enabled for an app, you can use a facial image or fingerprint to automatically fill in the password when you log in to the app, which is convenient and secure. If the automatic filling function is disabled for an app, you must enter the account and password to log in to the app.

ⓘ Password Vault is applicable to lots of applications such as WeChat and AliPay but not QQ, and some applications are not applicable due to version limits.

Enable App Lock

App lock allows you to set a password for your important apps. Once you restart your Phone or unlock the screen, you will be asked to enter your App lock password when opening the apps for the first time. App lock enhances the protection of your private information and prevents unauthorized access to important apps on your device.

Enable App lock: Open Settings. Go to **Security & privacy** > **App lock**. When you access the app for the first time, follow the onscreen instructions to set the password and enter the app lock. In subsequent access, you can directly enter the app lock password. On the App lock screen, enable App lock for the apps you want to protect. When accessing a locked app for the first time, you need to enter the password in the password text box. If you forget the password, touch **Forgot password**, enter the answer in the password protection question box, and reset the password. If you have not set the password protection, the **Forgot password** option is not available.

ⓘ If you have set up a fingerprint and facial recognition to unlock your Phone and are opening App lock for the first time, you can follow the onscreen instructions to associate your fingerprint and facial recognition with App lock for easier app unlocking.

Modify your App lock password and password protection: Touch on the App lock screen, and then touch **Change password** or **Change password protection** to modify your App lock password or password protection.

ⓘ If you enter a wrong password five times in a row while logging in to App lock, your Phone will
be locked for one minute. You can try again in one minute. If you enter a wrong password
another three times in a row, you will need to wait 10 minutes.

Enable PrivateSpace

Do you worry that potentially embarrassing information might be seen by your friends and co-workers
when you are showing them photos and other things on your Phone? PrivateSpace lets you store
private information in a hidden space within your device that can only be accessed with your
fingerprint or password.

ⓘ You can add up to three users to **Users** and **PrivateSpace** on your Phone. If you have already
added three users under **Settings** > **Users & accounts** > **Users** > **Add user**, you cannot add
more users to **PrivateSpace**.

Enable PrivateSpace: If you are using PrivateSpace for the first time, open 🔧 **Settings**, go to
Security & privacy > **PrivateSpace** > **Enable**, and follow the onscreen instructions to create your
PrivateSpace.

ⓘ You can only create one PrivateSpace.

Quickly switch between MainSpace and PrivateSpace: From the lock screen, you can quickly
switch between spaces using your fingerprint or password. After you restart your Phone, you are
required to first enter the MainSpace using your password. You can then switch between spaces from
your lock screen.

Enter PrivateSpace: You can enter your PrivateSpace directly from the lock screen using your
fingerprint or password. Alternatively, open 🔧 **Settings** in MainSpace, and go to **Security &
privacy** > **PrivateSpace** > **Log in** to enter your PrivateSpace.

Exit PrivateSpace: After entering your PrivateSpace, open 🔧 **Settings**, and go to **Security &
privacy** > **PrivateSpace** > **Exit**. When you exit your PrivateSpace, all system memory used by the
PrivateSpace will be freed. You can still switch back to your PrivateSpace when you need it.

Delete PrivateSpace: Deleting your PrivateSpace will permanently delete all apps and data stored
within your PrivateSpace and this data will be unable to be restored. You can delete your PrivateSpace
in the following ways:

● From the MainSpace, open 🔧 **Settings**, then go to **Security & privacy** > **PrivateSpace** and
touch ⋮ > **Delete PrivateSpace**.

● In PrivateSpace, open 🔧 **Settings**, and go to **Security & privacy** > **PrivateSpace** > **Delete**.

Set Your Home Screen Wallpaper

Tired of default wallpapers? Set a photo you like as your home screen wallpaper to personalize your
home screen.

Open 🔧 **Settings**, and then go to **Home screen & wallpaper** > **Wallpaper**. You can:

Set a picture as your home screen wallpaper: Touch **Gallery** or select a preset wallpaper in your device, and follow the onscreen instructions to select **Lock screen**, **Home screen** or **Both**.

Set a photo as your wallpaper from Gallery: Have a great photo you want to set as your wallpaper? In ▧ **Gallery**, open the photo that you like, go to ⋮ > **Set as** > **Wallpaper**, and follow the onscreen instructions to set the photo as your home screen wallpaper.

Manage Your Home Screen Widgets

Want to quickly add widgets such as screen lock, weather, notepad, clock, contacts, or calendar to your home screen? You can add, move or delete home screen widgets to tidy up your home screen and ease your usage experience.

Add widgets: Touch and hold an empty area on the home screen to enter home screen editing mode. Touch **Widgets**, touch and hold a widget and drag it to an empty area on the home screen, or touch the widget you want.

ⓘ Check that there are enough empty spaces on the home screen for the widget. If there is not enough space, add an empty screen page or free up some space on the current home screen page.

Delete widgets: Touch and hold a widget on the home screen until your Phone vibrates, and then select **Remove**.

Move widgets: Touch and hold a widget on the home screen until your Phone vibrates. Drag the widget to any position on the screen.

Use App Drawer to Store Apps

Want to store your apps in one location on your home screen to make your home screen look cleaner? You can enable app drawer on your home screen to store all your apps and free up space on your home screen.

Open **Settings**, go to **Home screen & wallpaper** > **Home screen style**, and select **Drawer**. If you want to switch back to a standard home screen, select **Standard**.

> **Add an app icon from app drawer to the home screen**: After you enable app drawer, touch on the home screen to enter the app list. From the app list, touch and hold the app icon that you want to add until your Phone vibrates, and then drag it to the desired position on the home screen.

Enable TalkBack to Have Onscreen Content Read Aloud

TalkBack reads aloud content on the screen that you touch, select, or activate. It is a useful tool that helps visually impaired users interact with their Phone.

1 Open **Settings** and go to **Smart assistance** > **Accessibility** > **TalkBack** > to open the TalkBack settings screen.

2 Enable **TalkBack** and touch **OK**. Your device will launch a tutorial when you enable TalkBack for the first time. If you need to listen to the tutorial again, touch , open the TalkBack settings screen, and then launch the tutorial.

3 Touch and enable **Explore by touch**. When **Explore by touch** is enabled, your device will read out content that you touch.

Why does my Phone suddenly start reading out content on the screen? How do I disable this feature? You may have enabled TalkBack by accident. To disable TalkBack, press and hold the Power button until your device vibrates, and then touch the screen with two fingers for at least three seconds.

Enable Memory Cleanup

Your Phone may slow down over time as your storage space gets smaller. You can use memory cleanup to free up storage space, improve system performance, and keep your Phone running smoothly.

Open **Phone Manager**. Touch **Cleanup** to clear memory and cache and optimize performance. If your storage space is still low, you can perform a deep clean to free up additional storage space.

New Device

New Device Configuration

Connecting to the Internet

Connect to Wi-Fi networks effortlessly with your device.

Connecting to a Wi-Fi network

1 Swipe down from the status bar to open the notification panel.

2 Touch and hold 🛜 to open the Wi-Fi settings screen.

3 Switch on **Wi-Fi**. Your device will list all available Wi-Fi networks at your location.

4 Select the Wi-Fi network you want to connect to. If you select an encrypted network, you will also need to enter the Wi-Fi password.

Connecting using mobile data

ⓘ Before using mobile data, ensure that you have a data plan with your carrier to avoid incurring excessive data charges.

1 Swipe down from the status bar to open the notification panel.

2 Touch ① to enable mobile data.

ⓘ When you don't need to access the Internet, disable mobile data to save battery power and reduce data usage.

Enroll Your Facial Information to Enable Face Unlock

Face unlock allows you to quickly unlock your Phone by holding it up to your face.

⚠ • Only the owner can enable Face unlock. This feature is not available for users or guests, and not supported in PrivateSpace either.

• Face unlock is not available if the screen unlock password has not been entered for three or more days in a row, or if your Phone has been remotely locked, or has been restarted.

• When using Face unlock to unlock your Phone, keep your eyes open, face yourself directly towards your Phone, and keep your face at a distance of 20 cm (7.87 in.) to 50 cm (19.69 in.) from your device. In order to scan your face accurately, avoid using this feature when you are in a dark environment or when facing direct light.

1 Open ⚙ **Settings**. Go to **Security & privacy** > **Face recognition** and enter your screen unlock password.

2 You can select **Enable Pick up to wake device to enhance the Face unlock experience**. In this case, your Phone will turn on the screen and identify your facial features to unlock the screen automatically whenever you pick up your Phone and hold it to your face. If you do not wish to use this feature, you can disable this option. Touch **Enroll face** and follow the onscreen instructions to enroll your face.

3 Methods to set Face unlock:

- **Direct unlock**: Turn on the screen. Your Phone identifies your facial features and unlocks the screen.

- **Swipe to unlock**: Turn on the screen. After your Phone identifies your facial features, swipe the lock screen to unlock your device.

- **Smart display of lock screen notifications**: Enable **Slide to unlock** and **Smart lock screen notifications**. On the lock screen, your Phone hides notification details by default and displays them only after identifying the device owner's face.

- **Access app lock**: Enable **Access app lock** to access apps and locked apps using Face unlock.

Pick Up to Unlock

Open ![Settings icon] **Settings**, and go to **Security & privacy** > **Face recognition**. When enrolling facial data, select **Enable Pick up to wake device to enhance the Face unlock experience**, and set the Face unlock method to **Direct unlock**. Once the setup is complete, you can simply raise your Phone to unlock the screen, without a password or fingerprint.

If you haven't selected **Enable Pick up to wake device to enhance the Face unlock experience** when enrolling facial data, you can open ![Settings icon] **Settings**, go to **Security & privacy** > **Face recognition**, and set the Face unlock method to **Direct unlock**. Then, open ![Settings icon] **Settings**, go to **Smart assistance** > **Motion control** > **Pick up**, and select **Wake up device**.

Enroll a Fingerprint

You can enroll a fingerprint on your Phone and then use your fingerprint to unlock your screen or access your Safe or App Lock without a password.

⚠️
- Fingerprint unlocking is only available when your unlock method is set to **Pattern**, **PIN** or **Password**. You will be required to unlock your Phone using the screen unlock password after the device is restarted or if your fingerprint is not recognized.

- Before enrolling a fingerprint, make sure your finger is clean and dry.

1 Open ![Settings icon] **Settings**.

2 Go to **Security & privacy** > **Fingerprint ID** > **Fingerprint management** > **Change unlock method**, select **Pattern**, **4-digit PIN**, **Custom PIN** or **Password**, and then follow the onscreen instructions to set an unlock password.

3 Once you have set an unlock password, touch **New fingerprint** to enroll a fingerprint.

4 Place your fingertip on the fingerprint sensor. Press down lightly on the sensor until your device vibrates. Repeat this step using different parts of your fingertip.

5 After enrollment is complete, touch **OK**.

To unlock the screen, simply place your fingertip on the fingerprint sensor.

Connect to Wi-Fi

By connecting your device to a Wi-Fi network, you can effectively save mobile data.

> ⓘ To avoid potential security risks (such as unauthorized access to your personal data and financial information), please exercise caution when connecting to a public Wi-Fi network.
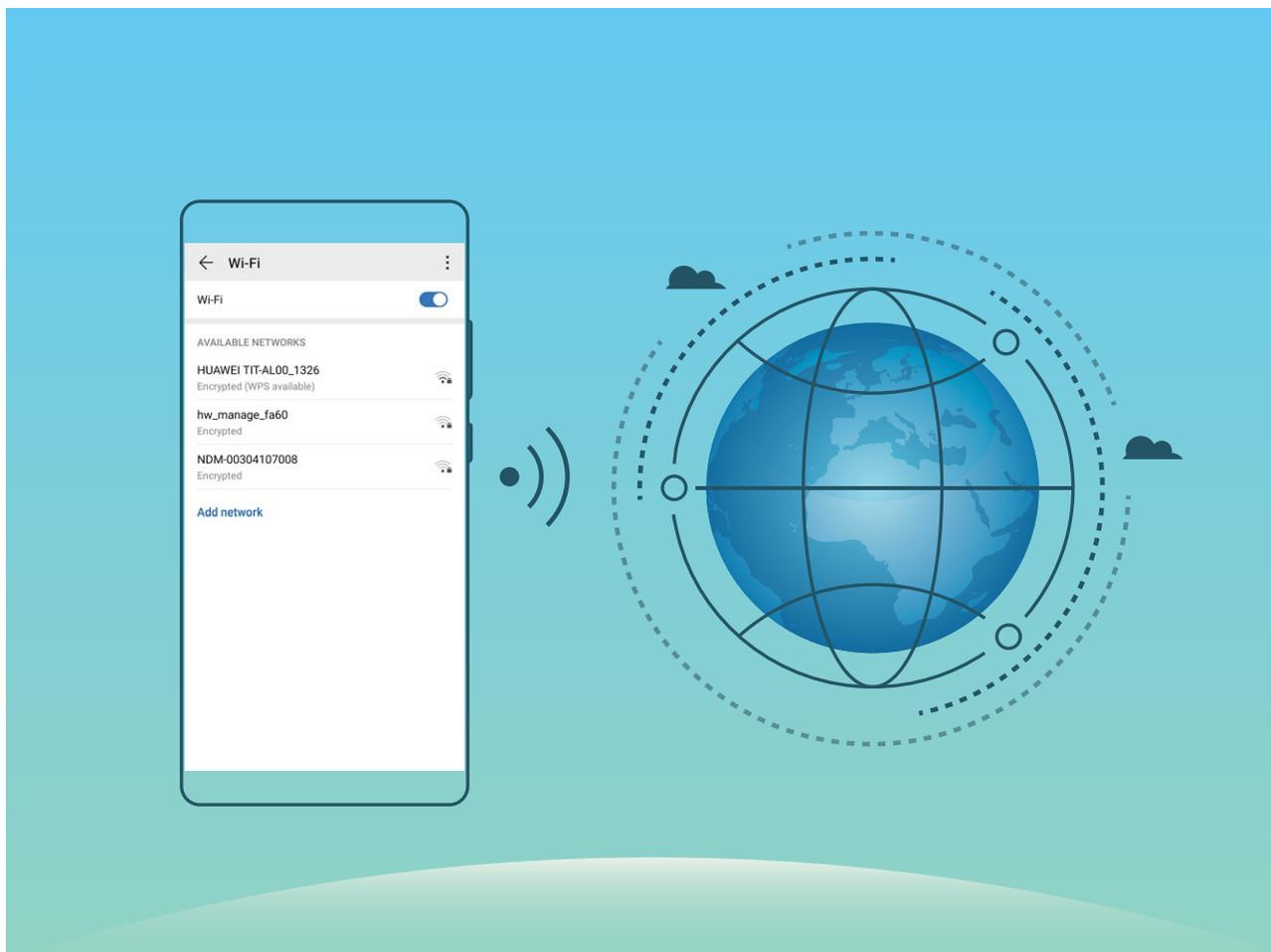

Connect to a Wi-Fi Network: Open **Settings**, go to **Wireless & networks** > **Wi-Fi**, and enable **Wi-Fi**. Touch a Wi-Fi network to access it, and enter the network password or complete the authentication if required. Alternatively, you can scroll to the bottom of the menu, touch **Add network**, and follow the onscreen instructions to add a network hotspot by entering its name and password.

Smart Charging: Charge Your Device Faster and Safer

Many people find ordinary charging too slow, but worry about the safety of fast-charging. Worry no more: SmartCharge has you covered. SmartCharge establishes a direct connection between the Phone and the charger and intelligently coordinates the charging voltage and current based on the battery power of the Phone to provide a smarter, faster, and safer charge.

> ⚠ Make sure you are using the original charger and USB cable when charging your Phone. Using a third-party charger or USB cable may cause repeated restarts, longer charges, overheating, and in extreme cases, Phone battery damage or even explosion.

Gestures and Operations

Screenshots and Screen Recording

Record Exciting Moments on Your Screen

The screen recording feature comes in handy when you are making tutorial videos or if you want to record your gaming exploits to share with your friends using your Phone.

> - Screen recording will end if you make or answer a call.
> - If you are using the sound recording function of your Phone before screen recording, **Enable microphone** is disabled by default.
> - If you have enabled **Enable microphone**, your device will record all ambient sounds in the recording. It is recommended that you record your screen in a quiet environment.

Use shortcut to start recording: Swipe down from the status bar to open the notification panel, and then touch ▣ to start recording the screen. You can enable or disable **Enable microphone** based on your needs. To end the recording, touch ▢ in the upper left corner of the screen.
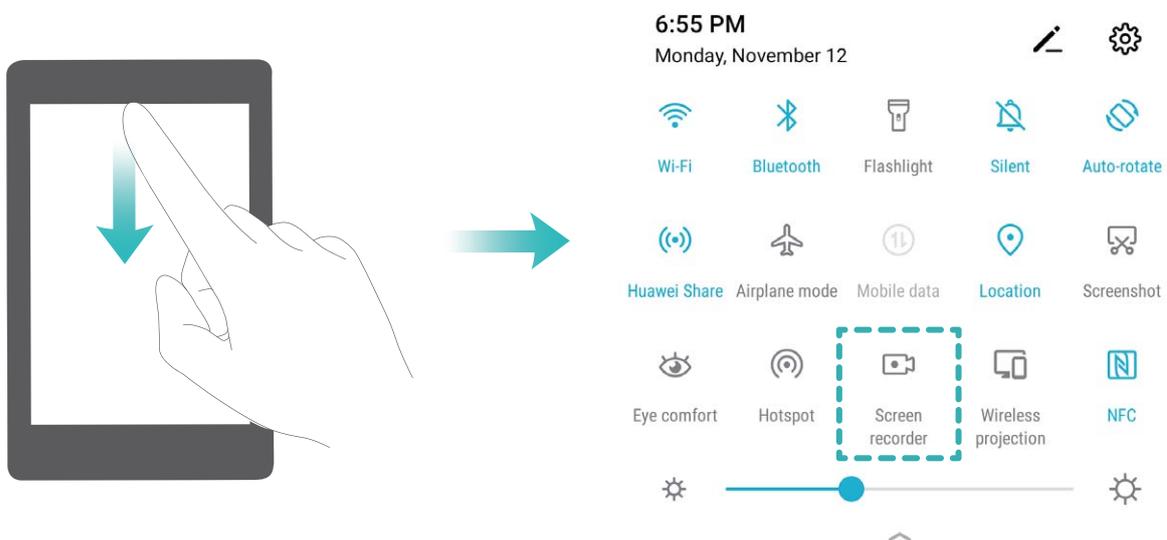
Use key combination to start recording: Simultaneously press and hold the **Power** button and the **Volume up** button to begin recording. You can enable or disable **Enable microphone** based on your needs. To end the recording, simultaneously press and hold the **Power** button and the **Volume up** button again.

Use knuckle to start recording: Knock the screen twice in quick succession with two knuckles to start recording. You can enable or disable **Enable microphone** based on your needs. To end the recording, gently and rapidly knock the screen twice with two knuckles again.

You can view your screen recordings in **Gallery**.

Take a Screenshot of Your Entire Screen

Use combo key to take screenshot: Simultaneously press and hold the Power button and the Volume down button to take a screenshot of the full screen.

Use shortcut switch to take screenshot: Swipe down from the status bar and open the shortcuts panel, then touch to take a screenshot of the full screen.

Use knuckle to take screenshot: Use a knuckle to gently double-tap the screen in quick succession to take a screenshot of the full screen.
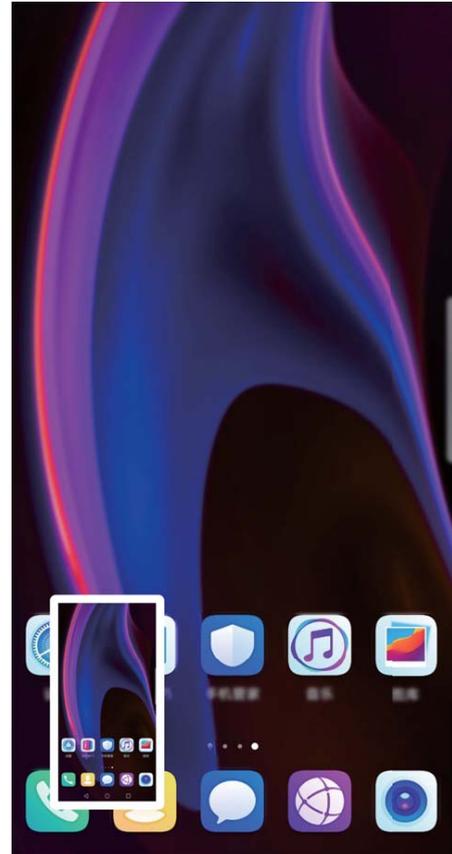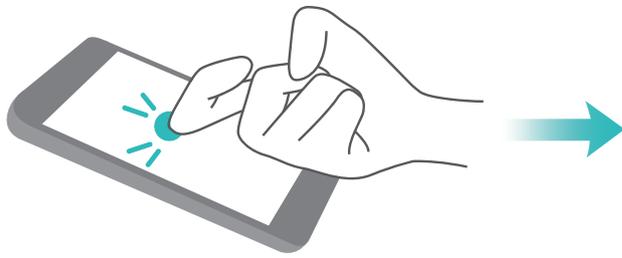
Home Screen

Navigation Bar

Configure Your Navigation Bar Layout

Using the navigation bar, you can conveniently access the home screen, return to the previous page, exit an app, or view recent apps used.

To configure your navigation bar layout, touch ⬤ **Settings**, then go to **System** > **System navigation** > **Three key navigation** > **Settings**, and select the navigation key combination and enable or disable **Hide navigation keys** based on your usage habits.
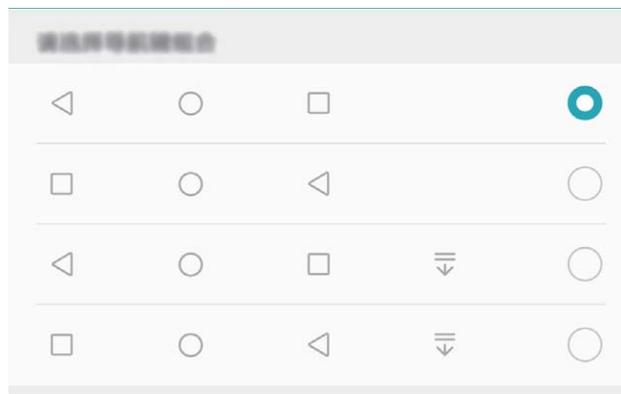
- ◁ **Back key:** Touch to return to the previous page or exit an app. Touch to close the onscreen keyboard when inputting text.

- ○ **Home key:** Touch to return to the home screen. Touch and hold to display the HiVoice icon and swipe upwards on the icon to enable HiVoice features.

- ▢ **Recent key:** Touch to open a list of recently used apps. Touch and hold to enable split screen mode.

- ⤓ **Downward swipe notification key:** Touch to open the notification panel.

Use the Recent Key to Manage Background Apps

If you want to quickly switch to a recently used app, you might try using the Recent key. The Recent key can help you quickly switch between several recently used apps. You can also use it to close your background apps to increase your Phone's operating speed.

Touch ▢ . You can view, switch to, close, or lock recently used background apps:

- **View recently used apps**: Recently used apps will be displayed on the screen and you can check them by swiping left or right.

● **Switch to a recently used app**: Swipe left or right on the screen to find the app you want to use, and touch the app tab.

● **Close an app**: Swipe up on an app tab to close the corresponding app.

● **Close all apps**: Touch ▯▥ to close all apps.

Use Shortcut Switches to Quickly Enable Frequently Used Features

Want to quickly enable or disable mobile data or hotspot? You can enable frequently used features by using shortcut switches.

Organize shortcuts

Touch and hold to enter Settings

Touch to enable this feature

View all shortcuts
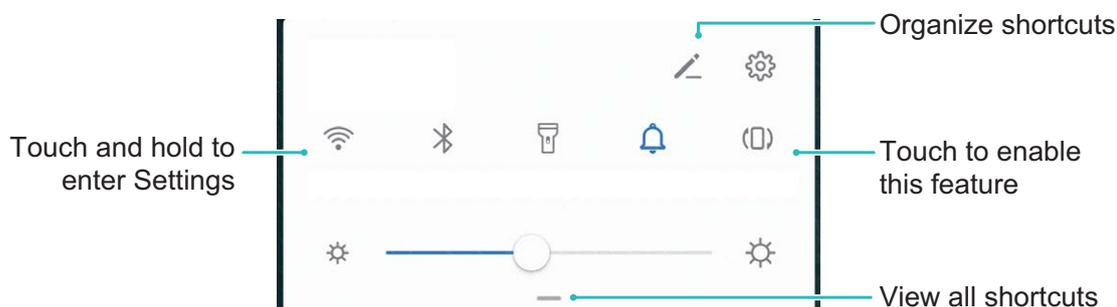
Notification Panel and Status Bar

Open the Notification Panel to Get Important Information

Want to ensure that you do not miss out on any important notifications? From your Phone's status bar, you can view real time notification information and your device's operating status.

