

HUAWEI P smart Z

User Guide



HUAWEI

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Exciting Features

Featured Usage Tips

Access Device Functions from Anywhere with Navigation Dock

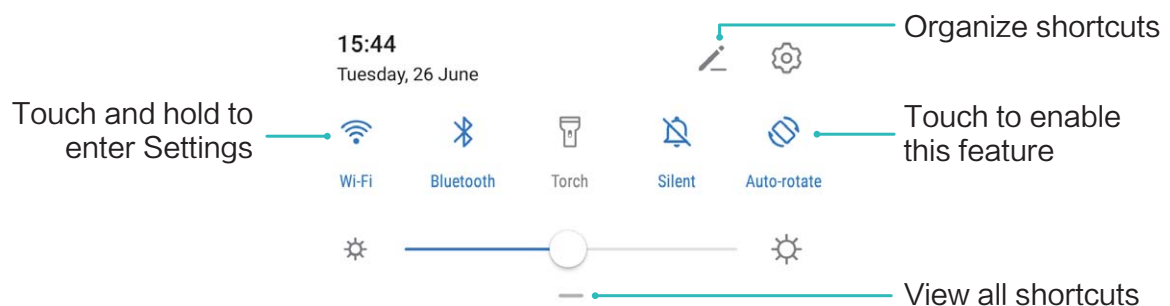
In order to close an app or return to the home screen, you must use the navigation bar at the bottom of your device. You can enable the Navigation dock feature on your device to avoid using navigation buttons and to comfortably operate your device with one hand.

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.



Camera Tips

AI camera disabled., Intelligent Photo Scene Identification

AI camera disabled. can automatically identify your current photography scene and intelligently adjust the colour and brightness of the photo, so you don't need to repeatedly adjust your camera for the perfect shot.

AI camera disabled. is a preset camera feature on your device that intelligently identifies your current photography scene and automatically adjusts the colour and brightness of your photo to help you achieve better effects.

AI camera disabled. provides you with the following features:

- **Intelligently identifies photographing scenes and improves photo effects: AI camera disabled.** supports multiple scenes, such as the stage, beach, blue sky, greenery, and text scenes. After smart identification, **AI camera disabled.** automatically adjusts the colour and brightness of the camera and recommends an optimal mode (such as the portrait, greenery, or text mode) to improve photo effects.
- **Enables automatically with various preset camera settings ready:** When you turn on your camera and enter Standard camera mode, **AI camera disabled.** will be enabled automatically with camera settings readily configured according to the photography scene, which saves you the trouble of repeated manual adjustments.
- **AI camera disabled.** is only available when you take photos using the rear camera.
 - **Master AI** is automatically disabled when you switch to Portrait mode, Wide aperture mode, or Moving picture mode.

Use Portrait Mode to Take Stunning Portraits

Make your selfies and group shots even more beautiful. Portrait mode provides you with options to make every photo beautiful and memorable.

Go to  **Camera > Portrait**, select one of the effects, then touch  to take a portrait.

- **Blurred effect:** Touch the  icon in the viewfinder and select a blurred effect.
 - A light source (such as neon light or street light) in a relatively well-lit background will contribute to a better blurred effect.
- **Stage lighting:** Touch the  icon in the viewfinder and select a stage lighting effect.
 - Taking a photo from afar will reduce the stage lighting 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 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 Pro Mode to Take Scenic Photos

Want to make your scenic photos more vibrant and interesting? Use Pro mode to take unique and personalised scenic photos.

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

Select a metering mode based on the shooting subject: Touch , and select a metering mode.

Metering Mode	Application Scenario
Matrix	Broad landscapes and seas
Centre	The subject is in the centre of the picture, and stands out from the background.
Spot	The subject to be highlighted in the picture is relatively small, such as a flower or a tree.

Adjust brightness based on the shooting environment:

- **Adjust ISO:** Touch ISO , and drag the ISO slider to adjust its value.
 -  To avoid excessive noise, the recommended ISO is below 400. The recommended ISO for the daytime is between 100 and 200 and around 400 for night scenes.
 - **Adjust the shutter speed:** Touch S (shutter speed), and drag the shutter speed slider to your desired speed.
 -  The recommended shutter speed for static scenes (such as mountains) is between 1/80 and 1/125, and faster for moving subjects (such as waves). For best results, use a tripod when shooting a moving subject.
 - **Adjust exposure compensation:** Touch EV , and drag the EV slider to your desired value.
- Adjust AWB:** Touch AWB , and drag the AWB slider to your desired value.

- When shooting under sunlight, you can select . In a weak light environment, you can select .
- Touch  to adjust the colour temperature. If you want to give your photo a cosy, nostalgic tone, increase the K value. For a cold, calm or futuristic tone, lower the K value.

Adjust AF based on the shooting subject: Touch , and drag the AF slider to your desired value.

Focusing Mode	Application Scenario
AF-S mode	Static scenes (such as mountains)
AF-C mode	Moving scenes (such as flowing water and waves)
MF mode	Protruding objects (such as a close-up of a flower)

Hold your device steady when shooting: Touch  and enable **Horizontal level**. After this feature is enabled, two horizontal guiding lines will appear on the viewfinder. When the dotted line overlaps with the solid line, the camera is horizontally aligned.

- Some options in Pro mode may change after you modify settings.
- The aforementioned recommended settings are for reference only. You may adjust them based on the actual usage conditions to achieve your desired effect.

Manage Your Phone

Enable App Lock

App lock allows you to set a password for your important apps. Once you restart your device or unlock the screen, you will be asked to enter your App lock password when opening these apps. App lock adds an extra layer of protection for 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 enable App lock for the first time, set the password and password protection question then enter App lock. 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 your password. If you forget your password, touch **Forgot password**, enter the answer to the password protection question, and reset your password. If you have not set up password protection, the **Forgot password** option is not available.

Modify your App lock password and password protection: Touch  on the App lock screen, 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 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 device vibrates, and then select **Remove**.

Move widgets: Touch and hold a widget on the home screen until your device 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

Your device reads aloud content on the screen that you touch, select, or activate, helping you interact with your device when you can't read content on your screen clearly.

- 1** Open  **Settings** and go to **Smart assistance > Accessibility > TalkBack > ** to enter 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  to enter the TalkBack settings screen, and launch the tutorial.
- 3** Touch  and enable **Explore by touch**. Your device will read aloud content that you touch. You may have enabled TalkBack by accident. To disable TalkBack, press and hold the Power button until your device vibrates, then touch the screen with two fingers for at least three seconds.

Enable Memory Cleanup

Your device may slow down over time as your storage space gets smaller. Use Memory cleanup to free up storage space, improve system performance, and keep your device running smoothly.

Open  **Phone Manager**, then touch **Cleanup** to clean up memory and clear the cache to optimise performance with one touch. If your storage space is still low, 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 network provider to avoid incurring excessive data charges.
- 1 Swipe down from the status bar to open the notification panel.
 - 2 Touch  to enable mobile data.
 -  To save battery power and reduce data usage, disable your mobile data connection when you don't need it.

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.

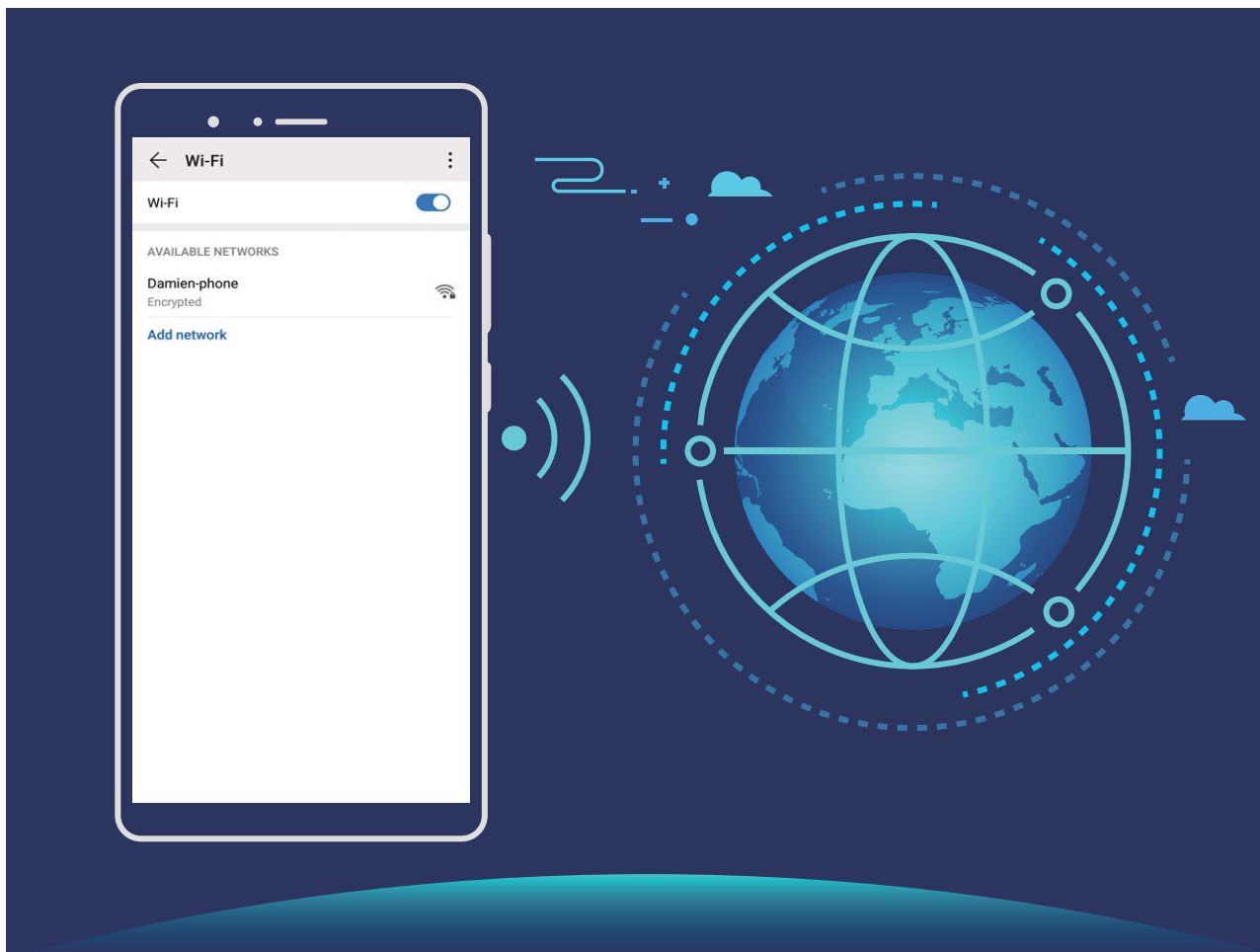
- 1 Open  **Settings**.
- 2 Go to **Security & privacy > Fingerprint ID > Fingerprint management > Change unlock method**, select **Pattern**, **4-digit PIN**, **Custom PIN** or **Password**, and then follow the onscreen instructions to set an unlock password.
- 3 Once you have set an unlock password,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

