

# HUAWEI Mate20 lite

## User Guide



HUAWEI

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# Exciting Features

## Featured Usage Tips

### 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.

## 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.

There are two shooting modes for the **3D panorama** function:

- **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.

- i** 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 colour.

- 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 centre 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 > More**. 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.

## Manage Your Phone

### 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.

### Enable App Lock

App lock allows you to set a password for your WeChat, Alipay, and other 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 unauthorised 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.

## Set Your Home Screen Wallpaper

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

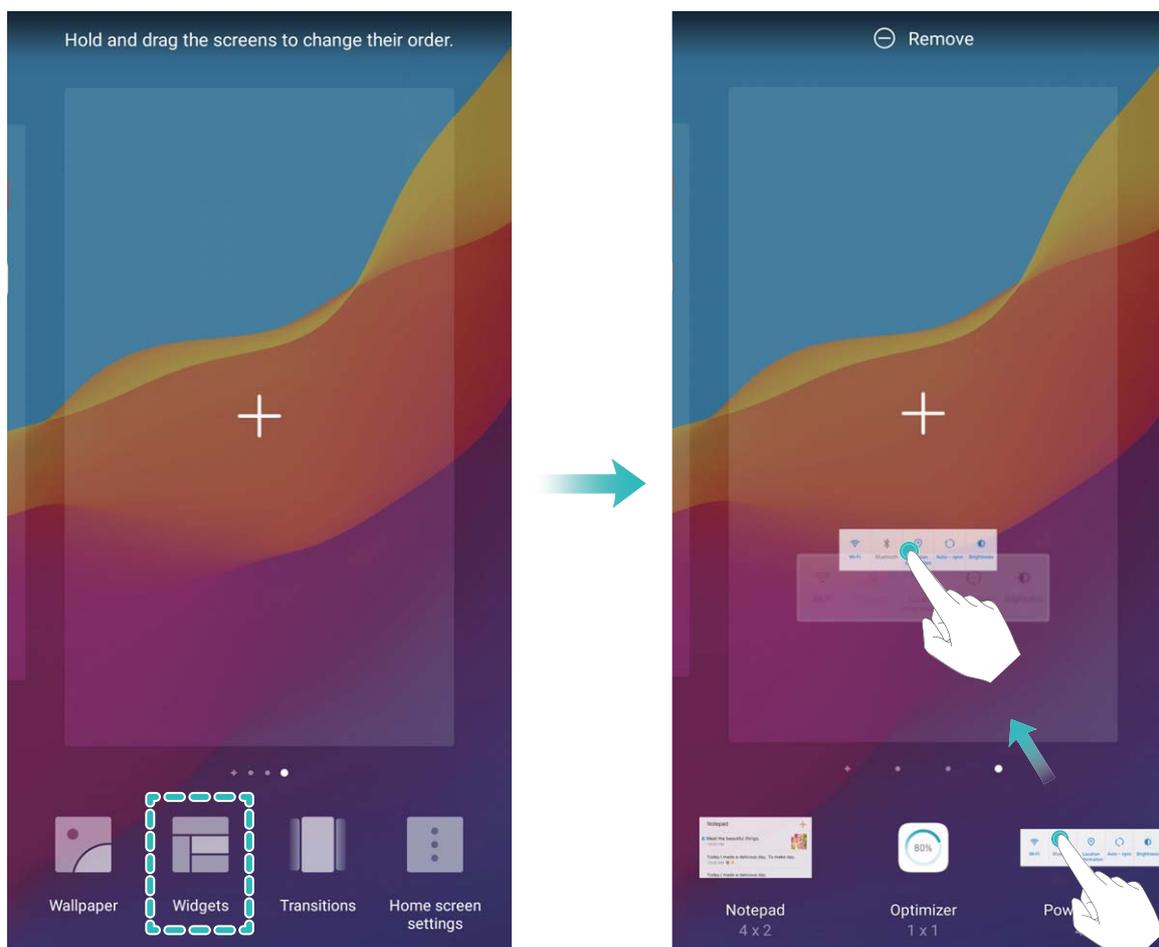
**Set a photo as your wallpaper from Gallery:** Have a great photo you want to set as your

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 manage widgets on your home screen? You can add, move or delete home screen widgets to tidy up your home screen and make it easier to use.

**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 Storage cleaner

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**, and clean up memory and cache based on the scan results to speed up your device's performance. If your storage space is still low, you can perform a deep clean to free up more storage space based on the scan results and cleanup recommendations.

# New Device

## New Device Configuration

### Enrol a Fingerprint

You can enrol 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 recognised.
- Before enrolling a fingerprint, make sure your finger is clean and dry.