When there is a notification reminder, you can turn on the screen and swipe down from the status bar to view the notification. You can access notification and status bar settings in the following ways:

Access notification panel when the screen is unlocked: Swipe down from the status bar to open the notification panel. You can turn on or off shortcut switches, or touch notifications to view the details.
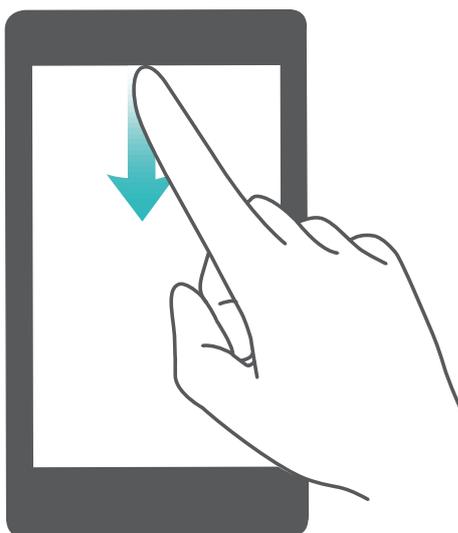
Want the notification and status bar to display only the number of notifications or to display no

notifications? Touch ![Settings icon] **Settings**, and go to **Notifications** > **More notification settings** >
Notification method. Then, select **Numbers** or **None** as required.

Disable Disruptive App Notifications

Find it annoying to receive so many different types of app notifications? You can set and disable app
notifications to prevent this from happening.

Open ![Settings icon] **Settings**, and go to **Notifications**. You can:

- **Disable push notifications from an app**: On the **Notifications** screen, find and touch the desired
  app, and then turn off .
- **Prevent all apps from pushing notifications**: Touch **Batch management**, and then turn off **All**.

Customize Notifications

Not a fan of the default notification reminders? You can customize your notification reminders so that
you get your notifications the way you want them.

Open ![Settings icon] **Settings**, then go to **Notifications** > **More notification settings**. From here, you can:

- **Enable Notifications turn on screen**: Enable **Notifications turn on screen**. When your Phone
  screen is off, it will turn on when a notification is received.
- **Set Pulse notifications light**: Turn on **Pulse notification light**, and the notification light will flash
  whenever you receive new notifications.
- **Set notification method**: Touch **Notification method**. Depending on your preferences, you can
  select **Icons**, **Numbers**, or **None**.

Screen Lock and Unlock

Set a Lock Screen Password to Protect Your Privacy

Your Phone stores a lot of sensitive information, such as personal photos, contact information, banking apps (for example, Alipay). Set a lock screen password so that a password is required each time you unlock your Phone. A lock screen password helps to protect your private information if your Phone is lost or accessed by an unauthorized user.

Set a lock screen password: Open 🕐 **Settings**, go to **Security & privacy** > **Lock screen password**, and set the type of lock screen password you prefer.

- **Set a PIN**: A PIN number is a sequence of digits. Entering a PIN to unlock your Phone is quick and simple. For better security, use a long sequence of random numbers as your PIN. Go to **Set lock screen password**, follow the prompts to set up a PIN. Alternatively, touch **Change unlock method**, and set **4-digit PIN** or **Custom PIN**.

- **Set a pattern**: Unlock your Phone by drawing a preset pattern on the screen. For better security, use a pattern that includes overlapping line segments. Go to **Set lock screen password** > **Change unlock method** > **Pattern** and draw the same pattern twice. The pattern must connect at least 4 dots.

- **Set a password**: A password made up of numbers, letters, and special characters is more secure than a PIN or pattern. For better security, use a password with 8 or more characters that includes numbers, letters, and special characters. Be sure to memorize the password so that you don't get locked out of your Phone if you forget it. Go to **Set lock screen password** > **Change unlock method** > **Password**, follow the prompts to set up a password.

- **Unlock your device using a smart band**: If your device supports unlocking with a smart band, the screen will automatically light up when the band comes within 80 cm of your device. Swiping on the screen of your Phone will instantly unlock the device. Touch **Smart unlock**, and follow the onscreen prompts to complete the setup.

- ℹ️ **Unlock your device using a fingerprint**: If your device supports fingerprint unlock, this is the recommended unlock method. Using a fingerprint is a secure and quick way to unlock the device. After setting a lock screen password, touch **Enroll** in the dialog box that pops up and follow the onscreen prompts to enroll your fingerprints.

  - **For security reasons, please do not disable the lock screen password:** A lock screen password prevents unauthorized access to your device. For the security of your device, do not select **Disable lock screen password** as the screen lock method.

  - **Regular password prompts help you to remember your password:** If you have not entered your screen lock password for 3 days, the system will require that you enter the password to unlock your device.

Lock the Screen to Quickly Secure Your Phone

If you don't use your Phone for a set period of time, the screen will turn off and lock. As long as the screen stays on, you can use your Phone without needing to unlock the screen. Lock your screen when you are not using your Phone to protect your privacy and prevent mistaken inputs.

ⓘ Set a lock screen password to help protect your privacy. You can lock your device in the following ways:

Lock the screen instantly with the Power button: Press the **Power button** to lock the screen at any time.

Lock the screen with one-touch screen lock: Pinch two fingers together on the home screen to enter the editing screen. Touch **Widgets** > **Screen Lock** and add the **Screen Lock** widget to your home screen. This helps reduce wear and tear on your power button. After leaving the home screen editing mode, touch the **Screen Lock** widget to instantly lock your screen. To lock your screen this way, first switch to the home screen page where the **Screen Lock** widget is located.

ⓘ You can swipe up from the bottom of the Magazine unlock screen to display the Magazine unlock shortcut panel and use widgets such as recorder, calculator, and flashlight.

# Home Screen Management

Manage Home Screen Icons

Is your home screen cluttered with app icons? You can move or delete icons from the home screen or sort and move them to folders for more convenient use.

Move a home screen icon: From the home screen, touch and hold an app icon until your Phone vibrates, then drag it to any position on the home screen.

Delete an app: From the home screen, touch and hold the icon of the app you want to uninstall until your Phone vibrates, and then touch **Uninstall**. Follow the onscreen prompts to delete the app.

ⓘ To ensure that the system runs normally, some preinstalled system apps cannot be uninstalled.

Create a folder: From the home screen, touch and hold an app icon until your Phone vibrates, then drag it on top of another icon. The two icons will now be placed in a new folder.
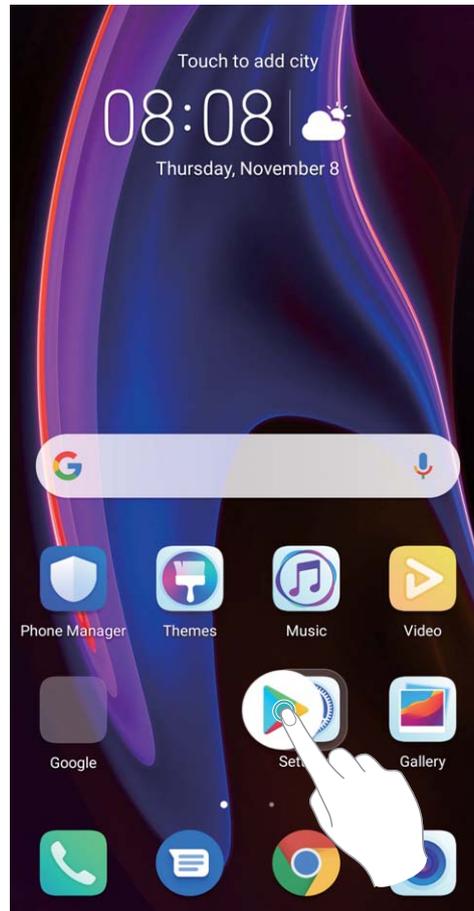
Delete a folder: Open the folder, touch ╋, deselect all the apps, then touch **OK**. The folder will be deleted automatically and all the app icons in the folder will be moved to your home screen.

Rename a folder: Open the folder, touch the folder name and enter a new name.

Add or remove app icons from a folder: Open the folder, touch ╋, select or deselect apps and then touch **OK**. The selected app icons will be automatically added to the folder while the deselected apps will be removed from the folder.

> ⓘ Another way to remove an app icon from a folder is to touch and hold the icon in the folder until your Phone vibrates, and then drag it to the home screen.

Manage Your Home Screen

Too many icons on your home screen? You can add a new page to your home screen and customize it to your liking.

Touch and hold an empty area on the home screen to enter home screen editing mode. You can do the following:

- **Add a new screen page**: Touch ╋ at the left or right side of the screen to add a new screen page.

- **Delete an empty screen page**: Touch ✕ to delete the page.

  > ⓘ Screen pages with app icons or widgets on them cannot be deleted.

⚫ **Modify screen page order**: Touch and hold the screen page you want to move, then drag it to the desired position.

⚫ **Set a default home screen page**: Touch ⌂ in the upper part of the home screen to set the selected screen page as your default home screen page.

Set Your Home Screen Wallpaper

Tired of default wallpapers? Set a photo you like as your home screen wallpaper to personalize your home screen.

Open 🔵 **Settings**, and then go to **Home screen & wallpaper** > **Wallpaper**. You can:

Set a picture as your home screen wallpaper: Touch **Gallery** or select a preset wallpaper in your device, and follow the onscreen instructions to select **Lock screen**, **Home screen** or **Both**.

Set a photo as your wallpaper from Gallery: Have a great photo you want to set as your wallpaper? In 📷 **Gallery**, open the photo that you like, go to ⋮ > **Set as** > **Wallpaper**, and follow the onscreen instructions to set the photo as your home screen wallpaper.

Manage Your Home Screen Widgets

Want to quickly add widgets such as screen lock, weather, notepad, clock, contacts, or calendar to your home screen? You can add, move or delete home screen widgets to tidy up your home screen and ease your usage experience.

Add widgets: Touch and hold an empty area on the home screen to enter home screen editing mode. Touch **Widgets**, touch and hold a widget and drag it to an empty area on the home screen, or touch the widget you want.

ℹ️ Check that there are enough empty spaces on the home screen for the widget. If there is not enough space, add an empty screen page or free up some space on the current home screen page.

Delete widgets: Touch and hold a widget on the home screen until your Phone vibrates, and then select **Remove**.

Move widgets: Touch and hold a widget on the home screen until your Phone vibrates. Drag the widget to any position on the screen.

Use App Drawer to Store Apps

Want to store your apps in one location on your home screen to make your home screen look cleaner? You can enable app drawer on your home screen to store all your apps and free up space on your home screen.

Open **Settings**, go to **Home screen & wallpaper** > **Home screen style**, and select **Drawer**. If you want to switch back to a standard home screen, select **Standard**.

ℹ️ **Add an app icon from app drawer to the home screen**: After you enable app drawer, touch ⊞ on the home screen to enter the app list. From the app list, touch and hold the app icon that you want to add until your Phone vibrates, and then drag it to the desired position on the home screen.

Contacts

Managing Business Cards

Scan Business Cards to Add Them to Contacts

Open ![icon] **Contacts**, go to **Business cards** > **Scan**, and you can:

- **Scan a single business card**: Place the business card on a flat surface and adjust the camera's focus frame so that the contents on the business card are clearly displayed in the viewfinder, then touch ◎ .
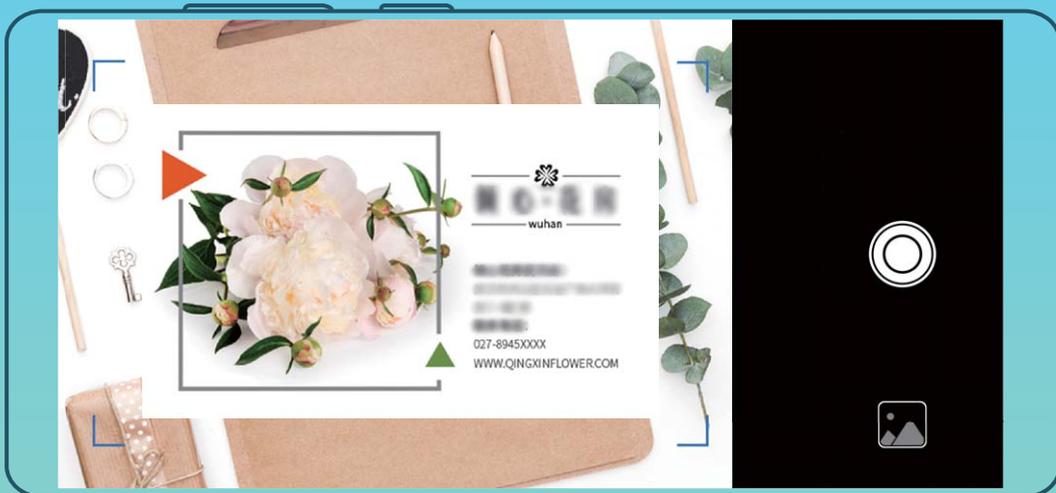

- **Scan multiple business cards**: Switch to **Multiple** mode and follow the onscreen instructions to capture multiple business cards.

The information on the business cards will be automatically converted into contact information and saved in **Business cards** in your Phone.

ⓘ To view a business card you have saved, open ![icon] **Contacts**, select scanned contacts, then go to **Details**.

Share Contacts Using Electronic Business Cards

Share your business card: Open **Contacts** and touch **My card** to set your profile picture and enter your name, work address, telephone number, and other information. Then touch ✓ and your device will automatically generate your QR code business card. You can share your business card directly using the QR code. Alternatively, touch ⟋, select a sharing method, and follow the onscreen instructions to share.

Share contacts: Open **Contacts**, select the contact you want to share, and touch the QR code icon in the upper right corner to share the contact using the QR code. You can also touch **Share**, select a sharing method, and follow the onscreen instructions to complete the sharing process.

> ⓘ If the other party's device supports QR code analysis, they can directly take pictures of or scan QR codes to add contacts.

Search Contacts

Open **Contacts**. You can use the following methods to search through your contacts:

> ⓘ For the best results, make sure you start with all the contacts displayed. On the contacts list screen, go to ⋮ > **Settings** > **Display preferences**, and touch **All contacts**.

- Drag the index on the side to quickly scroll through the list.

● In the search bar at the top of the contacts list, enter the contact name, initials, phone number, or email address. The results will be displayed below. You can also enter multiple keywords for your search, such as "John London", and the system will quickly find all matching contacts.

ⓘ If an error occurs while you're searching for a contact, on the contacts list screen, go to ⋮ >
   Settings > **Organize contacts** > **Rebuild index data**, and then touch **OK**.

Managing Contacts

Import and Export Contacts

When you switch to a new Phone, you'll need to transfer your existing contacts.

Open 📇 **Contacts**, go to ⋮ > **Settings** > **Import/Export**, and then select one of the following:

● **Import contacts**: Select **Import from storage**, **Import via Bluetooth**, or **Import from SIM** and follow the onscreen instructions.

● **Export contacts**: Select **Export to storage**, **Share contacts**, or **Export to SIM** and follow the onscreen instructions. By default, **.vcf** files exported through **Export to storage** are saved in the root directory of your device's internal storage. You can open **Files** to view exported files.

Manage Your Contacts

The Contacts app gives you a variety of features for managing your contacts. You can simplify your contacts list, choose to view contacts only on your Phone or SIM card, and easily find your frequent contacts.

Merge duplicate contacts: If there are duplicate contacts in your contacts list, you can use the

Merge duplicate contacts function to merge them. From the contacts list screen, go to ⋮ >
Settings > **Organize contacts** > **Merge duplicate contacts**, select the contacts you want to merge, and then touch **Merge**.

Display contacts for different accounts: Want to view contacts only on your Phone or SIM card?

From the contacts list screen, go to ⋮ > **Settings** > **Display preferences**, and select the accounts you want to display. You can also:

● **Enable Simple layout**: Want to hide extra information in the contacts list? From the contacts list

   screen, go to ⋮ > **Settings** > **Display preferences**, and enable **Simple view**.

● **View contact storage space**: Want to check your contact storage space? From the contacts list

   screen, go to ⋮ > **Settings** > **Display preferences**. In the **Accounts** field, you can see the available and total storage space on your SIM card.

Add contacts to Favorites: Tired of constantly searching through your contacts for a particular entry? You can Favorite your frequent contacts for quick and easy access. From your Contacts list screen, touch the entry you want to Favorite, then touch **Favorite** to add it to the Favorites screen.

Manage Contact Groups

Want to send a message to a group of colleagues or host a get-together? Smart groups automatically groups your contacts by company, city, and most recent contact time, so you can quickly send a group email or message.

Create a contact group: From the groups list, touch ＋, enter the group name (such as Family or Friends), and then touch **OK**. Follow the onscreen instructions to add contacts, and then touch ✓.

Send a message to smart group contacts: From the groups list, from the **Smart groups** section, open a group and touch 💬 to send a message or ✉ to send an email.

Edit a group: From the groups list, select the group you want to edit and touch ＋ to add a contact, or touch ⋮ for **Remove members**, **Group ringtone**, **Delete group** or **Rename**.

Delete a group: From the groups list, touch and hold a group, and then touch **Delete**.

Add Contacts to the Blacklist

You can add contacts to the blacklist to avoid receiving harassing or spam calls from them.

Open 👤 **Contacts**, touch the contact you want to add to the blacklist, and then go to ⋮ > **Block contact**. Your device will block all calls and messages from contacts in the blacklist.

View blacklisted contacts: Open 🛡 **Phone Manager**, go to **Blocked** > ⚙, and then touch **Blocklist** to view the blacklist.

Remove a contact from the blacklist: Open 👤 **Contacts**, touch the contact you want to remove from the blacklist, and then go to ⋮ > **Remove from blocklist**.

Erase Call and Message Records

Use Erase traces to erase call and message records for a contact to protect your privacy.

Open 👤 **Contacts**, select a contact with a call record, and go to ⋮ > **Erase traces** > **Erase**. After that, all of your call and message records for that contact will be erased.

Merging Third-party App Contacts

Associate Contact Information with Your Social Account

What does each contact in your Phone do? What are their emails? What are their job titles? You can use third-party social media apps (such as LinkedIn) to find out more information about your contacts.

Associate LinkedIn account: Open 👤 **Contacts**, go to ⋮ > **Settings** > **Associate LinkedIn account** and follow the onscreen instructions to log in to your LinkedIn account. Once logged in, your Phone will automatically update your local contacts information. To sync all your LinkedIn

contacts information, from **Contacts** in LinkedIn settings screen, go to **Sync LinkedIn contacts** > **All LinkedIn contacts**, and select **Sync** or **Auto-update LinkedIn**.

View contacts information provided by LinkedIn: Open a LinkedIn contact and touch **View LinkedIn profile online**.

Disassociate LinkedIn contacts: Go to **Contacts** > ⋮ > **Settings** > **LinkedIn**, and select **Disassociate**.

View a Sender's Job Description

If you've just started a new job, you'll need to quickly figure out what all of your new colleagues do. You can associate a social media account (such as LinkedIn) with your email contacts. The job information of email senders will then be displayed on the email details screen.

From the **Email** inbox, open an email you have received. Go to email details, then touch the sender's profile picture and select **View LinkedIn profile**.

Dialing

Basic Calling Functions

Make Calls

On the dialer screen, enter part of the telephone number or the first letter or pinyin initials of the contact's name. Your Phone will automatically search for the relevant contacts.

Open ![Dialer icon]**Dialer**. From the keypad screen, enter the phone number, first letter, or pinyin initials of the contact's name (for example, enter jl for John Lennon). Your device will automatically search Contacts and call logs. Touch the contact you want to call from the list. If it is a dual SIM device, touch ![icon] or

![icon] to make the call. You can check your contact's status (such as ringing) on your screen. Touch

![icon] to hang up.

> ![i] After you copy a phone number that you want to dial, the system prompts you to paste the number when you enter the dialer screen.

Press the power button to hang up: Accidentally dialed the wrong number and hid the calling screen, and want to hang up quickly? You can set **Power button ends call**. On the **Dialer** screen, go to ⋮ > **Settings** > **More**, and enable **Power button ends call** to quickly hang up calls.

Make Emergency Calls

In an emergency situation, if your Phone is powered on and within the service area, you can make emergency calls even if the screen is locked or there is no mobile reception.

> ⚠ The emergency call feature is subject to your local regulations and Internet service provider. Network issues or environmental interference may lead to failed emergency calls. In emergency situations, do not rely on your Phone as your only method of communication.

Open ![Dialer icon]**Dialer**, or touch **Emergency** on the lock screen, enter the local emergency number on the dialer, and then touch ![icon]. If your location has strong mobile reception and your Phone is connected to the Internet with enabled location services, your location will be obtained and displayed on your screen for reference.

Enable Call Waiting to Never Miss Important Third-Party Calls

Receiving an incoming call while you're already on a call? Call waiting allows you to answer the new call and then switch between the two calls.

> ![i] Some carriers may not support this feature.

Open ![Dialer icon]**Dialer**, go to ⋮ > **Settings** > **More**, and enable **Call waiting**. When receiving another call, touch ![icon] to answer the call and place your first call on hold. Touch ![icon] or the call on hold in the call list to switch between calls.

Enable Call Forwarding and Never Miss a Call

If you are unavailable to answer calls, you can set your device to forward calls to another number.

> *i* Some carriers may not support this feature.

Open Dialer, and go to ⋮ > **Settings** > **Call forwarding**. If you have a dual-SIM device, in the
SIM 1 or **SIM 2** section, touch **Call forwarding** and select a forwarding method. Enter the number
you want to forward your calls to, then confirm. When call forwarding is enabled, your device will
automatically forward eligible calls to the preset number.

Delete Call Logs

You can delete call logs that you no longer need.

Open Dialer and touch ⬚ to hide the dialpad. You can now perform one of the following:

● **Delete a single record**: Touch and hold an entry, then touch **Delete entry**.

● **Delete multiple records**: Go to ⋮ > **Delete multiple entries**, select the entries you want to

delete or **Select all**, then touch 🗑 .

Activate International Roaming for Borderless Communication

When you travel abroad for work or a holiday, you can make calls when your Phone is roaming
without having to dial the country code.

1 Contact your carrier to activate the international call or roaming service.

2 Open Dialer or Contacts, and make a call.

VoLTE

VoLTE: Make Calls and Use Data at the Same Time

VoLTE (Voice over LTE) allows both call and data services to be carried on the same 4G network, which
means you can use the Internet even while making calls. VoLTE also provides you with shorter call
connection times and higher quality voice and video calls.

Both of your Phone's SIM card slots support 4G, VoLTE, and VoWiFi, so there is no need to switch
SIMs back and forth.

● **Dual 4G**: Both of your Phone's SIM card slots support 4G.

● **Dual VoLTE**: Both of your Phone's SIM card slots support VoLTE, allowing you to use the Internet
while making HD calls.

● **Dual VoWiFi**: Both of your Phone's SIM card slots support VoWiFi, which allows calls to be made
using Wi-Fi. You can use VoWiFi to make calls even in Airplane mode.

> *i* Some carriers may not support this feature.

Use VoWi-Fi for a New Calling Experience

You can use **VoWi-Fi** to make voice and video calls in any location that has a Wi-Fi network, even when there is no mobile network reception.

> This feature must be supported by your carrier. Contact your carrier for more information, including fees and charges.

Open **Dialer**, go to ⋮ > **Settings** > **Wi-Fi calling**, enable **Wi-Fi calling**. Touch **Mode** and follow the onscreen instructions to set the preferred network.

Message

Basic Messaging Functions

Send Messages

Text messages give you a quick and easy way to communicate with friends, family and colleagues. In addition to text, you can also add emojis or insert pictures and audio files to enrich your messages.

Send a message: Open **Messages**. From the Messaging list screen, touch and select contacts or groups. Enter your message content, touch to add other types of content, and touch to send the message.

Save a draft message: Touch **Back key** to save a message as a draft.

Manage Messages

The Messaging app makes it easy to stay on top of your messages.

Open **Messages**. In the list of message threads, touch a contact name or phone number to view the conversation thread.

Reply to messages: Enter the message content in the text box and touch .

Archive a message: Worried about accidentally deleting an important message? Touch and hold a message and then touch to archive the message.

Delete a message: Tired of the clutter created by too many messages? Delete unneeded conversations or messages to clean up your Messaging list. To delete conversations or messages, touch and hold the conversations or messages to enter the editing screen, select the conversation or message, and touch . Deleted messages cannot be recovered.

Search messages: Want to find a message quickly? From the Messaging list screen, enter the keywords in the search bar and the relevant results will be displayed beneath the search bar.

Block a contact: Want to stop someone from sending you spam messages? Touch and hold a message and then touch to block the contact.

Block Spam Messages

Tired of receiving spam messages? Enable message blocking and say goodbye to spam messages!

Open **Messages**.

Use the harassment filter to perform the following:

Block messages: Touch and hold a message and touch to block messages and calls from that number.

Unblock messages: Touch ⋮ and touch **Blocked contacts**. Touch ✕ at the end of the phone number to unblock the number.

Set MMS Message Automatic Download Rules

Set MMS message automatic download rules to prevent costly mobile data usage.

Open 📧 **Messages** and touch ⋮ . Go to **Settings** > **Advanced**.