- i 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.

Gestures and Operations

Smart Recognition

Scan to Translate Effortlessly

HiVision can help you quickly translate foreign text.

-  • This feature requires an Internet connection. Connect to a Wi-Fi network to avoid incurring unnecessary data charges.
 - This translation feature currently supports Chinese, English, Japanese, Korean, French, Russian, Spanish, Italian, German, and Portuguese.
- 1 Once your device is unlocked, swipe down from the centre of the home screen and touch  to open **HiVision**.
 - 2 On the **HiVision** screen, touch , select the source and target languages, frame the text in the viewfinder, and wait for it to be translated.

Scan Products

When you encounter an unknown item, you want to buy but can't find it. After scanning goods, you can get the purchase recommendations of similar items, which is convenient for you to buy favourite things.

-  This feature requires an Internet connection. Connect to a Wi-Fi network to avoid incurring unnecessary data charges.
- 1 Once your device is unlocked, swipe down from the centre of the home screen, and touch  to open **HiVision**.
 - 2 On the **HiVision** screen, touch  to align your device with the item you want to purchase. The system will automatically scan and recommend similar items.

Screenshots and Screen Recording

Take Scrolling Screenshots to Capture Entire Pages

Tired of having to take several screenshots to capture long articles or chat records? You can use your Phone's scrolling screenshot feature to take a screenshot that scrolls all the way down to the bottom of the page, capturing all of the information on the page in a single screenshot.

Use shortcuts to take a scrolling screenshot: Swipe down from the status bar to open the notification panel, then touch  to take a scrolling screenshot. Touch  within two seconds of taking the screenshot, and the screen will automatically scroll down and keep taking the screenshot. During the scrolling process, touch the scrolling area to end the screenshot.

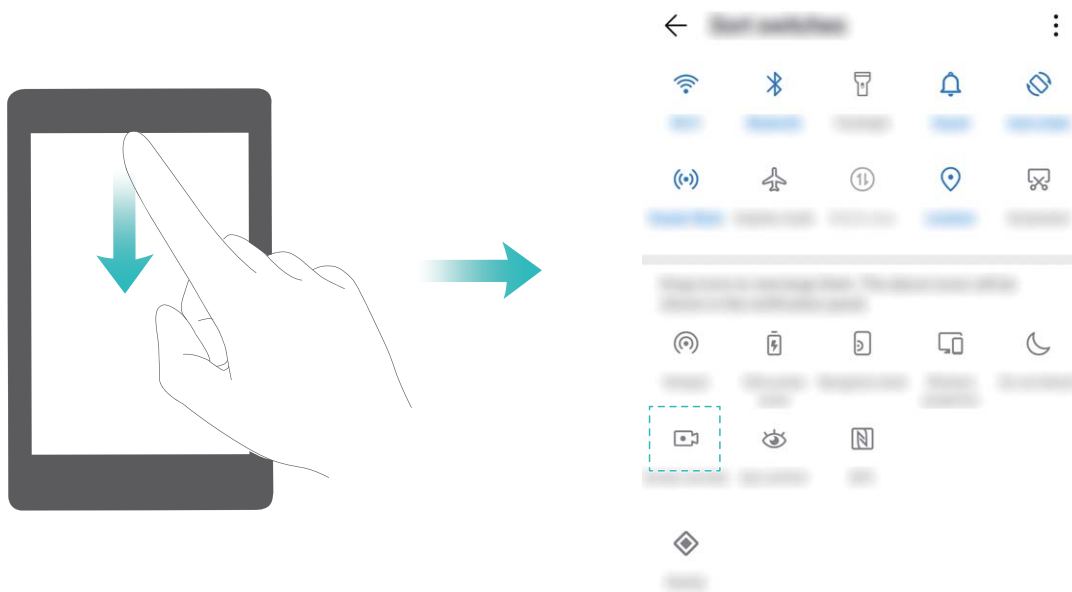
After taking the screenshot, touch  or  to edit or share the screenshot. The screenshot will be saved in **Gallery** by default.

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.



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

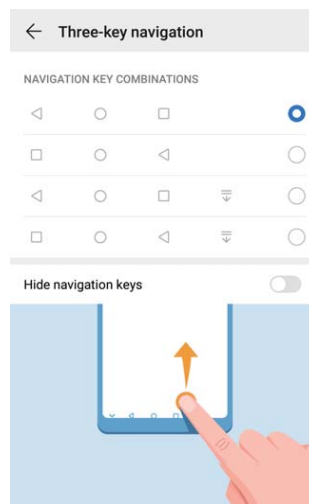
Home Screen

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, open  **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 Google Assistant icon and swipe upwards on the icon to enable Google Assistant.
-  **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.

Navigate with Gestures

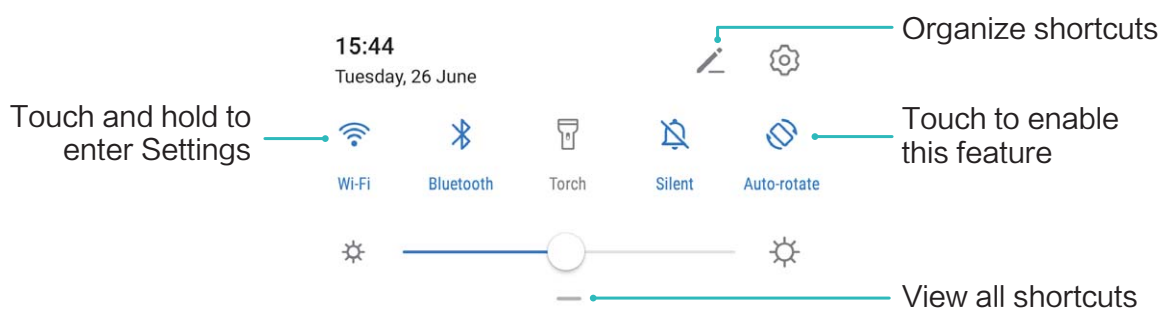
Navigate with gestures to quickly go back to the previous screen, return to the home screen, or view recent tasks.

Open  **Settings**, go to **System > System navigation**, and select **Gestures**. From here you can:

- **Go back to the previous screen:** Swipe inward from one side of the screen.
- **Return to the home screen:** Swipe upwards from the bottom of the screen.
- **View recent tasks:** Swipe upwards from the bottom of the screen and hold. Swipe up on an app's preview to close the app, or touch  to close all apps.
- **Enable Google Assistant:** Touch **Settings**, and enable **Google Assistant**. Swipe upwards from either bottom corner of the screen to enable Google Assistant.

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.



Notification Panel and Status Bar

Notification and Status Icons and Descriptions

The icons on the status bar give you a quick overview of the general status of your device, including its network connection, battery level, and any new messages received when your device is in Silent mode.

Status icons: By glancing at the status icons, you can quickly learn the status of your device, such as its network connection, signal strength, battery level, time, and more.

 The network status icons may vary by regions and service providers.

	Signal strength		No signal
4G⁺	4G+ network connected	3G	3G network connected
4G	4G network connected	H	HSPA network connected
2G	2G network connected	LTE	LTE network connected
LTE⁺	LTE+ network connected		NFC enabled
H⁺	HSPA+ network connected		Airplane mode enabled
	VoLTE available		Wi-Fi network connected
R	Roaming		Receiving location data from GPS
	Bluetooth enabled		Silent mode enabled
	Wi-Fi network available		Charging
	Vibration mode enabled		Battery level low
	Alarms enabled		No SIM card detected
	Battery fully charged		Headset plugged in
	Power saving mode enabled		Performance mode enabled
	Wired or wireless projection in use		Super charging
	Quick charging		Eye comfort mode enabled
	Do not disturb mode enabled		USB cable connected
	Data saving mode enabled		Bluetooth power
	Hotspot enabled		Phone Manager reminder
	Unstable signal		Can't connect a call on current network
	Select-to-speak enabled		Screen time management enabled

Notification icons: When there is a new message, notification or reminder on your device, the relevant icon will be displayed in the status bar.