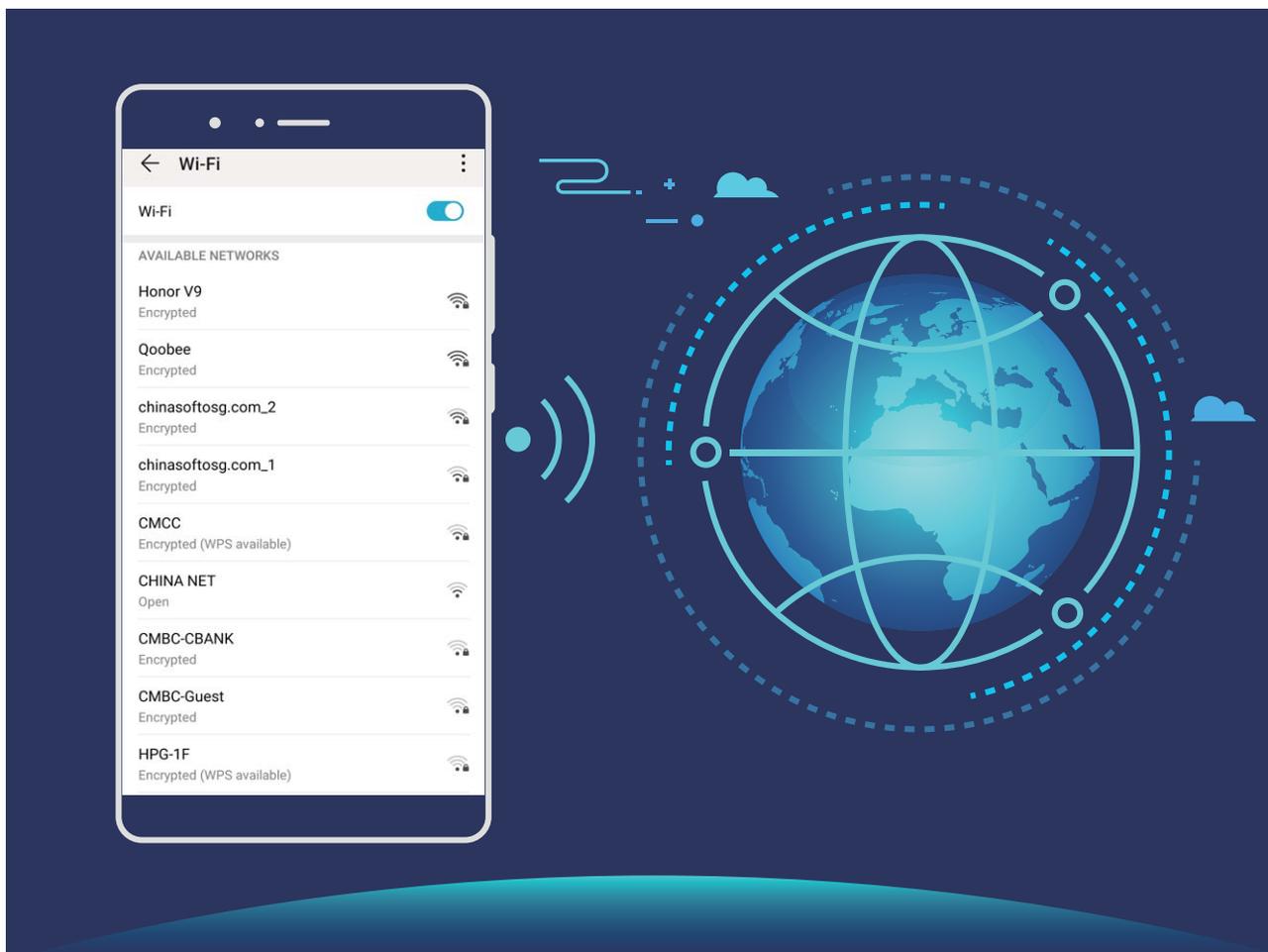
- 1 Open  **Settings**.
- 2 Go to **Security & privacy > Fingerprint ID > Fingerprint management > Change unlock method**, select **Pattern, 4-digit PIN, Custom PIN** or **Password**, and then follow the onscreen instructions to set an unlock password.
- 3 Once you have set an unlock password, touch **New fingerprint** to enrol 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 enrolment 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 unauthorised 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.

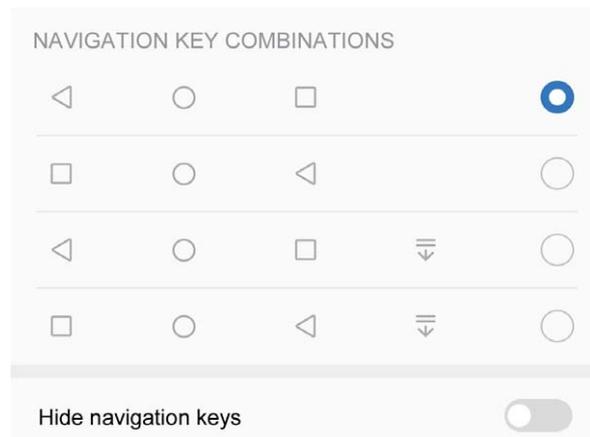
# Home Screen

## 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, go to  **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.

## Notification Panel and Status Bar

### 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**, and go to **Notifications**. You can:

- **Prevent all apps from pushing notifications:** Touch **Batch management**, and then turn off **All**.

### Customise Notifications

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

Open  **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**.

## 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 unauthorised 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.
- **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 **Enrol** in the dialog box that pops up and follow the onscreen prompts to enrol your fingerprints.
- **For security reasons, please do not disable the lock screen password:** A lock screen password prevents unauthorised 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.

## 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.

**i** 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.

**i** 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 customise 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  $\times$  to delete the page.

**i** 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 personalise 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 manage widgets on your home screen? You can add, move or delete home screen widgets to tidy up your home screen and make it easier to use.

**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.



- i 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**.

- i **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.

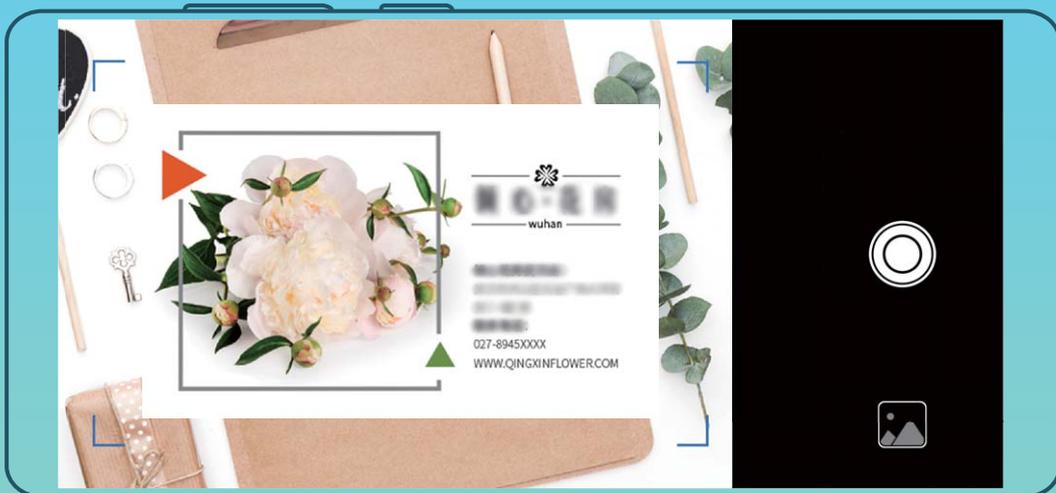
# Contacts

## Managing Business Cards

### Scan Business Cards to Add Them to Contacts

Open  **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 .



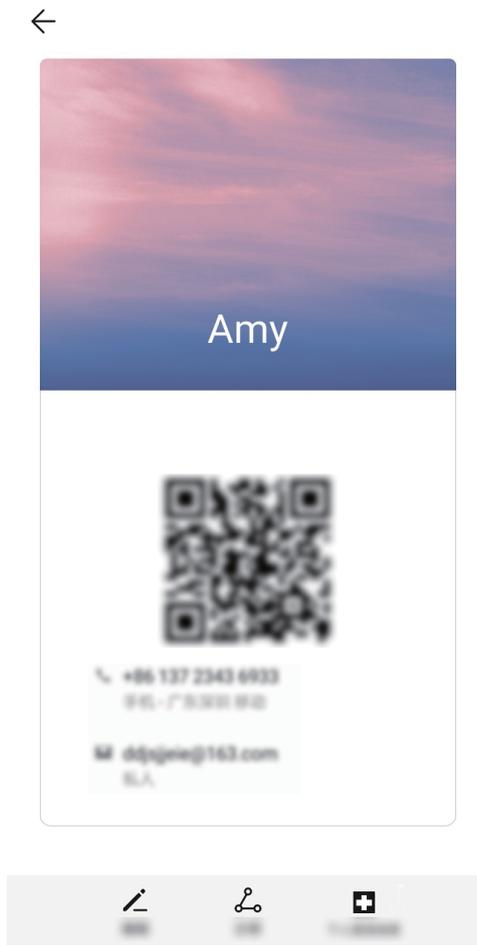
- **Scan multiple business cards:** Switch to **Multiple** mode and follow the onscreen instructions to capture multiple business cards.

