

HONOR 9X PRO

User Guide

HONOR

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Exciting Features

Featured Usage Tips

Access Phone Functions from Anywhere with Navigation Dock

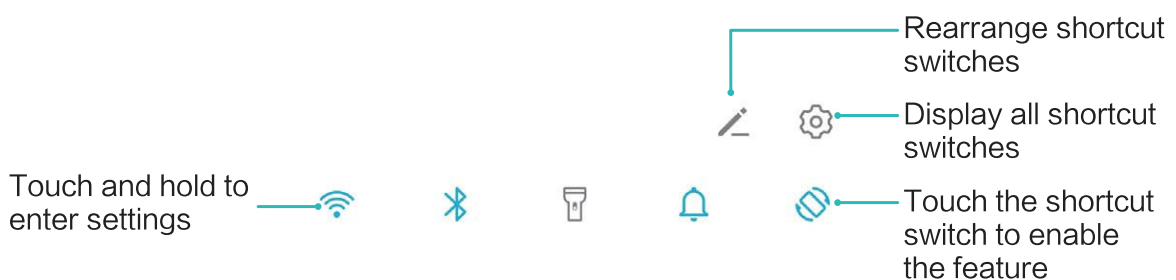
In order to close an app or return to the home screen, you must use the navigation bar at the bottom of your Phone. You can enable the Navigation dock feature on your Phone to avoid using navigation buttons and to comfortably operate your device with one hand.

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

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

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

Use Portrait Mode to Shoot Like a Pro

Go to  **Camera > Portrait**, adjust the following settings, then touch  to take a portrait.

- **Blur and lighting effects:** Touch the  icon in the viewfinder and select a blur or lighting effect.

 A light source (such as a neon or street light) in a relatively well-lit background will contribute to better results. Taking photos at long distance will reduce the effect.

- **Beauty effect:** Touch  in the viewfinder and drag the slider to adjust beauty settings. A larger value will produce a more distinct beauty effect.
-  To disable the beauty effect, touch the  icon in the viewfinder and drag each setting to its lowest value.

Use Panorama Mode to Take Panoramic Photos

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

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

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

- 1 Go to  **Camera > More > Panorama.**
- 2 Touch  at the bottom of the screen to configure the shooting direction.
- 3 Hold your Phone steady, and then touch  to start shooting. Slowly move the Phone in the direction indicated, holding the device steady and ensuring that the arrow stays level with the center line.
- 4 Touch  when you are finished. The camera will automatically stitch the photos together to create a panorama.



Use Pro Mode to Take Scenic Photos

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

Adjust metering based on the subject of the shot: On the Pro mode screen, touch  and select a metering mode accordingly.

Metering Mode	Application Scenario
Matrix	The subjects are broad landscapes and seas.

Metering Mode	Application Scenario
Center	The subject is in the center and stands out from the background.
Spot	The subject to be highlighted is relatively small, such as a flower or a tree.

Adjust brightness based on the shooting environment:

- **Adjust ISO:** On the Pro mode screen, touch ISO and adjust the slider.
 -  To avoid excessive image noise, an ISO value below 400 is recommended. The recommended ISO value for the daytime is between 100 to 200, but may exceed 400 for some night scenes.
- **Adjust shutter speed:** On the Pro mode screen, touch S (shutter speed) and adjust the slider.
 -  The recommended shutter speed for static scenes (such as mountains) is between 1/80 and 1/125 of a second. For moving scenes (such as waves), select a relatively fast shutter speed and use a tripod for best results.
- **Adjust EV compensation:** On the Pro mode screen, touch EV and adjust the slider.

Adjust AWB: On the Pro mode screen, touch AWB and adjust the slider.

-  When shooting in bright sunlight, select . In low light environments, select .
- Touch  to adjust the color temperature. If you want to give your photo a warm, cozy, nostalgic tone, increase the K value. For a cool, calm, or futuristic tone, reduce the K value.

Select Focus mode based on the subject of the shot: On the Pro mode screen, touch AF and adjust the slider.

Focus 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)

Keep your device steady when shooting: On the Pro mode screen, touch  and enable **Horizontal level**. A horizontal guiding line will appear on the viewfinder. If a dotted line appears, the camera is not yet parallel with the horizontal level. When the dotted line overlaps with the solid line, the camera is now parallel with the horizontal level.

- In Pro mode, changing a specific setting will sometimes cause other settings to change as well. Adjust them according to your actual requirements.
- The recommended settings above are for reference only. Adjust them according to actual usage conditions to achieve your desired effect.

Use Pro Mode to Shoot Portraits

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

Select a Metering mode:  or  mode is recommended for taking portraits. Place your shooting subject (for example, a person's face) in the center of the viewfinder.

Adjust brightness based on the shooting environment:

- **Adjust ISO:** To avoid excessive image noise, it is recommended that you adjust the ISO to a low level when shooting portraits. You may adjust the ISO based on the actual shooting environment.

Shooting Environment	Recommended ISO
Outdoors	Between 100 and 200
Indoors	Around 400
Night scenes	Between 400 and 800

- **Adjust shutter speed:** Reduce the shutter speed in low light conditions, and increase it in bright light conditions. The recommended shutter speed for static portraits is between 1/80 and 1/125 of a second. To shoot moving subjects, select a shutter speed at or above 1/125 of a second.
- **Adjust EV compensation:** Increase the EV compensation in low light conditions, and decrease it in bright light conditions.

Adjust AWB: Select AWB depending on the lighting conditions. When shooting in bright sunlight, select . In low light environments, select .

Adjust focus: To better highlight a subject, use manual focus (MF) when shooting portraits. In the viewfinder, touch to focus on the part you want to highlight (the subject's face, for example).

- In Pro mode, changing a specific setting will sometimes cause other settings to change as well. Adjust them according to your actual requirements.
- The recommended settings above are for reference only. Adjust them according to actual usage conditions to achieve your desired effect.

More Features

Enable App Lock

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

Enable App lock: Open  **Settings**. Go to **Security & privacy > App lock**. When you first access App lock, select **Lock screen password** or **Custom PIN** as your **App lock** verification password. Enter your password as prompted and on the **App lock** screen, toggle on the switch for the apps you want to lock.

Set your App lock password: Touch  on the **App lock** screen, then touch **Password type**. Select **Lock screen password** or **Custom PIN**.

Set Your Home Screen Wallpaper

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

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

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

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

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 Memory Cleanup

Your Phone 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 Phone running smoothly.

Open  **Optimizer**, then touch **Cleanup** to clean up memory and clear the cache to optimize performance. 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 carrier 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.

Enroll a Fingerprint to Unlock the Screen

You can enroll a fingerprint on your Phone to unlock your screen, access Safe, or use App lock without a password.

-  • Fingerprint unlock is only available when your unlock method is set to **Pattern, 4-digit PIN, Custom PIN** or **Password**. When your Phone restarts or your fingerprint is not recognized, you will need to use your lock screen password to unlock the device.
- Before enrolling a fingerprint, make sure your finger is clean and dry.

- 1 Open  **Settings**.
- 2 Go to **Security & privacy > Fingerprint ID** and follow the instructions to set or enter the lock screen password.
- 3 Once you have done so, touch **New fingerprint** to enroll a fingerprint.
- 4 Place your fingertip on the fingerprint sensor and hold it there until your Phone vibrates. You can touch it lightly or press down slightly harder, according to your personal preference. Repeat this step using different parts of your fingertip.
- 5 After enrollment is complete, touch **OK**.

To unlock the screen, simply place your finger on the fingerprint sensor. You can also customize the screen unlock method by going to **Settings > Security & privacy > Fingerprint ID > Unlock when screen is off**, and then selecting **Rest finger** or **Press button**.