From here you can configure the following:

Whether to retrieve MMS messages automatically: Disable **Auto-download MMS** to prevent your device from automatically downloading MMS messages.

Whether to retrieve MMS messages automatically when roaming: Disable **Auto-download MMS when roaming** to prevent your device from automatically downloading MMS messages in roaming mode.

Camera

Basic Camera Functions

Using Basic Camera Functions

Learn about the basic camera functions to help you take better photos.

Enable AI photography

Open Camera settings

Enable Moving picture

Set flash mode

Enable HiVision

1x

Night Portrait **Photo** Video More

View photos or videos you've taken

Switch between the front and rear cameras
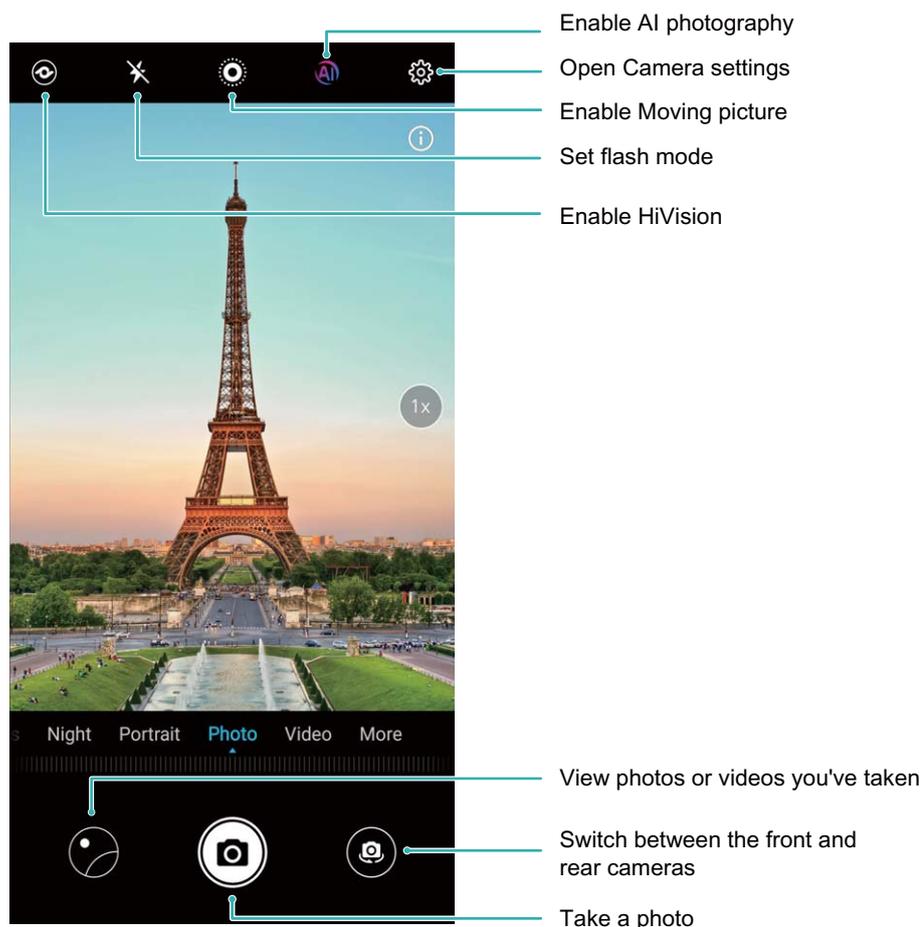
Take a photo

Take a photo: Open **Camera**. Touch or press the Volume down button.

Select a camera mode: Open **Camera**, choose a shooting mode located just above the shutter button on the viewfinder.

**Adjust the focal length:** On the viewfinder, spread two fingers to zoom in, or pinch them together to zoom out. When the distance between your phone and subject is greater than the focal length of the optical zoom, the photo quality decreases. Once you have begun zooming in and out, a slider will appear on the side of the screen, which you can also use to zoom in or out.

Adjust the exposure: The camera automatically adjusts the exposure according to the ambient light for the best effect, even under extremely strong or dim lighting conditions. The larger the exposure, the brighter the picture. To manually adjust the exposure, touch the viewfinder and slide the next to the focus.

Turn flash on or off: Turn on the flash to make your shot brighter in dim light. On the preview

screen, touch ⚡ᴬ to switch between the following modes:

- ⚡ᴬ **Auto**: The camera automatically determines whether to turn on the flash based on the ambient lighting.

- ✕ **Off**: Flash is disabled.

- ⚡ **On**: Flash is enabled.

- 💡 **Always on**: Flash is always on.

Capture smiles: On the viewfinder screen, touch ⚙ and enable **Capture smiles**. The camera automatically detects and captures a smiling face.

Mute or un-mute the shutter: On the viewfinder screen, touch ⚙ to turn the shutter sound on or off.

Enable or disable AI photography: In Photo mode, **AI photography** is automatically enabled to

intelligently identify scenes you are shooting. To disable this function, touch 🅰️ .

    ℹ️ **AI photography** is automatically disabled in Portrait mode and Moving picture mode.

Enable location: On the viewfinder screen, touch ⚙ , and enable **GPS tag**. With this function enabled, your location information will be recorded when you take a photo. This also allows you to search through pictures by location.

Use Assistive Grid to Compose Your Photos

Ever get annoyed that your photos turn out looking skewed or the subject always seems to be off-center? You can use your camera's assistive grid feature to help you line up the perfect shot.

To select an assistive grid, open 🔵 **Camera** and touch ⚙ to enter **Settings**. Then touch **Assistive grid** and select the type of grid or lines you want to use.

Rule of thirds composition method: Use either **Grid** or **Phi grid**. The four intersection points in the grid are the focus areas of the picture. Place the subject of your photo on one of the intersection points to achieve a good composition.

Spiral composition method: Use either **Fibonacci spiral (left)** or **Fibonacci spiral (right)**. Place the subject of your photo within the center of the spiral.

Use AR lens to Take Fun Photos

Want to up your selfie game? Try **AR lens** to add special stickers, change the background, and more.

Go to 🔵 **Camera** > **AR lens**.

There are several effects to choose from to make your photos stand out:

- **3D Qmoji:** Touch **3D Qmoji**, and select an animated Qmoji. The Qmoji will then mimic and act out your facial expressions and actions accordingly. Touch 📹 to record, or touch GIF and then touch and hold to create your own personalized Qmoji.

- **Add makeup effects to a photo or video:** Touch **Effects** to select your desired dynamic sticker. Touch to take a photo or touch 📹 to shoot a video with the sticker. Some animated stickers have sound effects that will be automatically added to the video.

- **Change photo or video backgrounds:** Touch **Backgrounds** to select your desired background. Touch to take a photo or touch 📹 to record a video with the selected background. Some animated backgrounds have sound effects that will be automatically added to the video.

  ℹ️ You can touch ＋ to add pictures you like in **Gallery** to **Backgrounds**.
  Backgrounds is only supported by the front camera.

Beautification is supported in several special effects mentioned above, and can be adjusted by touching 😊 .

Use Panorama Mode to Take Panoramic Photos

Panoramas provide a wider viewing angle than ordinary photos, letting you take sweeping landscape shots.

To capture a panorama shot, the camera takes multiple photos of objects within our visual field and stitches them together into a single photo.

> ℹ️ When taking a panorama, find a wide, open space that is some distance away from the subject and try to avoid backgrounds that are all in one color.

1 Go to 📷 **Camera** > **More** > **Panorama**.

2 Touch ↼●⇀ at the bottom of the screen to configure the shooting direction.

3 Hold your Phone steady, and then touch 📷 to start shooting. Slowly move the Phone in the direction indicated, holding the device steady and ensuring that the arrow stays level with the center line.

4 Touch ◼ when you are finished. The camera will automatically stitch the photos together to create a panorama.

Use 3D Panorama to Take 360-degree Photos

Try the 3D panorama function to capture a 360-degree view of a scene or person.

● **Shooting objects**: Go to 📷 **Camera** > **More** > **3D panorama**. Touch and hold 📷 , then follow the onscreen prompts to slowly move your Phone around your subject in one direction. Release 📷 to stop shooting. After shooting, touch the camera thumbnail, and then touch **3D** above the photo to generate a 3D panoramic photo.

- **Shooting scenery**: Go to **Camera** > **More** > **3D panorama**. Touch and hold , then follow the onscreen prompts to slowly move your Phone around your subject in one direction. Release to stop shooting. After shooting, touch the camera thumbnail, and then touch **3D** above the photo to generate a 3D panoramic photo.

After a 3D panorama has been generated, you can tilt your Phone or drag the photo to view the 3D effect.

Pro Mode

Use Pro Mode to Take Photos of Scenery

Want to make your photos of scenery more vibrant and interesting? Use Pro mode to take unique and rich photos of the landscape.

Go to **Camera** > **More** > **Pro** to enable Pro mode.

Select a metering mode based on your subject: On the Pro mode screen, touch , and select a metering mode accordingly.

Metering mode	Good for
Matrix	Broad landscapes of mountains, seas, etc.
Center	The subject is in the center of the picture, and far away from the landscape in the background.
Spot	The subjects you shoot are relatively small, such as flowers or trees.

Adjust brightness based on the shooting environment:

- **Adjust ISO:** On the Pro mode screen, touch ^{ISO}, and slide it left or right to make adjustments.
  - To avoid excessive noises, it is recommended that you keep the ISO below 400. The recommended ISO for the daytime is between 100 and 200 and depending on the lighting over 400 for night scenes.

- **Adjust the shutter speed:** On the Pro mode screen, touch S (shutter speed), and slide until your desired speed is in the center.
  - The recommended shutter speed for static scenes (such as mountains) is between 1/80 and 1/125. For faster moving subjects (such as waves) it is best to use a tripod and choose a faster shutter speed.

- **Adjust EV compensation:** On the Pro mode screen, touch ^{EV}, and slide until the desired value is in the center.

Adjust AWB: On the Pro mode screen, touch $\underline{AWB}$, and slide until the desired value is in the center.

- When shooting in sunlight, you can select ☀ , and for gloomy days, select ⛅ .

- Touch 📷 to adjust the color temperature. If you want to give your photo a cozy, nostalgic tone, increase the K value. For a cold, calm or futuristic tone, select a lower K value.

Adjust AF based on your subject: On the Pro mode screen, touch AF. , and slide until your desired mode is in the center.

Focusing mode	Good for
AF-S mode	Static scenes (such as mountains)
AF-C mode	Moving scenes (such as flowing water and waves)
MF mode	Stand-out objects (such as a close-up of a flower)

Level the camera: On the Pro mode screen, touch ⚙ , and touch **Horizontal level** to use the level. When enabled, two horizontal guide lines will appear in the viewfinder. When the dotted line overlaps with the solid line, it indicates that the camera is perfectly horizontal.

Save pictures in RAW format: On the Pro mode screen, go to ⚙ > **Resolution**, and enable **RAW format**. After this feature is enabled, pictures taken in Pro mode will be saved in both RAW and standard JPG formats.

- Some parameters in Pro mode affect each other, so adjusting one may cause some unwanted changes. Keep this in mind when setting up for your perfect shot.

- The recommended settings above are for reference only. You should adjust them based on the actual scene for best shot.

Use Pro Mode to Take Portraits

Want to take more professional portraits? Pro mode allows you to adjust your camera settings to shoot professional-level portraits.

Go to 📷 **Camera** > **More** > **Pro** to enable Pro mode.

Select a Metering mode: ⊡ or ⊡ is recommended for taking portraits. Line up your subjects

(their faces for example) so they are in the center of the viewfinder. Then touch ⊡ to select your desired Metering mode.

Adjust brightness based on the ambient light

- **Adjust ISO:** To avoid excessive noises, it is recommended that you use a lower ISO when taking portraits. You should also adjust the ISO based on the actual lighting conditions. To do this, touch

ISO , and slide it left or right to adjust the value.

Good for	Recommended ISO
Outdoors	Between 100 and 200

Good for	Recommended ISO
Indoors	Around 400
Night scenes	Between 400 and 800

- **Adjust shutter speed:** Choose a slower shutter speed if the ambient light is low and a faster one when it's stronger. The recommended shutter speed for static portraits is between 1/80 and 1/125.

   To shoot moving subjects, select a shutter speed of 1/125 or above. Touch S (shutter speed), slide until your desired speed is in the center.

- **Adjust EV compensation:** Increase the EV compensation if the subjects or background is in dim light, and decrease the EV compensation if the light is strong. Touch EV , and slide until the desired value is in the center.

Adjust AWB: Select AWB depending on the lighting conditions. When shooting in sunlight, you can select ☀ , and for gloomy days, select ⊞ . Touch AWB, and slide until the desired value is in the center.

Adjust focus: To make your subject stand out, it is recommended that you use manual focus (MF) when shooting portraits. When taking a close-up shot, touch the focus on the shot in the viewfinder to adjust the focus accordingly.

> - Some parameters in Pro mode affect each other, so adjusting one may cause some unwanted changes. Keep this in mind when setting up for your perfect shot.
> - The recommended settings above are for reference only. You should adjust them based on the actual scene for best shot.

Light Painting Mode

Light Painting: Shoot Light Trails

Light painting mode automatically sets a slow shutter speed to take long-exposure shots of light trails. This mode produces stunning photos that have an ethereal quality.

Light painting mode offers four creative shooting modes for different subjects and light conditions:

- **Traffic trails**: Captures light trails created by cars at night.
- **Light graffiti**: Captures trails created by a moving light source in low-light conditions.
- **Silky water**: Captures silky-smooth photos of waterfalls and flowing water.
- **Star trails**: Captures stunning photos of star trails in the night sky.

Use Tail Light Trails to Capture the Lights of the City

Tail light trails lets you create artistic photos of car tail lights at night.

- 🛈 • Shoot from a distance and slightly above your subject for best results. Ensure that car headlights do not point directly at the camera, as this can overexpose the image.

 • Place your device on a tripod or solid surface so that it does not move during the exposure.

Open 🔵 **Camera** > **More** > **Light painting** > **Traffic trails**. Hold your Phone steady, and then touch 📷 to start shooting. A preview of the image is displayed in the viewfinder. Touch ⏺ when you are finished.

Use Light Graffiti to Create Light Patterns

Light graffiti lets you create patterns or write words by moving a light source in front of the camera.

- Find a dark location away from other light sources and ensure that the subject's silhouette is not visible. Choose a suitably bright light source of an appropriate color, such as a small torch or glow stick.
- Place your device on a tripod or solid surface so that it does not move during the exposure.

Open **Camera** > **More** > **Light painting** > **Light graffiti**. Hold your Phone steady, and then touch to start shooting. A preview of the image is displayed in the viewfinder. Touch when you are finished.

Use Silky Water to Capture Rivers and Waterfalls

Silky water lets you capture silky smooth photographs of waterfalls and rivers.

> ⓘ • For better results, find a stream or waterfall with lots of water.
>
> • Place your device on a tripod or solid surface so that it does not move during the exposure.

1 Open 📷 **Camera** > **More** > **Light painting** > **Silky water**.

2 Hold your Phone steady, and then touch 📷 to start shooting.

3 A preview of the image is displayed in the viewfinder. Touch ⊙ when you are finished.

Use Star Track to Capture the Beauty of Stars

Star track lets you use your camera to capture the movement of stars in the night sky.

ⓘ • For best results, choose a location free of light pollution with an unobstructed view of the sky, and on a clear night.

• Place your device on a tripod or solid surface so that it does not move during the exposure.

1 Open 📷 **Camera** > **More** > **Light painting** > **Star trails**.

2 Hold your Phone steady, and then touch 📷 to start shooting.

3 A preview of the image is displayed in the viewfinder. Touch ⦿ when you are finished.

More Capture Modes

Use Time-lapse to Create a Short Video

You can use Time-lapse mode to capture images over a long period of time and condense them into a short video, allowing you to view flowers blooming, cloud movement, city traffic, and the movement of stars in the night sky.

> ● Avoid recording time-lapse for too long as it will use up your battery power and storage space.
>
> ● Use a sturdy tripod to keep your device steady during time-lapse recording.

1 Before starting the time-lapse, ensure that the scene is well lit and the camera is in focus. Position the camera carefully to avoid capturing irrelevant background objects.

2 Open 📷 **Camera** > **More** > **Time-lapse**. Touch 📹 to start recording.

3 Touch ⏹ to finish recording.

4 Go to **Gallery** to play your time-lapse video.

> To ensure the best result, the playback speed is decided by the system. You cannot manually adjust the recording speed or the playback speed.

Custom Shooting Modes

Want to discover new ways of using your camera besides the preset functions? You can download or delete shooting modes based on your needs.

Download more shooting modes: Open Camera > **More** > **Download**. Select the shooting modes to download, and touch **ADD**.

Update shooting modes: To update shooting modes, go to the **More** screen. The shooting modes with available updates will have red dots next to them. You can follow the onscreen prompts to update them.

Delete shooting modes: Go to **More** > , and touch to delete unneeded shooting modes.
 To ensure that Camera works normally, preset shooting modes cannot be deleted.

Take Moving Pictures

Want to make your photos more interesting and dynamic? Take a moving picture and prolong life's wonderful moments.

With moving pictures, you can record a scene approximately one second before and after the shutter button is pressed. When browsing these pictures in Gallery, you can not only view the static picture taken the moment you press the shutter button, but also play the dynamic picture and sound.

Take moving pictures: Open Camera, touch on the top of your screen, then touch to capture.

View moving pictures: The captured moving picture will be saved to **Gallery** in JPG format. Go to

 Gallery > **Albums** > **Camera**. Touch pictures with icon, and touch on the top of the picture to view the dynamic effect. The moving picture automatically stops after a complete playback. You can also touch the screen to stop the playback.

Share Moving pictures: Go to **Gallery** > **Albums** > **Camera**, touch the moving photo you want to share, then touch , select a sharing method and follow the onscreen instructions to complete the sharing.

 Moving pictures can be shared directly through Wi-Fi, Bluetooth, Huawei Share, and more. The receiving device must be a Huawei device that supports the capture of moving pictures in order to play the moving photo effects. When you share moving pictures to third-party apps or unsupported devices, the moving pictures will be displayed as static images.

Gallery

Customize Highlights Albums

Want to change the content, such as photos and videos, background music, or video template for your Highlights? You can edit a Highlights album picking out the content, background music, and video template, so you get an album you'll want to show off to friends.

ⓘ
- Your Phone will generate Highlights albums based on the time and location of photos and videos. Before taking a photo, open **Camera**, touch ⚙ , and enable **GPS tag**.
- Ensure that your Phone is connected to the Internet.
- Your Phone will begin analyzing your photos and generating Highlights albums when its screen is off and the battery is being charged and battery is above 50%. This process takes some time. If there are not enough photos or videos (less than seven photos), a Highlights album will not be generated automatically.

Open 🖼 **Gallery**. From the **Highlights** tab, touch the Highlights album you want to view or edit. Now you can do any of the following:

- **Play or edit Highlights**: Touch ▶ to play the video. You can edit the video template or background music by using the options bar at the bottom of the screen during playback.
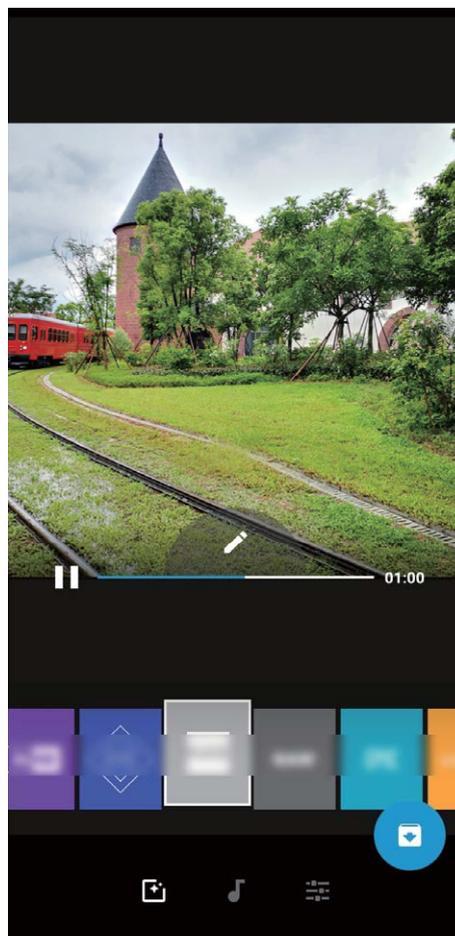
- **Add or delete photos and videos in an album**: To add a photo or video to the album, touch

  ＋ and select the item you want to add, then touch ✓ . To delete a photo or video from the

  album, touch and hold it, then touch ⬆ and **Move**.

  ⓘ Highlights only supports videos in MP4 format.

- **Share photos and videos in the album**: Touch and hold any photo or video in the album, then

  touch ⤴ to select the method for sharing, and follow the onscreen instructions to complete the
  process.

- **Rename a Highlights album**: Touch ⋮ > **Rename** and enter a new name.

- **Delete a Highlights album**: Touch ⋮ > **Delete** and then **Delete**.

Photo Management

Photo Recognition Helps You Sort Photos Intelligently

Is sorting your photos taking too long? Are you having a hard time finding the photo you're looking for? Photo recognition can automatically sort your photos into categories such as portraits, locations, scenery, and food in Gallery, so you can quickly find what you're looking for.

Sort photos intelligently: Gallery will automatically sort the photos you take into categories such as portraits, locations, scenery, and food, so you can quickly find what you're looking for.

Customize photo aggregation: After Gallery automatically aggregates different portrait albums for you, you can manually change the album names of portraits and set the relationship (for example, "Baby" and "Mom"). After the setting is complete, you can view different photo albums by name. You can also search for a photo by searching for the name and relationship in the Gallery search bar.

Aggregate group photos into albums: After Gallery intelligently identifies the categories, you can name the generated albums. If there are more than 10 group photos, Gallery will cluster them and generate a group photo album.

Edit Videos

Crop a video: Open 🖼 **Gallery**, select the video you want to edit, and touch ✎ to enter the video editing screen. You can drag the slider in the crop area to select the segment you want to keep, and

touch ✓ to finish cropping the video.

Adjust the video resolution: As you drag the slider to select the video segment you want to keep,

you can touch ▶ to preview the cropped video. You can also touch the video resolution options on the editing screen to adjust the video resolution.

ⓘ The higher the resolution, the clearer the video, but also the greater the storage space required. Choose according to your needs.

AI leading role stories: When a long video contains multiple characters, you need to watch the entire video repeatedly just to find the video segments with the particular character that you are looking for. With the AI leading role stories, it can save you the hassle of sorting through and editing all the clips to create an edited video focusing on the character you select. When your device screen is off and charging with a battery level higher than 50%, the system automatically analyzes characters in the video, and creates an arrangement of the best clips of the character in the video. When you want to view the video again, you can swipe up to view the generated video clips.

> Currently, the system can perform this on 15 seconds to 3 minutes long videos.

Adjust Slow Motion Video Playback

Open **Gallery**, select the recorded slow motion video, and touch ▶ to play. Touch the screen and drag the slider in the edit area to select the segment you want to play in slow motion.

> - Videos shot in 32X mode cannot be edited.

Edit Photos

Just took a picture, but need to edit it before you post it? You can use Gallery's editing features to crop, rotate, and apply a variety of effects (such as graffiti, personalized watermarks, and filters) to your photos to make them pop.

Open **Gallery**, select the photo you want to edit, and touch ✎ to begin editing. You can edit your photos in the following ways:

- **Rotate**: Touch ⬚ , and turn the dial to customize the angle of the photo. You can also touch **Rotate** or **Mirror** to rotate your photo 90 degrees or flip it.

- **Crop**: Touch ⤵ , and drag the entire grid box or just its corners to select what you want to keep. You can also select a fixed ratio and drag the corners of the grid to pick what you want to keep.

- **Add filters**: Touch ⬤ , and select a filter effect.

- **Color retention**: Touch ⊙ , and follow the onscreen instructions to select the colors you want to keep. The areas selected for color retention will be highlighted.

- **Blur**: Touch ◯ , select a blur mode, and drag the slider to adjust the blurriness.

- **Adjust effects**: Touch ⇌ to adjust the photo's brightness, contrast, saturation, and other parameters.

- **Beautify a portrait**: When the system detects a portrait shot, it will automatically give you the **Beauty** feature as an option. You can touch ☺ in the photo editing screen to apply features such as **Smooth**, **Blemish**, **Thin face**, and **Enhance eyes** to enhance your portrait shots.

- Sensor your photos: Touch ⠿ , and select the size and style of brush you want to use to hide parts of the photo.

● Draw graffiti: Touch ✎ , and select a brush and color to draw graffiti on photos.

● **Add watermarks**: Touch ♟ , and select a watermark (such as **Time**, **Location**, **Weather**, and **Mood**) to personalize your photos.

● **Add a tag**: Touch ◇ , and select the style of the tag and font format to add a special touch to your photos.

Browse and Share Photos or Videos

Browsing through old photos or videos can bring back some of your most precious memories. Your photos and videos are stored in your device's Gallery. You can view them by time, location, or by album.