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  **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.

## 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 an 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**.

# Dialling

## Basic Calling Functions

### 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**, or touch **Emergency** on the lock screen, enter the local emergency number on the dialler, and then touch . 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.

-  Some carriers may not support this feature.

Open  **Dialer**, go to  > **Settings** > **More**, and enable **Call waiting**. When receiving another call, touch  to answer the call and place your first call on hold. Touch  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.

-  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.

### Activate International Roaming for Borderless Communication

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

- 1 Contact your network provider to activate the international call or roaming service.
- 2 Open  **Dialer** or  **Contacts**, and make a call.

## 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.
-  Some carriers may not support this feature.

# Message

## 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.

# Camera

## Basic Camera Functions

### Adjust Camera Settings

On the Camera setting screen, you can adjust a variety of camera settings, modes, and specifications to suit your needs.

**Capture smiles automatically:** From **Settings**, enable **Capture smiles**. The camera will now take a picture automatically when it detects a smile in the viewfinder.

**Mute photography:** From the **Settings** screen, enable **Mute**.

### 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 centre of the spiral.



## Use Wide Aperture Mode to Highlight Your Shooting Subjects

Wide aperture mode produces photographs with a shallow depth of field. This creates a blurred background that lends greater emphasis to the photo's subject.

**Take a wide aperture photo:** Go to  **Camera > Aperture**. When shooting, touch the screen to select a focal point, and then touch  to take the photo.

- For optimal results, ensure that the subject is positioned no more than 2 m away from the camera.
- Touch  and swipe left or right on the slider to adjust the aperture level. The smaller the aperture value, the more blurred the background will appear.

## 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.

**i** 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 colour.

**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 centre 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.

There are two shooting modes for the **3D panorama** function:

- **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.

## Light Painting Mode

### 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 colour, 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

### 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** > **More**. 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**, 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

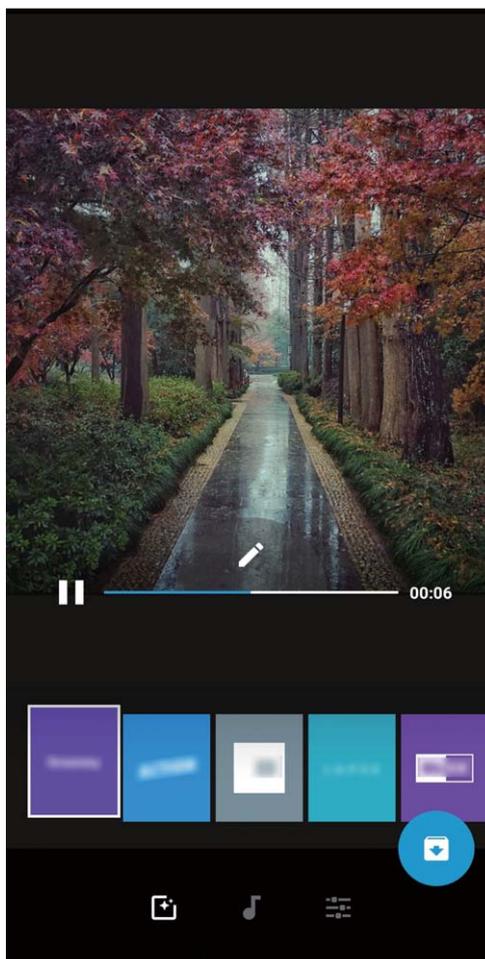
## Customise Highlights Albums

Want to change the photos and videos in a Highlights album, the background music, or the video template of a Highlights video? You can edit a Highlights album by customising photos and videos in the album and personalising the generated video with the background music or template you like.

-  The Highlights album is generated based on the time and location of photos and videos. Your Phone will generate a video based on the time and location of photos. Before taking a photo, open **Camera**, touch , and then enable **GPS tag**.
- Ensure that your Phone is connected to the Internet.
- When your Phone is charging in sleep mode and has more than 50% battery, it will automatically sort out photos or videos and create a Highlights album. It may take a while for your device to finish the analysis. Your device will not automatically create a Highlights album if there are insufficient photos or videos (fewer than 7 photos) in your Gallery.

Open  **Gallery**. From the **Highlights** tab, touch the Highlights album you want to view or edit. Afterwards, you can also perform the following:

- **Play or edit Highlights:** Touch  and you can edit the video's template or background music using the options bar at the bottom of the screen during playback.



- **Add or delete photos and videos in the album:** To add a photo or video, touch  and select the photo or video you want to add, then touch  to add the selected item into the album. To delete a photo or video, press and hold any photo or video in the album, then touch , and touch **Move** to delete the item from the album.

 Only videos in MP4 format can be added to the album.

- **Share photos and videos in the album:** Press and hold any photo or video in the album, then touch  to select a sharing mode and follow the onscreen instructions to complete the sharing process.
- **Rename a Highlights album:** Touch  and enter a new name.
- **Delete a Highlights album:** Touch , and then touch **Delete**.

## Organise 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.

**Favourite photos and videos:** Want to store your favourite photos and videos separately? You can Favourite your special photos and videos for easy viewing. Open the photo or video you want to Favourite, then touch  to store it in the **My favorites** album. The items you Favourite 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

# Email

## Manage Email Accounts

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

Open  **Email**. You can:

- **Check emails:** On the **Inbox** screen, touch , 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 .
- **Sync emails:** Swipe down on the **Inbox** screen to refresh the emails list. Go to  > **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  > **Settings** > **Add account**, select your email service provider, and enter your information.
- **Switch between email accounts:** On the accounts screen, touch , and then touch an account name to switch to.
- **Configure email accounts:** On the account screen, go to  > **Settings**, select an account to set **Account name**, **Default account**, and **Remove account**.