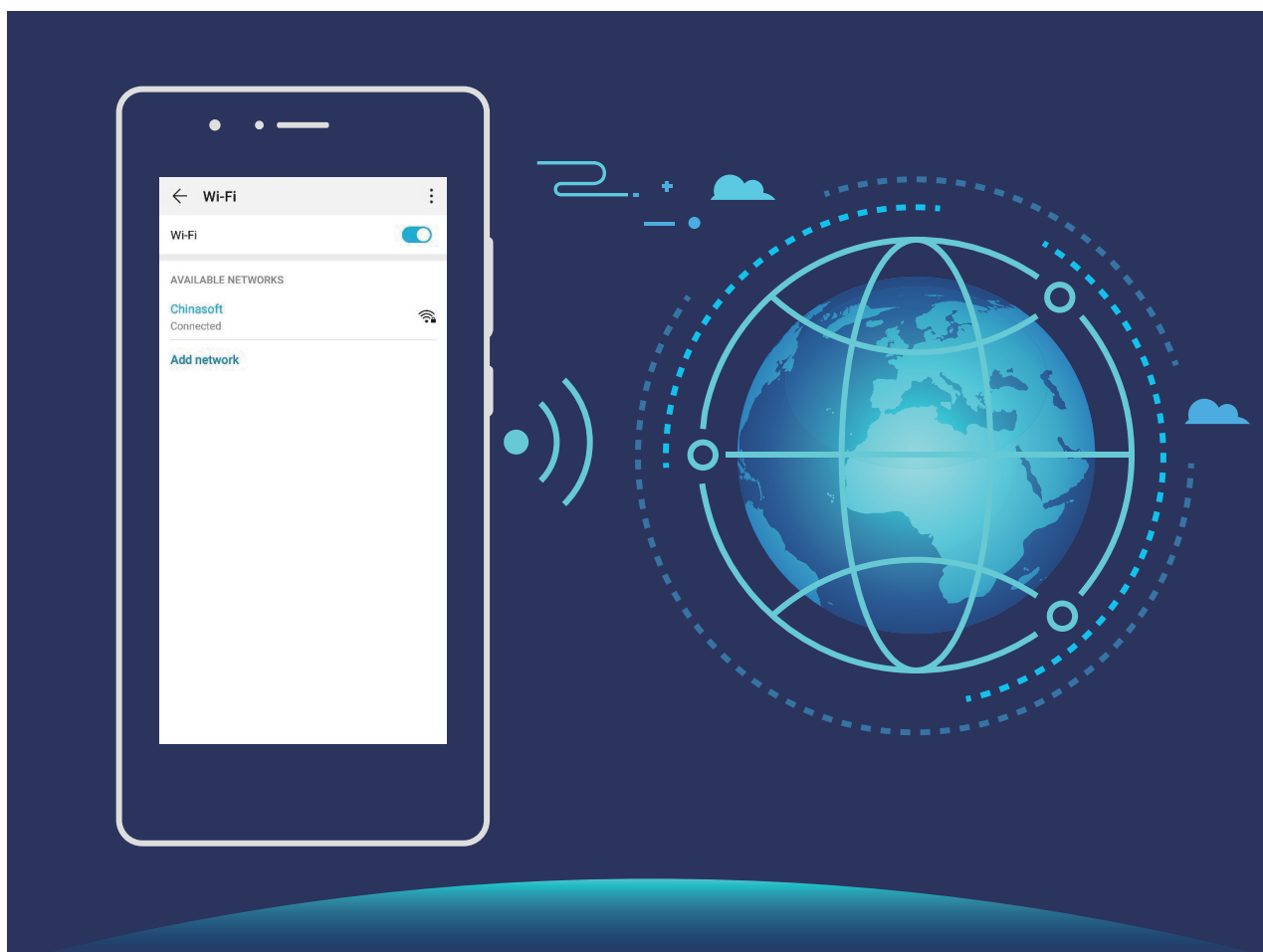
-  Pressing and holding the fingerprint sensor for 3 seconds will power off your Phone. You are advised not to hold the sensor for too long when using the press to unlock method.
- When the screen is on, simply touch the fingerprint sensor to unlock the screen. If you press the fingerprint sensor, the screen will turn off instead.
- If both fingerprint and facial recognition are enabled, you can use both methods simultaneously to unlock the screen with maximum efficiency.

To set your Phone to vibrate when your fingerprint is not recognized, go to **Settings > Security & privacy > Fingerprint ID**, and enable **Vibrate when fingerprint is not recognized**.

Connect to Wi-Fi

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

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



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

Gestures and Operations

HiVision

Read QR Codes and Barcodes

- 1 Swipe down on the home screen, and touch  to open **HiVision**.
- 2 Touch  and place the QR code or barcode within the scan frame to acquire information.
- 3 From the results screen, you can:
 - Touch  to copy the information to the clipboard and paste anywhere you like.
 - If the QR code contains contact information, touch  to add the information to your **Contacts**.

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 favorite things.

-  This feature requires an Internet connection. Connect to a Wi-Fi network to avoid incurring unnecessary data charges.
- 1 Once your Phone is unlocked, swipe down from the center of the home screen, and touch  to open **HiVision**.
 - 2 On the HiVision screen, touch , then you can shop by scanning a product or by taking a screenshot.
 - Take a screenshot to purchase: Frame the item in the viewfinder, then touch  to take a screenshot, The system will automatically recognize and recommend similar items.
 - Scan the product to purchase: Frame the item in the viewfinder, the system will automatically scan and recommend similar items.

HiTouch: Find Out More

HiTouch offers you more information about the products that you read about on your device.

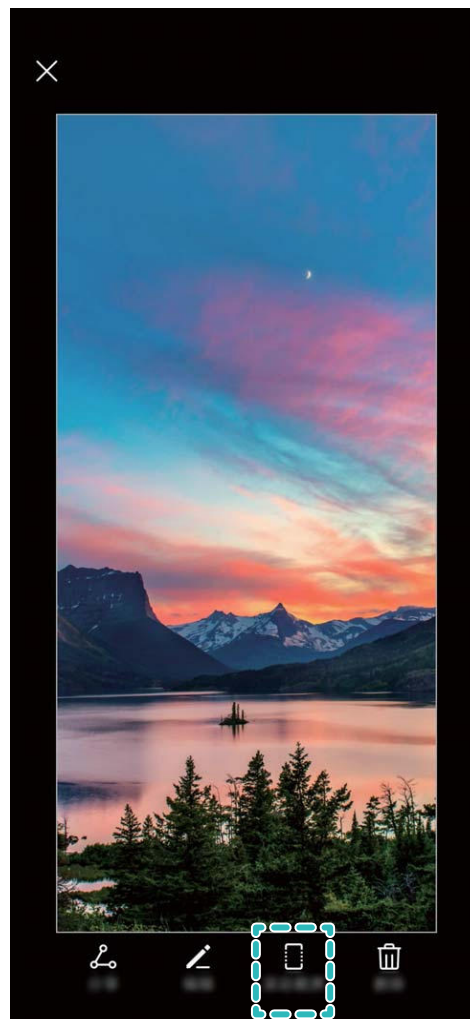
- 1 To enable HiTouch, go to **Settings > Smart assistance > HiTouch**, and enable **HiTouch**.
 - 2 Spread two fingers over a picture or a QR code to enable **HiTouch**. Products will be recommended based on the images. You can select a recommended product to be redirected to a third-party app for details.
-  This feature requires a network connection.
 - This feature is only supported in some countries and regions.

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

- Screen recordings will end if you make or answer a call.
- If you are making an audio recording on your Phone before starting a screen recording,  will be disabled by default.
- Touching  during a recording will enable or disable the microphone.
 - Enable microphone: You can record the ambient sounds and the system sounds of your Phone (system sounds can be played via the speaker).
 - Disable microphone: You are unable to record the ambient sounds, but you can still record the system sounds of your Phone (system sounds can be played via the speaker).
 - Disable microphone and turn off the sound: The screen will be recorded in silence.

Use shortcut to start recording: Swipe down from the status bar to open the notification panel, then touch  to start a screen recording. You can turn  on or off according to your requirements. To end the recording, touch the red timer in the upper left corner of the screen.



Use key combination to start recording: Simultaneously press and hold the **Power** button and **Volume up** button to start a screen recording. You can turn  on or off according to your requirements. To end the recording, simultaneously press and hold the **Power** button and **Volume up** button again.



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

Take a Screenshot of Your Entire Screen

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

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

Split-screen

Enable Split-Screen Mode

Want to chat with a friend while watching a movie at the same time? Split-screen mode can help you multitask by separating your screen into two panes, allowing you to display and operate two different apps simultaneously.

-  Whether you can enable split-screen mode depends on your Phone hardware and the capabilities of the apps you wish to run. Therefore, split-screen mode can only be enabled for certain apps.

Use the Recents key to enable split-screen mode: Open an app that supports split-screen mode, and then touch and hold .

 For devices featuring a front navigation button, the virtual navigation bar is disabled by default. If you want to enable the virtual navigation bar, go to **Settings > System > System navigation > Three key navigation > Settings**. After enabling the virtual navigation bar, the front navigation button will be disabled. There will be no response from your Phone if you touch and hold or swipe the front navigation button.