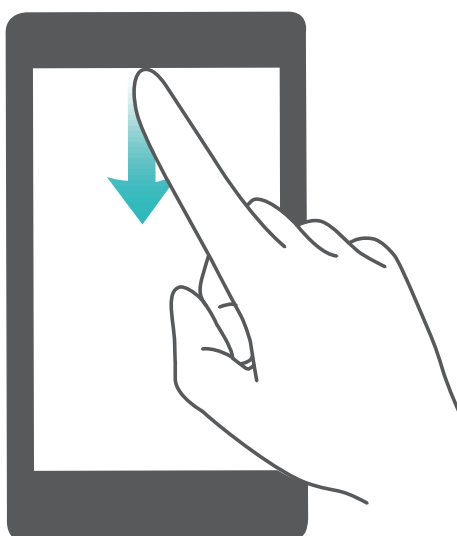
	Missed calls		New emails
	Downloading data		New voicemails
	Events reminder		Uploading data
	Synchronising data		Memory full
	Sign-in or synchronisation problem		Synchronisation failed
	VPN connected		More notifications

Open the Notification Panel to Get Important Information

Check the notifications and the operating status of your device on the status bar.

When there is a notification reminder, you can turn on the screen and swipe down from the status bar to view the notification.

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.



If you want to display the number of notifications or no reminder on the notification and status bar, touch  **Settings**, and go to **Notifications > More notification settings > Notification method**. Then select **Numbers** or **None**.

Disable App Notifications

Is it annoying to receive a variety of application push notifications? You can set and disable the specified notification.

Open  **Settings**, and touch **Notifications**. From here you can:

- **Block notifications from an app:** Select the app, then disable **Allow notifications**.
- **Block notifications from all apps:** Select **Batch management**, then disable **All**.

Customise Notification Settings

Customise the notification settings to use your device the way you want.

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

- **Enable Notifications turn on screen:** Enable **Notifications turn on screen** to set the screen to turn on when notifications are received.
- **Set the notification style:** Touch **Notification method**, then 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 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 lock**, 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 **Add** 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.

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.

Home Screen Management

Manage Home Screen Icons

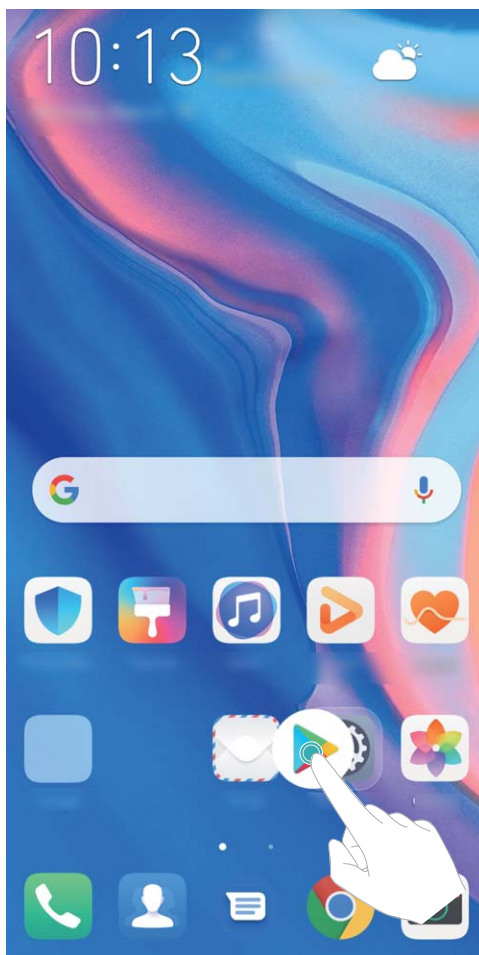
Move an app icon or folder: On the home screen, touch and hold an app or folder icon until your device vibrates, then drag it to any position on the home screen.

Delete an app icon: On the home screen, touch and hold the icon of the app you want to uninstall until your device vibrates, then touch **Uninstall**.

- To ensure that the system runs normally, some pre-installed system apps cannot be uninstalled.

Lock the home screen layout: Open  **Settings**, go to **Home screen & wallpaper > Home screen settings**, and enable **Lock layout**.

Create a folder: On the home screen, touch and hold an app icon until your device vibrates, then drag it on top of another app icon. The two icons will be placed in a new folder.



Delete a folder: Open a folder, touch $+$, deselect all the apps, then touch **OK**. The folder will be deleted and all app icons in the folder will be moved to your home screen.

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

Add or remove app icons from a folder: Open a folder and touch $+$. Select the apps you wish to add to the folder, deselect those you wish to remove, then touch **OK**.

i Another way to remove an app icon from a folder is to touch and hold the icon in the folder until your device vibrates, then drag it to an empty space on 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 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 device vibrates, and then select **Remove**.

Move widgets: Touch and hold a widget on the home screen until your device 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.

Contacts

Managing Contacts

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 device 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** > **Organise 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 device 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 Favourites: Tired of constantly searching through your contacts for a particular entry? You can Favourite your frequent contacts for quick and easy access. From your Contacts list screen, touch the entry you want to Favourite, then touch **Favourite** to add it to the Favourites 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  to **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 Blocklist or Trustlist

Add contacts to the blocklist to avoid receiving nuisance or spam calls. Add contacts to the trustlist to receive calls only from numbers on this list.

To add a contact to the blocklist, open  **Contacts**, touch the contact, then go to  > **Block contact**. All calls and messages from this contact will be blocked.

 You can also add contacts to the blocklist in **Phone Manager**. Go to **Blocked** >  > **Blacklist**, touch , and add the contacts you want to block.

To add contacts to the trustlist, open **Phone Manager**, go to **Blocked** >  > **Whitelist**, touch , and add the desired contacts.

 When **Block all incoming calls** is enabled, all calls, including those from the trustlist, will be blocked.

View contacts in the blocklist: Open  **Phone Manager**, and go to **Blocked** >  > **Blacklist**.

View contacts in the trustlist: Open  **Phone Manager**, and go to **Blocked** >  > **Whitelist**.

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

 You can also remove a contact from the blocklist in **Phone Manager**. Go to **Blocked** >  > **Blacklist**, then touch and hold the desired contact to remove it.

Remove a contact from the trustlist: Open **Phone Manager**, go to **Blocked** >  > **Whitelist**, then touch and hold the desired contact to remove it.

Dialling

Basic Calling Functions

Make Calls

On the dialler screen of your device, enter part of the phone number, the first letter of the contact's name, or the contact's initials to find a contact.

Open  **Dialler**. From the dialler screen, enter the phone number, the first letter of the contact's name, or the contact's initials (for example, enter "jl" for John Lucas) to find a contact. Touch the contact you want to call from the list. If you are using a dual-SIM device, touch  or  to make the call. Touch  to hang up.

 You will be prompted to paste recently copied phone numbers when you enter the dialler screen.

Press the Power button to hang up: If a number has been dialled accidentally and the call screen is hidden, you can still hang up quickly. The **Power button ends call** feature hangs up the call when the Power button is pressed. On the **Dialler** screen, go to  > **Settings** > **More**, and enable **Power button ends call**.

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 network providers may not support this feature.

Open  **Dialler**, 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 network providers may not support this feature.

Open  **Dialler**, 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  **Dialler** 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 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  **Dialler** 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.

 Some network providers may not support this feature.

Enable VoLTE to Enjoy HD Calls

-  • Some network providers may not support this feature.
 - Only dual-SIM phones support both SIM card slots enabling 4G, VoLTE, and VoWiFi.

Open  **Settings**, and go to **Wireless & networks** > **Mobile network**. In the settings section for SIM 1 or 2 (if supported by your network provider), you can:

- **Enable 4G:** Turn on **4G**. The **4G** switch may be unavailable for your device due to your network provider's settings. This indicates that the 4G network is enabled by default.
- **Enable VoLTE calling:** Turn on **VoLTE HD calls**.

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

Use Basic Camera Features

Learn about the basic features of your camera to take better photos.

Take a photo: Open  **Camera**. In the viewfinder, touch  or press the Volume down button to take a photo.

Select a camera mode: Open  **Camera** and choose a preinstalled camera mode in the lower part of the screen.

Adjust the focal length: In the viewfinder, spread two fingers to zoom in or pinch two fingers to zoom out. When the distance between your device and shooting object is greater than the optical zoom of the camera, the photo quality decreases. When zooming in or out, a zoom bar will appear on the side of the screen. You can also adjust the zooming level with the zoom bar.

Adjust the exposure: Your camera will adjust its exposure automatically depending on the ambient light level. The larger the exposure, the brighter the picture. To manually adjust the exposure, touch the viewfinder screen and drag the  icon up or down.

Turn on or off the flash: When taking photos in a dark environment, turn on the flash to increase the ambient brightness. In the viewfinder, touch  to select one of the following flash modes:

-  **Auto:** The camera automatically determines whether to turn on the flash according to the ambient light.
-  **Off:** The flash is disabled.
-  **On:** The flash is enabled.
-  **Always on:** The flash is always on.

Use Camera to Record Videos

Use Camera to record videos, making your memories more vivid.

Record a video: Go to  **Camera** > **Video**, then touch  to record a video.

Take a picture while recording: Touch  to take a picture while recording.

Zoom in or out: Touch and hold the viewfinder screen with two fingers, then spread your fingers to zoom in or pinch them to zoom out. When zooming, a zoom bar will appear. You can slide it to zoom your camera in or out.