View photos in full screen: Open 🖼 **Gallery**, and touch a photo to view it in full screen mode. Touch the screen again to hide the menu. When viewing photos in full screen mode, you can:

● **View the basic information about a photo or video**: Swipe up on a photo or video to display its basic information.

● **Zoom in or out on a photo**: Place two fingers on the screen and separate them to zoom in on the photo, or pinch them together to zoom out. If a photo has a higher resolution than that of the screen, after you use two fingers to zoom in on the photo and then lift your fingers off the screen, the photo can be enlarged two times in the maximum.

● **View shooting parameters**: You can touch ⓘ , and swipe up and down on the details window to view the ISO (sensitivity), EV (exposure compensation), resolution, and other detailed shooting parameters of the photo.

● **Rename a photo**: Go to ⋮ > **Rename**, and enter a new name.

● **Set photo as a contact picture or home screen wallpaper**: Go to ⋮ > **Set as**, and set the photo as a **Wallpaper** or **Contact photo**.

Share a photo or video: Open 🖼 **Gallery**, press and hold any item to enter the selection screen and select the items you want to share, then touch ⤳ to select a sharing method and follow the onscreen instructions to complete the sharing process.

View by shooting time: From the **Photos** tab, photos and videos are displayed by their shooting times. To display shooting dates when viewing photos in full screen mode, go to ⋮ > **Settings**, and enable **Show time and location**. Under the **Photos** tab, you can separate or pinch together two fingers to zoom in or out on the screen, and switch between display-by-day and display-by-month.

View by shooting location: If the photos or videos were taken while **GPS tag** is enabled in the **Camera** settings menu, you can view them in Map mode. From the **Photos** tab, touch 🗺, and the photos or videos containing location information will be marked at the corresponding shooting locations on the map. You can also separate two fingers on the screen to zoom in on the map and

view details of the shooting location. Touch the photo thumbnail to view all the photos and videos taken at that location.

View by album: From the **Albums** tab, you can view photos and videos by album. Some photos and videos are stored in default albums specified by the system. For example, videos recorded with the camera are saved in the **Videos** album. Screenshots and screen recordings are saved in the **Screenshots** album.

Play slideshows: From the **Photos** tab, touch ⋮ > **Slideshow**, and the system will automatically play a photo slideshow. Touch the screen to stop playing.

Organize Photo Albums

Add photos or videos to a new album: From the **Albums** tab, touch **Add album**, enter an album name, and then touch **OK**. Select a photo or video and add the selected item to a new album.

Relocate photos and videos: You can move photos and videos from various locations to the same album for unified management and browsing. After entering the corresponding album, press and hold a photo or video until the ☑ icon appears, then select the photos and videos you want to move. Touch ⊡, and select the album to move the items into. Once the items are moved, they will no longer be retained in their original locations.

Favorite photos and videos: Want to store your favorite photos and videos separately? You can Favorite your special photos and videos for easy viewing. Open the photo or video you want to Favorite, then touch ♡ to store it in the **My favorites** album. The items you Favorite will remain in their original locations. However, a ♡ icon will appear on their thumbnails.

Hide albums: Have important personal albums you don't want others to see? You can hide them to ensure personal privacy. From the **Albums** tab, go to ⋮ > **Hide albums** and turn on the switches for albums that you want to hide.

ⓘ Albums such as **Camera**, **Videos**, **My favorites**, and **Screenshots** cannot be hidden.

Delete photos and videos: Press and hold a photo or album until the ☑ icon appears, select the items you want to delete, and then go to 🗑 > **Delete**. Deleted photos and videos will remain in the **Recently deleted** album, along with a tag indicating the number of days until the item is permanently removed from the system. To permanently delete a photo or video before it expires, from **Recently deleted**, select the photo or video you want to permanently delete and go to 🗑 > **Delete**.

Recover deleted photos and videos: Go to the **Recently deleted** album, press and hold a photo or video until the ☑ icon appears, then select the items you want to recover, and touch ↻ to recover them to their original albums. If the original album is deleted, the system will re-create a new album for you.

Phone Manager

Use Optimize

Have you noticed that your Phone has slowed down recently? Do you worry that it might be vulnerable to malware and other security threats? Use Optimize to make your Phone run smoother and protect it from security threats.

Open **Phone Manager**, and touch **OPTIMIZE**. Your Phone will automatically optimize its overall performance, security, battery performance, and device management. You can also customize the optimization options. The system will recommend that you use Optimize. This will help you increase running speed, check for security risks, optimize power consumption, and monitor and block unknown phone numbers and harassment calls.

Manage Mobile Data Usage

Manage mobile data usage to avoid incurring extra charges.

Open **Phone Manager**, and touch **Data usage** to view data usage statistics or enable **Smart data saver**.

- **Data usage this month**: Check the data usage of individual apps.
- **Network access**: Manage Internet access permissions for each app.
- **Smart data saver**: Enable data saving mode (prevents background apps from using mobile data) and select the apps that have unrestricted data access.

Enable Smart Power-Saving Management to Optimize Power Consumption

Running out of battery usually means trouble. Smart power-saving management helps you effectively extend the battery life of your Phone so you don't have to worry about running out of power.

Open **Phone Manager** and touch ⏻ to perform the following:

- **Comprehensive power consumption analysis and optimization**: Touch **Optimize battery usage** to check for power consumption problems and automatically perform optimizations.
- **Enable Power saving mode or Ultra power saving mode**: Enable **Power saving mode** or **Ultra power saving mode**. Choose a mode based on your Phone's battery level to extend battery life.

  Once **Power saving mode** is enabled, the 🍃 icon will be displayed in your Phone's status bar depending on the battery level. **Power saving mode** reduces power consumption by limiting background app activity, visual effects and sounds. **Ultra power saving mode** adopts stricter background app control, allowing you to disable all features except Wi-Fi, mobile data, and any other specified ones.

- **View power consumption details**: Touch **Power consumption details**. In the **Power consumption details** section, colored bars beneath the **Charging** graph indicate that your device was charging. Gaps between the bars mean it was not charging. This feature does not consume power. Touch **Battery usage** to view power-intensive apps and hardware.

- **Enable smart resolution to save power**: Smart resolution is a function that automatically decreases the resolution of your device to save power. Enable **Screen resolution**, and select **Smart resolution**. Your device will automatically adjust the screen resolution based on the running apps to save power. Enabling smart resolution may affect viewing quality. You can also manually set the screen resolution to save power when high resolution is unnecessary.

- **Display remaining battery percentage in the status bar**: Enable **Battery percentage** to display the remaining battery percentage of your device in the status bar.

To learn more about power saving settings, open 🛡 **Phone Manager** and touch 🔋 > **More battery settings**. From here you can perform the following:

- **Enable notifications for power-intensive apps**: Touch **Power-intensive app history** to be alerted of these apps so you can disable them as needed.

  ⓘ Once **Performance mode** is enabled, device performance can be enhanced and adjusted to different application scenarios. This improves your gaming experience, but also increases power consumption and may cause your device to heat up.

Enable Virus Scanner

Opening the wrong advertisement or touching the wrong link can infect your device with Trojans and malware that will secretly install themselves onto your device and potentially steal your personal data. Running a virus scan can locate and remove any potential threats to keep your Phone in good shape.

Virus scan is enabled by default. You can view it in the following way: Open 🛡 **Phone Manager** and touch **Virus scan**. If you see the **Secure** icon, it indicates that your device is safe. At the same time, you can touch ⋮ > **Settings** on the **Phone Manager** screen to configure the following settings:

- **Smart tune-up**: Enable this option to regularly update app configuration data to improve app performance.

- **Auto-clean junk files**: Enable this option to automatically identify junk and permanently delete it after 14 days.

- **Auto-update cleanup database** and **Online virus scan**: You can select **Wi-Fi only** or **Any network** to auto-update cleanup database and proceed virus scan, also you can select **Never** to disable these two options.

  ⓘ The virus scan reminder is enabled by default. The system will notify you if you do not perform an anti-virus scan for more than 30 days.

Email

Add Email Accounts

Add your email account to your Phone for convenient email access at any time. If you have questions about specific settings while configuring your email, please consult your email account provider.

Add a personal email account: Open ![icon], select an email service provider or touch **Other**, enter your email address and password, then touch **Sign in** and follow the onscreen instructions to configure your account. The system will automatically connect to the server and check server settings.

Add an Exchange account: Exchange is developed by Microsoft and used by companies as their internal email system. If your company email uses Exchange servers, you can log in to your work email on your Phone. Go to ![icon] > **Exchange**, enter your email address, username, and password, then touch **Sign in** and follow the onscreen instructions to configure your account. The system will automatically connect to the server and check server settings.

After configuration, the system will open the **Inbox** screen by default.

Manage Email Accounts

You can manage multiple email accounts concurrently on your Huawei Phone.

Open ![icon] **Email**. You can:

- **Check emails**: On the **Inbox** screen, touch ![icon], and then select an email account to view the list of your emails. Swipe down to refresh the list of emails. Open an email to read, reply, forward, or delete it. Swipe left or right on the screen to view the previous or next email. To delete multiple emails, touch and hold an email to go to the email management screen, select the emails, and touch ![icon].

- **Sync emails**: Swipe down on the **Inbox** screen to refresh the emails list. Go to ![icon] > **Settings**, touch an account, and then enable **Sync email**. To sync automatically, touch **Sync frequency** and select the syncing time to complete configuration.

- **Search emails**: On the emails list screen, touch the search bar, and enter a keyword, such as email subject and content.

- **Add multiple email accounts**: Go to ![icon] > **Settings** > **Add account**, select your email service provider, and enter your information.

- **Switch between email accounts**: On the emails list screen, touch ![icon], and then touch an account name to switch to.

- **Configure email accounts**: On the emails list screen, go to ![icon] > **Settings**, select an account to set **Account name**, **Default account**, and **Remove account**.

Manage VIP Email Contacts

Worried about missing an important contact's email among a sea of emails? You can add important contacts to the VIP list. Your device will automatically move emails from VIP contacts to the VIP mailbox.

Open ▥ **Email**, and go to ☰ > **Settings** > **VIP contacts**. From the **VIP list** screen, go to **Add** > **Create** or **Add from contacts**.

Add or remove VIP contacts: On the **VIP list** screen, touch ＋ or 🗑 to manage VIP contacts.

Import Important Events to Calendar

Worried about missing an important event among a sea of emails? You can import important events to Calendar and view them at anytime and anyplace.

Open ▥ **Email**, select the event from the email, and select ⋮ > **Add to calendar**.

Set Auto Response for Exchange Email

Unable to reply to emails on vacation? Enable auto responses to automatically reply to emails.

Open ▥ **Email**, go to ☰ > **Settings**, and select your Exchange account. Touch **Automatic replies**, enable **Automatic replies**, set the content and time of your auto reply, and then touch **Done**.

Calendar

Use Calendar to Manage My Schedule

Want to bring order to your busy life? Try using the app **Calendar** on your Huawei Phone to manage your daily life.

June 2018 — Search event / View today

Month / Week / Day / Schedule — Switch view

Event available

View event(s) on the day selected

Today

Week no.

IN 4 DAYS

09:30 10:30 Meeting — Event(s) on the day selected

Add event
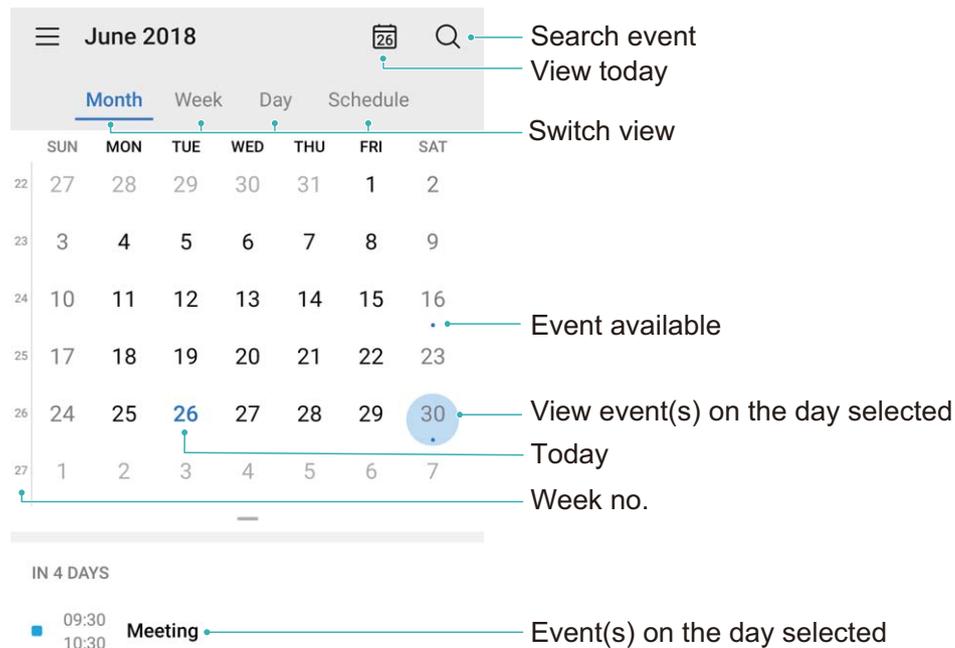
Create an event: Open **Calendar**, touch ＋, and enter your event information including title, location, and start and end times. Go to **Add reminder** to add a reminder for your event, then touch ✓.

Search events: On the **Calendar** screen, touch 🔍 and enter the event keywords, such as title or location.

Configure Calendar: On the **Calendar** screen, go to ☰ > **Settings** to customize calendar view and reminders.

Check the exact location of the destination: Open **Calendar**. From the image or calendar, touch the event (destination already set) to view the exact location information.

Query weather: Open **Calendar**, and touch the event from the image or calendar to view the weather on that day.

Check conference participants: Open **Calendar**, and touch the conference reminder to view the participants.

Change calendar: Open **Calendar** and go to ☰ > **Settings** > **Alternate calendars** to switch to the calendar of another country. The calendar of the country will then be displayed on the lock screen and the window of the smart cover.

Import To-Dos to Keep Your Work Organized

Many to-dos cannot be handled in time. What can I do if I forget to handle them? Import each to-do item to Calendar for easy reference and you will not miss any important events.

Import meeting reminders: Open **Calendar**, go to ☰ > **Manage accounts** > **Add account**, and follow the onscreen prompts to add your work emails (Exchange account) to the calendar to check meeting reminders.
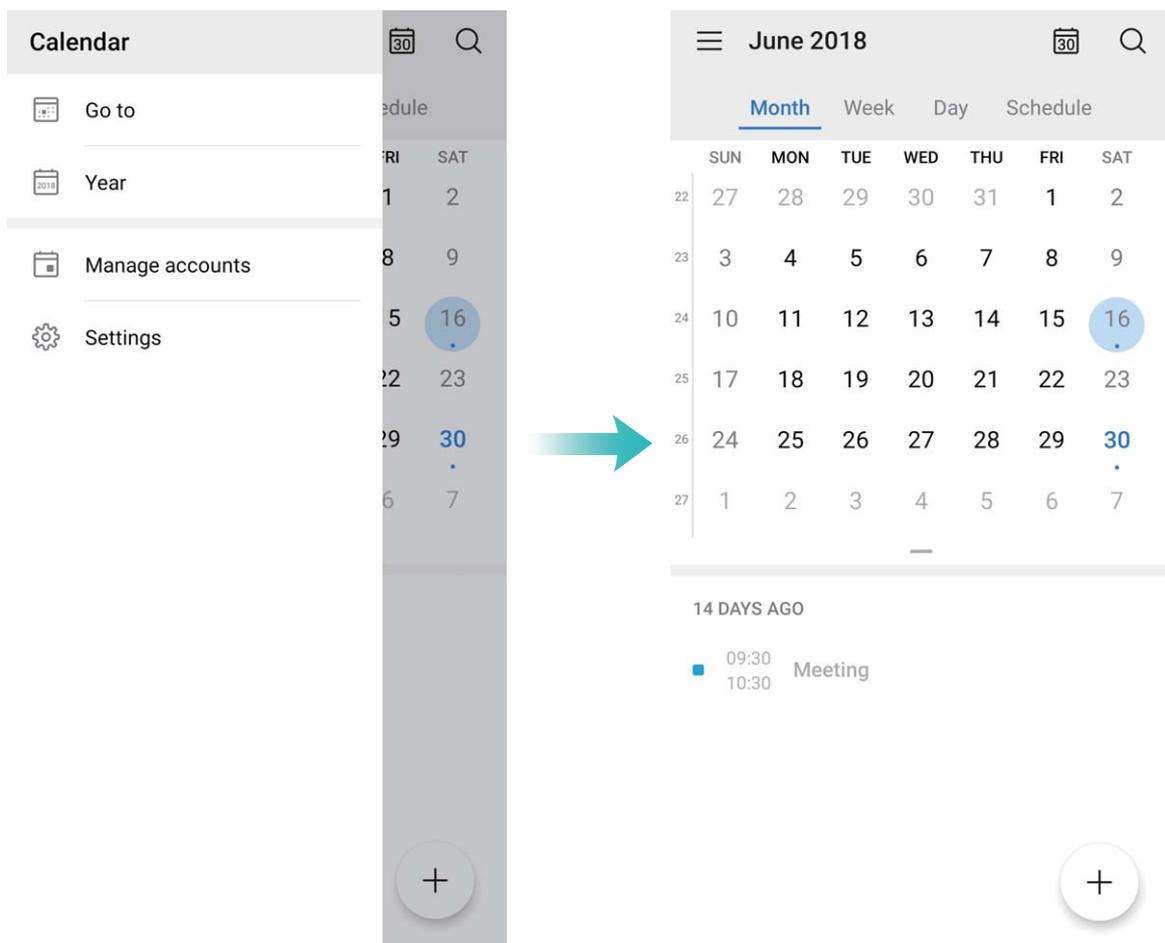
Share an event: Touch an event on the calendar or under schedule, then touch ⤴ and follow the onscreen prompts to share the event using any of the multiple methods.

View Global Holidays

Traveling overseas for work or holiday? Download your destination country's holiday information ahead of time to better plan your work and schedule.

Open ![icon] **Calendar**, go to ☰ > **Settings** > **National (Regional) holidays**, and enable the corresponding switch for your destination country. Your device will automatically download the holiday information.

Clock

Use the Clock

The seemingly simple clock has a lot of useful functions. Clock can be used as an alarm, world clock, stopwatch, or timer.

View the time all over the world: Go to ⬤ **Clock**, touch ➕ on the **World clock** tab, and enter the name of a city or select one from the list of cities. Touch ⚙ to set the date and time.

Display the time in two different regions: Open ⬤ **Clock**, and then go to ⚙ > **Date & time** on the **World clock** tab. Enable **Dual clocks**, touch **Home city**, and select your city of residence from the list.
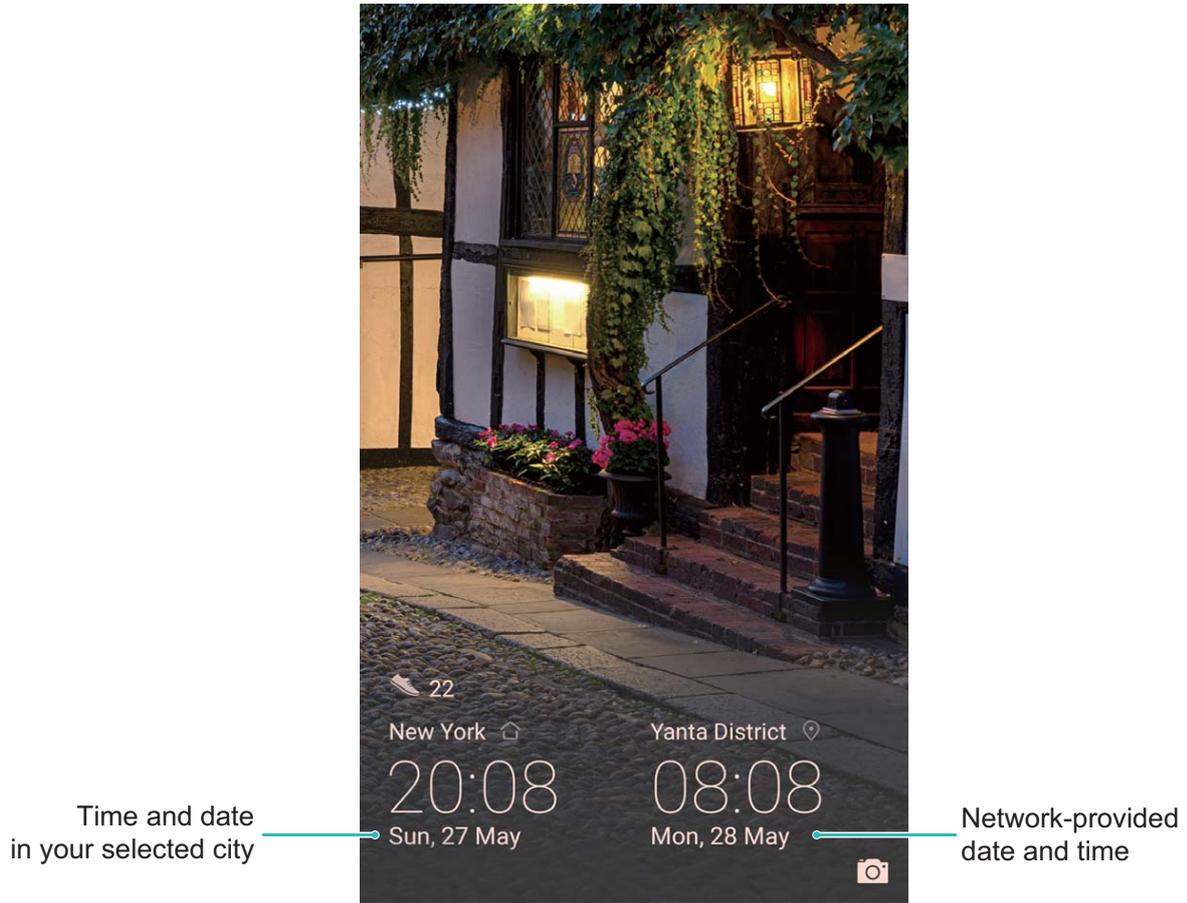
Time and date in your selected city

Network-provided date and time

ℹ️ Two times will only be displayed if you are in a different region than the one you selected as your home city, otherwise you will only see one.

Notepad

Manage Your Notes

Want to share important notes or add something to Favorites? Manage your notes to keep your records in order.

Share a note: Want to send your meeting notes to your colleague? From the list of **All notes** or **All to-dos**, open the note you want to share, then touch 👥 to select a sharing method and follow the onscreen prompts.

Add a note to Favorites: Want to add a note to Favorites so you can find it later? From the list of **All notes**, swipe left on a note and touch ⭐ . Alternatively, open the note you want to add to Favorites and touch ☆ .

Delete a note: Want to delete an outdated note? From the list of **All notes** or **All to-dos**, swipe left on a note, then touch 🗑 .

Search notes: Want to quickly find a note? Touch the search bar on the **All notes** list screen and enter the keywords in the search bar. Alternatively, swipe down on the home screen to access the search bar, and enter the keywords there.

Generate a to-do list: Want to create a shopping list? On the **Notepad** screen, touch ⊘ > ＋ , enter an item, and then touch **Save**. Add multiple items to generate a to-do list.

ⓘ After completing a to-do list item, go to the **All to-dos** editing screen and select ◯ to the left of the completed item.
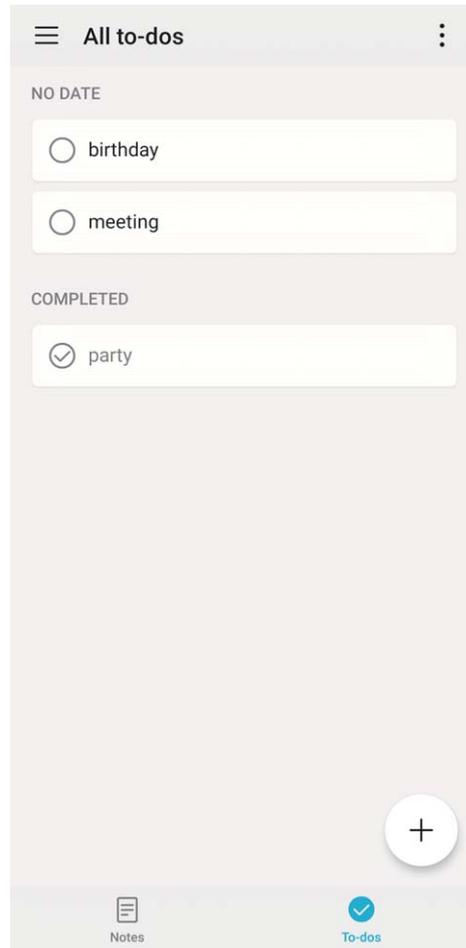
Add a handwritten note: Find it easier to draw or write it yourself? Go to **Notes** > $+$, touch ✎ ,

write your notes, and touch ✓ to save it. Notepad supports writing and drawing.