Other methods: Touch  on the navigation bar to enter the recent tasks screen. Alternatively, if you are using **Gestures**, you can swipe up from the bottom of the screen and hold your finger to enter the recent tasks screen. Then, select an app that supports split-screen mode and touch  on top of the app.

Exiting split-screen mode

How to exit split-screen mode.

To exit split-screen mode, touch  and select .

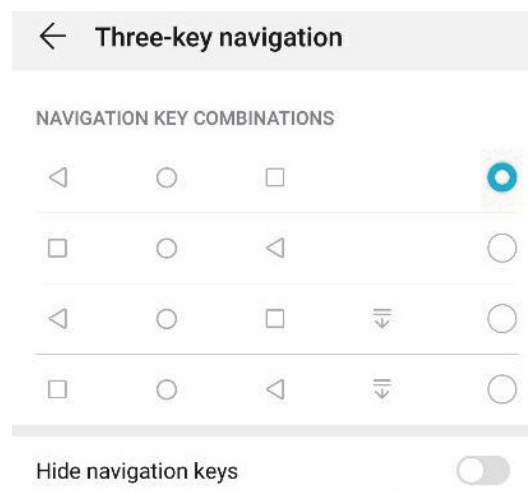
Home Screen

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.
-  **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

Use the Recent key (one of the virtual navigation keys) to quickly switch between or close background apps.

Touch  to view, close, lock, or switch between background apps.

- **View recently used apps:** Swipe left or right on the app list to check the recently used apps.
- **Switch to a recently used app:** Swipe left or right on the app list to find the app you want to use, and touch the app preview.

- **Close an app:** Swipe up on an app preview to close the app.
- **Close all the unlocked apps:** Touch  to close all the unlocked apps.
- **Lock an app:** Swipe down on an app preview to lock the app, and the  icon will appear on the top of the locked app. This app will not be cleared when you touch . Swipe down again on the app preview to unlock the app, and the  icon on top of the app will disappear.

Navigate with Gestures

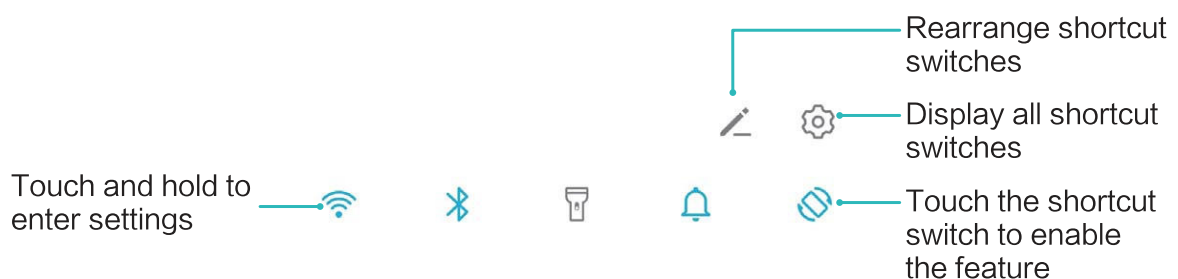
Navigate with gestures to quickly go back to the previous screen, return to the home screen, or view recent tasks.

Open  **Settings**, go to **System > System navigation**, and select **Gestures**. You can:

- **Go back to the previous screen:** Swipe inward from the left or right edge of the screen.
- **Return to the home screen:** Swipe upwards from the bottom of the screen.
- **View recent tasks or end a task:** Swipe upwards from the bottom of the screen and hold to view recent tasks. Swipe up on an app preview to close an app, or touch  to close all apps.

Use Shortcut Switches to Quickly Enable Frequently Used Features

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



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 Phone, including its network connection, battery level, and any new messages received when your Phone 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		Optimizer 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 Phone, the relevant icon will be displayed in the status bar.

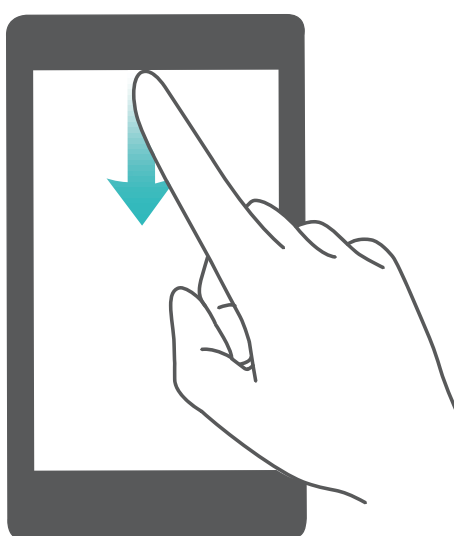
	Missed calls		New emails
	Downloading data		New voicemails
	Events reminder		Uploading data
	Synchronizing data		Memory full
	Sign-in or synchronization problem		Synchronization failed
	VPN connected		More notifications

Open the Notification Panel to Get Important Information

Check the notifications and the operating status of your Phone 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.



Customize Notification Settings

Customize 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.

Screen Lock and Unlock

Set a Lock Screen Password to Protect Your Privacy

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

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

- **Set a PIN:** A PIN number is a sequence of digits. Entering a PIN to unlock your Phone is quick and simple. For better security, use a long sequence of random numbers as your PIN. Go to **Set lock screen password**, follow the prompts to set up a PIN. Alternatively, touch **Change unlock method**, and set **4-digit PIN** or **Custom PIN**.
- **Set a pattern:** Unlock your Phone by drawing a preset pattern on the screen. For better security, use a pattern that includes overlapping line segments. Go to **Set lock screen password > Change unlock method > Pattern** and draw the same pattern twice. The pattern must connect at least 4 dots.
- **Set a password:** A password made up of numbers, letters, and special characters is more secure than a PIN or pattern. For better security, use a password with 8 or more characters that includes numbers, letters, and special characters. Be sure to memorize the password so that you don't get locked out of your Phone if you forget it. Go to **Set lock screen password > Change unlock method > Password**, follow the prompts to set up a password.
- **Unlock your device using a smart band:** If your device supports unlocking with a smart band, the screen will automatically light up when the band comes within 80 cm of your device. Swiping on the screen of your Phone will instantly unlock the device. Touch **Smart unlock**, and follow the onscreen prompts to complete the setup.
-  **For security reasons, please do not disable the lock screen password:** A lock screen password prevents unauthorized access to your device. For the security of your device, do not select **Disable lock screen password** as the screen lock method.
- **Regular password prompts help you to remember your password:** If you have not entered your screen lock password for 3 days, the system will require that you enter the password to unlock your device.

Lock the Screen to Quickly Secure Your Phone

If you don't use your Phone for a set period of time, the screen will turn off and lock. As long as the screen stays on, you can use your Phone without needing to unlock the screen. Lock

your screen when you are not using your Phone to protect your privacy and prevent mistaken inputs.

- **i** 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.

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

Go Back to Basics with Simple Mode

Does your home screen look cluttered with app icons and small text? Simple mode maximizes the system volume and displays larger icons and fonts on the home screen, adopting a more concise layout which is easy to navigate.

Open  **Settings**, go to **System > Simple mode**, and touch **Enable**.

In Simple mode, you can:

- **Edit home screen icons:** Touch and hold any icon to drag or uninstall certain non-system apps.
- **Exit Simple mode:** Touch **Settings** and select **Exit Simple mode**.

- **i** In **Simple mode**, go to **Settings > More settings > System > Reset > Reset all settings**. You will be directed to the default system home screen and all your settings in **Simple mode** will be reset.

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 Phone 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 Phone vibrates, then touch **Uninstall**.

- **i** 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 Phone 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**.

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

Set Your Home Screen Wallpaper

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

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

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

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

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.

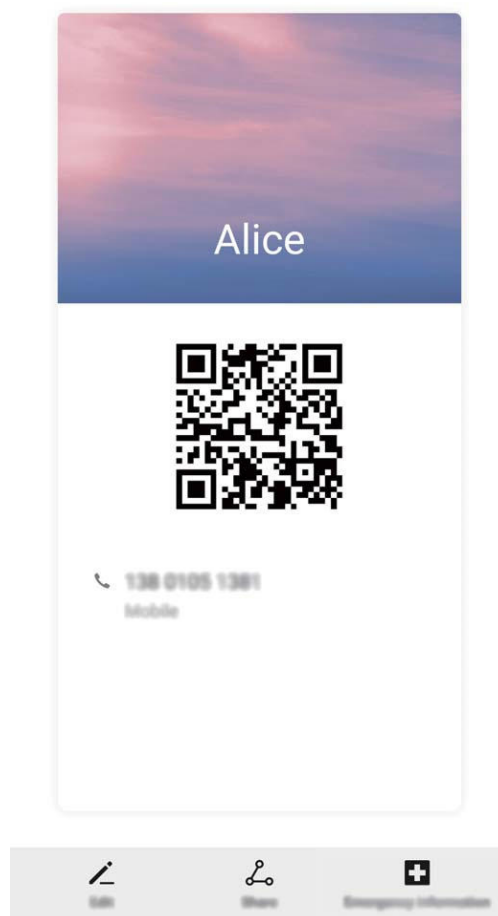
Open  **Settings**, go to **Home screen & wallpaper > Home screen style**, and select **Drawer**. If you want to switch back to a standard home screen, select **Standard**.