Keep the flash on while filming: When recording a video in dim light, touch , and select  to keep the flash on.

Automatically track moving objects: Touch  on the video recording screen and enable **AI zoom**. Go back to the video recording screen and tap on the object you wish to track. Then touch the object again to confirm.

- **AI zoom** is only available in standard recording mode when you use the rear camera.
- **AI zoom** tracks moving objects only when the zoom level is between 0.6x and 5x (value displayed to the right of the viewfinder).

Use an Assistive Grid to Compose Your Photos

Avoid skewed and off-centre photos. Use your camera's assistive grid feature to help you line up the perfect shot.

Go to  **Camera** >  to enter the **Settings** screen. 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 intersecting points on the grid are the focus areas of the picture. Place the subject of your photo on one of the intersecting points to achieve a good composition.



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



AI camera disabled., Intelligent Photo Scene Identification

AI camera disabled. can automatically identify your current photography scene and intelligently adjust the colour and brightness of the photo, so you don't need to repeatedly adjust your camera for the perfect shot.

AI camera disabled. is a preset camera feature on your device that intelligently identifies your current photography scene and automatically adjusts the colour and brightness of your photo to help you achieve better effects.

AI camera disabled. provides you with the following features:

- **Intelligently identifies photographing scenes and improves photo effects:** **AI camera disabled.** supports multiple scenes, such as the stage, beach, blue sky, greenery, and text scenes. After smart identification, **AI camera disabled.** automatically adjusts the colour and brightness of the camera and recommends an optimal mode (such as the portrait, greenery, or text mode) to improve photo effects.
- **Enables automatically with various preset camera settings ready:** When you turn on your camera and enter Standard camera mode, **AI camera disabled.** will be enabled automatically with camera settings readily configured according to the photography scene, which saves you the trouble of repeated manual adjustments.

- **AI camera disabled.** is only available when you take photos using the rear camera.
- **Master AI** is automatically disabled when you switch to Portrait mode, Wide aperture mode, or Moving picture mode.

Use Portrait Mode to Take Stunning Portraits

Make your selfies and group shots even more beautiful. Portrait mode provides you with options to make every photo beautiful and memorable.

Go to  **Camera > Portrait**, select one of the effects, then touch  to take a portrait.

- **Blurred effect:** Touch the  icon in the viewfinder and select a blurred effect.
 - **Info:** A light source (such as neon light or street light) in a relatively well-lit background will contribute to a better blurred effect.
- **Stage lighting:** Touch the  icon in the viewfinder and select a stage lighting effect.
 - **Info:** Taking a photo from afar will reduce the stage lighting effect.

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.

- **Info:** 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.

- **Info:** 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 Pro Mode to Take Scenic Photos

Want to make your scenic photos more vibrant and interesting? Use Pro mode to take unique and personalised scenic photos.

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

Select a metering mode based on the shooting subject: Touch , and select a metering mode.

Metering Mode	Application Scenario
Matrix	Broad landscapes and seas
Centre	The subject is in the centre of the picture, and stands out from the background.
Spot	The subject to be highlighted in the picture is relatively small, such as a flower or a tree.

Adjust brightness based on the shooting environment:

- **Adjust ISO:** Touch , and drag the ISO slider to adjust its value.
 -  To avoid excessive noise, the recommended ISO is below 400. The recommended ISO for the daytime is between 100 and 200 and around 400 for night scenes.
- **Adjust the shutter speed:** Touch  (shutter speed), and drag the shutter speed slider to your desired speed.

-  The recommended shutter speed for static scenes (such as mountains) is between 1/80 and 1/125, and faster for moving subjects (such as waves). For best results, use a tripod when shooting a moving subject.

• **Adjust exposure compensation:** Touch , and drag the EV slider to your desired value.

Adjust AWB: Touch , and drag the AWB slider to your desired value.

- 
 - When shooting under sunlight, you can select . In a weak light environment, you can select .
 - Touch  to adjust the colour temperature. If you want to give your photo a cosy, nostalgic tone, increase the K value. For a cold, calm or futuristic tone, lower the K value.

Adjust AF based on the shooting subject: Touch , and drag the AF slider to your desired value.

Focusing Mode	Application Scenario
AF-S mode	Static scenes (such as mountains)
AF-C mode	Moving scenes (such as flowing water and waves)
MF mode	Protruding objects (such as a close-up of a flower)

Hold your device steady when shooting: Touch  and enable **Horizontal level**. After this feature is enabled, two horizontal guiding lines will appear on the viewfinder. When the dotted line overlaps with the solid line, the camera is horizontally aligned.

- 
 - Some options in Pro mode may change after you modify settings.
 - The aforementioned recommended settings are for reference only. You may adjust them based on the actual usage conditions to achieve your desired effect.

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 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.



Capture Rivers and Waterfalls with Silky Water

The Silky water feature lets you capture silky smooth photos of waterfalls and rivers.

- This feature works best with 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.

Go to  **Camera > More > Light painting > Silky water**. Hold your device steady, then touch  to start shooting. A preview of the image will be displayed in the viewfinder. Touch  when you are finished.



Use Star Track to Capture the Beauty of Stars

Star track allows you to capture the movement of stars in the night sky.

- For best results, choose a clear night in a location free of light pollution with an unobstructed view of the sky.
- Place your device on a tripod or solid surface so that it does not move during the exposure.

Go to  **Camera > More > Light painting > Star trails**. Hold your device steady, then touch  to start shooting. A preview of the image will be displayed in the viewfinder. Touch  when you are finished.



More Capture Modes

Use Time-Lapse to Create a Short Video

Use Time-lapse mode to capture images over a long period of time and condense them into a short video. Capture and watch nature in its entirety: blooming flowers, drifting clouds, or even star trails against the night sky.

- Recording a time-lapse video continuously for long period of time may consume battery power and use up storage space.
- Place your device on a tripod or flat surface to keep it steady while recording.
- Before you start, ensure that the scene is well lit and the camera is in focus. Position the camera carefully to fit relevant background objects as much as possible.

1 Go to  **Camera > More > Time-lapse**, and touch  to start recording a time-lapse video.

2 Touch  to finish recording.

3 You can then go to **Gallery** to play your time-lapse video.

- For best and optimal result, the recording and playback speeds are automatically adjusted by the system.

Take Moving Pictures

Make your photos more dynamic and fun by taking moving pictures to prolong life's wonderful moments.

With moving pictures, you can record a scene approximately one second before and after pressing the shutter button. When browsing photos in Gallery, view the static picture taken or play a dynamic moving picture effect and sound.

Take moving pictures: Open  **Camera**, touch  on the top of your screen, then touch  to take a moving picture.

View moving pictures: Moving pictures will be saved to **Gallery** in JPG format. Go to  **Gallery** >

Albums > **Camera**, touch pictures with the  icon, and touch  on the top of the picture to view a 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 picture you want to share, then touch  to select a sharing method.

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

Gallery

Photo Management

Edit Photos

Crop, rotate, and apply a variety of effects (such as graffiti, custom watermarks, and filters) to your photos in Gallery.

Open  **Gallery**, select the photo you want to edit, then touch . Edit the photo in the following ways:

- **Rotate:** Touch  and drag the angle wheel to the desired orientation. You can also touch **Rotate** to rotate your photo 90 degrees or touch **Mirror** to flip it.
- **Crop:** Touch  and drag the grid or its corners to make your selection. You can also select a fixed ratio and drag the corners of the grid to crop the photo.
- **Add filter effects:** Touch  to select a filter.
- **Colour splash:** Touch  to select the colours you want to highlight. Other parts of the photo will be black and white.
- **Blur:** Touch , select a blur mode, and drag the slider to adjust the blurriness.
- **Adjust photo effects:** Touch  to adjust the brightness, contrast, saturation, and other qualities of a photo.
- **Beautify a portrait:** **Beauty** is provided for portraits. Touch  to apply features such as **Smooth**, **Blemishes**, **Thin face**, and **Enhance eyes** to make a portrait more attractive.
- **Pixelate:** Touch  to select a mosaic style and size to censor parts of a photo.
- **Graffiti:** Touch  to select a brush and colour to add graffiti.
- **Add watermarks:** Touch  to select a watermark (such as **Time**, **Location**, **Weather**, or **Mood**).
- **Add a text element:** Touch  to select an element style and font format.

Browse and Share Photos or Videos

All photos and videos are stored in Gallery and can be viewed by time, location, or 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. In full screen mode, you can:

- **Zoom in and out:** Spread or pinch together two fingers on the screen to zoom in and out. If a photo has a higher resolution than that of the screen, you can zoom in using two fingers. Once you take your fingers off the screen, the photo can only be enlarged up to twice its original size.

- **View shooting settings:** Touch  and scroll down to view details about the photo in the pop-up box, including ISO (sensitivity), EV (exposure compensation), and resolution.
- **Rename the photo:** Touch  > **Rename** to enter a new name.
- **Set the photo as a home screen wallpaper or contact picture:** Go to  > **Set as**, then select **Wallpaper** or **Contact photo**.

Share a photo or video: Open  **Gallery**. On the **Photos** tab, touch and hold any item to access the selection screen. Select the items you want to share, touch , then select a sharing method, and follow the steps to complete the process.

View by shooting time: On the **Photos** tab, photos and videos are displayed by when they were taken. To allow timestamps to be displayed when you browse photos in full screen mode, go to  > **Settings** and enable **Show time and location**. To switch between daily and monthly views, separate or pinch together two fingers on the screen.