Add tags to notes: Want to categorize your notes to make it easier later? On the editing screen of

All notes, touch ⌷ , and use different color tags to categorize different content for a clearer view of
all your notes.

Utilities

Check Your Screen Time

Digital balance allows you to check the app usage, helps you manage your screen time and guides you towards healthier Phone usage habits.

To check your Phone usage, open 🔘 **Settings**, and go to **Digital balance** > **More**.

Check today's screen time: Touch **Today**, and you can check your **Screen time**, **App usage**, **Unlocks**, and **EXTENSIONS**.

Check last seven days' screen time: Touch **Last seven days**, and then check your **Screen time**, **App usage**, **Unlocks**, and **EXTENSIONS**.

Use Recorder to Take Audio Notes

Have you ever felt like you don't have enough time to take important notes during a meeting? Do you need to sort out a pile of notes from an interview or class? Recorder lets you record audio files that you can conveniently play back later.

Open ✥**Recorder**, and touch ⦿ to begin recording. You can add tags at important points while recording. Touch ⦿ to finish recording and save the audio file.

After the recording is complete, you can:

- **Play a recording from a tag**: In the recording file list, touch a recording to go to the play screen. On the play screen, you can touch a tag that you have added and play the recording from that point.

- **Manage recordings**: Touch and hold a recording for options such as sharing or deleting the recording.

ⓘ In the recording file list, touch and hold a recording, and then touch ⋮ > **Details** to view its storage location.

Multiple Users

Set and Use Multiple Users

Want to have more than one user account on your Phone to keep your work and personal life separate? You can add multiple users to your Phone and switch between them with a single touch.

Add Users or Guests

⚠️ A maximum of three users and one guest can be added.

Add a user: Touch 🔧 **Settings**, and go to **Users & accounts** > **Users**. Touch **Add user**, enter a name for the user and touch **ADD**. After you add a new user, you can switch to the new user and follow the onscreen instructions to configure the user's account settings.

Add a guest: Touch 🔧 **Settings**, and go to **Users & accounts** > **Users**. Touch **Add guest** > **ADD** to create a guest.

Set a user account name and profile picture: After adding a user, you can set a user account name and a profile picture for the user. To do this, switch to the relevant user, and touch 👤. Follow the onscreen instructions to change the user name and profile picture.

Allow a user to make calls, send messages, and share call records: The basic call functions can still be used after you switch to a different user mode. The added new user can make calls, send messages, and share call records with the phone owner. The guest user can make calls and share call records with the phone owner. To do this, log in with the owner account, and touch 🔧 **Settings**, and then go to **Users & accounts** > **Users**. Select the desired user, and touch **Allow calls, messages, and sharing of communication history**.

Delete Users or Guests

To delete a user, select one of the following methods:

- Log in with the owner account, touch 🔧 **Settings**, and then go to **Users & accounts** > **Users**. Select the desired user, and touch **Delete user** > **Delete**.

- Log in with the owner account, swipe down from the status bar, and then go to 👤 > **More settings**. Select the desired user, and touch **Delete user** > **Delete**.

To delete a guest, touch 🔧 **Settings**. Go to **Users & accounts** > **Users**, and then touch **Guest** > **Delete guest** > **DELETE**.

Switch Between the Owner Account, User, and Guest Modes

To switch between the owner account, user, and guest modes, select one of the following methods:

- Swipe down from the status bar, and touch 👤. Then, touch the profile picture of the desired user.

● Touch **Settings**, and go to **Users & accounts** > **Users**. Then, touch the user name or profile picture of the desired user.

⚠ You will be prompted to enter the password to unlock the screen when switching back to the owner from another user.

Device Connection

Bluetooth

Connect Your Phone to Bluetooth Devices

Use Bluetooth to connect your Phone to Bluetooth headsets and in-car Bluetooth to navigate or listen to music while you drive. You can also connect your Phone to Bluetooth wearables to record and manage fitness data. Connecting Bluetooth devices to your Phone does not increase power consumption significantly.
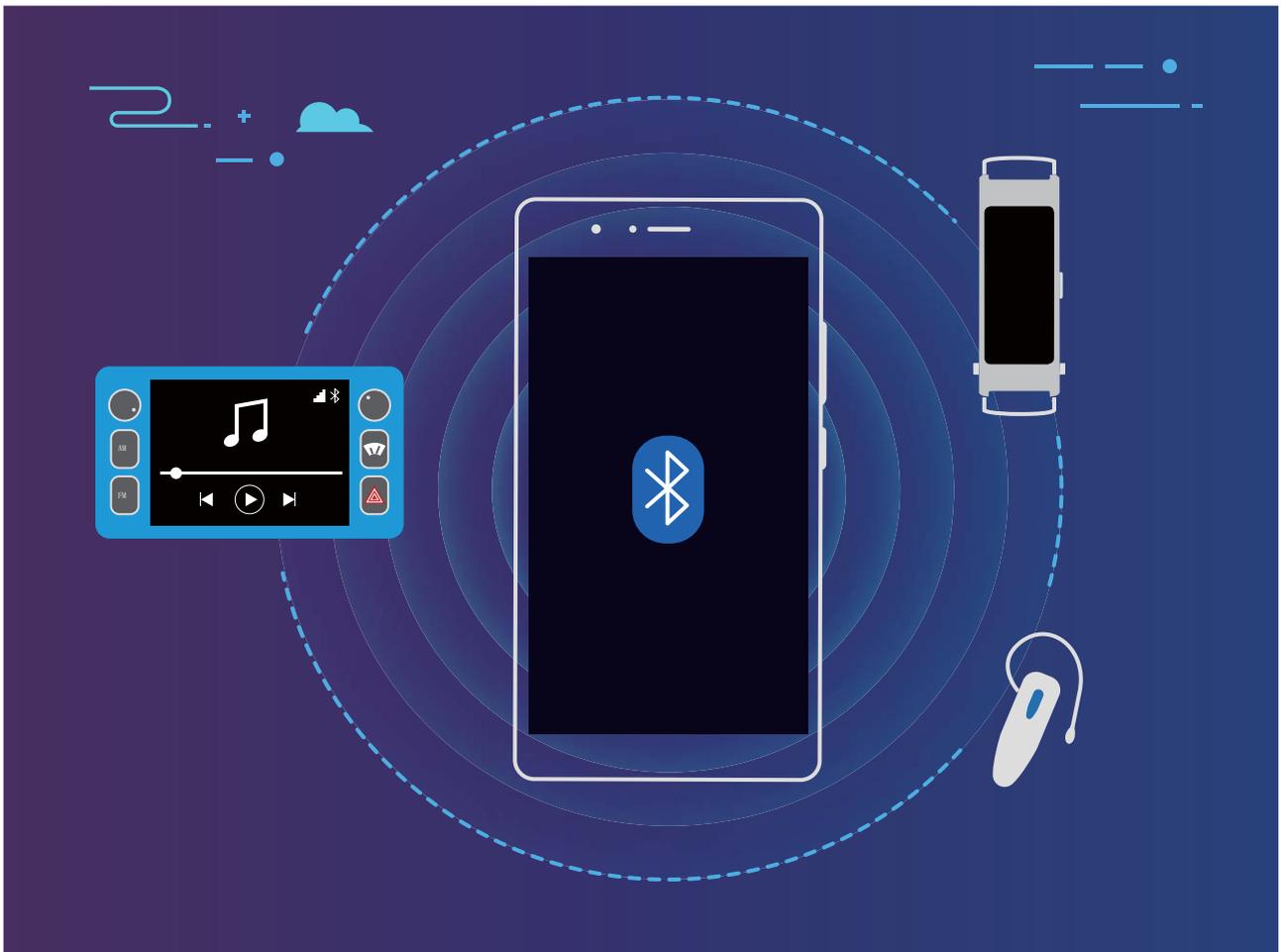
Bluetooth protocols used by Huawei devices and their functions:

HFP, HSP	Make calls
A2DP	Play music
AVRCP	Control music playback
OPP	Transfer files
PBAP	Sync contacts
MAP	Sync text messages

HID	Operate Bluetooth keyboards and mouses
PAN	Tethering
BLE	Connect to Bluetooth Low Energy (BLE) devices

Enable or disable Bluetooth: From the home screen, swipe down from the status bar, open the shortcuts panel, and then touch ⁎ to enable or disable Bluetooth. Touch and hold ⁎ to open the Bluetooth settings screen.

Pair a Bluetooth device: Enable **Bluetooth** from the Bluetooth device's settings screen. Check that the Bluetooth device is set to visible. From **Available devices**, touch the device you want to pair and then follow the onscreen instructions to complete pairing.

Unpair a Bluetooth device: Enable **Bluetooth** from the Bluetooth device's settings screen. Touch ⚙ next to the name of the paired device and then touch **Unpair**.

Change Bluetooth device name: From the Bluetooth settings screen, enable **Bluetooth**. Touch **Device name**, enter a new name for the device, and then touch **Save**.

View Bluetooth help: From the Bluetooth settings screen, touch ⑦ to view information on how to establish Bluetooth connections with in-car systems, headsets, speakers, wearables, Phone, tablets, and computers.

Use Bluetooth to Share Data

Connect your Phone to another device over Bluetooth to share data, import and export contacts, and set up Internet tethering.

Use Bluetooth to send files: Ensure that your Phone is within Bluetooth range of the other device (10 m or 32 ft). You can then establish a Bluetooth connection and share multimedia files, web pages, contacts, documents, and apps between the two devices. Open **Files**, touch and hold the file that you want to send, and then go to **More** > **Share** > **Bluetooth**. Follow the onscreen instructions to enable Bluetooth. When the other device is detected (Bluetooth must be enabled and the device must be visible), touch the name of the device to establish a connection and start sending files.

Receive files over Bluetooth: From the home screen, swipe down from the status bar, open the shortcuts panel, and then touch ⁎ to enable Bluetooth. Touch **Accept** on the file transfer notification to begin receiving the files. Received files are saved to the **Bluetooth** folder in **Files** by default.

Import or export contacts over Bluetooth: Open **Contacts** and go to ⋮ > **Settings** > **Import/Export** to perform the following:

- **Import contacts**: Touch **Import via Bluetooth** and follow the onscreen instructions to establish a Bluetooth connection with the other device. Contacts from the other device will then be imported to your Phone automatically.

- **Export contacts**: Touch **Share contacts**, select the contacts that you want to share, touch and select **Bluetooth**. Follow the onscreen instructions to establish a Bluetooth connection with the other device. Those contacts selected will be exported from your Phone to the other device automatically.

NFC

Introduction to NFC

NFC (Near Field Communication) is a technology that enables short-distance wireless communication. Through NFC's point-to-point mode, two devices can transfer data in real time when they are within 10 cm (4 inches) of each other. Photos, networks, and apps can all be quickly shared using this method. NFC read/write mode lets you check product information contained in NFC tags. NFC card emulation mode allows your device to act as a bank card for quick and easy payments.

Use NFC to Share Data Quickly

NFC lets you share data across two devices quickly without the hassle of pairing. Simply place the NFC detection areas of both your devices in close proximity to each other, and then you can transfer files and other data quickly between the two NFC-enabled devices.

Use NFC to send data: Open ⊙ **Settings**, touch **Device connectivity** and enable **NFC** and **Huawei Beam**. Select the files you want to send and touch **Share** > **Huawei Beam**. Keep your Phone unlocked and the screen on. Place the NFC detection areas of both devices close together. Once a connection is established, the transmitting device will play an audio alert and minimize the sharing screen. Touch the transmitting device's screen to send files.

Receive files over NFC: Open ⊙ **Settings**, then touch **Device connectivity** and enable **NFC** and **Huawei Beam**. Keep your Phone unlocked and the screen on. Place the NFC detection areas of both devices close together. Once a connection is established, the transmitting device will play an audio prompt. After the prompt, please wait for the file transfer to complete. Received files are saved by default to the **Beam** folder of your **Files**.

ⓘ If there is an option to enable **Read and write/P2P** on the NFC screen, ensure that it is enabled. Features may vary depending on your carrier.

Use NFC to Quickly Establish Connections between Devices.

Place the NFC detection areas of two devices close together to quickly establish a Bluetooth or Wi-Fi connection between them. You can also use this method to establish a Wi-Fi Direct connection or share a Wi-Fi hotspot without searching for devices, pairing and entering connection details manually.

Using Bluetooth pairing as an example, enable NFC, Huawei Beam, and Bluetooth on both devices. Open the Bluetooth pairing screen on both devices and place the NFC detection areas of devices close together. When the sending device plays an audio prompt and content on the screen shrinks, follow the onscreen instructions and touch the screen on the sending device to establish a Bluetooth connection

> If there is a **Read and write/P2P** switch on the NFC screen, ensure it is also enabled. Features may vary depending on your carrier.

Desktop Mode

Connect Your Phone to an External Display for PC-Like Functionality

Carrying your computer from home to the office and then back again every day can be tiring. Wouldn't it be great if you could just use your Phone instead? You can connect your Phone to an external display using a conversion cable (such as a Type-C to HDMI cable) or through Wireless projection, and then combine all the benefits of a desktop computer, with the convenience of a Phone.

Connecting your Phone to an external display gives you the following benefits:

- **Privacy protection**: Notifications, incoming calls, and chat messages will only be displayed as red dots on the notification panel of the device and not on the external display, preventing potential embarrassment.

- **Dual displays**: Display work-related content on the external display while you chat with friends on your Phone.
- **Desktop experience**: Enjoy a desktop experience with Android apps. Open multiple windows, manage files, search your device, or change the desktop wallpaper. You can also connect a mouse, keyboard, and other peripherals.
- **Wireless projection**: Can't project your Phone to an external display because the cable is too short? You can use wireless projection to connect your Phone to an external display.
- **Large-screen conference**: The PPT can be projected on a large screen. Pointer is supported and can be used to write notes directly on PPT that is projected on the large screen. It improves the level of engagement of your presentation tremendously.
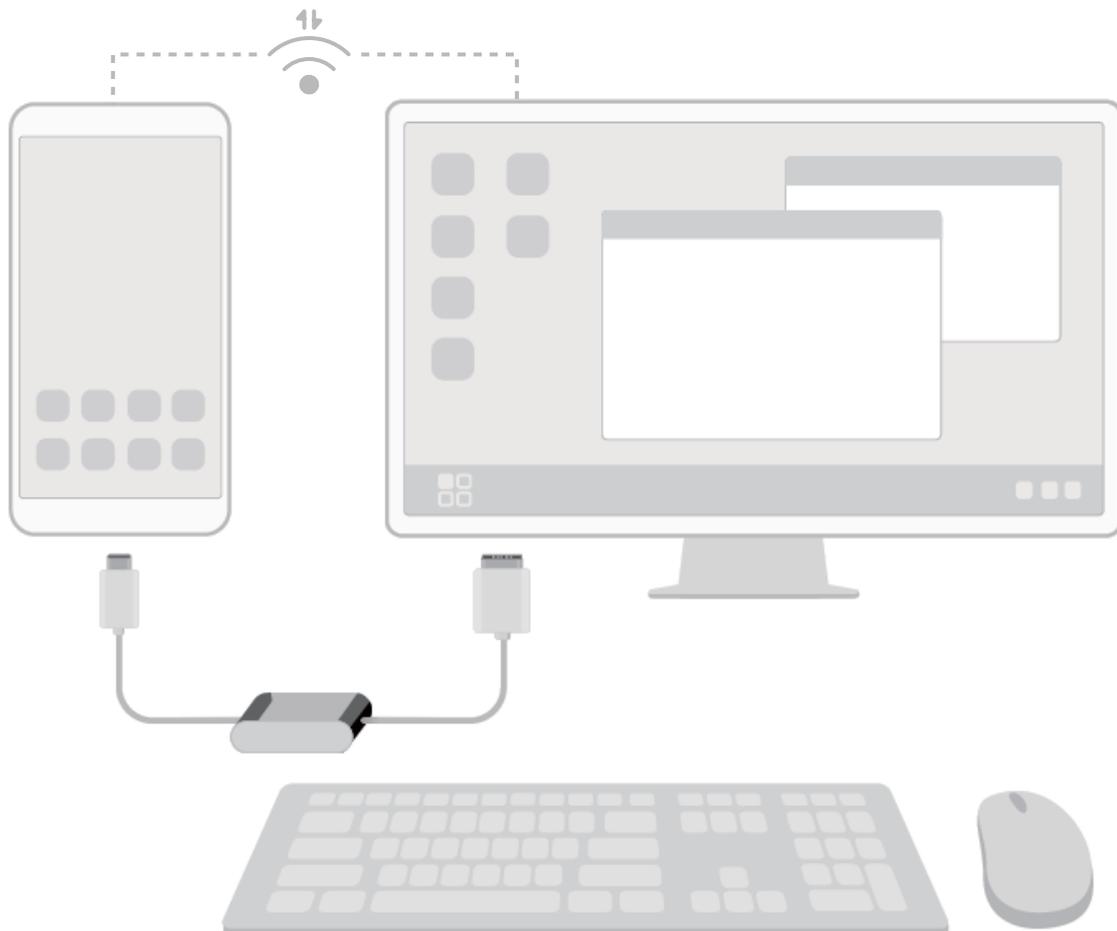
Connect Your Phone to an External Display

By using a cable, your Phone can be connected to an external display.

Use a docking station without USB ports to connect your Phone to an external display, or a docking station with USB ports to connect your Phone to a display, keyboard, and mouse simultaneously.

- **Docking station without USB ports**: supports the conversion of USB Type-C to one interface, such as USB Type-C to HDMI. If your external display has an HDMI port, use a USB Type-C to HDMI adapter to connect your device to the external display.

● **Docking station with USB ports**: supports the conversion of USB Type-C to multiple interfaces, such as USB Type-C to HDMI/USB/USB. If your external display has an HDMI port, but you also want to connect a mouse and keyboard to your device, use a USB Type-C to HDMI/USB/USB adapter.

Alternatively, use a USB Type-C to DisplayPort/HDMI cable to directly connect your device to the external display.

| Type-C | DP | MiniDP | HDMI |
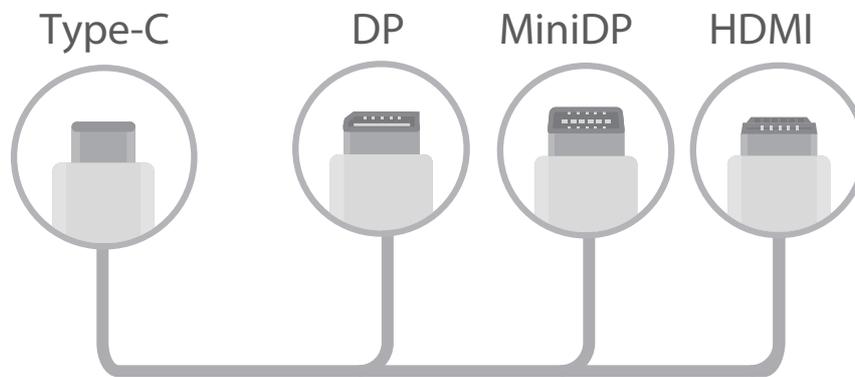
⚠ If you connect the adapter to too many devices, it may not function properly.

ⓘ ● To ensure full compatibility, visit Vmall and buy an adapter that is designed to work with your device.

● When your Phone is connected to an external display via an adapter, you can plug the adapter into a charger to charge your Phone. The charger must meet Huawei's charging specification. Devices with a power output of less than 5 V/2 A should not be used.

● You can also use Bluetooth to connect a mouse or keyboard to your Phone directly.

● If the desktop screen does not fit onto the external display, go to the settings menu on the display device to change the image adjustment mode to automatic. You can also right-click the screen and adjust the screen mode you want on the desktop of the external display. The settings vary with TVs or projectors. The actual display of your TV or projector prevails.

In a wireless manner, your Phone can be connected to an external display.

By using one of the following methods, your Phone can be connected to an external display:

● If the external display supports Miracast, you can turn on the Wi-Fi of your Phone and connect your Phone to the external display.

● If the external display does not support Miracast, you can use a wireless HDMI adapter to connect your Phone and the display. Insert the wireless HDMI adapter into the HDMI interface of the external display and connect the power cable to the wireless HDMI adapter. After the wireless HDMI adapter works properly, open **Settings** on your Phone, go to **Device connectivity** > **Easy Projection**, and enable **Wireless projection** to connect your Phone to the network of the wireless HDMI adapter.

Drag down from the status bar on your Phone, or open the notification center on the external display to switch between **PHONE MODE** and **DESKTOP MODE**.

Use Your Phone as a Touchpad

Now that you've connected your Phone to an external display, what happens if you don't have a keyboard or mouse with you? You can turn your Phone into a touchpad in a few simple steps.

Swipe down from the status bar of your Phone and touch **Touchpad** in the notification panel. Use touch gestures to simulate mouse commands.

- Use touch gestures to simulate mouse commands.

Touch to left-click

Touch twice and drag to select text

Touch with two fingers to right-click

Slide two fingers to scroll

- Enter text using a virtual keyboard when an external keyboard is not connected.
  - 🛈 The virtual keyboard is unavailable when an external keyboard is connected.

Project Your Phone Screen onto an External Display

Desktop layout: View content on your Phone in a desktop layout. Touch the signal status icon in the status bar to open the notification center; touch the time to open the calendar; or touch the onscreen navigation icons as you would in the navigation bar.

Multiple windows: When you're working on something important, open more than one window so that you can cross reference documents and increase your productivity.

File management: Manage your files conveniently. You can save files to the desktop, create new files or folders, and rename or delete files.

Quick search: Locate files in a flash. Search for documents, multimedia files, and start menu apps from the start menu search bar.

Change your desktop wallpaper: An inspiring desktop can brighten your mood and boost your productivity. Right-click the mouse on the desktop to change the desktop wallpaper.

Create app shortcuts: Want to open an app quickly from the desktop? From the start menu, you can touch and hold an app and then drag it to the desktop to create a shortcut. You can also right-click the app icon and choose Send to Desktop to create an app shortcut.

Audio output: Want to change the audio output device? You can select the external display or your Phone as an audio output device.

Large-screen conference: You can project a PPT on a large screen. With the touchpad, laser pointer, and fluorescent pen supported simultaneously, you can write directly on the PPT when it is projected on the large screen to make your presentation more vivid.

Quick app projection: On your Phone,touch and hold an app icon. After the projection menu is displayed, you can project the app to the large screen and open the app.

Separate management of screens: When using the external display for work, you can use online chat apps or answer calls on your Phone. The large screen can also be used for audiovisual entertainment.

Connecting USB Device

Transfer Data between Your Phone and Computer

Use a USB cable to connect your Phone to your computer and transfer data.

Select USB connection mode

Use a USB cable to connect your Phone to the computer, you can then select a default connection method. You can transfer photos and files between your Phone and computer, or charge your Phone through the USB connection to your computer.

Swipe down from the status bar to open the notification panel, then touch **Settings** > **Touch for more options** and select a method for connecting your device and your computer.

- **Transfer photos**: Transfer photos between your Phone and computer.
- **Transfer files**: Transfer files between your Phone and computer.
- **Charge only**: Charge your Phone with just a USB cable.
- **Reverse charge**: Connect your Phone to another device with a USB Type-C cable to charge the other device.
- **Input MIDI**: Use your Phone as a MIDI input device and play music on your computer.

Transfer data over a USB port

Connect your Phone to your Computer using a USB cable to transfer data and perform other tasks.

- **Transfer files**: Media Transfer Protocol (MTP) is a type of transmission protocol for media files. You can transfer files between your Phone and computer using this connection method. First, install Windows Media Player 11 or later on your computer.
  Swipe down from the status bar to open the notification panel, and then set your USB connection method to **Transfer files**. Your computer will automatically install the necessary drivers. After the installation is complete, click the new drive icon named Phone on the computer to view the files on your Phone. You can use Windows Media Player to view the media files on your Phone.
- **Transfer images**: Picture Transfer Protocol (PTP) is a protocol that allows you to transfer images. You can upload and share photos between your Phone and computer using this connection method.
  Swipe down from the status bar to open the notification panel, and then set your USB connection method to **Transfer photos**. Your computer will automatically install the necessary drivers. After

the installation is complete, click the new drive icon named Phone on the computer to view the
images on your Phone.

- **Transfer MIDI data to your Phone**: MIDI (Musical Instrument Digital Interface) is an industry
standard audio format for composing music established by electronic instrument manufacturers.
Swipe down from the status bar to open the notification panel, and then set your USB connection
method to **Input MIDI**. You can then use Phone to receive and process MIDI messages transmitted
by other devices.

Transfer Data Between Your Phone and a USB Device

USB OTG (USB On-The-Go) allows you to transfer data directly between your Phone and other devices
(such as phones, tablets, cameras, and printers) without requiring a computer. You can also use a USB
OTG cable to connect your Phone directly to a USB storage device and transfer files.

Transfer data between your Phone and a USB storage device

You can use an OTG cable to access USB storage devices (including USB drives and card readers)
directly from your Phone.

- This feature is only available on Phones with USB OTG support.
- If your Phone has a USB Type-C port, you will need to purchase a Huawei-certified Micro USB
to USB Type-C adapter or a USB OTG cable with a USB Type-C connector.