 **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

Share Contacts Using Electronic Business Cards

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



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

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

Search Contacts

Open  **Contacts**. Use any of the following search methods:

-  For better results, make sure your device is displaying all contacts. From the contacts list screen, go to  > **Settings** > **Display preferences** and touch **All contacts**.
- Drag the index on the right to quickly scroll through the contacts list.
- In the search bar at the top of the contacts list, enter the contact's name, initials, phone number, or email address. The search results will be displayed below the search bar. Enter multiple keywords for your search, such as "John London", to quickly find matching contacts.

Managing Contacts

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 **Optimizer**. Go to **Blocked** >  > **Blocklist**, touch , and add the contacts you want to block.

To add contacts to the trustlist, open **Optimizer**, go to **Blocked** >  > **Trustlist**, 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  **Optimizer**, and go to **Blocked** >  > **Blocklist**.

View contacts in the trustlist: Open  **Optimizer**, and go to **Blocked** >  > **Trustlist**.

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 **Optimizer**. Go to **Blocked** >  > **Blocklist**, then touch and hold the desired contact to remove it.

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

Dialing

Basic Calling Functions

Make Calls

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

Open  **Phone**. From the dialer 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 dialer screen.

Press the Power button to hang up: If a number has been dialed 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 **Phone** screen, go to  > **Settings** > **More**, and enable **Power button ends call**.

Make Emergency Calls

In an emergency situation, if your Phone is powered on and in service, emergency calls can be made even if the screen is locked or there is no reception.

 The emergency call feature is subject to local regulations and your Internet service provider. Network or environmental factors may affect emergency call performance. In emergency situations, do not rely on your Phone as your only method of communication.

Open  **Phone** or touch **Emergency** on the lock screen, enter a local emergency number, and touch . Strong mobile reception and an Internet connection with location services enabled will allow your location to be displayed on your Phone for reference.

Enable Call Waiting to Never Miss Important Third-Party Calls

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

 Some carriers may not support this feature.

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

Enable Call Forwarding and Never Miss a Call

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

 Some carriers may not support this feature.

Open  **Phone**, 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.

Set a Video Ringtone

Set a video ringtone for all incoming calls: Open  **Phone**, go to  > **Settings** > **Ringtone**, touch **Video ringtones**, then select a video.

Set a video ringtone for an individual contact: Open  **Phone**, touch the **Contacts** tab at the bottom of the screen, then select a contact. On the contact details screen, go to **Ringtone** > **Video ringtones** and select a video.

Use International Roaming

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

- 1 Contact your mobile carrier to enable the international toll or international roaming service.
- 2 Open  **Phone** or  **Contacts** to 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 carriers may not support this feature.

Enable VoLTE to Enjoy HD Calls

- Some carriers 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 carrier network), you can:

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

After the setting is complete, select the contact you want to call and touch  to make a video call. You can also touch  on the screen during a voice call to switch to a video call.

Use VoWi-Fi for a New Calling Experience

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

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

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

Camera

Basic Camera Functions

Use Basic Camera Features

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

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.

Enable or disable AI photography: In the viewfinder, touch  to enable or disable **AI photography**.

Record Videos with Your Camera

 The availability and functionality of certain features may vary according to the device model, due to software and hardware differences.

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

- To set the video resolution, from the **Video** screen, go to  > **Resolution** and select a resolution.
- **Stabilizer** is supported during video recording at any resolution.

Take a picture while recording: Touch .

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 in or out, a zoom slider will appear. Slide it up or down 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.

Shoot an AI video: Use the AI movie mode to add a film filter to the video. Touch , and select effects such as **AI color** or **Background blur** to film an AI video.

 During recording, touch  to take a photo with AI film effects.

Add a sticker to a video: On the **Video** screen, touch , and enable **Add Stickers**.

Adjust Camera Settings

Open  **Camera** and touch  to access the **Settings** screen. From here you can:

- **Adjust the camera resolution:** Touch **Resolution** and select the desired resolution.
 This feature is not available in some modes.
- **Enable Location tag:** Enable **Location tag** to tag your location in photos.
- **Disable shutter sound:** Enable **Mute**.
- **Capture smiles:** Enable **Capture smiles**. The camera will take a photo automatically when it detects a smile in the viewfinder.

Use an Assistive Grid to Compose Your Photos

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

Open  **Camera**, touch  to enter the **Settings** screen, and enable **Assistive grid**. Grid lines will now appear when you take photos. 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.



Set up the Pop-up Front camera

Your Phone comes with a pop-up front camera. You can:

- **Enable the front camera:** Open **Camera** and switch to the front camera. The front camera will automatically pop up.
 - **Disable the front camera:** Switch to the rear camera or exit **Camera**. The front camera will automatically retract. Alternatively, you can press the top of the front camera to retract it and exit **Camera**.
 - **Set pop-up sound:** Open  **Settings**, go to **Sounds > More sound settings**, and enable or disable **Pop-up/Retract camera** as required.
-  To prevent damage, the front camera automatically retracts when it detects that the phone is dropping. The responsiveness of this feature is subject to drop height.

Use Portrait Mode to Shoot Like a Pro

Go to  **Camera > Portrait**, adjust the following settings, then touch  to take a portrait.

- **Blur and lighting effects:** Touch the  icon in the viewfinder and select a blur or lighting effect.
-  A light source (such as a neon or street light) in a relatively well-lit background will contribute to better results. Taking photos at long distance will reduce the effect.

- **Beauty effect:** Touch  in the viewfinder and drag the slider to adjust beauty settings. A larger value will produce a more distinct beauty effect.
-  To disable the beauty effect, touch the  icon in the viewfinder and drag each setting to its lowest value.

Use Wide Aperture Mode to Highlight Your Shooting Subjects

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

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

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

Use Panorama Mode to Take Panoramic Photos

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

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

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

- 1 Go to  **Camera > More > Panorama**.
- 2 Touch  at the bottom of the screen to configure the shooting direction.
- 3 Hold your Phone steady, and then touch  to start shooting. Slowly move the Phone in the direction indicated, holding the device steady and ensuring that the arrow stays level with the center line.
- 4 Touch  when you are finished. The camera will automatically stitch the photos together to create a panorama.



Pro Mode

Use Pro Mode to Take Scenic Photos

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

Adjust metering based on the subject of the shot: On the Pro mode screen, touch  and select a metering mode accordingly.

Metering Mode	Application Scenario
Matrix	The subjects are broad landscapes and seas.
Center	The subject is in the center and stands out from the background.
Spot	The subject to be highlighted is relatively small, such as a flower or a tree.

Adjust brightness based on the shooting environment:

- **Adjust ISO:** On the Pro mode screen, touch ^{ISO} and adjust the slider.
 To avoid excessive image noise, an ISO value below 400 is recommended. The recommended ISO value for the daytime is between 100 to 200, but may exceed 400 for some night scenes.
- **Adjust shutter speed:** On the Pro mode screen, touch ^S (shutter speed) and adjust the slider.
 The recommended shutter speed for static scenes (such as mountains) is between 1/80 and 1/125 of a second. For moving scenes (such as waves), select a relatively fast shutter speed and use a tripod for best results.
- **Adjust EV compensation:** On the Pro mode screen, touch ^{EV} and adjust the slider.

Adjust AWB: On the Pro mode screen, touch ^{AWB} and adjust the slider.

- When shooting in bright sunlight, select . In low light environments, select .
- Touch to adjust the color temperature. If you want to give your photo a warm, cozy, nostalgic tone, increase the K value. For a cool, calm, or futuristic tone, reduce the K value.

Select Focus mode based on the subject of the shot: On the Pro mode screen, touch and adjust the slider.