## 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

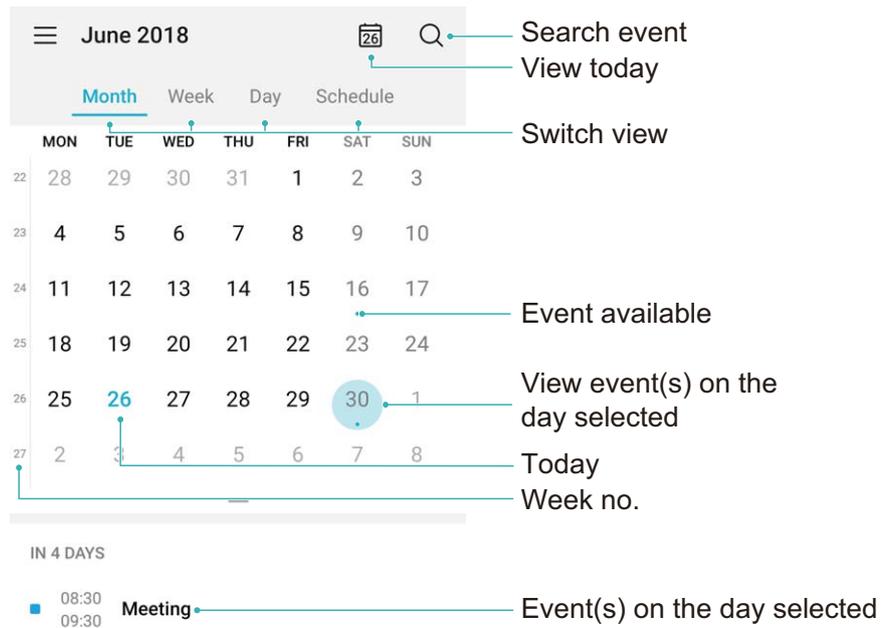
Unable to reply to emails on vacation? Enable auto responses to automatically reply to emails.

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

## Navigate the Calendar

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



**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** page, touch  and enter the event keywords, such as title or location.

**Configure Calendar:** On the **Calendar** page, go to  > **Settings** to customize calendar display and reminders.

**Check the exact location of the destination:** Open  **Calendar**. In a view or schedule, touch the event where the destination has been set to view the exact location information about the event.

**Query weather:** Open  **Calendar**, and touch an event in a view or schedule to view the weather of the day in the event.

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

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

## Huawei Share

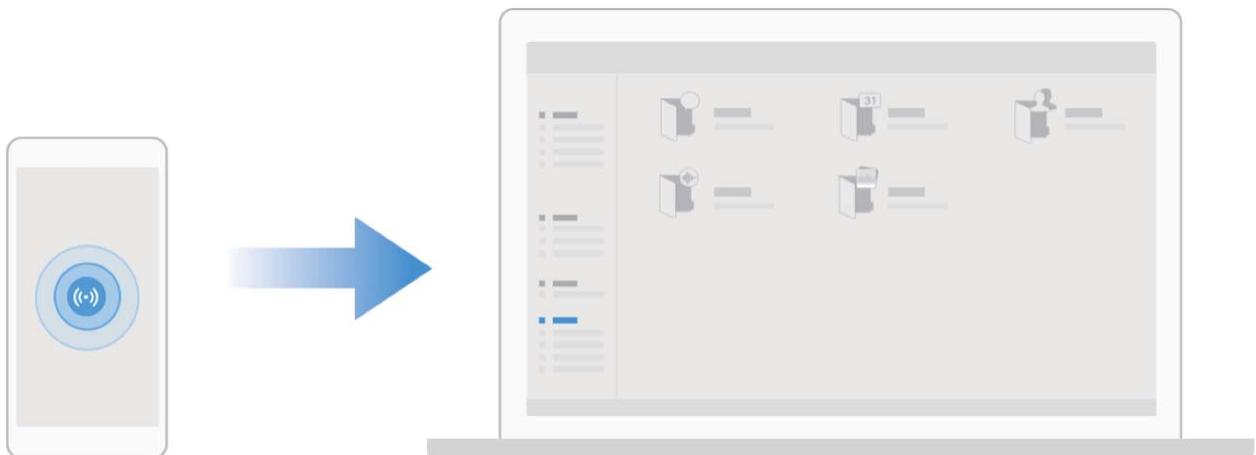
### Huawei Share: A Better Way to Share Files

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 photos, and files you want to share, then select Huawei Share from the sharing option to enjoy a simple and easy sharing process that doesn't consume your mobile data.
- Between your Phone and computers (PC or Mac): You can use Huawei Share to share photos, and files on your Phone with your computer, and you can also edit the photos on your Phone using a computer. Thanks to Huawei Share, you don't even need a USB cable for data transfer between your Phone and computer.

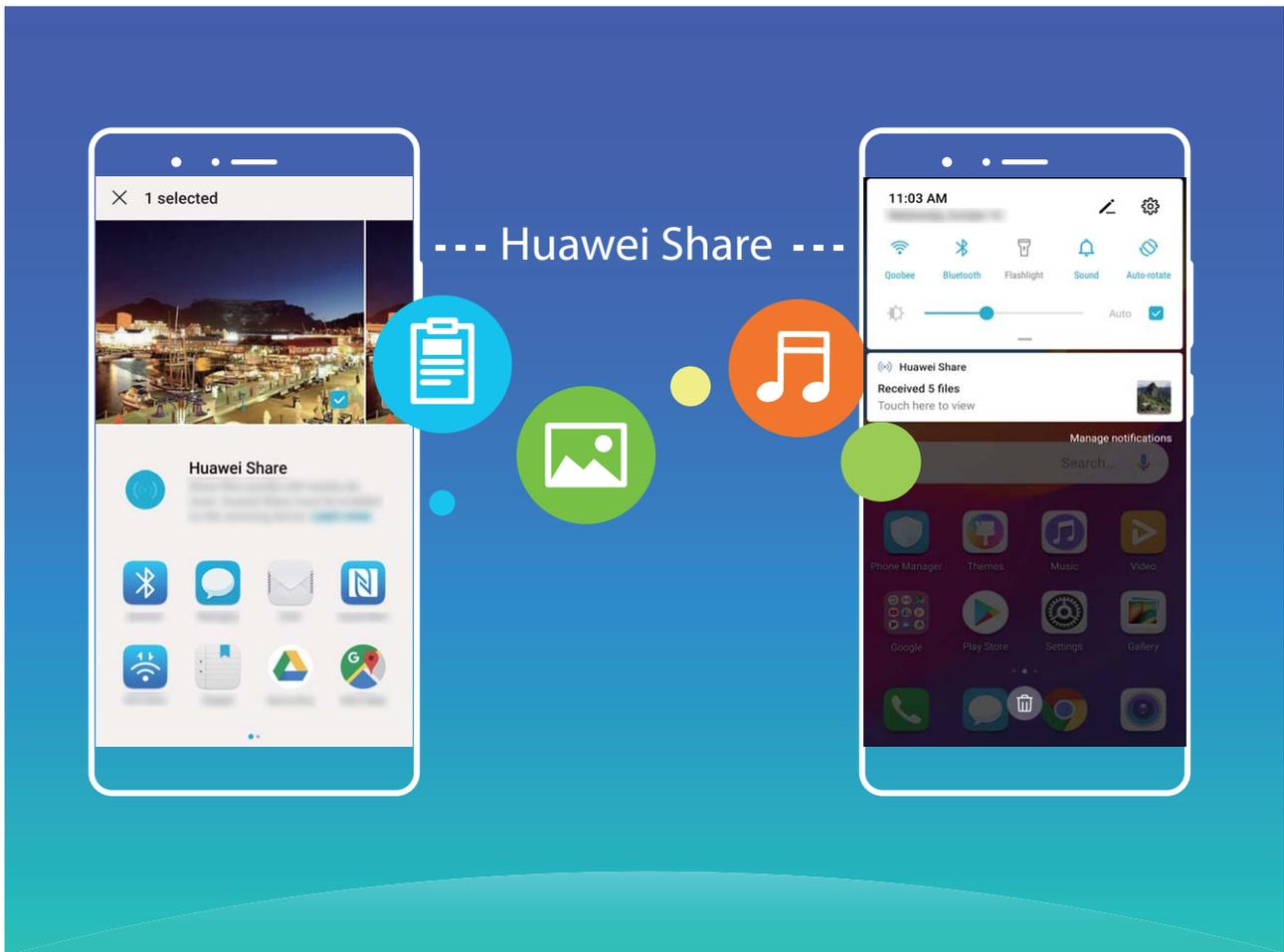
**i** However, both your Phone and computer must be connected to the same network (for example, to the same Wi-Fi network).