View by shooting location: Photos or videos taken while **Location tag** is enabled (in **Camera** settings) can be viewed in Map view. On the **Photos** tab, touch . Photos or videos containing location information will be marked on the map. Separate two fingers on the screen to zoom in on the map and view details about the shooting location. Touch a photo thumbnail to view all the photos and videos taken at that location.

View by album: You can view photos and videos by album. Some photos and videos are stored in default albums. 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: On the **Photos** tab, go to  > **Slideshow** to play slideshows. Touch the screen to pause the playback.

Organise Albums

Add an album: From the **Albums** tab, touch **Add album**, name the album, then touch **OK**. Select the photos or videos you want to add.

Move photos and videos: Move photos and videos from various albums into the same one for easy management and browsing. Touch and hold a photo or video you want to move until  is displayed, then select all the photos and videos that you want to move. Touch  to select the desired album. Once the items are moved, they will no longer be in their original albums.

Add photos and videos to favourites: Add photos and videos to favourites for easier viewing.

Open the photo or video that you want to add to the **My favourites** album, then touch .

Favourited photos and videos will remain in their original albums and have a  icon on their thumbnails.

Hide albums: Hide albums that you don't want others to see to ensure personal privacy. On the **Albums** tab, go to  > **Hide albums** and toggle the switches on for albums that you want to hide.  **Camera, Videos, My favourites** and **Screenshots** albums cannot be hidden.

Delete photos and videos: Touch and hold a photo or album until the  icon appears. Select the items you want to delete, then go to  > **Delete**. Deleted photos and videos will remain for a time in the **Recently deleted** album before being permanently deleted. Days remaining before deletion are marked on the photos. To permanently delete a photo or video manually, touch and hold its thumbnail, then go to  > **Delete**.

Recover deleted photos and videos: In the **Recently deleted** album, touch and hold a photo or video until the  icon appears. Select the items you want to recover and touch  to restore them to their original albums. If the original album has been deleted, a new one will be created.

Phone Manager

Use Optimise

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

Open  **Phone Manager**, and touch **OPTIMISE**. Your device will automatically optimise its overall performance, security, battery performance, and device management. You can also customise the optimisation options. The system will recommend that you use Optimise. This will help you increase running speed, check for security risks, optimise 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 ranking of apps.
- **Network access:** Manage Internet access permissions for each app.
- **Smart data saver:** Enable the data saver and select the apps that are allowed to use mobile data while running in the background.

Enable Smart Power Saving

Open  **Phone Manager**, touch  , then touch **Optimise battery usage**. The system will analyse your current battery usage and suggest ways that you can optimise it. You can also select other power saving modes:

- **Enable power consumption analysis and optimisation:** Touch **Optimise battery usage**. The system will analyse your current battery usage and suggest ways that you can optimise it.
- **Enable Power saving mode or Ultra power saving mode:** Enable **Power saving mode** or **Ultra power saving mode** based on your device's battery level to extend battery life. Once **Power saving mode** is enabled, the  icon will be displayed in the 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 the system to disable all features except Wi-Fi, mobile data, and any others specified by the user.
- **View power consumption details:** Touch **Power consumption details**. In the **Power consumption details** section, coloured bars beneath the **Charging** graph indicate when 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 automatically decreases the resolution of your device to save power. Touch **Screen resolution**, and then enable **Smart resolution**. Your device will automatically adjust the screen resolution based on the apps that are currently running to save power. Note that the display quality will be affected accordingly. You can also manually set the screen resolution to save power if necessary.
- **Display remaining battery percentage in the status bar:** Enable **Battery percentage** and select a display mode.

To learn more about power saving settings, open  **Phone Manager** and go to  > **More battery settings**. From here you can do the following:

Check battery usage of power-intensive apps: Touch **Power-intensive app history**. Disable apps that are not in use.

-  Once **Performance mode** is enabled, your device will prioritise app performance based on the current scenario to improve user experience (for example, when you are playing games). However, power consumption may increase and your device may heat up.

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 , 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  > **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  **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**.

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.

Import To-Dos to Keep Your Work Organised

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

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

 This feature requires an Internet connection. Connect to a Wi-Fi network to avoid incurring unnecessary data charges.

Open  **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

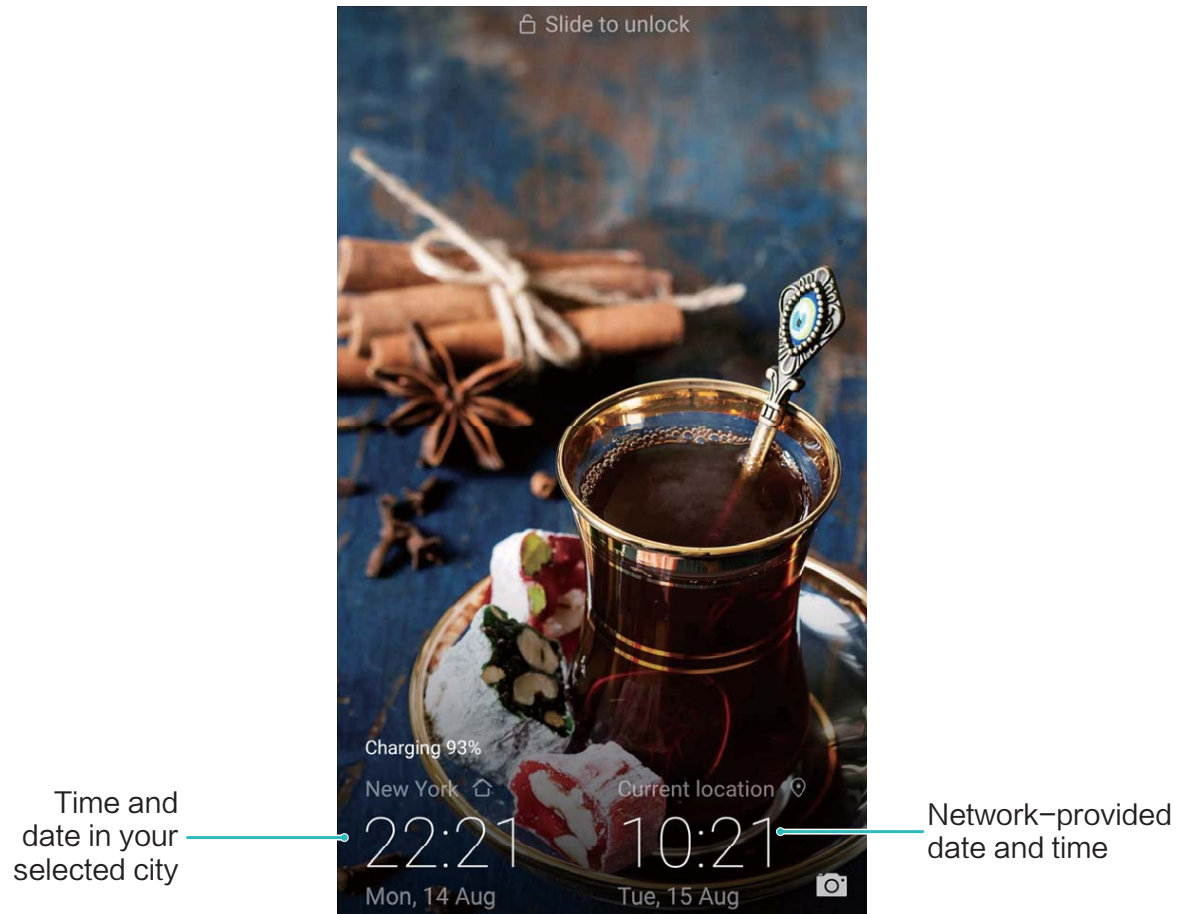
Use the Clock

You can find various functions, including alarm, world clock, stopwatch, or timer in Clock.



View the time all over the world: Open  **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.



- 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 to Keep Your Records in Order

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

Share a note: Want to send your meeting notes to your colleague? On the list page 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 favourites: Want to add a note to favourites so you can refer to it later? On the list page of **All notes**, swipe left on a note and touch . Alternatively, open the note you want to add to favourites and touch .

Delete a note: Want to delete an outdated note? On the list page of **All notes** or **All to-dos**, swipe left on a note, then touch . Alternatively, touch and hold a note to view options, select the note(s) you want to delete, and touch .

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

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

 After completing an item, go to the editing page of **All to-dos**, and select  on the left of the completed item.

Add a handwritten note: Want to quickly record your drawing or handwriting? Go to **Notes** > , touch , write your notes, and touch  to save it. You can write and draw in Notepad.

Add tags to notes: Want to easily view the categories of your notes? On the editing page of **Notes**, touch , and use different coloured tags to categorise different content for a clearer view of 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 device usage habits.

To check your device 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 Make Audio Notes

Have you ever felt like you do not 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. While recording, you can add tags at important points. Touch  to finish recording and save the audio file.