Focus 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)

Keep your device steady when shooting: On the Pro mode screen, touch and enable **Horizontal level**. A horizontal guiding line will appear on the viewfinder. If a dotted line appears, the camera is not yet parallel with the horizontal level. When the dotted line overlaps with the solid line, the camera is now parallel with the horizontal level.

- In Pro mode, changing a specific setting will sometimes cause other settings to change as well. Adjust them according to your actual requirements.
- The recommended settings above are for reference only. Adjust them according to actual usage conditions to achieve your desired effect.

Use Pro Mode to Shoot Portraits

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

Select a Metering mode: or mode is recommended for taking portraits. Place your shooting subject (for example, a person's face) in the center of the viewfinder.

Adjust brightness based on the shooting environment:

- **Adjust ISO:** To avoid excessive image noise, it is recommended that you adjust the ISO to a low level when shooting portraits. You may adjust the ISO based on the actual shooting environment.

Shooting Environment	Recommended ISO
Outdoors	Between 100 and 200
Indoors	Around 400
Night scenes	Between 400 and 800

- **Adjust shutter speed:** Reduce the shutter speed in low light conditions, and increase it in bright light conditions. The recommended shutter speed for static portraits is between 1/80 and 1/125 of a second. To shoot moving subjects, select a shutter speed at or above 1/125 of a second.

- **Adjust EV compensation:** Increase the EV compensation in low light conditions, and decrease it in bright light conditions.

Adjust AWB: Select AWB depending on the lighting conditions. When shooting in bright sunlight, select  . In low light environments, select  .

Adjust focus: To better highlight a subject, use manual focus (MF) when shooting portraits. In the viewfinder, touch to focus on the part you want to highlight (the subject's face, for example).

-  In Pro mode, changing a specific setting will sometimes cause other settings to change as well. Adjust them according to your actual requirements.
- The recommended settings above are for reference only. Adjust them according to 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 color, such as a small torch or glow stick.
- Place your device on a tripod or solid surface so that it does not move during the exposure.

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

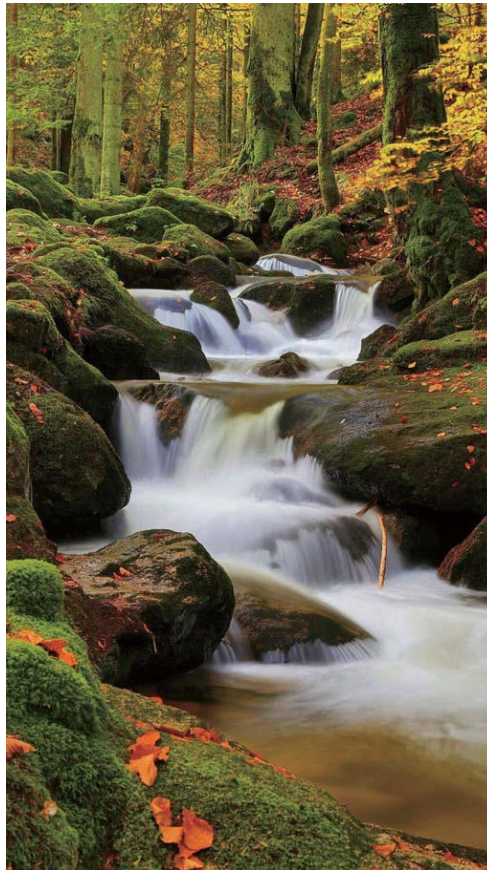


Capture Rivers and Waterfalls with Silky Water

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 Phone 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 Phone 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.

- i • 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.
 - i 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**, go to **More > Moving picture**, 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 HONOR 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

Photo Recognition Helps You Sort Photos Intelligently

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

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

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

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

Edit Photos

Crop, rotate, and apply a variety of effects (such as graffiti 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.
- **Color splash:** Touch  to select the colors 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**, **Blemish**, **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 color to add graffiti.
- **Add a text element:** Touch  to select an element style and font format.

Organize 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: Open an album, 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 favorites: Open a photo or video, then touch . The item will appear in both its original album and the **My favourites** album, and will have a  icon on its thumbnail.

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 be temporarily moved to 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 in the **Recently deleted** album, 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.

Optimizer

Use Optimize

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

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

Manage Mobile Data Usage

Manage mobile data usage to avoid incurring extra charges.

Open  **Optimizer** 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  **Optimizer**, touch  , then touch **Optimize battery usage**. The system will analyze your current battery usage and suggest ways that you can optimize it. You can also select other power saving modes:

- **Power saving mode:** Enable **Power saving mode**, and then the  icon will be displayed in the status bar. This mode reduces power consumption by limiting background app activity, visual effects, and sounds.
- **Ultra power saving mode:** Enable **Ultra power saving mode**. This mode strictly controls background app battery usage by allowing only Dialer, SMS, Contacts, and other user-specified apps to run in the background and disabling all system apps except Wi-Fi and mobile data.
- **Enable Smart resolution to save power:** Touch **Screen resolution** and then enable **Smart resolution**. Your Phone 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.

The following options are also available:

- **View power consumption details:** Touch **Battery usage** or **Power consumption details**.
 In the **Power consumption details** section, colored 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.
- **Display remaining battery percentage in the status bar:** Enable **Battery percentage** and select a display mode.
- **Check battery usage of power-intensive apps:** Go to **More battery settings > Power-intensive apps**. Disable apps that are not in use.

Use Auto-launch to Prevent Unwanted App Activities

Worried about third-party apps secretly running, occupying system resources, and consuming power in the background? Use Auto-launch to help you identify and prohibit unwanted app activities.

Open  **Optimizer**, touch  > **App launch**, and you can:

- **Automatically manage apps:** Enable **Manage all automatically** or toggle on the switches for individual apps. The system will automatically analyze app usage and prohibit apps from automatic launch, secondary launch, and background running.
- **Manually manage apps:** If you have not enabled **Manage all automatically**, touch the switch of a desired app and enable or disable automatic launch, secondary launch, and background running accordingly.
- **View launch records:** Go to  > **Launch records** to view the detailed launch history for each app.

Email

Manage Email Accounts

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

Open  **Email**. You can:

- **Check emails:** On the **Inbox** screen, touch , and then select an email account to view the list of your emails. Swipe down to refresh the list of emails. Open an email to read, reply, forward, or delete it. Swipe left or right on the screen to view the previous or next email. To delete multiple emails, touch and hold an email to go to the email management screen, select the emails, and touch .
- **Sync emails:** Swipe down on the **Inbox** screen to refresh the emails list. Go to  > **Settings**, touch an account, and then enable **Sync email**. To sync automatically, touch **Sync frequency** and select the syncing time to complete configuration.
- **Search emails:** On the emails list screen, touch the search bar, and enter a keyword, such as email subject and content.
- **Add multiple email accounts:** Go to  > **Settings** > **Add account**, select your email service provider, and enter your information.
- **Switch between email accounts:** On the emails list screen, touch , and then touch an account name to switch to.
- **Configure email accounts:** On the emails list screen, go to  > **Settings**, select an account to set **Account name**, **Default account**, and **Remove account**.

Manage VIP Email Contacts

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

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

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

Import Important Events to Calendar

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

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

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.

Import To-Dos to Keep Your Work Organized

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

Import meeting reminders: Open  **Calendar**, go to  > **Manage accounts** > **Add account**, and follow the onscreen prompts to add your work emails (Exchange account) to the calendar to check meeting reminders.

Share an event: Touch an event on the calendar or under schedule, then touch  and follow the onscreen prompts to share the event using any of the multiple methods.

View Global Holidays

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

 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.

Display the time in two different regions: Open  **Settings**, and then go to **System > Date & time**. Enable **Dual clocks**, and set **Home city** to display the time in the region where you are currently located and the time in your home city on the lock screen.

-  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 favorites? 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 favorites: Want to add a note to favorites 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 favorites 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 colored tags to categorize 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 Phone usage habits.

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

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

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

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.

Phone Clone

Data Backup to a USB Storage Device

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

Open  **Settings**, go to **System > Backup & restore > Data backup > External storage > USB storage**, then touch **BACK UP**. On the **Select data** screen, select the data you want to back up and touch **Back up**.

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.