## 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.

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



**Use Huawei Share to send files:** Select the files you want to share and then touch **Share**. To send files, select the 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 **Files's Huawei Share** folder.

- i** 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 username and password. You can then view the password under **Device connectivity** > **Huawei Share** > **Verification on computers**.
- 4** View your albums or internal storage.

### Use Huawei Share to Perform One-Touch Printing

How do I quickly print travel photos, work files, and children's homework on my Phone? Huawei Share brings you the ease of one-touch printing. The nearby printers that support HUAWEI Discover Protocol (HDP) can be easily identified by your Phone to provide the convenient one-touch printing service.

The one-touch printing feature of Huawei Share is convenient and easy to use. You only need to select the file you want to print, and then touch **Share**. The nearby printers that support HUAWEI Discover Protocol (HDP) can be easily identified by your Phone. Touch the name of the printer, then adjust the parameters in the preview interface, touch **PRINT**.

-  • Huawei Share now supports one-touch printing of images and PDF files.
- Huawei Share now supports one-touch printing on all the Mopria-certified printers. Keep a look out for latest updates regarding support for additional printer models.

# Security and Privacy

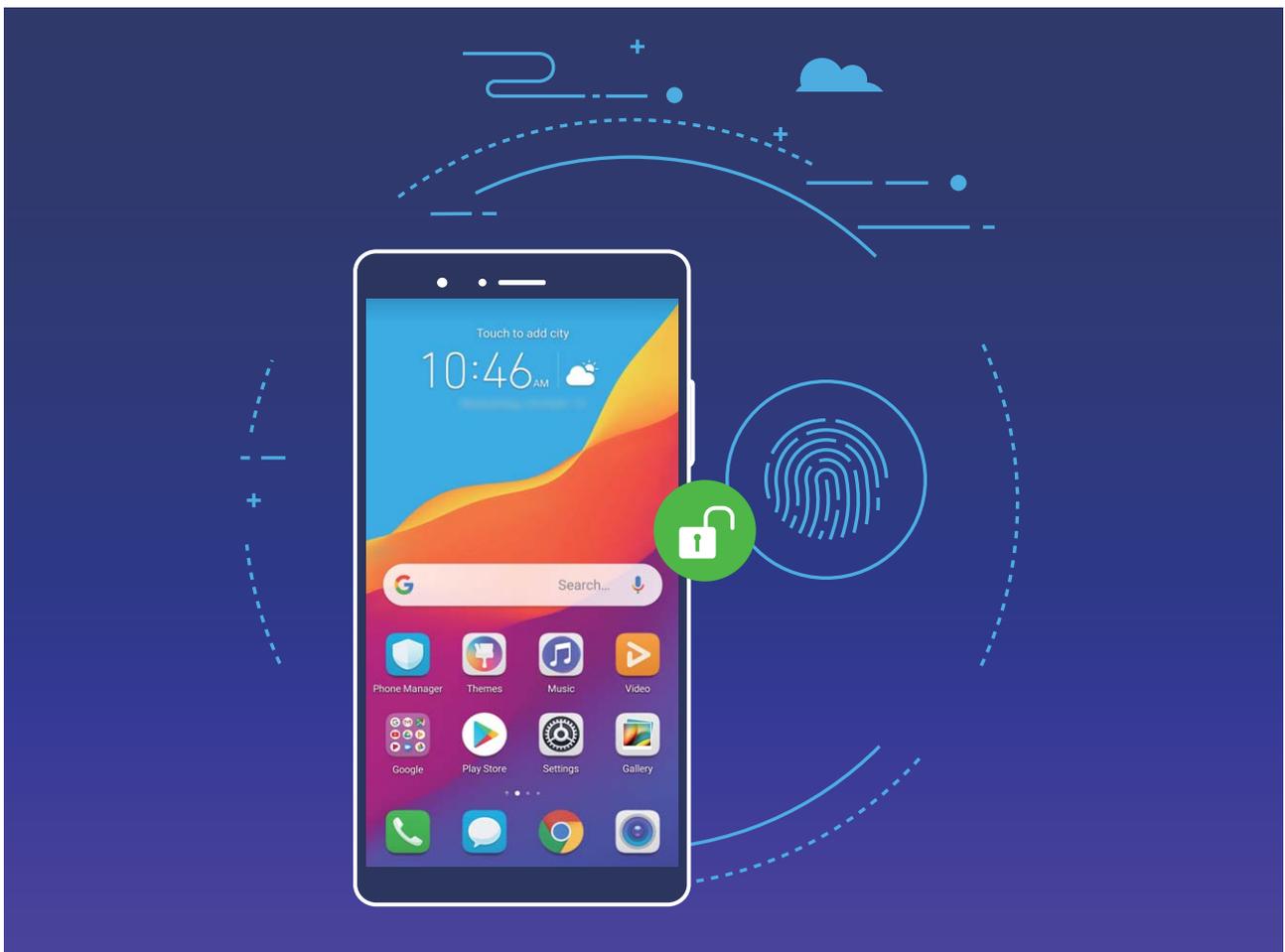
## Fingerprint

### Fingerprint Recognition: Enjoy Faster Navigation and Enhanced Security

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.