1 Connect the USB drive to your Phone using a USB OTG cable.
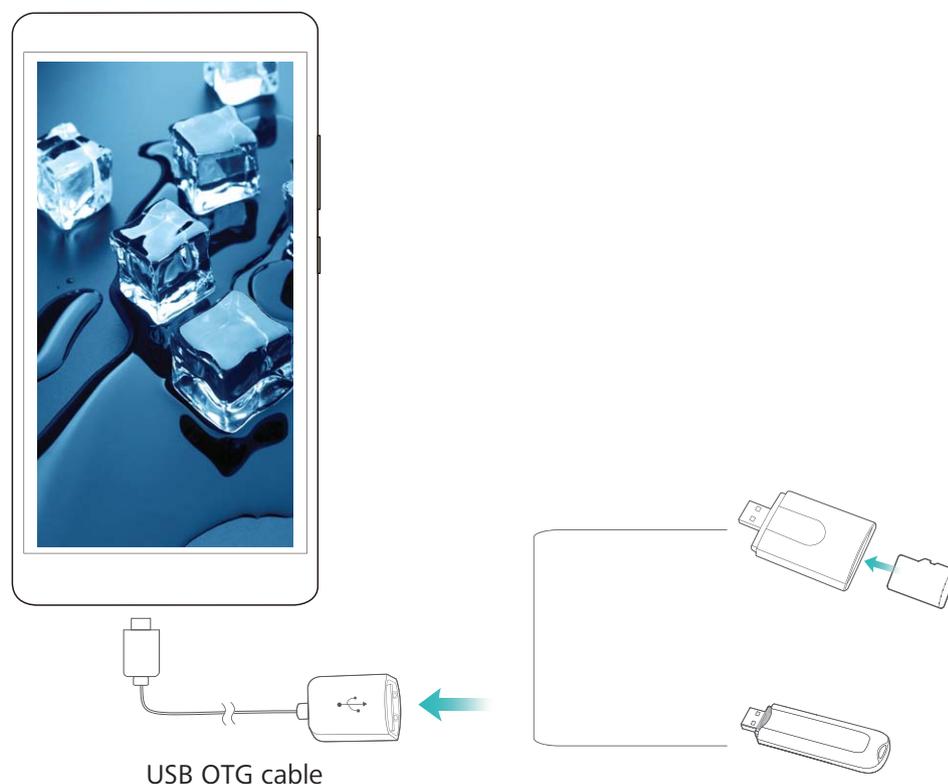
USB OTG cable

2 Go to **Files** > **Categories** > **USB drive**, navigate to the USB drive, select the data that you want to copy, and then copy it to the target folder.

3 Once the transfer is complete, go to **Settings** > **Storage** > **USB drive** > **EJECT**.

4 Disconnect the USB OTG cable and USB cable from the two devices.

Huawei Share

Introduction to Huawei Share

How do I quickly share apps, transfer pictures and files between my Phone and other mobile devices, or between my Phone and computers? Huawei Share allows you to quickly share apps and wirelessly transfer files between your phone, tablet, and computer.

Huawei Share supports data transfers between the following devices:

● Between mobile phones and tablets: You can use Huawei Share to share photos and files on your Phone with other phones or tablets. Touch and hold the apps, photos, and files you want to share, and then select Huawei Share to enjoy a simple and easy sharing process that doesn't consume your mobile data.

● Between your Phone and computer (PC or Mac): You can use Huawei Share to share photos and files on your Phone with your computer, and you can also edit these photos on your computer. Thanks to Huawei Share, you don't even need a USB cable for data transfer between your Phone and computer.

> ● Both your Phone and computer must be connected to the same network (for example, to the same Wi-Fi network).

Use Huawei Share to Quickly Share Files Between Huawei Devices

You can use Huawei Share to quickly transfer photos, videos and other files between Huawei devices. Huawei Share uses Bluetooth to detect other nearby Huawei devices and then uses Wi-Fi Direct to quickly transfer files without using mobile data.

ⓘ Huawei Share uses Wi-Fi and Bluetooth to transfer data. When Huawei Share is enabled, both Wi-Fi and Bluetooth are automatically enabled.

Use Huawei Share to send files: Select the files you want to share and then touch **Share**. To send files, select a receiving device from the list of nearby devices and confirm.

Use Huawei Share to receive files: Swipe down from the status bar to open the notification panel,

and then touch ((•)) to enable Huawei Share. Touch **ACCEPT** when the file transfer notification is displayed. Received files are saved by default to your **Huawei Share** folder in **Files**.

> ⓘ No confirmation is required if the two Huawei devices have been logged in using the same HUAWEI ID.

Transfer Files between Your Phone and Computer Using Huawei Share

With Huawei Share, you can easily share photos and files from your Phone to your computer (PC/Mac), with no USB cable necessary.

> ⓘ ● Huawei Share uses Wi-Fi and Bluetooth to transfer data. When Huawei Share is enabled, Wi-Fi and Bluetooth are automatically enabled.
>
> ● During the data transfer, ensure that your Phone and computer are connected to the same network (for example, to the same Wi-Fi network).

Share files on your Phone with a PC

1 Open 🔧 **Settings**, then touch **Device connectivity** > **Huawei Share** to enable **Huawei Share**. Record **Name shown on computers**.

2 From your PC, open the Network folder, and double-click **Name shown on computers**.

3 Then enter the password. You can view the password under **Device connectivity** > **Huawei Share** > **Verification on computers**.

4 View your albums or internal storage.

Share files on your Phone with a Mac computer

1 Open Settings, then touch **Device connectivity** > **Huawei Share** to enable **Huawei Share**. Record **Name shown on computers**.

2 From your Mac, open **Finder** and double-click the recorded **Name shown on computers**.

3 Choose to register a new user, then enter the user name and password. You can then view the password under **Device connectivity** > **Huawei Share** > **Verification on computers**.

4 View your albums or internal storage.

One-Touch Printing with Huawei Share

How do I quickly print travel photos, work files, or my children's homework from my Phone? Experience the ease of one-touch printing with Huawei Share.

Huawei Share's one-touch printing feature is convenient and easy to use. To start using it, swipe down from the status bar to display all shortcuts, and enable **Huawei Share**. Select the file you want to print, and then touch **Share**. If a supported printer is nearby, your Phone can easily detect it. Just touch the printer's name, adjust any specifications on the preview screen, and then touch **PRINT**.

- Huawei Share now supports one-touch printing for images and PDF files.

  - For a list of supported printers, touch **Learn more** in the Huawei Share section (access this section by touching the Share icon on the picture or PDF you want to share), swipe left on the screen, then touch **What printers are supported?** to see the list.

Security and Privacy

Face Unlock

Enroll Your Facial Information to Enable Face Unlock

Face unlock allows you to quickly unlock your Phone by holding it up to your face.

⚠ ● Only the owner can enable Face unlock. This feature is not available for users or guests, and not supported in PrivateSpace either.

● Face unlock is not available if the screen unlock password has not been entered for three or more days in a row, or if your Phone has been remotely locked, or has been restarted.

● When using Face unlock to unlock your Phone, keep your eyes open, face yourself directly towards your Phone, and keep your face at a distance of 20 cm (7.87 in.) to 50 cm (19.69 in.) from your device. In order to scan your face accurately, avoid using this feature when you are in a dark environment or when facing direct light.

1 Open ⬙ **Settings**. Go to **Security & privacy** > **Face recognition** and enter your screen unlock password.

2 You can select **Enable Pick up to wake device to enhance the Face unlock experience**. In this case, your Phone will turn on the screen and identify your facial features to unlock the screen automatically whenever you pick up your Phone and hold it to your face. If you do not wish to use this feature, you can disable this option. Touch **Enroll face** and follow the onscreen instructions to enroll your face.

3 Methods to set Face unlock:

● **Direct unlock**: Turn on the screen. Your Phone identifies your facial features and unlocks the screen.

● **Swipe to unlock**: Turn on the screen. After your Phone identifies your facial features, swipe the lock screen to unlock your device.

● **Smart display of lock screen notifications**: Enable **Slide to unlock** and **Smart lock screen notifications**. On the lock screen, your Phone hides notification details by default and displays them only after identifying the device owner's face.

● **Access app lock**: Enable **Access app lock** to access apps and locked apps using Face unlock.

Delete Face Data

If you no longer use Face unlock or want re-input your face data, you can delete the current face data.

Open ⬙ **Settings**, go to **Security & privacy** > **Face recognition**, follow the onscreen instructions and enter the lock screen password, then touch **Delete facial data** and follow the onscreen instructions to delete your current face data.

Pick Up to Unlock

Open ![Settings icon] **Settings**, and go to **Security & privacy** > **Face recognition**. When enrolling facial data, select **Enable Pick up to wake device to enhance the Face unlock experience**, and set the Face unlock method to **Direct unlock**. Once the setup is complete, you can simply raise your Phone to unlock the screen, without a password or fingerprint.

If you haven't selected **Enable Pick up to wake device to enhance the Face unlock experience**

when enrolling facial data, you can open ![Settings icon] **Settings**, go to **Security & privacy** > **Face**

recognition, and set the Face unlock method to **Direct unlock**. Then, open ![Settings icon] **Settings**, go to **Smart assistance** > **Motion control** > **Pick up**, and select **Wake up device**.

Fingerprint

Introduction to Fingerprint Recognition

Fingerprint recognition not only allows you to unlock your Phone faster, it also provides added security to your personal information.

You can use your fingerprint to:

- **Unlock your screen with a single touch**: Want to avoid the hassle of using PIN codes and patterns to unlock your screen? Use your fingerprint to quickly and securely unlock your screen with a single touch.
- **Access your private files**: Afraid of forgetting your password for the Safe or app lock, or having it fall into the hands of someone you don't trust? Set fingerprint access for the Safe and app lock to keep your files and apps secure and accessible by only you.
- **Perform fingerprint shortcuts**: Can't reach the shutter button to take a photo? Want a faster way to answer a call or turn off an alarm? Set fingerprint shortcuts to quickly take photos, answer calls, and turn off alarms with any of your fingers.

Use Fingerprint Shortcuts for Faster Device Operation

Can't reach the shutter button to take a photo, or want a faster way to answer a call or turn off an alarm? You can use any of your fingertips to quickly take photos and answer calls with the fingerprint sensor. No fingerprint verification is required.

Open ![settings icon] **Settings**, and go to **Security & privacy** > **Fingerprint ID**. From here, you can enable fingerprint shortcuts for the following features:

● **Take a photo or video**: From the viewfinder screen of Camera, touch and hold the fingerprint sensor to take a photo or video.

● **Answer a call**: Touch and hold the fingerprint sensor to answer a call.

● **Turn off an alarm**: Touch and hold the fingerprint sensor to turn off an alarm.

● **Show the notification panel**: When your screen is in portrait mode, swipe down on the fingerprint sensor to display the notification panel, touch twice to clear notifications, and swipe up to close the notification panel.

● **Browse pictures**: When viewing pictures in full-screen mode, swipe left or right on the fingerprint sensor to browse through your pictures.

Enroll a Fingerprint

You can enroll a fingerprint on your Phone and then use your fingerprint to unlock your screen or access your Safe or App Lock without a password.

⚠ ● Fingerprint unlocking is only available when your unlock method is set to **Pattern**, **PIN** or **Password**. You will be required to unlock your Phone using the screen unlock password after the device is restarted or if your fingerprint is not recognized.

● Before enrolling a fingerprint, make sure your finger is clean and dry.

1 Open 🔵 **Settings**.

2 Go to **Security & privacy** > **Fingerprint ID** > **Fingerprint management** > **Change unlock method**, select **Pattern**, **4-digit PIN**, **Custom PIN** or **Password**, and then follow the onscreen instructions to set an unlock password.

3 Once you have set an unlock password, touch **New fingerprint** to enroll a fingerprint.

4 Place your fingertip on the fingerprint sensor. Press down lightly on the sensor until your device vibrates. Repeat this step using different parts of your fingertip.

5 After enrollment is complete, touch **OK**.

To unlock the screen, simply place your fingertip on the fingerprint sensor.

Add or Modify a Fingerprint

You can enroll a maximum of five fingerprints on your device. You can also delete or rename your fingerprints.

1 Open 🔵 **Settings**.

2 Go to **Security & privacy** > **Fingerprint ID** > **Fingerprint management**.

3 Enter the screen unlock password and then follow the onscreen instructions to enter the fingerprint configuration screen.

4 In the Fingerprint list section, you can:

● **Enroll a new fingerprint**: Touch **New fingerprint** to enroll a new fingerprint.

● **Rename or delete a fingerprint**: Touch a previously enrolled fingerprint to rename or delete it.

● **Identify a fingerprint**: Touch **Fingerprint recognition** to identify and highlight enrolled fingerprints.

Use a Fingerprint to Quickly Access Private Information

Tired of having to enter a password each time you want to access private information in your Safe or a locked app? You can use your fingerprint to quickly access your private information. This method is convenient and safe.

1 Open 🔵 **Settings**.

2 Go to **Security & privacy** > **Fingerprint ID** > **Fingerprint management**.

3 Enter the screen unlock password and then follow the onscreen instructions to enter the fingerprint configuration screen. Enable **Access safe** and **Access app lock**, and then follow the onscreen instructions to enter the passwords.

Now you can:

- **Use a fingerprint to access the Safe**: Open **Files** and touch **Safe**, you can then access the Safe using your fingerprint.

- **Use a fingerprint to access apps locked by App lock**: You can now open locked apps on your home screen using your fingerprint.

Enable or Disable Location Services

After obtaining the location information permission, apps can obtain your location at any time. If your location information is obtained by a malicious app, you may be at risk of harm or fraud. You can enable or disable location services as needed and regularly monitor and manage the allowed permissions for your apps to protect your privacy and security.

Enable or disable location services: Open **Settings**, go to **Security & privacy** > **Location access**, and enable or disable **Access my location**. When location services are disabled, aside for pre-installed software, your Phone will stop all apps and services from collecting and using your location information. The system will ask you to enable location services when you attempt to use these apps.

- Features may vary depending on your carrier.

- Huawei only uses location data to provide you with necessary functions and services, not for the purpose of identifying and collecting your private information.

Set indoor positioning assistance: Open **Settings**, go to **Security & privacy** > **Location access** > **Advanced settings**, and enable or disable Wi-Fi and Bluetooth scanning. Scanning Wi-Fi networks and Bluetooth devices will improve the accuracy of indoor positioning.

PrivateSpace

PrivateSpace: Keep Your Private Information Hidden

PrivateSpace is a feature that allows you to create an independent space on your Phone to store your private information. Files and apps stored in PrivateSpace cannot be accessed from the MainSpace.
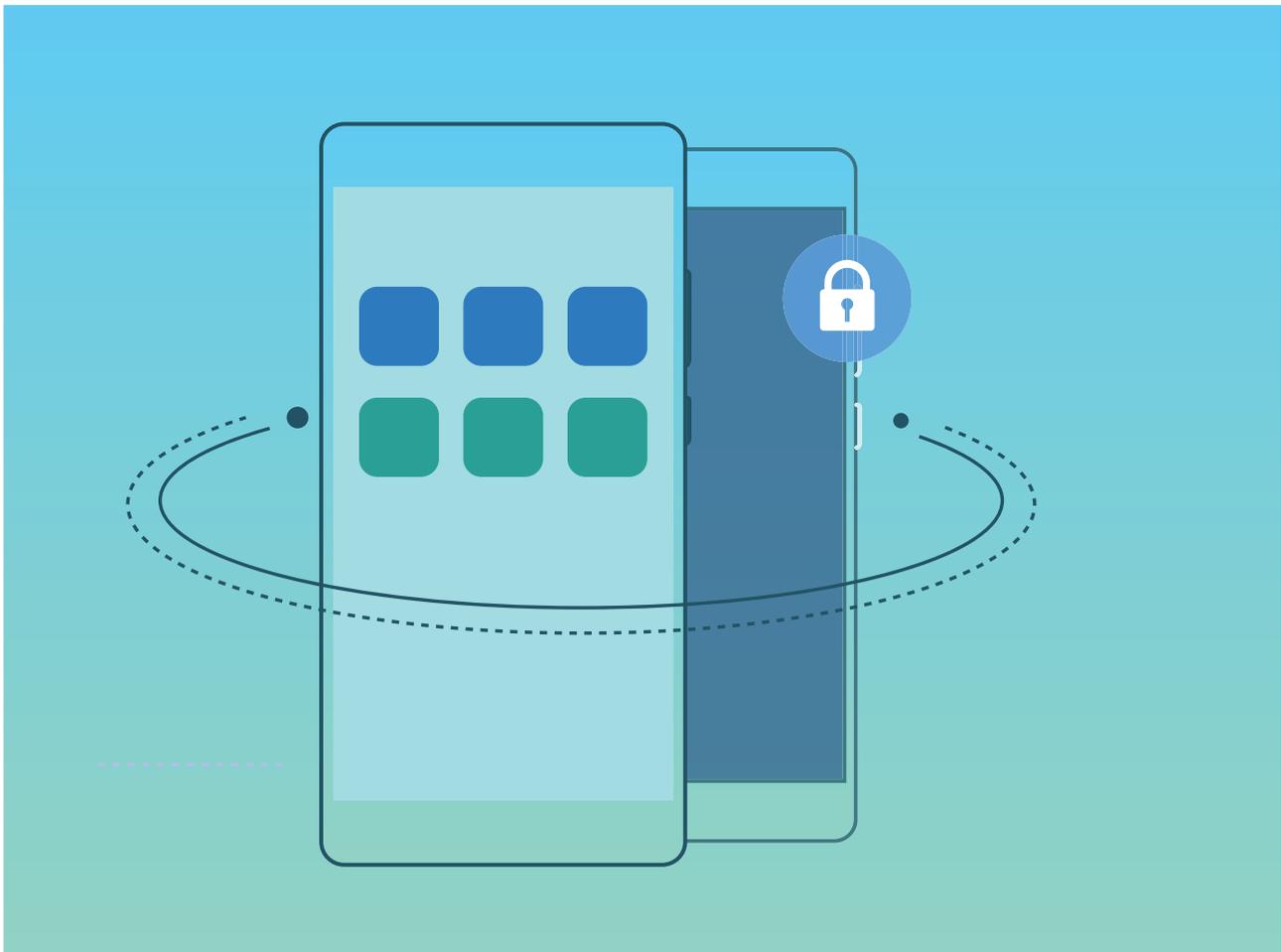
PrivateSpace provides you with the following features:

- **Hide access to your PrivateSpace**: Want to keep your PrivateSpace hidden from other people? You can hide access to your PrivateSpace in the MainSpace to keep your PrivateSpace out of sight.

- **Quickly switch between MainSpace and PrivateSpace**: From the lock screen, you can quickly switch between spaces using different fingerprints or passwords. The Wi-Fi and Bluetooth information set in the MainSpace or PrivateSpace can be automatically identified and connected in other spaces.

- **Transfer files between MainSpace and PrivateSpace**: You can transfer private files (such as pictures and videos) between MainSpace and PrivateSpace.

- **Reset the PrivateSpace password**: It is understandable to forget passwords occasionally. To reset your PrivateSpace password, you can enable password protection function by entering your MainSpace password and answering security questions.

- **PrivateSpace data backup**: Use the space clone function in the PrivateSpace to copy your PrivateSpace to another device.

  ⓘ If you want to switch directly to PrivateSpace from the lock screen using a password or fingerprint, the PrivateSpace password must be of the same type as your MainSpace password with a different content, or else you will not be able to access PrivateSpace from the lock screen.

Enable PrivateSpace

Do you worry that potentially embarrassing information might be seen by your friends and co-workers when you are showing them photos and other things on your Phone? PrivateSpace lets you store

private information in a hidden space within your device that can only be accessed with your
fingerprint or password.

> ℹ️ You can add up to three users to **Users** and **PrivateSpace** on your Phone. If you have already
> added three users under **Settings** > **Users & accounts** > **Users** > **Add user**, you cannot add
> more users to **PrivateSpace**.

Enable PrivateSpace: If you are using PrivateSpace for the first time, open 🔵 **Settings**, go to
Security & privacy > **PrivateSpace** > **Enable**, and follow the onscreen instructions to create your
PrivateSpace.

> ℹ️ You can only create one PrivateSpace.

Quickly switch between MainSpace and PrivateSpace: From the lock screen, you can quickly
switch between spaces using your fingerprint or password. After you restart your Phone, you are
required to first enter the MainSpace using your password. You can then switch between spaces from
your lock screen.

Enter PrivateSpace: You can enter your PrivateSpace directly from the lock screen using your
fingerprint or password. Alternatively, open 🔵 **Settings** in MainSpace, and go to **Security &
privacy** > **PrivateSpace** > **Log in** to enter your PrivateSpace.

Exit PrivateSpace: After entering your PrivateSpace, open 🔵 **Settings**, and go to **Security &
privacy** > **PrivateSpace** > **Exit**. When you exit your PrivateSpace, all system memory used by the
PrivateSpace will be freed. You can still switch back to your PrivateSpace when you need it.

Delete PrivateSpace: Deleting your PrivateSpace will permanently delete all apps and data stored
within your PrivateSpace and this data will be unable to be restored. You can delete your PrivateSpace
in the following ways:

- From the MainSpace, open 🔵 **Settings**, then go to **Security & privacy** > **PrivateSpace** and
  touch ⋮ > **Delete PrivateSpace**.

- In PrivateSpace, open 🔵 **Settings**, and go to **Security & privacy** > **PrivateSpace** > **Delete**.

Hide the Entrance to Your PrivateSpace

Want to keep all traces of your PrivateSpace hidden from other people? You can hide the entrance to
your PrivateSpace in the MainSpace, keeping your PrivateSpace hidden and secret.

After entering your PrivateSpace, open 🔵 **Settings**, go to **Security & privacy** > **PrivateSpace**, and
enable **Hide PrivateSpace**. After you hide the entrance to your PrivateSpace, you can only enter the
space by using your fingerprint or password on the lock screen.

Transfer Files Between Your PrivateSpace and MainSpace

Want to quickly transfer private photos, music, or videos to your PrivateSpace, or from your
PrivateSpace to your MainSpace?

1 After entering your PrivateSpace, open ![Settings icon] **Settings**, and go to **Security & privacy** >
PrivateSpace.

2 Touch **MainSpace to PrivateSpace** or **PrivateSpace to MainSpace**.

3 Follow the onscreen instructions to select the files and transfer them to the target location.

> ![info icon] Files stored on your device or memory card can be transferred from your MainSpace to your
> PrivateSpace, but only files stored locally on your device can be transferred from your
> PrivateSpace to your MainSpace. This is because memory cards are blocked in PrivateSpace.
> Files stored in the cloud cannot be transferred between your PrivateSpace and your
> MainSpace. Not all devices support memory cards.

By default, transferred image files are stored at **Gallery** > **Shared images**, video files are stored at
Gallery > **Shared videos**, and audio files are stored at **Files** > **Internal storage** > **Move files** >
Shared audio.

Transfer Your PrivateSpace Data to Your New Device

You can clone your PrivateSpace to quickly transfer your private files to another device.

> ![info icon] ● Before transferring your data, ensure that the new device has enough storage space remaining.
>
> ● You can transfer the following data from one device to another: pictures, audio files and
> videos.

1 Enter PrivateSpace on your new device and open ![Settings icon] **Settings**. Go to **Security & privacy** >
PrivateSpace > **Space Clone** > **THIS IS THE NEW PHONE** to generate a QR code.

2 Enter PrivateSpace on your old device and open ![Settings icon] **Settings**. Go to **Security & privacy** >
PrivateSpace > **Space Clone** > **THIS IS THE OLD PHONE**. Follow the onscreen instructions to
scan the QR code displayed on your new device. Alternatively, connect your old device to your
new device's Wi-Fi hotspot manually. After establishing a connection, select and transfer data from
your old device to your new device.

> ![info icon] You can cancel the file transfer anytime during the transfer process and continue your progress
> when you re-establish a connection.

Reset Your PrivateSpace Password

Too many passwords to remember? Can't enter my PrivateSpace without a password? Set a security
question so that when you forget your PrivateSpace password, you can answer the security question
to quickly reset your PrivateSpace password.

Enable the security question feature: After entering your PrivateSpace, open ![Settings icon] **Settings**, and go
to **Security & privacy** > **PrivateSpace**. Touch **Password protection** and follow the onscreen
instructions to enter your MainSpace and PrivateSpace passwords to enter the password security
question screen.

Set your security question: Touch the security question and either select one of the preset security
questions or create your own. Enter the answer to the security question and touch **Finish** to enable
the security question feature.

ⓘ After you enable the security question feature, you can also modify the security question and its answer.

Modify your PrivateSpace password: Enter the MainSpace, open 🔵 **Settings**, and go to **Security & privacy** > **PrivateSpace**. Touch ⋮ > **Reset password**. Follow the onscreen instructions to enter your MainSpace password and the answer to the security question, and then set your PrivateSpace password.

ⓘ You can reset the PrivateSpace password in the MainSpace only after you set the password security question in your PrivateSpace.