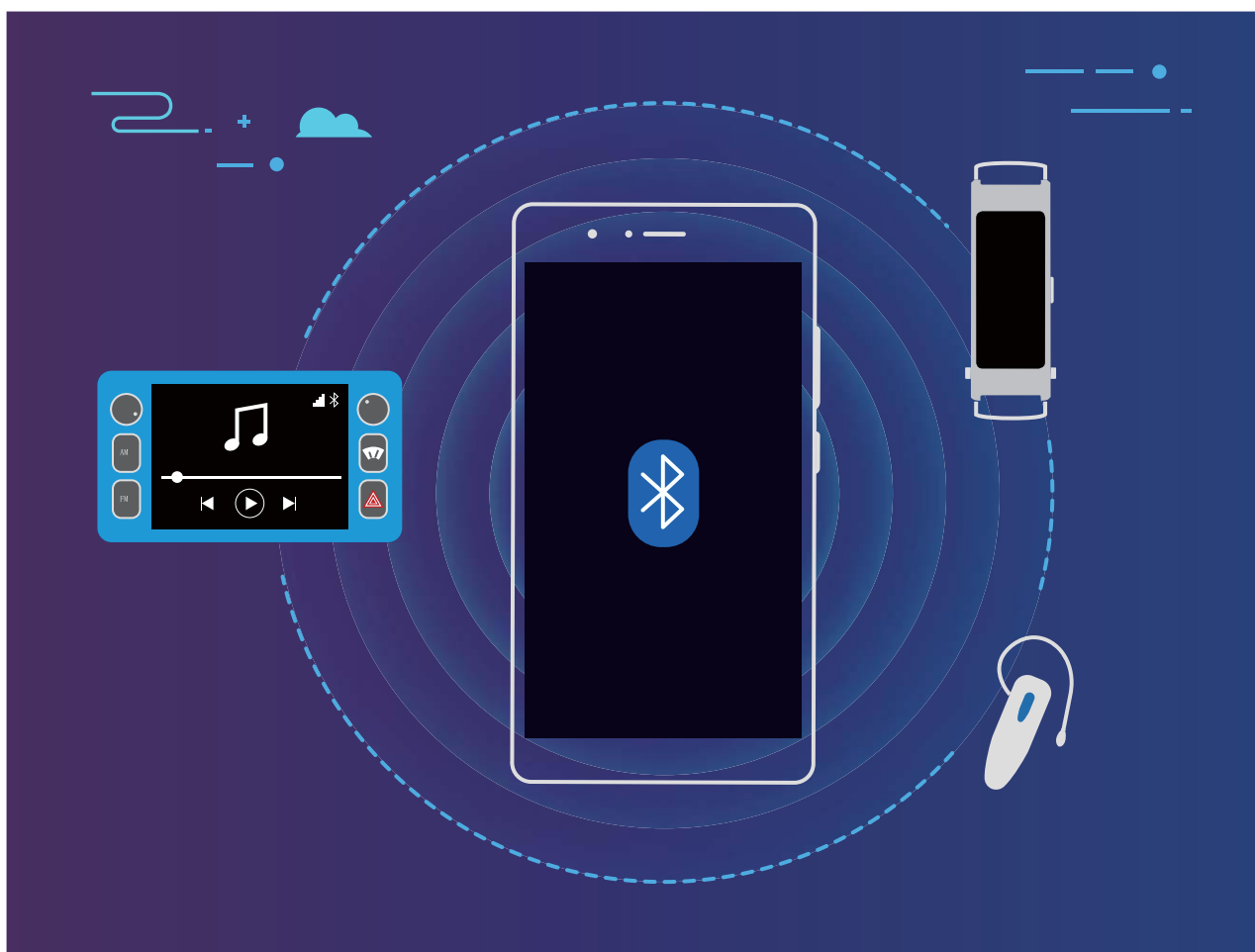
Open  **Settings**, go to **System > Reset > Reset phone**, touch **Reset phone**, enter the screen unlock password (if any), and follow the onscreen instructions to reset the settings.

Device Connection

Bluetooth

Connect Your Phone to Bluetooth Devices

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



Bluetooth protocols used by Huawei devices and their functions:

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

HID	Operate Bluetooth keyboards and mice
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, Phone, and computers.

Use Bluetooth to Share Data

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

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

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

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

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

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

Transfer Data between Your Phone and Computer

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

Select USB connection mode

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

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

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

Transfer data over a USB port

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

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

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

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

Huawei Share

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, both Wi-Fi and Bluetooth are automatically enabled.

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

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

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

One-Touch Printing with Huawei Share

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

- **i** • 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.

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**, then follow the steps below to pair with different types of printers:

- **Wi-Fi printer/Wi-Fi Direct printer:**

- 1 Power on the printer, and make sure that it connects to the same network as your Phone, or that Wi-Fi Direct is enabled.
- 2 Preview the file you want to print on your Phone, and then touch **Share**. Once the printer has been discovered, touch its name, and adjust specifications on the preview screen. Then simply touch **PRINT** to print.

- **Bluetooth printer:** Power on the printer, preview the file you want to print on your Phone, and then touch **Share**. Once the printer has been discovered, touch its name, and adjust specifications on the preview screen. Then simply touch **PRINT** to print.
-  When pairing the Bluetooth printer for the first time, start by making sure your Phone can find the printer, then press the power button on the printer for 1 second to ensure successful pairing.

Security and Privacy

Fingerprint

Introduction to Fingerprint Recognition

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

You can use your fingerprint to:

- **Unlock your screen with a single touch:** Want to avoid the hassle of using PIN codes and patterns to unlock your screen? Use your fingerprint to quickly and securely unlock your screen with a single touch.
- **Access your private files:** Afraid of forgetting your password for the Safe or app lock, or having it fall into the hands of someone you don't trust? Set fingerprint access for the Safe and app lock to keep your files and apps secure and accessible by only you.

Enroll a Fingerprint to Unlock the Screen

You can enroll a fingerprint on your Phone to unlock your screen, access Safe, or use App lock without a password.

- ⚠ • Fingerprint unlock is only available when your unlock method is set to **Pattern, 4-digit PIN, Custom PIN** or **Password**. When your Phone restarts or your fingerprint is not recognized, you will need to use your lock screen password to unlock the device.
- Before enrolling a fingerprint, make sure your finger is clean and dry.

- 1 Open  **Settings**.
- 2 Go to **Security & privacy > Fingerprint ID** and follow the instructions to set or enter the lock screen password.
- 3 Once you have done so, touch **New fingerprint** to enroll a fingerprint.
- 4 Place your fingertip on the fingerprint sensor and hold it there until your Phone vibrates. You can touch it lightly or press down slightly harder, according to your personal preference. Repeat this step using different parts of your fingertip.
- 5 After enrollment is complete, touch **OK**.

To unlock the screen, simply place your finger on the fingerprint sensor. You can also customize the screen unlock method by going to **Settings > Security & privacy > Fingerprint ID > Unlock when screen is off**, and then selecting **Rest finger** or **Press button**.

-  Pressing and holding the fingerprint sensor for 3 seconds will power off your Phone. You are advised not to hold the sensor for too long when using the press to unlock method.
- When the screen is on, simply touch the fingerprint sensor to unlock the screen. If you press the fingerprint sensor, the screen will turn off instead.
- If both fingerprint and facial recognition are enabled, you can use both methods simultaneously to unlock the screen with maximum efficiency.

To set your Phone to vibrate when your fingerprint is not recognized, go to **Settings > Security & privacy > Fingerprint ID**, and enable **Vibrate when fingerprint is not recognized**.

Add or Modify a Fingerprint

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

- 1 Open  **Settings**.
- 2 Go to **Security & privacy > Fingerprint ID**.
- 3 Enter the screen unlock password and then follow the onscreen instructions to enter the fingerprint configuration screen.
- 4 In the **Fingerprint list** section, you can:
 - **Enroll a new fingerprint:** Touch **New fingerprint** to enroll a new fingerprint.
 - **Rename or delete a fingerprint:** Touch a previously enrolled fingerprint to rename or delete it.
 - **Identify a fingerprint:** Touch **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**.
- 3 Enter the screen unlock password and then follow the onscreen instructions to enter the fingerprint configuration screen. Enable **Access safe** and **Access app lock**, and then follow the onscreen instructions to enter the passwords.

Now you can:

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

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

Enable or Disable Location Services

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

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

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

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

Enable App Lock

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

Enable App lock: Open  **Settings**. Go to **Security & privacy** > **App lock**. When you first access App lock, select **Lock screen password** or **Custom PIN** as your **App lock** verification password. Enter your password as prompted and on the **App lock** screen, toggle on the switch for the apps you want to lock.

Set your App lock password: Touch  on the **App lock** screen, then touch **Password type**. Select **Lock screen password** or **Custom PIN**.

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.