### 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**, 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.

## Enrol a Fingerprint

You can enrol 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 recognised.
- 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 enrol 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 enrolment is complete, touch **OK**.

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

## Add or Modify a Fingerprint

You can enrol 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:
  - **Enrol a new fingerprint:** Touch **New fingerprint** to enrol a new fingerprint.

- **Rename or delete a fingerprint:** Touch a previously enrolled fingerprint to rename or delete it.
- **Identify a fingerprint:** Touch **Identify fingerprint** 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 (such as Find my Phone), 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.

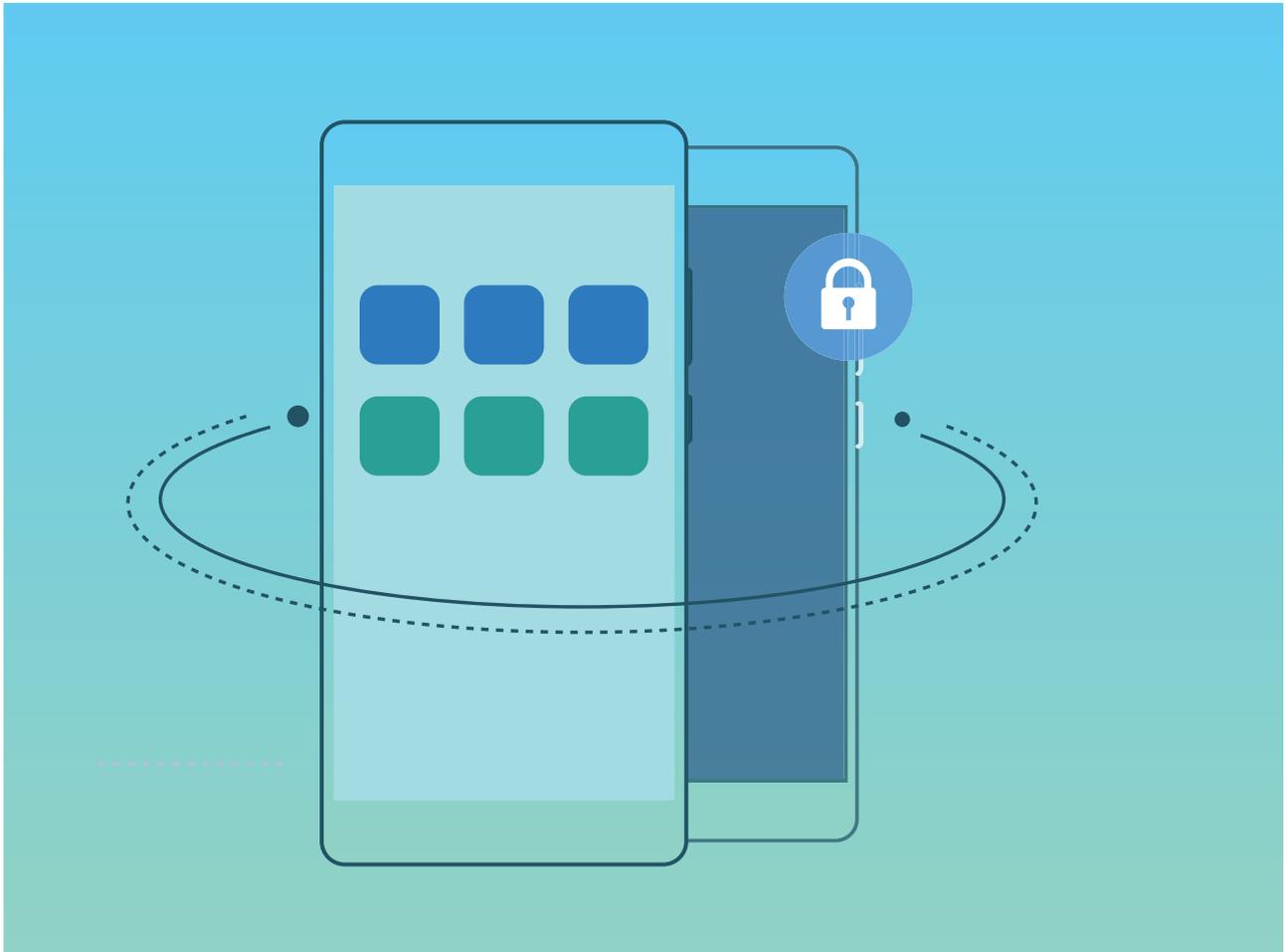
-  Features may vary depending on your carrier.
  - Huawei only uses location data to provide you with necessary functions and services, not for the purpose of identifying and collecting your private information.

**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 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 secret.
- **Quickly switch between MainSpace and PrivateSpace:** From the lock screen, you can quickly switch between spaces using different fingerprints or passwords. Wi-Fi networks and Bluetooth devices will remain connected when you switch between MainSpace and PrivateSpace.
- **Send files between the MainSpace and PrivateSpace:** You can conveniently send files such as photos and videos between the MainSpace and PrivateSpace.
- **Reset your PrivateSpace password:** If you forget your PrivateSpace password, you can reset it by entering your MainSpace password and answering your security question.
- **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.

## 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 Your PrivateSpace Data to Your New Device

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

-  • 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**. 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**. 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.

-  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**, 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 WeChat, Alipay, and other 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 unauthorised 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.

## Password Vault

### Introduction to 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 after logging out, 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, helping you to log in to the app securely and conveniently.
  - **Login to device apps after device replacement:** After you replace your device with a new one, assume that you have saved your usernames and passwords for logging in to various apps on the old device to Password vault. After phone cloning is complete, you can use the facial image, fingerprint, or lock screen password to automatically fill in the password, helping you 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.