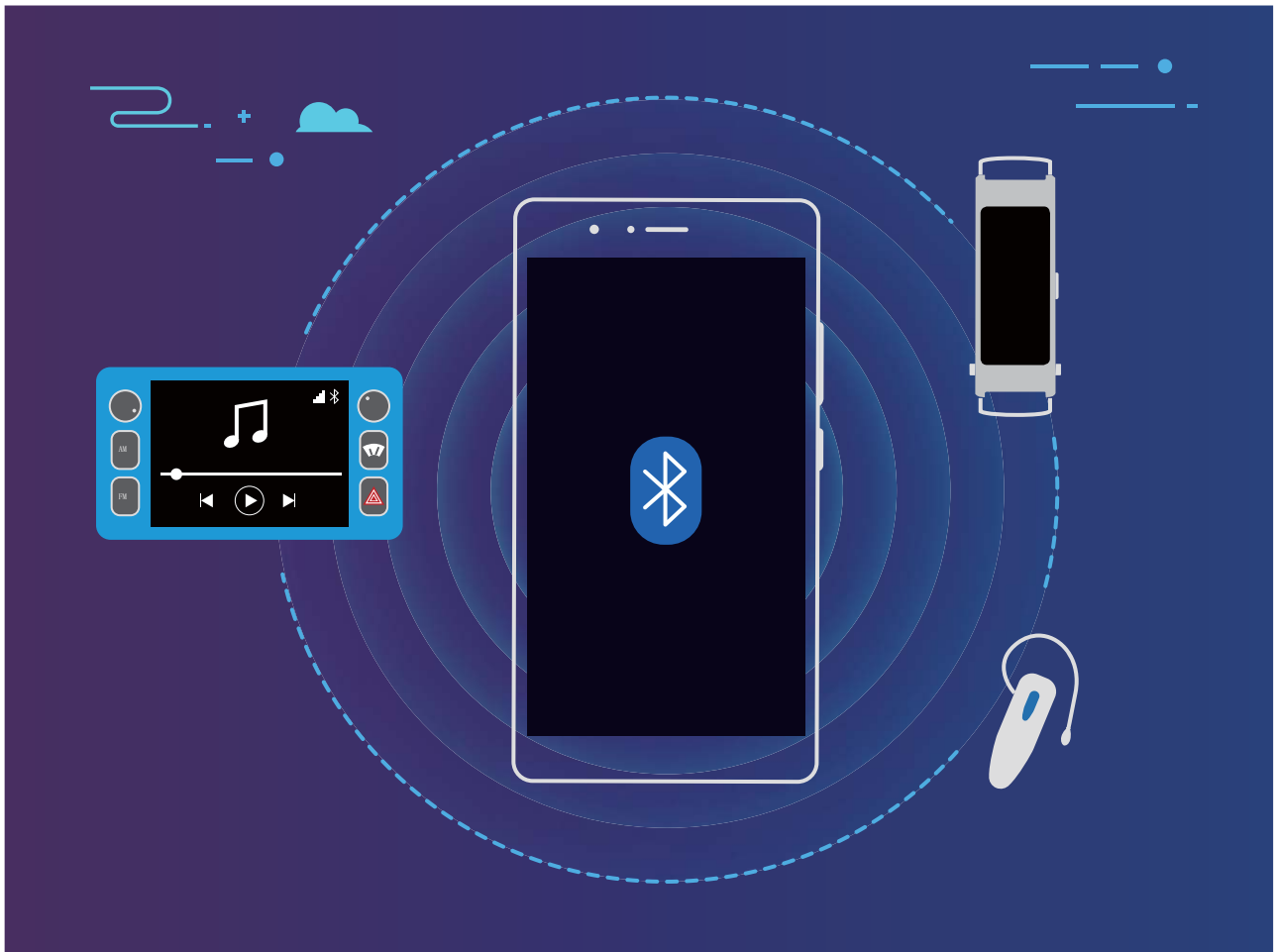
After the recording is completed, you can:

- **Play recording from tag:** In the recording file list, touch a recording to go to the play screen. On the play screen, you can then 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 file, and then touch  > **Details** to view its storage location.

Device Connection

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  to view information on how to establish Bluetooth connections with in-car systems, headsets, speakers, wearables, phones, tablets, and computers.

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.
- **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.

Huawei Share

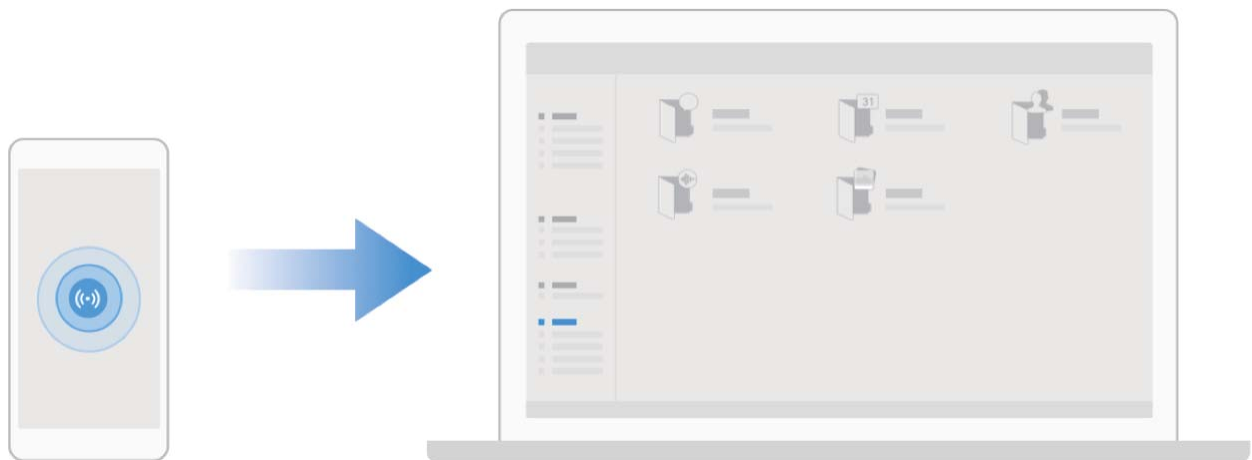
Huawei Share: A Better Way to Share Files

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.

 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 Device and Computer with Huawei Share

Want to quickly transfer pictures and videos from your device to computer (Windows PC or Mac)? Huawei Share makes it simpler than before, without even needing a USB cable.

From your device to your Windows PC

- 1** To start, make sure your device is connected to the same network (for example, the same Wi-Fi network) as your computer.

- 2 Open  **Settings** on your device, go to **Device connectivity > Huawei Share**, then enable **Huawei Share** and **Computer share**.
- 3 On the same screen, check and record the **Name shown on computers**, then touch **Verification on computers** to view and record the username and password.
- 4 On your Windows PC, go to **Computer > Network**, double click **Name shown on computers**, and enter the username and password you recorded in the previous step. The Internal storage or Albums folders on your device are then displayed on your computer.
 -  The content of these folders is not automatically saved to your Windows PC, but can be accessed, copied, and saved locally as needed on the computer.
- 5 You can also edit the files or photos in Internal storage or Albums on your Windows PC, and the changes will be synced to your device automatically. Similarly, if you edit any files or photos on your device, the changes will be synced to your computer as well.

From your device to Mac

- 1 To start, make sure your device is connected to the same network (for example, the same Wi-Fi network) as your computer.
 - 2 Open  **Settings** on your device, go to **Device connectivity > Huawei Share**, then enable **Huawei Share** and **Computer share**.
 - 3 On the same screen, check and record the **Name shown on computers**, then touch **Verification on computers** to view and record the username and password.
 - 4 On the Mac, go to **Finder > Go to > Network**, double-click **Name shown on computers**, choose to register a user account, and enter the username and password you recorded in the previous step. The Internal storage or Albums folders are then displayed on your Mac.
 -  The content in these folders is not automatically saved to your Mac, but can be accessed, copied, and saved locally as needed on your computer.
 - 5 You can also edit the files or photos in Internal storage or Albums on your Mac, and the changes will be synced to your device automatically. Similarly, if you edit any files or photos on your device, the changes will be synced to your Mac as well.
-  This function is supported on Mac computers running iOS 10.8 or later.

One-Touch Printing with Huawei Share

How do I quickly print travel photos, work files, or my children's homework from my device?

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 device 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

Fingerprint

Fingerprint Recognition: Enjoy Faster Navigation and Enhanced Security

Fingerprint recognition not only allows you to unlock your device 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.



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 network provider.
 - 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.

Enable App Lock

App lock allows you to set a password for your important apps. Once you restart your device or unlock the screen, you will be asked to enter your App lock password when opening these apps. App lock adds an extra layer of protection for 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 enable App lock for the first time, set the password and password protection question then enter App lock. 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 your password. If you forget your password, touch **Forgot password**, enter the answer to the password protection question, and reset your password. If you have not set up password protection, the **Forgot password** option is not available.

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

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.

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

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.