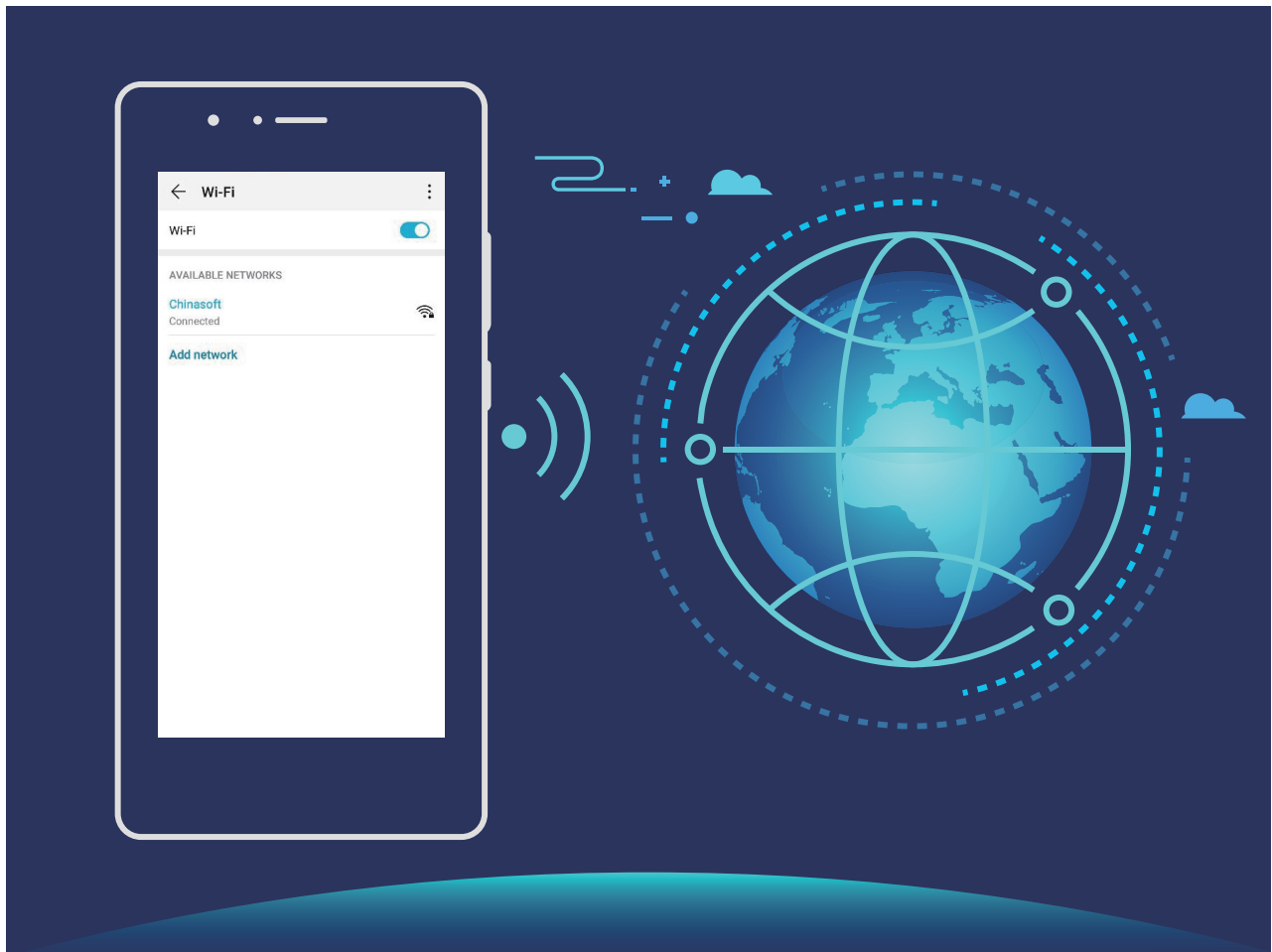
Once you have enabled Wi-Fi+, your device will:

- **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 unauthorized access to your personal data and financial information), please exercise caution when connecting to a public Wi-Fi network.



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

Share a Wi-Fi Network with Wi-Fi Bridge

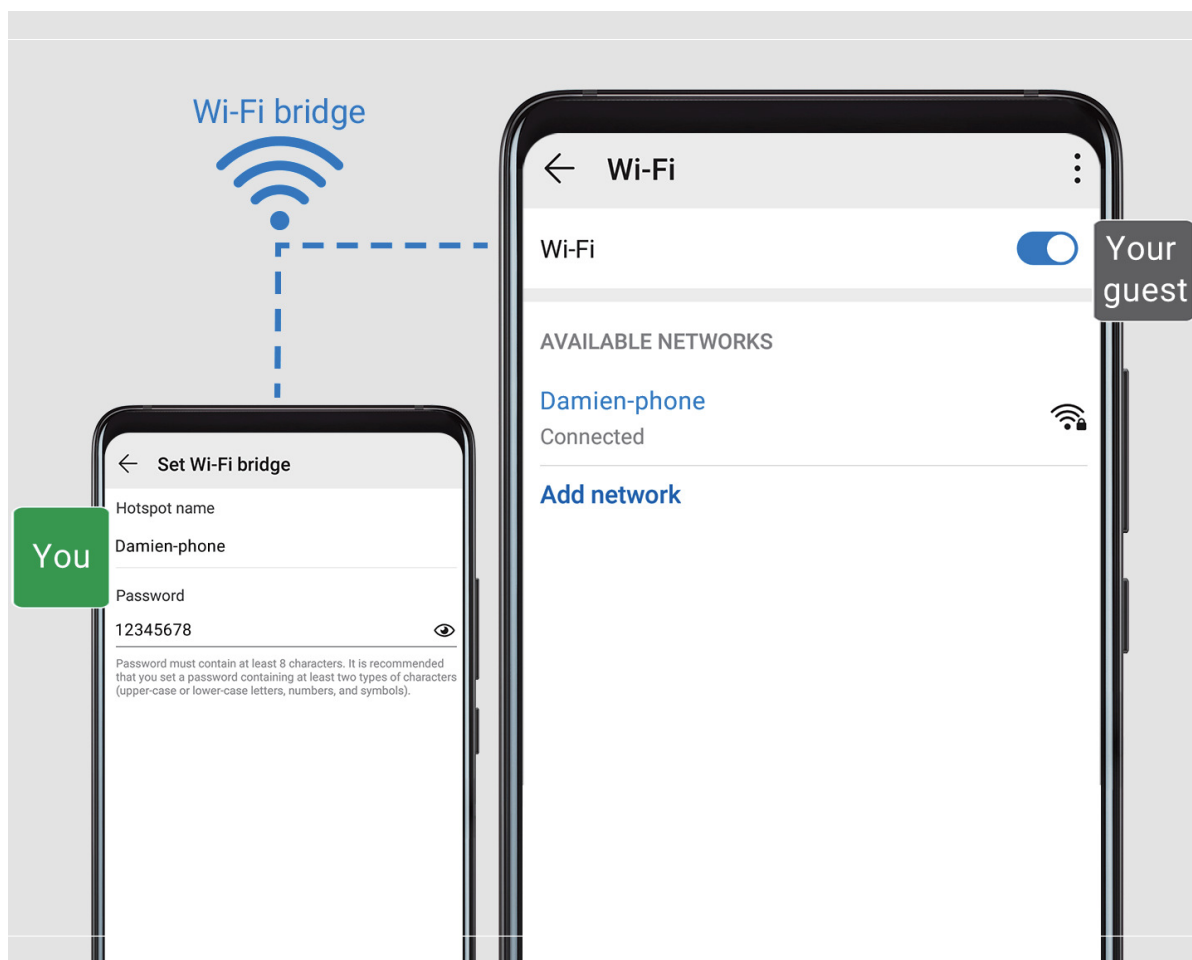
Wi-Fi bridge allows you to share your home Wi-Fi to friends and guests without having to reveal the password to them.

Enable Wi-Fi bridge: Open  **Settings**, go to **Wireless & networks > Personal hotspot > More**, and enable **Wi-Fi bridge**.

Set Wi-Fi bridge: Touch **Set Wi-Fi bridge** to view or set a temporary name and password for the shared Wi-Fi network.

Once you provide your friends or guests with the temporary name and password, they will be able to connect to the network until the feature is disabled.

 Up to 4 devices can be connected to your home Wi-Fi through Wi-Fi bridge at any given time.



