

HONOR 8S

User Guide

HONOR

Contents

Exciting Features

Featured Usage Tips	1
Camera Tips	2
More Features	5

New Device

New Device Configuration	8
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Home Screen

Navigation Bar	11
Notification Panel and Status Bar	12
Screen Lock and Unlock	15
Go Back to Basics with Simple Mode	16
Home Screen Management	17

Contacts

Share Contacts Using Electronic Business Cards	21
Search Contacts	21
Managing Contacts	22

Dialing

Basic Calling Functions	24
VoLTE	25

Message

Basic Messaging Functions	27
---------------------------	----

Camera

Basic Camera Functions	29
Use Panorama Mode to Take Panoramic Photos	32
Pro Mode	33

Gallery

Photo Management	36
------------------	----

Phone Manager

Use Optimize	39
Manage Mobile Data Usage	39
Enable Smart Power Saving Management to Optimize Power Consumption	39
Enable Virus Scanner	40

Email

Add Email Accounts	41
--------------------	----

Manage Email Accounts	41
Manage VIP Email Contacts	42
Import Important Events to Calendar	42
Set Auto Response for Exchange Email	42
Calendar	
Navigate the Calendar	43
Import To-Dos to Keep Your Work Organized	43
View Global Holidays	43
Clock	
Use the Clock	44
Notepad	
Manage Your Notes to Keep Your Records in Order	46
Utilities	
Check Your Screen Time	47
Use Recorder to Make Audio Notes	47
Device Connection	
Bluetooth	48
Transfer Data between Your Phone and Computer	50
Security and Privacy	
Face Unlock	51
Enable or Disable Location Services	52
Enable App Lock	53
More Security Settings	53
Backup and Restoration	
Data Backup to a USB Storage Device	55
Reset Your Phone	55
Wi-Fi and Network	
Wi-Fi	56
Connecting to the Internet	57
Share Your Mobile Network with Other Devices	58
Sound and Display	
Set Up Do Not Disturb Mode	60
Configure Your Sound Settings	60
Enable Eye Comfort Mode to Prevent Eye Strain	61
Change the Display Settings	62
Storage	
Enable Memory Cleanup	63

System

Change Input Method	64
Accessibility	64
General Settings	67

System Update

Update the Phone System Online	70
--------------------------------	----

Legal Notice



Legal Notice	71
Personal Information and Data Security	72

Exciting Features


Featured Usage Tips



Enroll Your Facial Information and Enable Face Unlock

Face unlock allows you to unlock your Phone quickly and securely, without the need of a password.

- ⚠ • Face unlock can only be used when the owner account is logged in. It is not supported by PrivateSpace.
 - Face unlock is not available if the lock screen password has not been entered for three or more days in a row, or if your Phone has been remotely locked or restarted.
 - When using Face unlock, keep your eyes open, and face your Phone straight on from a distance of 20–50 cm (about 8–20 in.). In order to scan your face accurately, avoid using this feature when you are in a dark environment or facing direct light.
 - Currently, only one face can be enrolled. Delete the current facial data to enroll again.
- 1 Open  **Settings**. Go to **Security & privacy > Face recognition > Face recognition** and enter your lock screen password.
 -  If you haven't set up a lock screen password, set one first. Besides the 6-digit PIN, you can set up other types of passwords: **Pattern**, **4-digit PIN**, **Custom PIN**, or **Password**.
 - 2 Selecting **Enable Pick up to wake device to enhance the Face unlock experience** will allow the screen to turn on and unlock when you pick up your Phone and hold it to your face. If you do not need this feature, leave it deselected. Touch **Enroll face**, and enroll your face.
 - 3 Face unlock modes:
 - **Direct unlock**: Turn on your screen. Your Phone identifies your facial features and unlocks your screen.
 - **Slide to unlock**: Turn on your screen. After your Phone identifies your facial features, slide the lock screen to unlock.
 - **Select an unlock method**: On the **Face recognition** screen, touch **Unlock device**. If you select **Direct unlock**, your Phone identifies your facial features and unlocks your screen when the screen is on. If you select **Slide to unlock**, after your Phone identifies your facial features, you can slide the lock screen to unlock. Selecting **Off** will disable Face unlock.
 - **Smart display of lock screen notifications**: Enable **Slide to unlock** and **Smart lock screen notifications**. On the lock screen, your Phone hides notification details and displays them only after recognizing the owner's face.
 - **Access App lock**: Enable **Access app lock** to access App lock and locked apps using Face unlock.