ⓘ **In case the entrance to PrivateSpace is hidden and you cannot enter the reset PrivateSpace screen**: Enter the MainSpace and open 🔵 **Settings**. Go to **Security & privacy** > **More settings** > **Show all settings** and touch **OK** to display the entrance to PrivateSpace.

Enable App Lock

App lock allows you to set a password for your important apps. Once you restart your Phone or unlock the screen, you will be asked to enter your App lock password when opening the apps for the first time. App lock enhances the protection of your private information and prevents unauthorized access to important apps on your device.

Enable App lock: Open 🔵 **Settings**. Go to **Security & privacy** > **App lock**. When you access the app for the first time, follow the onscreen instructions to set the password and enter the app lock. In subsequent access, you can directly enter the app lock password. On the App lock screen, enable App lock for the apps you want to protect. When accessing a locked app for the first time, you need to enter the password in the password text box. If you forget the password, touch **Forgot password**, enter the answer in the password protection question box, and reset the password. If you have not set the password protection, the **Forgot password** option is not available.

ⓘ If you have set up a fingerprint and facial recognition to unlock your Phone and are opening App lock for the first time, you can follow the onscreen instructions to associate your fingerprint and facial recognition with App lock for easier app unlocking.

Modify your App lock password and password protection: Touch ⚙ on the App lock screen, and then touch **Change password** or **Change password protection** to modify your App lock password or password protection.

ⓘ If you enter a wrong password five times in a row while logging in to App lock, your Phone will be locked for one minute. You can try again in one minute. If you enter a wrong password another three times in a row, you will need to wait 10 minutes.

More Security Settings

Introduction to the Password Vault

As you install more and more apps on your device, you may start finding it difficult to remember all your login names and passwords. Password vault can help resolve this problem by automatically saving your usernames and passwords, and associating them with your 3D facial image, fingerprint, and lock screen password, helping you to log in to apps securely and conveniently.

The Password vault provides the following functions:

● **Daily login to device apps**: When you download an app for the first time or log in to an app again, Password vault saves your username and password and associates the password with the facial image, fingerprint, or screen lock password. When you log in to the app again, you only need to use one of the associated decryption methods to automatically fill in the password, and log in to the app securely and conveniently.

● **Login to device apps after device replacement**: After phone cloning is complete, if you have saved your usernames and passwords for various apps on the old device to Password vault, you can use the facial image, fingerprint, or lock screen password to log in to the apps securely and conveniently.

ⓘ Usernames and passwords are encrypted in the hardware of the device and stored locally. They cannot be read by any parties, including Huawei.

Enable Password Vault

Forget your password when logging in to an app? Password vault saves and automatically fills in your passwords, allowing you to log in to apps on your Phone more conveniently and securely.

Enable or disable Password vault: Password vault is enabled by default. After you update your Phone, you can enable Password vault by performing the following operations:

1 You need to enter the lock screen password to log in to Password vault. Open **Settings**, and go to **Security & privacy** > **Password vault**.

2 Enter the screen lock password to access the **Password vault** screen.

3 Enable **Password vault**. When you log in to the app for the first time and select **SAVE**, the login account and password are automatically saved. When you log in to the app again, the password is associated with one of the encryption methods such as your facial image by default, which is convenient and secure.

4 Enable or disable **Autofill settings** for a single app. If the automatic filling function is enabled for an app, you can use a facial image or fingerprint to automatically fill in the password when you log in to the app, which is convenient and secure. If the automatic filling function is disabled for an app, you must enter the account and password to log in to the app.

ⓘ Password Vault is applicable to lots of applications such as WeChat and AliPay but not QQ, and some applications are not applicable due to version limits.

Introduction to User Data Protection

Worried that your photos, bank account information, or other private data might get leaked if your Phone is lost or stolen? Huawei Phones now feature security chips in addition to the combined protection provided by the trusted root key and lock screen password. Whether your data is stored in a memory card or internal storage, it will receive the highest level of protection.

Stronger encryption and safeguards: Huawei Phones use a hardware key that cannot be used to decrypt data when separated from the Phone. Based on the trusted root key, the encrypted components are incorporated into the memory control chip to enhance the data protection capability of the hardware. This works together with your lock screen password to protect your private data. When you use PrivateSpace, Multi-user, encrypted memory card files, or other features to encrypt photos, personal information, or other personal data, others cannot gain access to your data unless the trusted root key, lock screen password, and security chip are simultaneously cracked.
ⓘ Not all devices support memory cards.
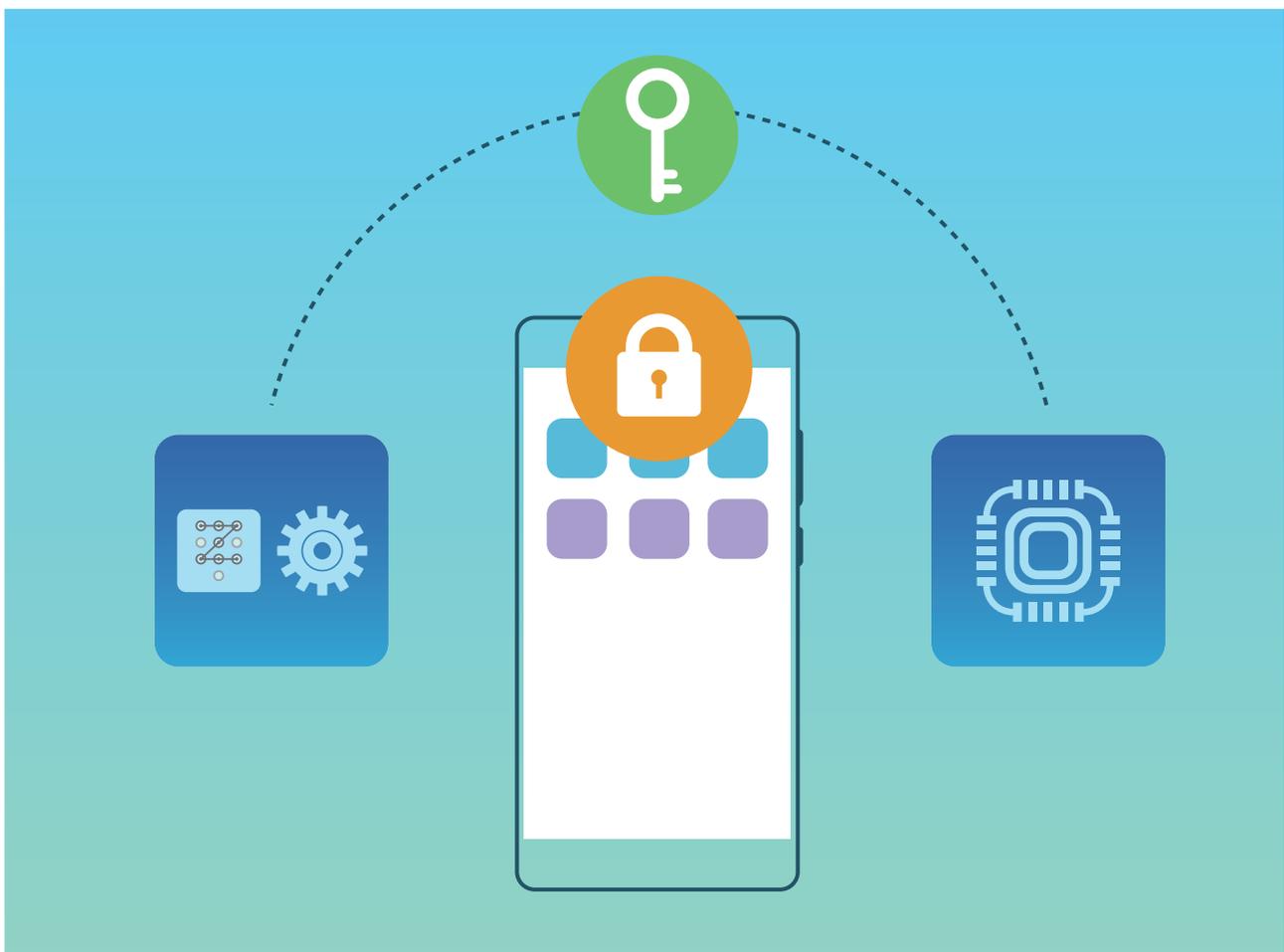
Backup and Restoration

Data Backup: Prevent the Loss of Your Data

Worried about losing important data on your Phone? Protect yourself against data loss with regular data backups.

You can back up the data in your Phone in the following ways:

● **To a USB storage device**: Using a USB OTG cable, you can connect your Phone and back up your important data to a USB storage device.

● **To your computer or home NAS devices**: Using Wi-Fi scanning to detect shared folders on the same Wi-Fi network, you can back up all your Phone's important data, such as pictures and large files, to your computer or home NAS devices to prevent data loss and free up storage space on your Phone.

Data Backup Using HiSuite

You can use the backup function of **HiSuite** to back up all your device's important information, including your contacts, SMS messages, images, or other large files on your Phone and store them on your computer. You can easily restore data from the computer back on your original device, or restore it to other Huawei devices.

HiSuite can help you with the following:

● Back up all your data to your computer.

● The storage space for your data depends on the computer's available space.

● Provide encrypted backups (unencrypted by default).

Data Backup to a USB Storage Device

If you are running out of storage space on your Phone or you want to back up your important data to an external storage device, you can connect your Phone to a USB storage device using a USB OTG cable and back up your data to the storage device. USB storage devices compatible with your Phone include USB flash drives, card readers, and devices with an Memory card inserted.

Open ![Settings icon] **Settings**, go to **System** > **Backup & restore** > **Data backup** > **External storage** > **USB storage**, then touch **BACK UP**. On the**Select data** screen, select the data you want to back up and touch **Back up**.

ⓘ You can go to ⋮ > **Backup encryption** > **Encrypt backups** to enable **Backup encryption** on the backup page, and then set a password when prompted. The password will be used when you want to restore files later. Always remember your backup password or set security questions to help remember the password as you will not be able to retrieve your backup files without it.

Reset Your Phone

If the operating speed of your Phone starts to slow down due to long-term accumulation of caches and residual files, you can reset your Phone to erase these cached files completely and restore your device's factory settings.

Reset network settings: This will restore your Wi-Fi, mobile data network, and Bluetooth settings, including hotspot tethering and Bluetooth pairing information. It won't change other settings on your Phone, or delete any data or files.

Open **Settings**, go to **System** > **Reset** > **Reset network settings**, touch **RESET NETWORK SETTINGS**, and follow the onscreen instructions to reset the settings.

Restore all settings: This will restore your device's initial network settings, fingerprint data, face data, and lock screen passwords. It won't reset settings for Find my Phone or HUAWEI ID, nor will it delete any data or files.

Open **Settings**, go to **System** > **Reset** > **Reset all settings**, touch **Reset all settings**, and follow the onscreen instructions to reset the settings.

Restore factory settings: This will delete all data in your device's memory and storage, including your account settings, system settings, app data, installed apps, music, images, and documents, and restore your Phone to its original factory settings. Back up your data before restoring your device to its factory settings.

Open **Settings**, go to **System** > **Reset** > **Reset phone**, touch **Reset phone**, enter the screen unlock password (if any), and follow the onscreen instructions to reset the settings.

Restore Your Backup Data

Restore your backup data from your Phone's USB storage devices, depending on the original backup location.

1 Open **Settings**, then touch **System** > **Backup & restore** > **Data backup** > **External storage**.

2 Select the location from which your backup data will be restored.

 a If you are using a shared folder for backup, ensure that your Phone has detected the shared folder on your computer or home NAS devices through Wi-Fi scanning. Then touch **Shared folder** and select an appropriate backup record to access.

 b If you are using a USB storage device for backup, ensure that your Phone has been connected to a USB storage device. Then touch **USB storage** and select an appropriate backup record to access.

3 Select the data to be restored and touch **Restore**. If you have enabled **Encrypt backups**, enter the password as prompted and restore your data.

Data Backup by Shared Folders to Your Computer or Home NAS Devices

Did you store important data, pictures, or large files on your Phone? You can back up your data to a computer or home NAS device by using a shared folder to prevent data loss and free up storage space on your Phone.

Open **Settings**, go to **System** > **Backup & restore** > **Data backup** > **External storage** > **Shared folder**, and touch **Add a shared folder**. After your Phone detects PCs or NAS devices on the same network through Wi-Fi scanning, touch to access a device and add its shared folder. Then touch **BACK UP**, select the data you want to back up in **Select data** and touch **Back up**.

 You can touch ⋮ > **Backup encryption** > **Encrypt backups** to enable **Backup encryption** on the backup page, and then set a password when prompted. The password will be used when you want to restore files later. Always remember your backup password or set security questions to help remember the password as you will not be able to retrieve your backup files without it.

Wi-Fi and Network

Wi-Fi

Introduction to Wi-Fi+

Wi-Fi+ intelligently connects to Wi-Fi networks to save mobile data consumption. When your device detects a known or free Wi-Fi network, it will automatically turn on Wi-Fi and connect to the network. Your device will also automatically select the optimal network in the area for the best Internet connection.
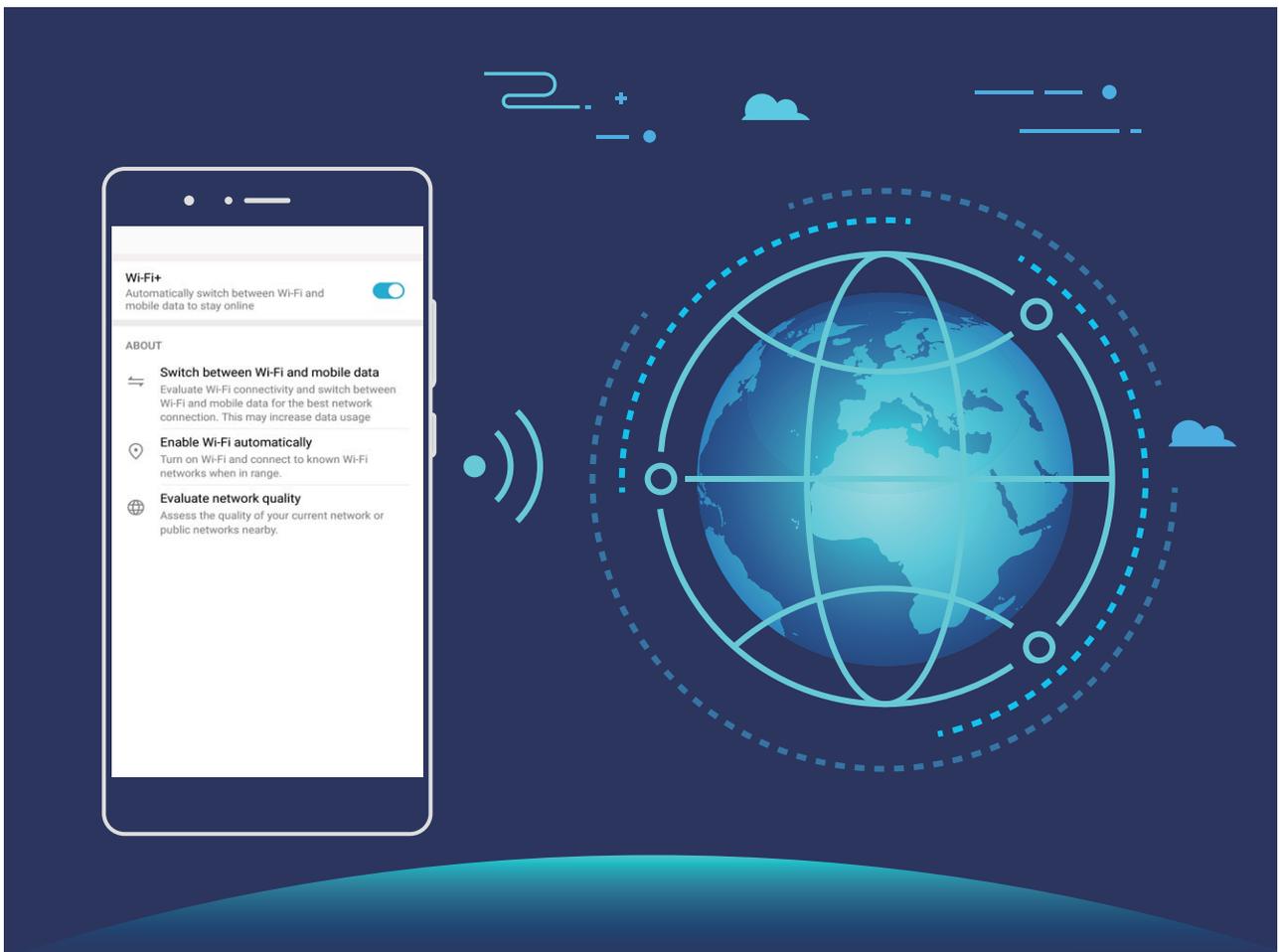
Once you have enabled Wi-Fi+, your device will:

- **Automatically select and connect to the optimal network**: Automatically select and connect to Wi-Fi networks you've previously connected to, free networks, or your mobile data network, depending on the signal strength at your current location.

    ⓘ You can view the connection status by checking the icons in the status bar:

    - The 🛜 icon indicates that your device is connected to the Internet over Wi-Fi.

    - The ⑪ icon in the bottom left of the signal bar indicates that your device is connected to the Internet over mobile data.

- **Automatically turn Wi-Fi on:** Depending on the Wi-Fi networks you have connected to previously, Wi-Fi will be automatically enabled in specific locations. This will prevent your device from constantly searching for new networks.

- **Assess the quality of available networks**: Evaluate currently available network hotspots and prevent your device from automatically connecting to networks with no Internet connection.

Connect to Wi-Fi

By connecting your device to a Wi-Fi network, you can effectively save mobile data.

> ⓘ To avoid potential security risks (such as unauthorized access to your personal data and financial information), please exercise caution when connecting to a public Wi-Fi network.
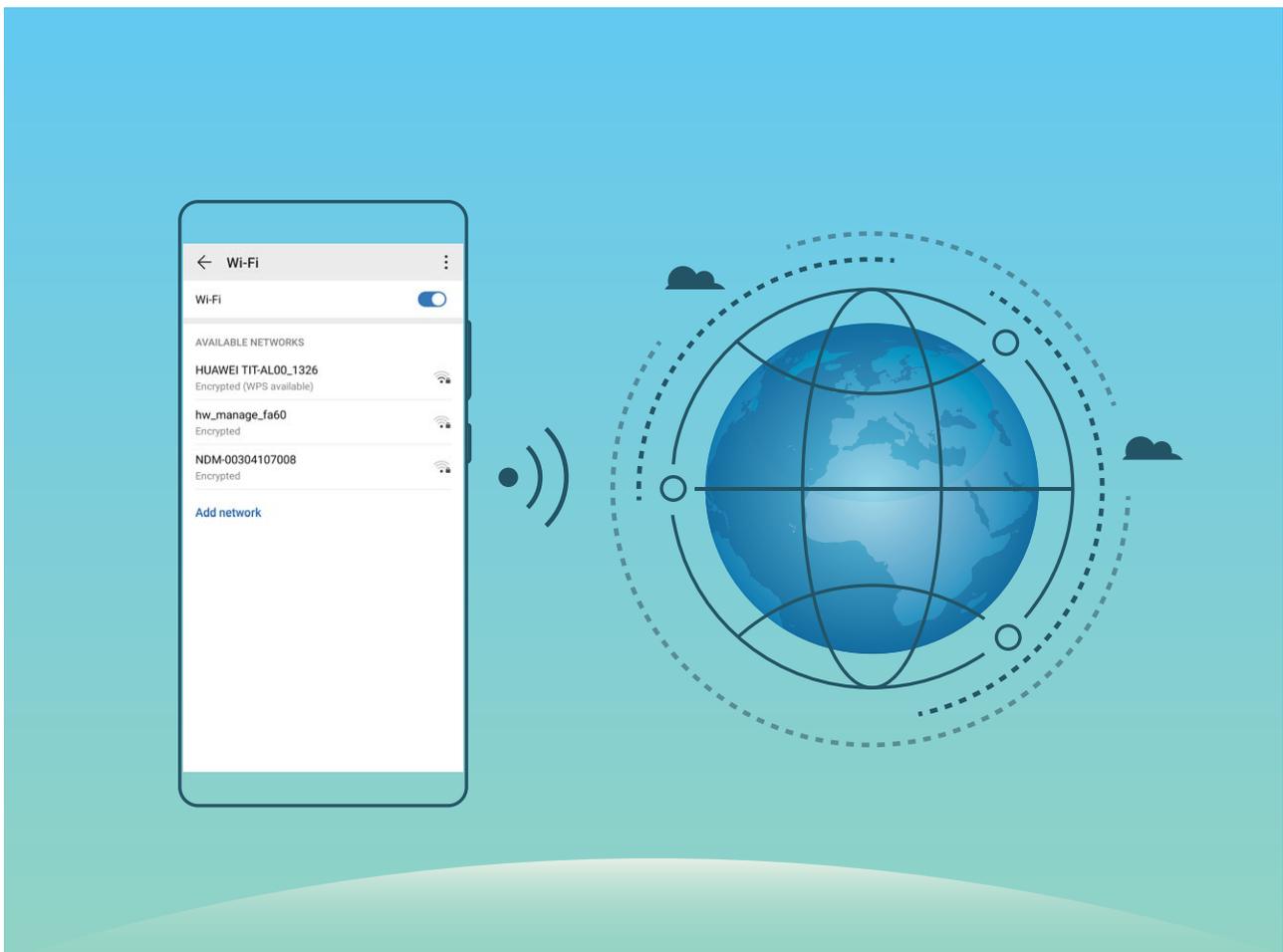
Connect to a Wi-Fi Network: Open 🔵 **Settings**, go to **Wireless & networks** > **Wi-Fi**, and enable **Wi-Fi**. Touch a Wi-Fi network to access it, and enter the network password or complete the authentication if required. Alternatively, you can scroll to the bottom of the menu, touch **Add network**, and follow the onscreen instructions to add a network hotspot by entering its name and password.

Transfer Data Using Wi-Fi Direct

Wi-Fi Direct allows you to rapidly transfer data between Huawei devices. Wi-Fi Direct is faster than Bluetooth and does not require devices to be paired. It is better suited to transferring large files over short distances.
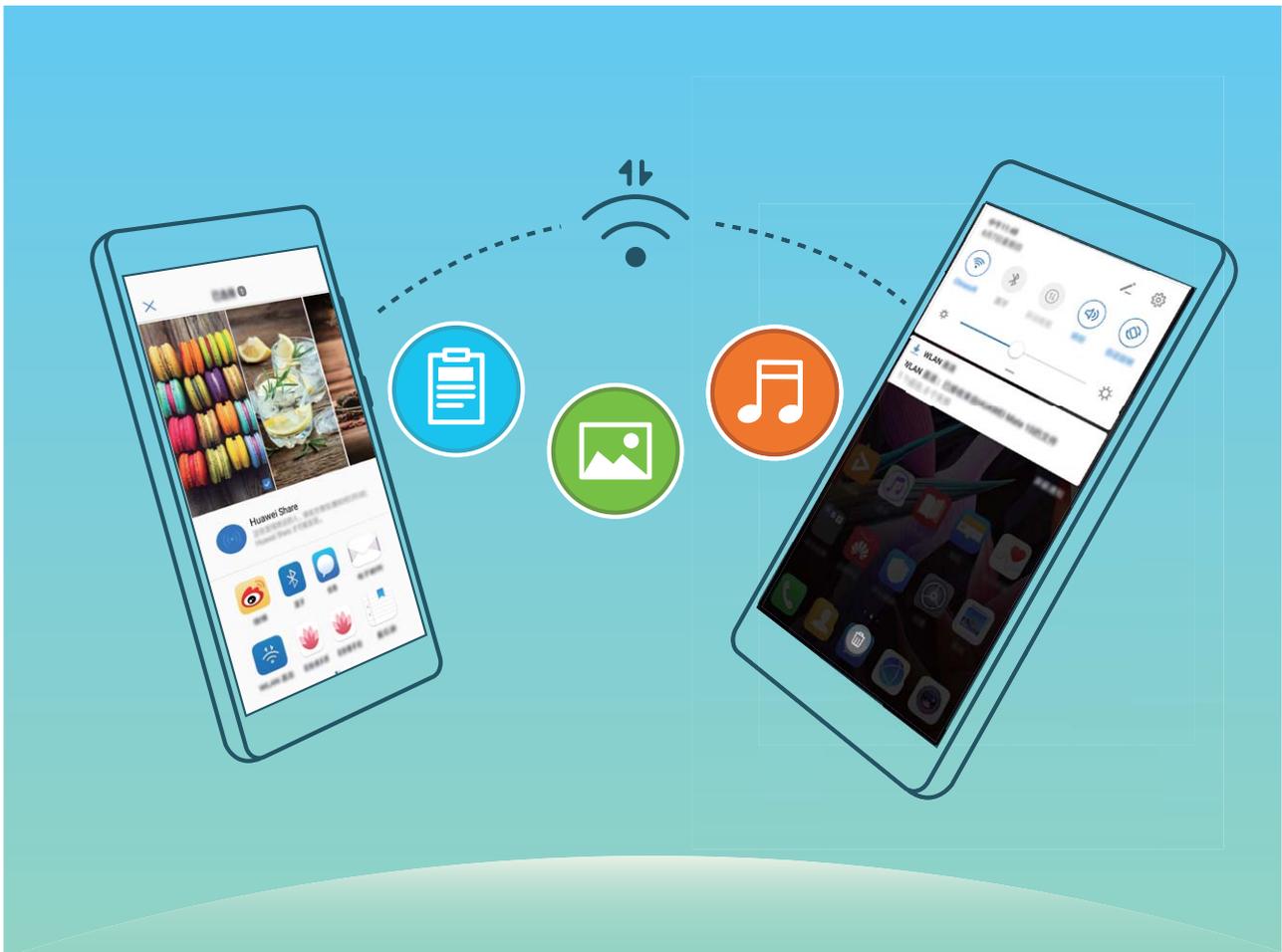
Send files with Wi-Fi Direct: Open ▢ **Files**, touch and hold a file you want to send, and go to **More** > **Share** > **Wi-Fi Direct**. When another device is detected, touch its name to establish the connection and begin file transfer.