Transfer Data Using Wi-Fi Direct

Wi-Fi Direct allows you to rapidly transfer data between Huawei devices. Wi-Fi Direct is faster than Bluetooth and does not require devices to be paired. It is better suited to transferring large files over short distances.



Send files with Wi-Fi Direct: Open  **Files**, touch and hold a file you want to send, and go to **More > Share > Wi-Fi Direct**. When another device is detected, touch its name to establish the connection and begin file transfer.

Receive files with Wi-Fi direct: Enable **Wi-Fi**. In the Wi-Fi settings screen, touch  > **Wi-Fi Direct** to enable detection. When you receive an incoming file prompt, touch **Accept** to begin the transfer. The received file will be saved under **Files** in the **Wi-Fi Direct** folder by default.

Turn Wi-Fi+ On or Off

Open  **Settings**, go to **Wireless & networks > Wi-Fi >  > Wi-Fi+**, and choose to enable or disable **Wi-Fi+**.

-  • Your Phone will automatically connect to the optimal network available after Wi-Fi+ is enabled.
- Wi-Fi+ may automatically switch to your mobile data network, depending on strength of Wi-Fi+ signals in your area. Note that using mobile data to download or view videos and other large files may incur additional data usage fees. To avoid excessive data charges, purchase an appropriate data plan.
- After Wi-Fi+ is enabled, even if Wi-Fi is disabled manually, the device may automatically switch to a Wi-Fi network when it detects a viable Wi-Fi network you have previously connected to.

Connecting to the Internet

Connect to Wi-Fi networks effortlessly with your device.

Connecting to a Wi-Fi network

- 1 Swipe down from the status bar to open the notification panel.
- 2 Touch and hold  to open the Wi-Fi settings screen.
- 3 Switch on **Wi-Fi**. Your device will list all available Wi-Fi networks at your location.
- 4 Select the Wi-Fi network you want to connect to. If you select an encrypted network, you will also need to enter the Wi-Fi password.

Connecting using mobile data

-  Before using mobile data, ensure that you have a data plan with your carrier to avoid incurring excessive data charges.
- 1 Swipe down from the status bar to open the notification panel.
 - 2 Touch  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 personal hotspot to share mobile data: Open  **Settings** and go to **Wireless & networks > Personal hotspot**. Set **Device name** and **Password**, then enable the hotspot to use it.

-  **Set data limit for shared mobile data:** Go to **Settings > Wireless & networks > Personal hotspot > More**, 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 > Personal hotspot > More**, 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 > Personal hotspot > More**, 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 is currently limited to WeChat, QQ Messenger, LINE, Facebook, Snapchat, WhatsApp, and Messenger. Please download and install the latest version of these apps before using the App twin feature.

Touch  **Settings**, and go to **Apps > App twin**. Enable App twin as required.

When App twin is enabled for an app, two app icons are displayed for the app on the home screen. This means that you can log in to two accounts at the same time. Touch and hold the twinned app icon on the home screen to quickly disable App twin.

Customize App Permissions to Use Your Phone Your Way

Worried about third-party apps obtaining too many important permissions and disclosing your personal information? You can monitor the permissions of each app and deny unwanted permissions.

-  Disabling a permission may cause an app function to become unavailable. For example, if the location permission for a map app is disabled, the app will be unable to provide you with location and navigation services.

Set app permissions: Want to deny unwanted permissions? Open  **Settings**, and go to **Apps > Apps**, select the app and touch **Permissions** on the **App info** screen and then enable or disable the unwanted permissions.

Check and modify permissions: Want to check which apps are allowed important permissions? Open  **Settings** and touch **Apps > Permissions**, select the permission you want to view and touch the switch next to an app to allow or deny the permission for that app.

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**, then go to **Sounds > Do not disturb** to do the following:

- **Do not disturb:** Touch **Do not disturb** to immediately enable or disable this function.
- **Schedule rule:** Prevent interruptions at set times, such as weekends or evenings. Touch **Scheduled** to set the time period and repeat cycle.
- **Allow calls from important contacts:** Select **Calls**, then select **Contacts only** or **Favourites only**.
- **Allow messages from important contacts:** Select **Messages**, then select **Contacts only** or **Favourites only**.
- **Allow repeated calls to ring:** **Repeated calls** is enabled by default. Your device will ring when the same phone number calls more than once within 3 minutes.

Enable Eye Comfort Mode

Eye comfort mode can effectively reduce blue light and adjust the screen to display warmer colors, relieving eye fatigue and protecting your eyesight.

Enable Eye comfort: Open  **Settings**, go to **Display > Eye comfort**, then enable **Eye comfort**. The  icon will then 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 yellowish 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 touch  to enable or disable **Eye comfort** mode.

Enable Eye comfort mode on a schedule: Open  **Settings**, go to **Display > Eye comfort**, then enable **Scheduled**. Specify a **Start** and **End** time for **Eye comfort** mode to take effect.

Adjust the color temperature in Eye comfort mode: Once **Eye comfort** mode is enabled, blue light will be filtered out and the screen will take on a mild yellowish tint. This is normal, and you can adjust the color temperature as needed. After you enable **Eye comfort** mode, drag the color temperature slider for a cooler or warmer screen color.

-  After every half hour of screen time, rest your eyes for at least 10 minutes.
 - Look into the distance to adjust the focusing muscles of your eyes and to 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.
- **Adjust the color temperature:** Go to **Color mode & temperature**. You can choose from the pre-set **Default**, **Warm**, or **Cool** options recommended by the system. Alternatively, touch anywhere on the circle or drag the spot to adjust the color temperature manually.
- **Automatically adjust the screen resolution:** Touch **Screen resolution** and enable **Smart resolution**. Your Phone will then automatically adjust the screen resolution to save power.
- **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 Phone 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 Phone running smoothly.

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

Smart Assistance

Access Phone Functions from Anywhere with Navigation Dock

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

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

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

Enable or Disable Mistouch Prevention

Enable Mistouch prevention to prevent unintended operations resulted from accidental touches on the screen.

Go to  **Settings > Smart assistance** to enable or disable **Mistouch prevention** as required.

System

Change Input Method

Change the input method on your Phone according to your personal preference.

Switch input method: Open  **Settings**, go to **System > Language & input > Default keyboard**, and select an input method.

Accessibility

Enable Color Correction

Color correction enables your device to compensate for color blindness.

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

Open  **Settings**, go to **Smart assistance > Accessibility > Color correction**, then enable **Color correction**. Touch **Correction mode** to select the required color correction mode.

General Settings

Change Your System Language

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

Open  **Settings**, go to **System > Language & input > Language and region**, 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. You can also touch **Region** to select the country/region. The system interface is displayed according to the local habits of the selected region.

Set the System Date and Time

If you travel abroad or change your SIM card, your Phone 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 Phone 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.

Set Scheduled Power On/Off

Use the Schedule power on/off feature to power your Phone on and off at set times in order to save power and prevent interruptions while resting.

Open  **Settings**, go to **Smart assistance > Scheduled power on/off**, enable **Scheduled power on/off**, then set the power on and power off times as well as the repeat cycle. Your device will power on and off automatically at the selected times.

To disable **Scheduled power on/off**, toggle the switch off.

View Memory and Storage Status

Unsure of how much memory and storage you have left after using your Phone for a long time? You can view your Phone's memory and storage information to help you monitor your memory and storage use and decide whether to perform a cleanup.

 Not all devices support memory cards.

Open  **Settings**, and touch **Storage** to view the memory usage, and free up more space in a timely manner based on the available storage space.

Clean up space: Select **CLEAN UP**, you can view the usage details of apps. Based on the scan result, you can also manually clean up the system as recommended or specify items to clean up.

System Update

Update the Phone System Online

-  • Before installing the update, connect your Phone to the Internet. Online updates consume mobile data, so it is recommended that you use a Wi-Fi network.
- Make sure that the battery level remains above 30% during the update.
- Using unauthorized third-party software to update your Phone may damage your Phone or put your personal information at risk. You are advised to update your Phone online or bring your Phone and proof of purchase to an authorized Huawei Customer Service Center for updates.
- Back up important data before updating your Phone.
- After the update, certain third-party apps, such as e-banking and game apps, may be incompatible with the new system. Regularly update such third-party apps to fix compatibility issues.

1 Open  **Settings**.

2 Go to **System > Software update**. When the system detects a new version, go to **New version > DOWNLOAD AND INSTALL**.

-  To disable system updates, go to  and disable **Auto-download over Wi-Fi**.

Phone updates take some time. Do not perform any operations during the update. After an update, your Phone will automatically restart.

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