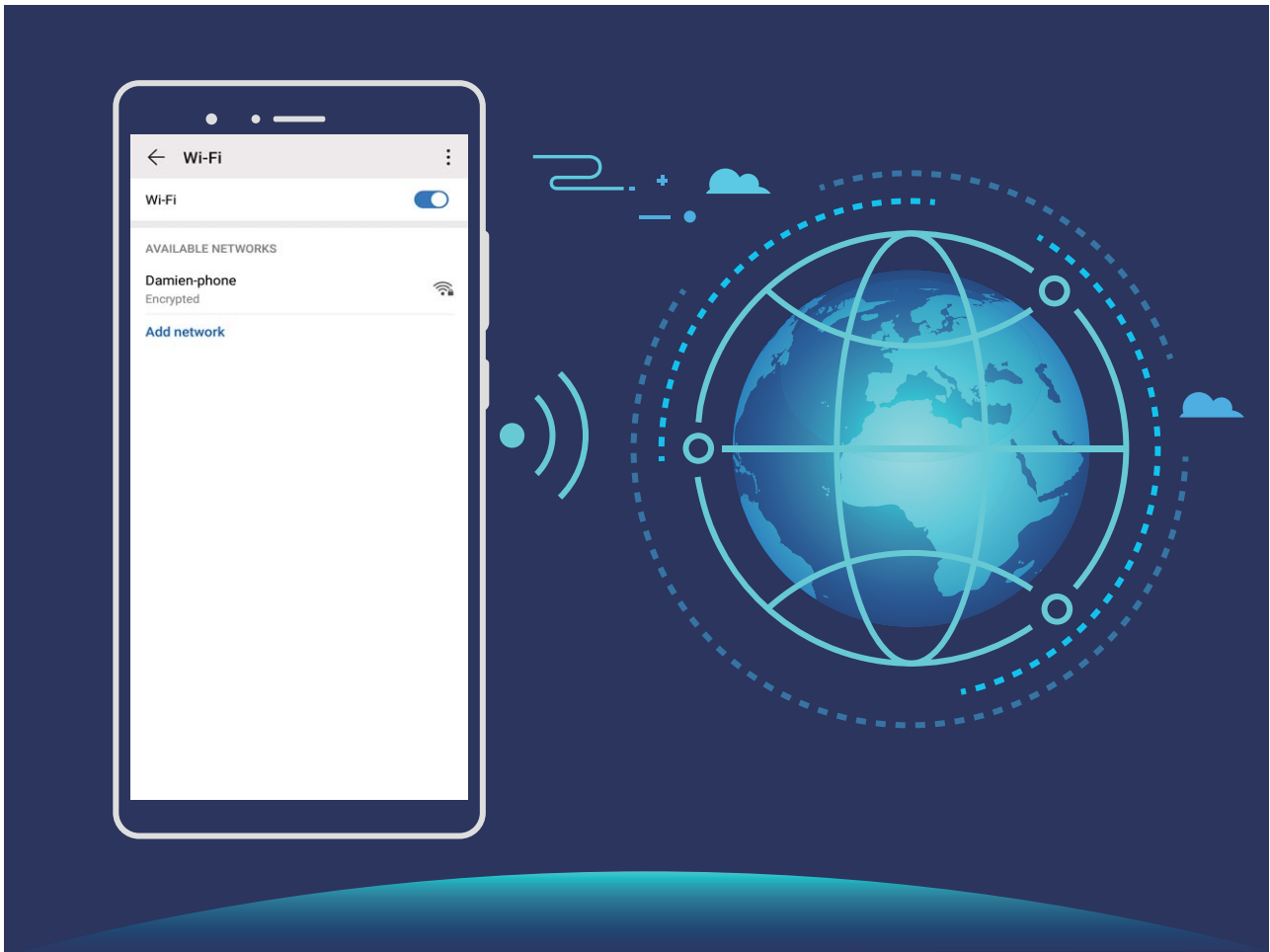
 You can view the connection status by checking the icons in the status bar:

- The  icon indicates that your device is connected to the Internet over Wi-Fi.
- The  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 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.

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 network provider to avoid incurring excessive data charges.

- 1 Swipe down from the status bar to open the notification panel.
- 2 Touch  to enable mobile data.
 -  To save battery power and reduce data usage, disable your mobile data connection when you don't need it.

Share Your Mobile Network with Other Devices

You can share your mobile data with your friends.

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 Wi-Fi hotspot name, encryption type, and password, then touch **Save** and enable the hotspot to use it.

-  **Set data limit for shared mobile data:** Go to **Settings > Wireless & networks > Tethering & portable hotspot > Portable Wi-Fi hotspot**, and touch **Data limit** to set the data limit for a single session. When this limit is reached, your device will automatically disable the hotspot.

Use Bluetooth to share mobile data: Connect your device to another device using Bluetooth, then enable Bluetooth tethering to share your mobile data. Open  **Settings**, go to **Wireless & networks > Tethering & portable hotspot**, and enable **Bluetooth tethering**. On the **Bluetooth** settings screen of the paired device, touch  next to the paired device, then 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 your computer's operating system, you may need to install device drivers or establish the relevant network connection on your computer before using this feature. 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

Set Up 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**, go to **Sounds > Do not disturb**, enable **Do not disturb**, then touch **Do not disturb mode** to select one of the following options:

- **Allow calls and messages from important contacts:** Select **Allow priority interruptions only**, then touch **Define priority interruptions** to configure which contacts can call or message you.
 - **Allow alarm notifications:** Select **Alarms only** to allow interruptions from alarms.
 - **Disable all interruptions:** Select **Don't interrupt** to disable all ringtones, vibrations, and alarms as well as to prevent the screen from turning on for incoming calls, messages, and alarms.
-  • Some third-party apps may continue to ring when priority interruptions and alarms are allowed in Do not disturb mode. Use the in-app settings to mute notifications from these apps.

Schedule rule: Prevent interruptions at set times, such as weekends or evenings. Touch **Time** to set the time period and repeat cycle, then enable **Time**.

Event rule: Prevent interruptions during meetings or events. Touch **Event**, set the calendar events, then enable **Event**.

Configure Your Sound Settings

When you are watching films or playing games, your device will automatically switch to stereo sound to enhance your audio experience. You can also adjust ringtone and audio reminder settings to suit different occasions.

Adjust system volume: Press a Volume button, then slide to adjust the media volume. Alternatively, you can touch  to display the sound settings screen and adjust the ringtone, media, and alarm volume from there.

-  You can also adjust the volume in the system settings. Open  **Settings**, touch **Sounds** and slide to adjust the volume.
-  On the sound settings screen, touch **Default volume button control** and select **Ringtone volume**. You can now use the Volume buttons to adjust the ringtone volume.

Switch between sound, vibration, and silent mode: Swipe down from the status bar to open the notification panel. Touch  to switch between **Sound** mode, **Silent** mode, and **Vibration** mode.

Enable keypad and notification sounds: Open  **Settings**, and go to **Sounds > More sound settings** to enable or disable keypad touch sounds, screenshot sounds, and touch vibration.

Set your device to Silent mode: From the **Sounds** screen, enable **Silent mode**, then 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 sound: From the **Sounds** screen, choose a ringtone or notification sound according to your personal preference.

Enable Eye Comfort Mode to Prevent Eye Strain

Do your eyes get tired and sore after looking at your Phone for a long time? Eye comfort mode can effectively reduce blue-light and adjust the screen to warmer colours, relieving eye fatigue and protecting your eyesight.

Enable Eye comfort mode: Open  **Settings**, go to **Display > Eye comfort**, and enable **Eye comfort**. The Eye comfort mode icon  will be displayed in the status bar. Once Eye comfort mode is enabled, blue light will be filtered out and the screen will take on a yellow tint.

Quickly enable or disable Eye comfort mode: Swipe down from the status bar to open the notification panel. From the notification panel, expand the shortcuts panel, then enable or disable .

Enable Eye comfort mode at set times: You can configure your Phone to enable Eye comfort mode for a set period of time each day. When Eye comfort mode is disabled, open  **Settings**, go to **Display > Eye comfort**, and enable **Scheduled**, then set your desired **Start time** and **End time**.

Adjust Eye comfort mode colour temperature: Once Eye comfort mode is enabled, blue light will be filtered out and the screen will take on a mild yellow tint. You can adjust the colour temperature as needed. After you have enabled **Eye comfort**, you can adjust the colour temperature slider for a cooler or warmer screen colour.

-  • After using your mobile phone for half an hour, rest your eyes for 10 minutes.
- While you are resting, look into the distance to adjust the focusing muscles of your eyes and avoid eye fatigue.
- Cultivating good eye care habits will protect your vision and prevent near-sightedness.

More Display Settings

Use Shortcuts to Access Frequently Used Features

-  If you touch and hold an app icon and no shortcut is created, the app does not support home screen shortcuts.

Each app supports up to four frequently used features. These are preset by the app and cannot be changed.

Quickly access frequently used app features: Touch and hold an app icon, and then touch a frequently used feature to access it. 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 drag it to your home screen to create a shortcut. For example, you can add a shortcut for the camera's selfie feature to the home screen.

Change the Display Settings

Open  **Settings**, touch **Display**, and you can:

- **Display full screen:** Go to **More display settings > Full screen display** to set apps to display in full screen mode as required.
- **Change the image and font size:** Touch **Text and display size** and drag the sliders to suit your needs.
- **Automatically switch between portrait and landscape screens:** Go to **More display settings > Auto-rotate screen** and toggle on the switch. Alternatively, swipe down from the status bar to open the notification panel, and then enable .
- **Adjust the colour temperature:** Go to **Colour mode & temperature**. You can choose from the pre-set **Default**, **Warm**, or **Cold** options recommended by the system. Alternatively, touch anywhere on the circle or drag the spot to adjust the colour temperature manually.
- **Automatically adjust the screen resolution:** Touch **Screen resolution** and enable **Smart resolution**. Your device will then automatically adjust the screen resolution to save power.
- **Play screen savers while charging in Sleep mode:** Go to **More display settings > Screen saver**, and enable **Screen saver**. Then set **Picture source** and **Playback duration**. After the setting is complete, your device will display a slideshow of your photos when it is being charged and enters Sleep mode.
- **Display more information on the status bar:** Touch **More display settings**, then enable **Display carrier name** or **Display network speed** according to your preference.
- **Change the screen-on time:** Touch **Sleep** and select how long the screen will remain on before turning off due to inactivity.

Storage

Enable Memory Cleanup

Your device may slow down over time as your storage space gets smaller. Use Memory cleanup to free up storage space, improve system performance, and keep your device running smoothly.

Open  **Phone Manager**, then touch **Cleanup** to clean up memory and clear the cache to optimise performance with one touch. If your storage space is still low, perform a deep clean to free up additional storage space.