Receive files with Wi-Fi direct: Enable **Wi-Fi**. In the Wi-Fi settings screen, touch ⋮ > **Wi-Fi Direct** to enable detection. When you receive an incoming file prompt, touch **Accept** to begin the transfer. The received file will be saved under **Files** in the **Wi-Fi Direct** folder by default.

Turn Wi-Fi+ On or Off

Open ▢ **Settings**, go to **Wireless & networks** > **Wi-Fi** > ⋮ > **Wi-Fi+**, and choose to enable or disable **Wi-Fi+**.

ⓘ ● Your Phone will automatically connect to the optimal network available after Wi-Fi+ is enabled.

● Wi-Fi+ may automatically switch to your mobile data network, depending on strength of Wi-Fi+ signals in your area. Note that using mobile data to download or view videos and other large files may incur additional data usage fees. To avoid excessive data charges, purchase an appropriate data plan.

● After Wi-Fi+ is enabled, even if Wi-Fi is disabled manually, the device may automatically switch to a Wi-Fi network when it detects a viable Wi-Fi network you have previously connected to.

Connecting to the Internet

Connect to Wi-Fi networks effortlessly with your device.

Connecting to a Wi-Fi network

1 Swipe down from the status bar to open the notification panel.

2 Touch and hold 📶 to open the Wi-Fi settings screen.

3 Switch on **Wi-Fi**. Your device will list all available Wi-Fi networks at your location.

4 Select the Wi-Fi network you want to connect to. If you select an encrypted network, you will also need to enter the Wi-Fi password.

Connecting using mobile data

ⓘ Before using mobile data, ensure that you have a data plan with your carrier to avoid incurring excessive data charges.

1 Swipe down from the status bar to open the notification panel.

2 Touch ⑪ to enable mobile data.

ⓘ When you don't need to access the Internet, disable mobile data to save battery power and reduce data usage.

Share Your Mobile Network with Other Devices

Have extra mobile data at the end of the month? You can share it with your friends.

You can use Wi-Fi hotspot or Bluetooth to share your mobile data with other devices.

Use Wi-Fi hotspot to share mobile data: Open ![Settings icon] **Settings** and go to **Wireless & networks** > **Tethering & portable hotspot** > **Portable Wi-Fi hotspot** > **Configure hotspot**. Set the hotspot name, encryption type, and password for the Wi-Fi hotspot, then touch **Save** and enable the hotspot to use it.

ℹ️ **Worried other devices will have unlimited access to your hotspot data?** On the **Portable Wi-Fi hotspot** screen, touch **Data limit** to set the data limit for a single session. When the data sharing limit is reached, your device will automatically disable the hotspot.

Use Bluetooth to share mobile data: Establish a Bluetooth connection between devices before using Bluetooth to share your mobile data. Open ![Settings icon] **Settings**, go to **Wireless & networks** > **Tethering & portable hotspot**, and enable **Bluetooth tethering**. On the **Bluetooth** screen of the paired device, touch ⚙ next to the paired device, and enable **Internet access** to establish an Internet connection and share your mobile data.

Use USB to share mobile data: Use a USB cable to connect your device to a computer. Open ![Settings icon] **Settings**, go to **Wireless & networks** > **Tethering & portable hotspot**, and enable **USB tethering** to start sharing your mobile data.

ℹ️ Depending on the operating system, you may need to install drivers or establish the relevant network connection on your computer before using this function. Refer to your computer's operating system guide for more information.

Apps and Notifications

App Twin: Log In to Two Social Media Accounts at Once

Have you ever wished you could log in to two WeChat and Facebook accounts on your Phone without the hassle of constantly switching between them? App twin lets you log in to two WeChat and Facebook accounts at the same time, allowing you to keep your work and private life separate.

> ⓘ The App twin feature is currently limited to WeChat, QQ Messenger, LINE, Facebook, Snapchat, WhatsApp, and Messenger. Please download and install the latest version of these apps before using the App twin feature.

Touch **Settings**, and go to **Apps** > **App twin**. Enable App twin as required.

When App twin is enabled for an app, two app icons are displayed for the app on the home screen. This means that you can log in to two accounts at the same time. Touch and hold the twinned app icon on the home screen to quickly disable App twin.

Sound and Display

Configure Do Not Disturb Mode

Do not disturb mode blocks calls from strangers and only notifies you when you receive calls and messages from chosen contacts.

Open ![Settings icon] **Settings** and go to **Sounds** > **Do not disturb**. Toggle on the **Do not disturb** switch, then touch **Do not disturb mode** and select one of the following options:

- **Allow calls and messages from important contacts**: Select **Allow priority interruptions only**, and then touch **Define priority interruptions** to configure which contacts can call or message you.
- **Allow alarm ringtones**: Select **Alarms only** to only allow alarm ringtones.
- **Disable all interruptions**: Select **Don't interrupt** to disable ringtones and vibrations and prevent the screen from turning on for incoming calls, messages, and alarms.

> ![info icon] ● Some third-party apps may continue to ring when Do not disturb mode is enabled. Configure the in-app settings to mute notifications from these apps.

Time rule: Prevent interruptions at set times, such as weekends or evenings. Touch **Time** to configure the time period and repeat interval, then toggle on the **Time** switch.

Event rule: Prevent interruptions during meetings or events. Touch **Event** to enable **Do not disturb** mode during calendar events.

Configure Your Sound Settings

When you are watching movies or playing games, your device will automatically switch to stereo sound to enhance your audio experience. You can also set ringtones and audio reminders for a variety of different scenarios.

Adjust system volume: Press a volume button or move the slider to quickly adjust the media volume. Touch ![gear icon] to display the sound settings screen. You can then adjust the volume of the ringtone, media, and alarm.

> ![info icon] You can also adjust volume in your system settings. Open ![Settings icon] **Settings**, touch **Sounds** and drag the volume slider to adjust your volume.

Switch between sound, vibration, and silent mode: Swipe down from the status bar and open the shortcuts panel. Touch ![bell icon] to switch quickly between **Sound**, **Silent** and **Vibration** mode.

Enable keypad and notification tones: Open ![Settings icon] **Settings**, and go to **Sounds** > **More sound settings** to enable or disable keypad and notification tones and vibration on touch.

Set your Phone to Silent mode: From the **Sounds** screen, enable **Silent mode**. After you enable **Silent mode**, enable **Vibrate in silent mode**. Now when you receive an incoming call, your screen will light up and your device will vibrate.

Customize your ringtone and notification tone: From the **Sounds** screen, select a custom ringtone or use the **Notification**.

More Display Settings

Use Shortcuts to Access Frequently Used Features

You can touch and hold an app icon to display a menu of frequently used features for quick access. You can also touch and hold a feature and drag it to your home screen to create a shortcut.

ⓘ If you touch and hold an app icon and no shortcut is created, the app does not support home screen shortcuts.

Quickly access frequently used app features: Touch and hold an app icon on your home screen, and then touch a frequently used feature to access it. Each app supports up to four frequently used features. These are preset by the app and cannot be changed. For example, to take a selfie, touch and hold the camera icon, and then touch **Selfie** in the pop-up menu to create a selfie shortcut.

Add shortcuts to your home screen: Touch and hold an app icon on your home screen to bring up the menu. Touch and hold the desired feature, and then drag it to your home screen to create a shortcut. For example, you can add a shortcut for the camera's selfie feature for quick access to the selfie feature.

Change the Display Settings

Change the font size and adjust the screen brightness to suit your needs.

Open **Settings** and touch **Display**. From here, you can:

- **Full-screen display**: Go to **More display settings** > **Full screen display** to display the app in full screen mode as required.
- **Configure the notch display settings**: Touch **More display settings** > **Notch** to configure the notch display settings.
- **Change the image and text size**: Touch **Text and display size** and select a display mode to suit your needs.
- **Enable automatic screen rotation**: Go to **More display settings** > **Auto-rotate screen** to enable automatic rotation. Alternatively, swipe down from the status bar to open the notification panel, and then enable .
- **Adjust the color temperature**: Go to **Color mode & temperature**. You can select the **Default**, **Warm**, or **Cold** option recommended by the system. Alternatively, touch anywhere on the circle or drag the spot to manually adjust the color temperature.

- **Automatically adjust the screen resolution**: Touch **Screen resolution** and enable **Smart resolution**. The Phone will automatically adjust the screen resolution to reduce power consumption.

- **Play screen savers while charging in Sleep mode**: Go to **More display settings** > **Screen saver**, and enable **Screen saver**. You can set **Picture source** and **Duration**. After the setting is complete, your Phone will display a slideshow of your photos when it is being charged and enters Sleep mode.

- **Display more information in the status bar**: Touch **More display settings**. Depending on your preferences, you can enable **Display carrier name** or **Display network speed**.

Storage

Enable Memory Cleanup

Your Phone may slow down over time as your storage space gets smaller. You can use memory cleanup to free up storage space, improve system performance, and keep your Phone running smoothly.

Open **Phone Manager**. Touch **Cleanup** to clear memory and cache and optimize performance. If your storage space is still low, you can perform a deep clean to free up additional storage space.

Smart Assistance

Access Phone Functions from Anywhere with Navigation Dock

In order to close an app or return to the home screen, you must use the navigation bar at the bottom of your Phone. You can enable the Navigation dock feature on your Phone to avoid using navigation buttons and to comfortably operate your device with one hand.

Open **Settings**. Go to **System** > **System navigation** > **Navigation dock** and enable **Navigation dock**. The Navigation dock will appear on the screen. You can then drag it to your preferred location. The Navigation dock can perform the following actions:

- **Back**: Touch the Navigation dock once to go back one step, or touch it twice to go back two steps.
- **Home**: Touch and hold the Navigation dock and then release it to go to the home screen.
- **View background apps**: Touch and hold the Navigation dock and then swipe left or right to view any apps that are running in the background.

System

Change the Input Method

You can change the input method on your Phone as desired.

Switch the input method: Open ![Settings icon] **Settings**, go to **System** > **Language & input** > **Default keyboard**, and select an input method.

Accessibility

Enable TalkBack to Have Onscreen Content Read Aloud

TalkBack reads aloud content on the screen that you touch, select, or activate. It is a useful tool that helps visually impaired users interact with their Phone.

1 Open ![Settings icon] **Settings** and go to **Smart assistance** > **Accessibility** > **TalkBack** > ![gear icon] to open the TalkBack settings screen.

2 Enable **TalkBack** and touch **OK**. Your device will launch a tutorial when you enable TalkBack for the first time. If you need to listen to the tutorial again, touch ![gear icon] , open the TalkBack settings screen, and then launch the tutorial.

3 Touch ![gear icon] and enable **Explore by touch**. When **Explore by touch** is enabled, your device will read out content that you touch.

Why does my Phone suddenly start reading out content on the screen? How do I disable this feature? You may have enabled TalkBack by accident. To disable TalkBack, press and hold the Power button until your device vibrates, and then touch the screen with two fingers for at least three seconds.

Learn TalkBack Gestures

TalkBack uses a special set of gestures for Phone operation. When TalkBack is enabled, these gestures are required to interact with the device.

ⓘ If you accidentally enable TalkBack, press and hold the Power button until your device vibrates, and then touch the screen with two fingers for at least three seconds to disable it.

Navigate the screen: Swipe up or down with two fingers to scroll through menu lists. Swipe left or right to move between screens.
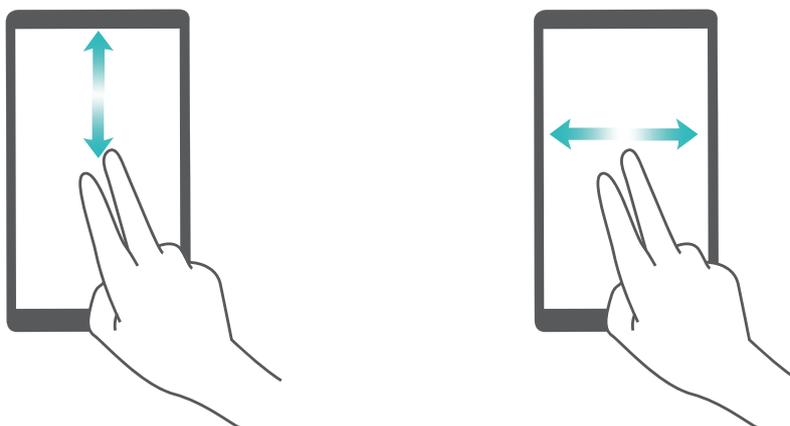
Select an item: Touch an item with one finger to select it (it will not open). Your device will read out the content of the selected item.

Open an item: Double-touch any part of the screen using one finger to confirm your selection from the previous step.

For example, if you want to open **Settings**, touch the **Settings** icon once using one finger, and then touch twice anywhere on the screen.

Use Text-to-Speech Output with TalkBack

The text-to-speech feature can read aloud texts on the screen of your Phone. It can also be used with the TalkBack service to help visually impaired users interact with their devices.

Open **Settings**, go to **Smart assistance** > **Accessibility**, and enable **Text-to-speech**. Configure your preferred engine and speech rate to enable this feature.

Enable Color Correction

The color correction setting enables your device to compensate for the effects of color blindness.

ⓘ When color correction is enabled, users with normal color vision may have difficulty viewing some colors.

Open **Settings**, go to **Smart assistance** > **Accessibility** > **Color correction**, and enable **Color correction**. Touch **Correction mode** to select the required color correction mode.

General Settings

Change Your System Language

Want to change your Phone's system language? This can be done with ease.

Open **Settings**, go to **System** > **Language & input** > **Language**, and select the language you want to use. If the language you want is not listed, touch **Add language**, search and add the language, and then select it.

In **Add language** > **Added**, the displayed language (region) does not indicate an association between the language and region or have any political implications. The system interface is displayed according to the cultural habit of the selected region. For example, if you add English (Vietnam), the calendar will take Monday as the first day of each week according to Vietnamese habits rather than Sunday as the first day of each week according to British or American cultures.

Set Your System Time and Date

If you travel abroad or change your SIM card, your Phone will automatically display the time and date provided by the local mobile network. You can also adjust the time and date manually, modify the time format, or set dual clocks on your lock screen.

Open **Settings** and go to **System** > **Date & time**. From here you can:

- **Modify the time and date**: Enable **Set automatically** to sync your Phone's time and date with your mobile network. Disable **Set automatically** to set your time and date manually.
- **Modify your time zone**: Enable **Set automatically**, to sync your Phone's time zone with your mobile network. Disable **Set automatically** to set your time zone manually.
- **Change the time format**: Enable **24-hour time** to set your time format to 24 hours. Disable **24-hour time** to set your time format to 12 hours.

● **Set dual clocks on your lock screen**: If you are overseas, your Phone will automatically display the local time and date provided by the local mobile network. You can enable **Dual clocks** and set **Home city** to display dual clocks on your lock screen: one displaying the local time and the other the time in your home country.

Time and date in your selected city — New York ⌂ 20:08 Sun, 27 May | Yanta District ◉ 08:08 Mon, 28 May — Network-provided date and time
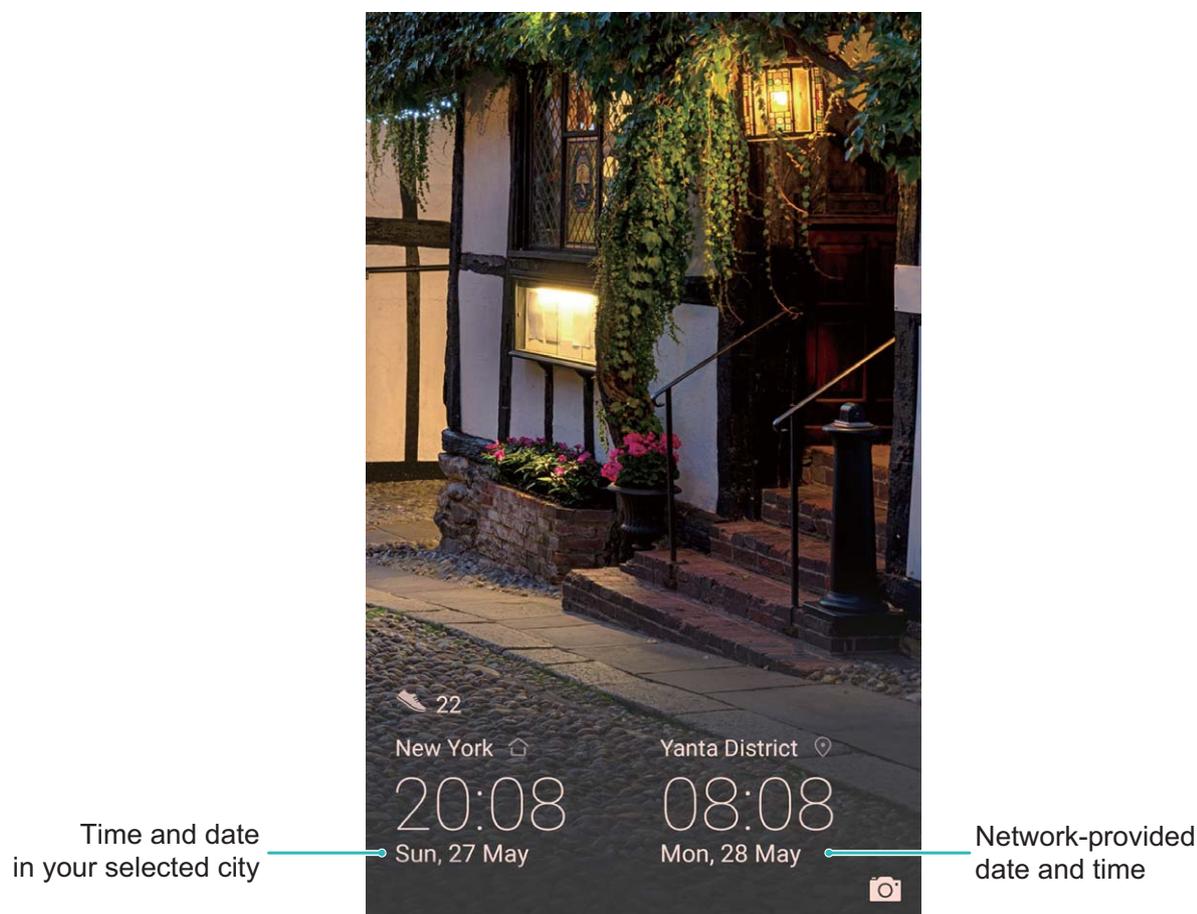
Print Documents and Photos from Your Phone

Connect your Phone to a printer over Wi-Fi to print out documents and photos with ease.

ⓘ ● Mopria allows you to print directly from your Phone to a Mopria-certified printer. The printer connects to your Phone over Wi-Fi.

● If your printer is not Mopria-certified, contact the printer manufacturer to obtain a plug-in for your model.

1 Connect your Phone and printer to the same Wi-Fi network.

● **Connect to your printer's hotspot**: If your printer has a wireless hotspot, follow the instructions in the printer manual to enable the hotspot and set a password. On your Phone, open 🔧 **Settings** and go to **Wireless & networks** > **Wi-Fi**. Enable **Wi-Fi**, select the printer hotspot, and then follow the onscreen instructions to establish the connection.

● **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, open 🔧 **Settings**, and go to **Wireless**

& networks > **Wi-Fi**. Enable **Wi-Fi**, touch ⋮ > **Wi-Fi Direct**, and then select your printer from the list of detected devices.

- **Connect to your router**: On your printer, enable Wi-Fi and connect to your home router. On your Phone, open 🧭 **Settings** and go to **Wireless & networks** > **Wi-Fi**. Enable **Wi-Fi**, select your router, and then follow the onscreen instructions to complete the settings.

2 Open 🧭 **Settings**, go to **Device connectivity** > **Printing** > **default print service**, and check that **default print service** is enabled. Select a printer from the search results and follow the onscreen instructions to manually add the printer.

3 You can now print directly from your Phone:

- **Print an image**: Go to **Gallery**. Open the image that you want to print, go to **More** > **Print or export to PDF**, and then follow the onscreen instructions to send the image to the printer.
- **Print a webpage**: In your browser, open the webpage that you want to print, and then select the print option from the menu.
- **Print a document**: Open the document that you want to print in a productivity app and select the print option from the menu.
- **Print a note**: Open 📘 **Notepad**. Open the note that you want to print, touch **Print**, and then follow the onscreen instructions to send the note to the printer.

View Memory and Storage Status

Unsure of how much memory and storage you have left after using your Phone for a long time? You can view your Phone's memory and storage information to help you monitor your memory and storage use and decide whether to perform a cleanup.

ⓘ Not all devices support memory cards.

Open 🧭 **Settings**, and touch **Storage** to view the memory usage, and free up more space in a timely manner based on the available storage space.

Clean up space: Select **CLEAN UP**, you can view the usage details of apps. Based on the scan result, you can also manually clean up the system as recommended or specify items to clean up.

Legal Notice

Laser safety information

- Laser class: CLASS 1. Compliance with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice. 50, dated June 24, 2007
- Wavelength: 940 nm
- Laser standard (International): IEC/EN 60825-1:2014
- Laser standard (US): FDA 21 CFR Part 1040.10

Legal Notice

Notice

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and therefore may not be activated or may be limited by local network operators or network service providers.

Thus, the descriptions herein may not exactly match the product or its accessories which you purchase.

Huawei reserves the right to change or modify any information or specifications contained in this manual without prior notice and without any liability.

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Huawei shall not be responsible for the legality, quality, or any other aspects of any software installed on this product, or for any uploaded or downloaded third-party works in any form, including but not limited to texts, images, videos, or software etc. Customers shall bear the risk for any and all effects, including incompatibility between the software and this product, which result from installing software or uploading or downloading the third-party works.

This product is based on the open-source Android™ platform. Huawei has made necessary changes to the platform. Therefore, this product may not support all the functions that are supported by the standard Android platform or may be incompatible with third-party software. Huawei does not provide any warranty or representation in connect with any such compatibility and expressly excludes all liability in connection with such matters.

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Import and Export Regulations

Customers shall comply with all applicable export or import laws and regulations and be responsible to obtain all necessary governmental permits and licenses in order to export, re-export or import the product mentioned in this manual including the software and technical data therein.

Personal Information and Data Security

The use of some functions or third-party applications on your device could result in your personal information and data being lost or becoming accessible to others. Use the following measures to help you protect your personal information:

- Put your device in a safe place to prevent unauthorized use.
- Set your device screen to lock and set a password or unlock pattern.
- Periodically back up personal information stored on your SIM card, memory card, or your device memory. If you change to a different device, be sure to move or delete any personal information on your old device.
- Do not open messages or emails from strangers to prevent your device from becoming infected with a virus.
- When using your device to browse the Internet, do not visit websites that might pose a security risk to avoid your personal information from being stolen.
- If you use services such as the portable Wi-Fi hotspot or Bluetooth, set passwords for these services to prevent unauthorized access. Turn these services off when they are not in use.
- Install device security software and regularly scan for viruses.
- Be sure to obtain third-party applications from a legitimate source. Downloaded third-party applications should be scanned for viruses.
- Install security software or patches released by Huawei or authorized third-party application providers.
- Using unauthorized third-party software to update your device may damage your device or put your personal information at risk. It is recommended that you update through your device's online update feature or download official update packages for your device model from Huawei.
- Some applications require and transmit location information. As a result, a third-party may be able to share your location information.
- Some third-party application providers may collect detection and diagnostic information on your device to improve their products and services.

More Information

Read the Quick Start Guide included with your phone.

Touch **Settings** > **System** > **About phone** > **Legal** to read the legal information.

Visit http://consumer.huawei.com/en/ for more information.

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.

Note: Remember the Google account your phone last logged in to.
During an untrusted factory settings restoration, Google's anti-theft mechanism requires you to enter the Google account your phone last logged in to on the startup navigation screen for identity authentication. Your phone can properly power on only after the identity authentication passes.

Please visit http://consumer.huawei.com/en/support/hotline for recent updated hotline and email address in your country or region.

Model: PCT-L29
       PCT-AL10

Qualcomm®
aptX™

Magic UI 2.0.1_01