# Backup and Restoration

## 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.

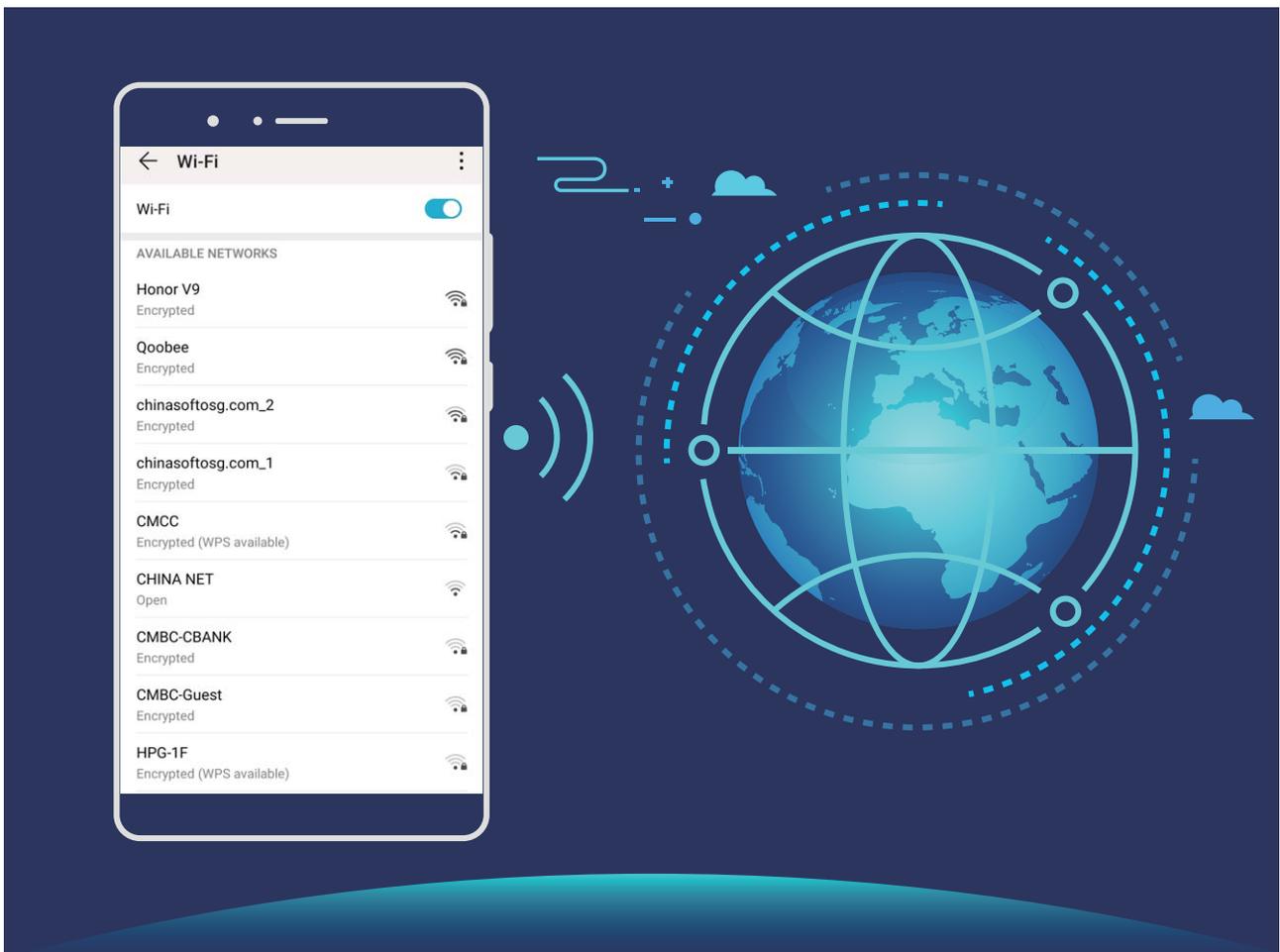
# Wi-Fi and Network

## Wi-Fi

### Connect to Wi-Fi

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

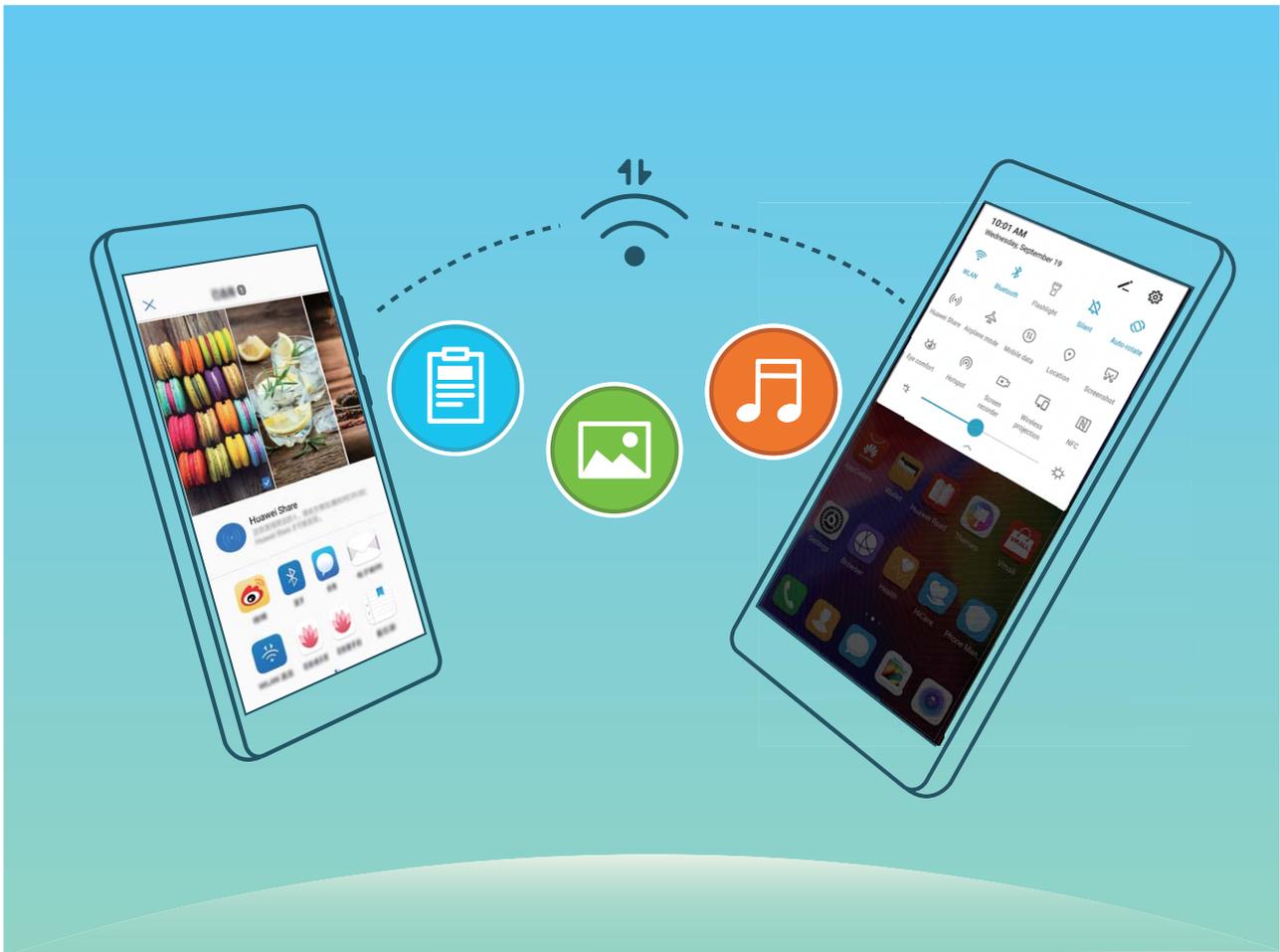
-  To avoid potential security risks (such as unauthorised access to your personal data and financial information), please exercise caution when connecting to a public Wi-Fi network.