Pick Up to Unlock

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


If you haven't selected **Enable Pick up to wake device to enhance the Face unlock experience** when enrolling facial data, you can open  **Settings**, go to **Security & privacy > Face recognition > Face recognition**, and set the Face unlock method to **Direct unlock**. Then, open  **Settings**, go to **Smart assistance > Motion control > Pick up > Shortcuts & gestures > Wake screen**, and switch it on **Pick up to wake**.





Camera Tips

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.



Use Pro Mode to Take Scenic Photos


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


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


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


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

Adjust brightness based on the shooting environment:


- **Adjust ISO:** Touch , and drag the ISO slider to adjust its value.





 To avoid excessive noise, the recommended ISO is below 400. The recommended ISO for the daytime is between 100 and 200 and around 400 for night scenes.


- **Adjust the shutter speed:** Touch  (shutter speed), and drag the shutter speed slider to your desired speed.

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


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

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

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

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



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

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

Use Pro Mode to Capture Portraits

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

Open  **Camera > More > Pro**.



Select a Metering mode:  or  mode is recommended for taking portraits. Place your shooting subjects (their faces for example) in the center of the viewfinder.

Adjust brightness based on the shooting environment

- **Adjust ISO:** To avoid excessive noises, 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 environments.

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

- **Adjust shutter speed:** The shutter speed should be slow if the ambient light is low and fast when the ambient light is strong. The recommended shutter speed for static portraits is between 1/80 and 1/125. To shoot moving subjects, select a shutter speed at or above 1/125.
- **Adjust EV compensation:** You may increase the EV compensation if the light on the subjects or background is low, and decrease the EV compensation if there is too much light.

Adjust AWB: Select AWB depending on the lighting conditions. When shooting under sunlight, you can select . In a low light environment, you can select .


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


- In Pro mode, some settings may change after you change a setting. You may adjust them based on your actual needs.
- The recommended settings above are for reference only. You may adjust them based on the 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 enable App lock for the first time, set the password and password protection question then enter App lock. On the App lock screen, enable App lock for the apps you want to protect. When accessing a locked app for the first time, you need to enter your password. If you forget your password, touch **Forgot password**, enter the answer to the password protection question, and reset your password. If you have not set up password protection, the **Forgot password** option is not available.

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.

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

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

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



 If you enter the wrong password five times in a row while logging in to App lock, your Phone will remain locked for one minute. Try again after one minute. If you enter the wrong password another three times in a row, you will need to wait 10 minutes to try unlocking again.

Set Your Home Screen Wallpaper

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

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

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


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

Manage Your Home Screen Widgets

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

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




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



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

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

Use App Drawer to Store Apps

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


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


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

Enable TalkBack to Have Onscreen Content Read Aloud

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

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


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

3 Touch  and enable **Explore by touch**. Your device will read aloud content that you touch.

You may have enabled TalkBack by accident. To disable TalkBack, press and hold the Volume up and down buttons for at least three seconds, or press and hold the Power button until your device vibrates, then touch the screen with two fingers for at least three seconds.

Enable Memory Cleanup

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


New Device

New Device Configuration




Connecting to the Internet

Connect to Wi-Fi networks effortlessly with your device.

Connecting to a Wi-Fi network




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

Connecting using mobile data

-  Before using mobile data, ensure that you have a data plan with your 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.


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 - When using Face unlock, keep your eyes open, and face your Phone straight on from a distance of 20–50 cm (about 8–20 in.). In order to scan your face accurately, avoid using this feature when you are in a dark environment or facing direct light.
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 - **Smart display of lock screen notifications:** Enable **Slide to unlock** and **Smart lock screen notifications**. On the lock screen, your Phone hides notification details and displays them only after recognizing the owner's face.
 - **Access App lock:** Enable **Access app lock** to access App lock and locked apps using Face unlock.