Smart Assistance

Access Device 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 device. You can enable the Navigation dock feature on your device 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 device 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

Your device reads aloud content on the screen that you touch, select, or activate, helping you interact with your device when you can't read content on your screen clearly.

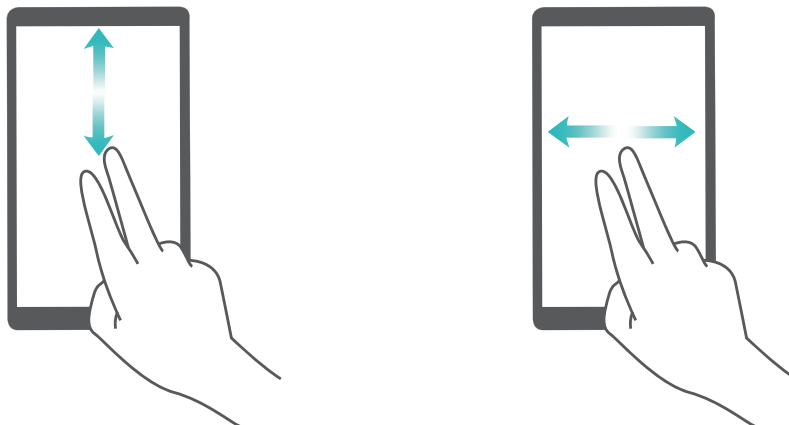
- 1 Open  **Settings** and go to **Smart assistance > Accessibility > TalkBack > ** to enter the TalkBack settings screen.
- 2 Enable **TalkBack** and touch **OK**. Your device will launch a tutorial when you enable TalkBack for the first time. If you need to listen to the tutorial again, touch  to enter the TalkBack settings screen, and launch the tutorial.
- 3 Touch  and enable **Explore by touch**. Your device will read aloud content that you touch. You may have enabled TalkBack by accident. To disable TalkBack, press and hold the Power button until your device vibrates, then touch the screen with two fingers for at least three seconds.

Learn TalkBack Gestures

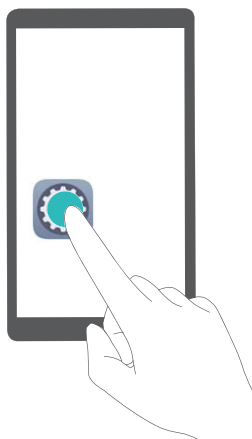
TalkBack uses a special set of gestures. When TalkBack is enabled, these gestures are required to interact with your device.

-  To disable TalkBack, press and hold the Power button until your device vibrates, then touch the screen with two fingers for at least three seconds.

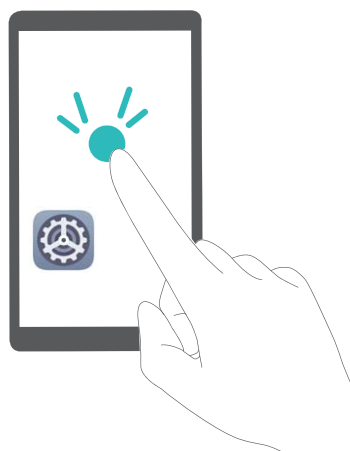
Navigate the screen: Swipe up or down with two fingers to scroll through menu lists. Swipe left or right to move between pages and screens.



Select an item: Touch an item with one finger to select it (not open it). Your device will read out the content of the selected item.



Open an item: Double-tap 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 with one finger, 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 device. It can also be used with TalkBack to help you interact with your device when you can't read content on your screen clearly.

Open  **Settings**, go to **Smart assistance** > **Accessibility**, and enable **Text-to-speech**. Configure your preferred engine and speech rate.

Enable Colour Correction

Colour correction enables your device to compensate for 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**, then enable **Colour correction**. Touch **Correction mode** to select the required colour correction mode.

General Settings

Change Your System Language

You can change the system language on your device as needed.

Open  **Settings**, go to **System** > **Language & input** > **Language**, then select the language you want to use. If the language you want to use is not listed, touch **Add language** to search for additional languages.

In **Add language** > **Added**, the displayed language does not indicate an affiliation between the language and region. The system interface is displayed according to the local habits of the selected region. For example, if you add English (Vietnam), the language will be English but the calendar will show Monday as the first day of the week according to Vietnamese habits, instead of showing Sunday as the first day, like is common in the United Kingdom or the United States of America.

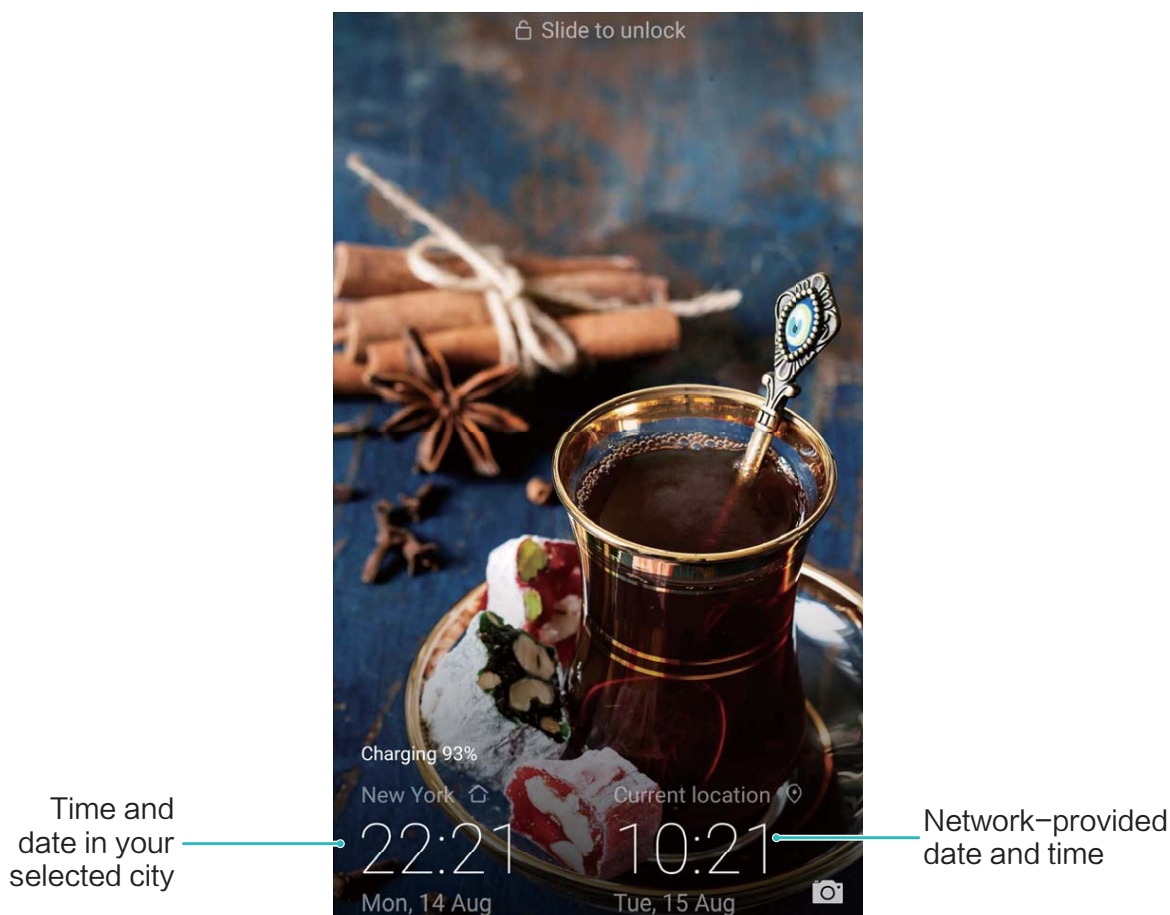
Set the System Date and Time

If you travel abroad or change your SIM card, your device will automatically display the date and time provided by the local mobile network. You can also adjust the date and time manually, change the time format, or set dual clocks on your lock screen.

Open  **Settings**, and go to **System** > **Date & time**. From here you can:

- **Change the date and time:** Enable **Set automatically** to sync your device's date and time with that of your mobile network. Disable **Set automatically** to set your date and time manually.
- **Change the time zone:** Enable **Set automatically** to sync your device's time zone with that of 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:** When you are roaming outside of your home country, your device will automatically display the local date and time provided by the local mobile network. Enable **Dual clocks** and set **Home city** to display dual clocks on your lock screen. One clock will display the local time and the other clock will display 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.

System Update

Performing an Online Update

Your Phone will prompt you to download and install a system update when a new version is available. The online update feature allows you to update your Phone quickly and securely.

-  Before performing an online update, ensure that your Phone is connected to the Internet. Online updates require an Internet connection. Update your Phone over a Wi-Fi network to avoid incurring unnecessary data charges.
- Ensure that your Phone is at least 30% charged during the update process.
- Avoid using unauthorized third-party software to install firmware and system updates. These may cause your Phone to cease functioning or disclose your personal information. For best results, update your system using the online update feature, or take your Phone to your nearest Huawei service center.
- Always back up your data before updating your Phone to avoid potential data loss.
- Some third-party apps may be incompatible with the new system version (such as online banking apps or games). Please wait for a new version of the third-party app to be released.

1 Open  **Settings**.

2 Go to **System > Software update**.

System updates may take a while to complete. Avoid using your Phone during this time. Your Phone will automatically restart when the update is complete.

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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.

For more information

For more information, you can enter a feature name in the search box of **Tips**.

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 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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