**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.

## 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.

# 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 only works with WeChat, QQ, LINE, Facebook, Snapchat, WhatsApp, and Messenger. Download the latest versions of these apps before using this feature.

Open  **Settings**. Go to **Apps > App twin** and enable App twin for WeChat, QQ, LINE, Facebook, Snapchat, WhatsApp, or Messenger as required.

When App twin is enabled, two WeChat, QQ, LINE, Facebook, Snapchat, WhatsApp, or Messenger app icons are displayed 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** 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.
-  • 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  to display the sound settings screen. You can then adjust the volume of the ringtone, media, and alarm.

 You can also adjust volume in your system settings. Open  **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  to switch quickly between **Sound**, **Silent** and **Vibration** mode.

**Enable keypad and notification tones:** Open  **Settings** and go to **Sounds > More sound settings** to enable or disable keypad and notification tones.

**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.

**Customise your ringtone and notification tone:** From the **Sounds** screen, select a custom ringtone or use the **Notification**.

## Use Shortcuts to Access Frequently Used Features

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 a shortcut is not 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.

**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 camera.

# Storage

## Enable Storage cleaner

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**, and clean up memory and cache based on the scan results to speed up your device's performance. If your storage space is still low, you can perform a deep clean to free up more storage space based on the scan results and cleanup recommendations.

# 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**, 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** 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 Colour Correction

The colour correction setting enables your device to compensate for the effects of colour blindness.

-  When colour correction is enabled, users with normal colour vision may have difficulty viewing some colours.

Open  **Settings**, go to **Smart assistance > Accessibility > Colour correction** and enable **Colour correction**. Touch **Correction mode** to select the required colour correction mode.

## General Settings

### Change Your System Language

Want to change your Phone's system language? This can be done with ease.

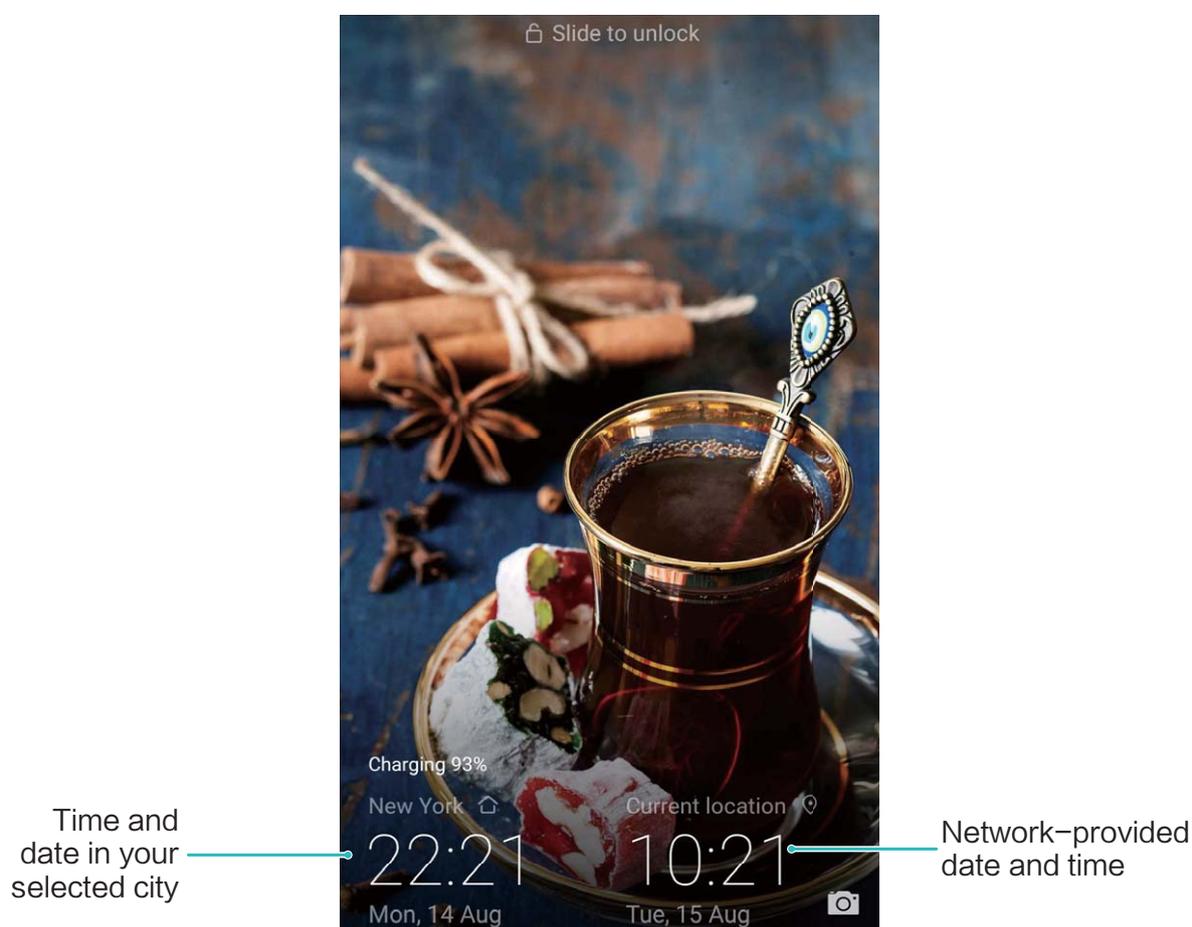
Open  **Settings**, go to **System > Language & input > Language** and select your system language. If you cannot find your language from the language list, touch **Add language** to add your language.

## 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.



## 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, follow the onscreen instructions to manually add a 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, go to **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 microSD 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 (recommended):** If you 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.

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## 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 unauthorised 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 unauthorised 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 authorised third-party application providers.
- Using unauthorised 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.

## Obtaining help

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.

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Note: Remember the Google account your phone last logged in to. During an untrusted factory settings restoration or microSD card-based update, 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.

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