Pick Up to Unlock

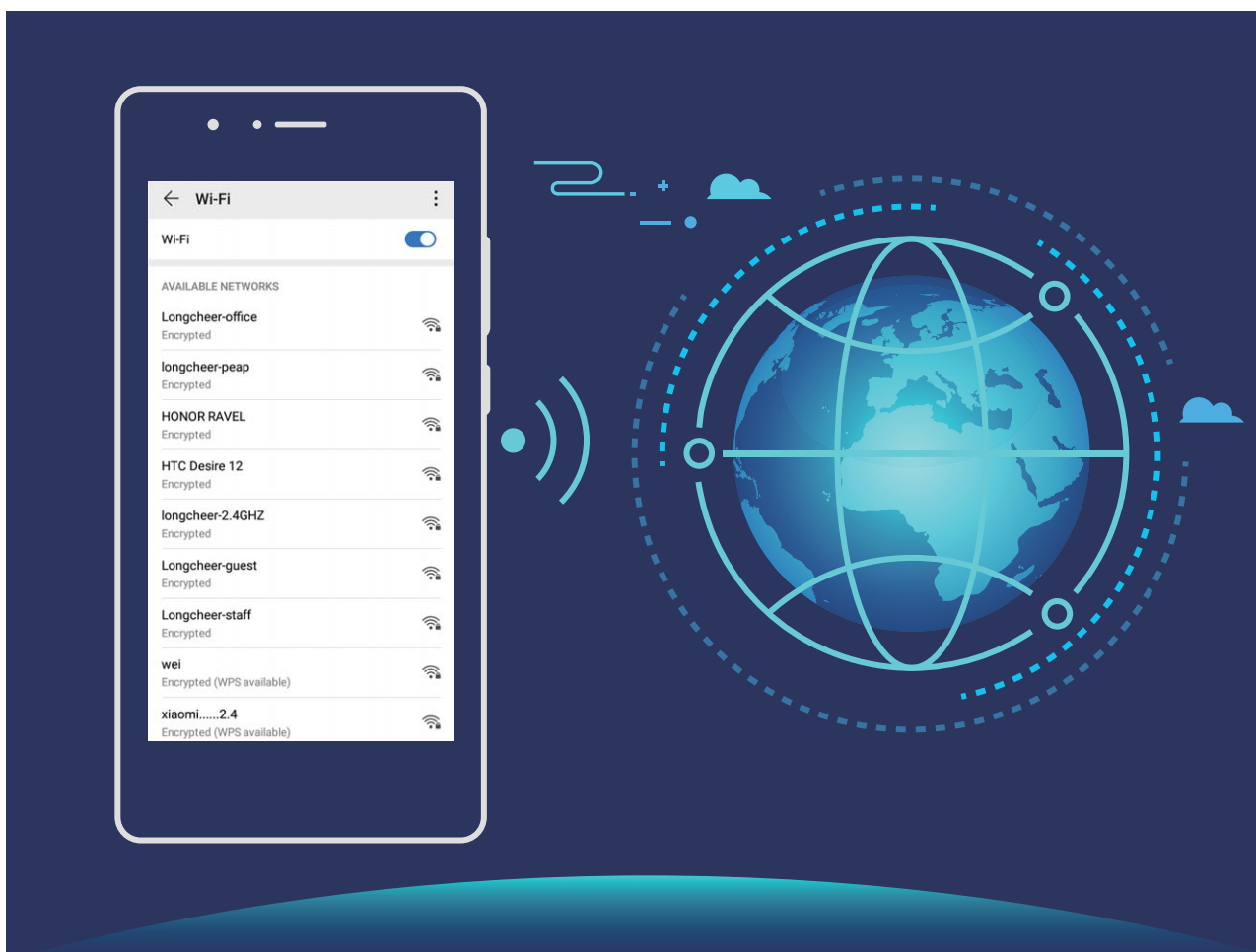
Open  **Settings**, and go to **Security & privacy > Face recognition > Face recognition**. When enrolling facial data, select **Enable Pick up to wake device to enhance the Face unlock experience**, and set the Face unlock method to **Direct unlock**. Once the setup is complete, you can simply raise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


If you haven't selected **Enable Pick up to wake device to enhance the Face unlock experience** when enrolling facial data, you can open  **Settings**, go to **Security & privacy > Face recognition > Face recognition**, and set the Face unlock method to **Direct unlock**. Then, open  **Settings**, go to **Smart assistance > Motion control > Pick up > Shortcuts & gestures > Wake screen**, and switch it on **Pick up to wake**.

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.

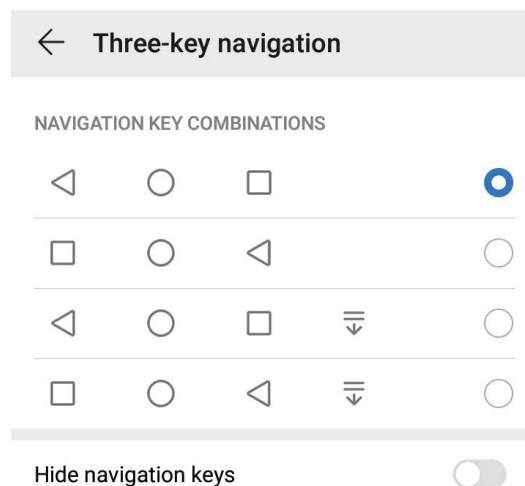
Home Screen





Navigation Bar

Configure Your Navigation Bar Layout

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


To configure your navigation bar layout, open  **Settings**, then go to **System > System navigation > Three key navigation > Settings**, and select the navigation key combination and enable or disable **Hide navigation keys** based on your usage habits.




-  **Back key:** Touch to return to the previous page or exit an app. Touch to close the onscreen keyboard when inputting text.
-  **Home key:** Touch to return to the home screen. Touch and hold to display the Google Assistant icon and swipe upwards on the icon to enable Google Assistant.
-  **Recent key:** Touch to open a list of recently used apps.
-  **Downward swipe notification key:** Touch to open the notification panel.

Use the Recent Key to Manage Background Apps

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

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


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

- **Switch to a recently used app:** Swipe left or right on the screen to find the app you want to use, and touch the app tab.
- **Close an app:** Swipe up on an app tab to close the corresponding app.
- **Close all apps:** Touch  to close all apps.

Navigate with Gestures

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

Open  **Settings**, go to **System > System navigation**, and select **Gestures**. 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.
- **Enable Google Assistant:** Touch **Settings**, and enable **Google Assistant**. Swipe upwards from either of the bottom corners of the screen to enable Google Assistant.







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

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

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

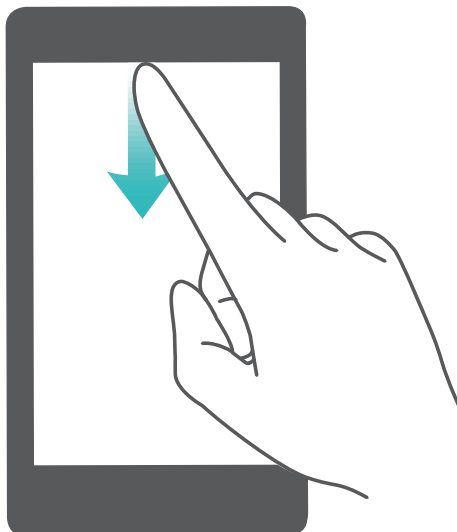
	Missed calls		New emails
	Downloading data		New voicemails
	Events reminder		Uploading data
	Synchronizing data		Memory full
	Sign-in or synchronization problem		Synchronization failed
	VPN connected		More notifications


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.



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

Disable App Notifications


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

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

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

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 notification light:** Enable **Pulse notification light** to show a blinking indicator light when notifications are received.
- **Set the notification style:** Touch **Notification method**, then select **Icons**, **Numbers**, or **None**.

Screen Lock and Unlock

Set a Lock Screen Password to Protect Your Privacy

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

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

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

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

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

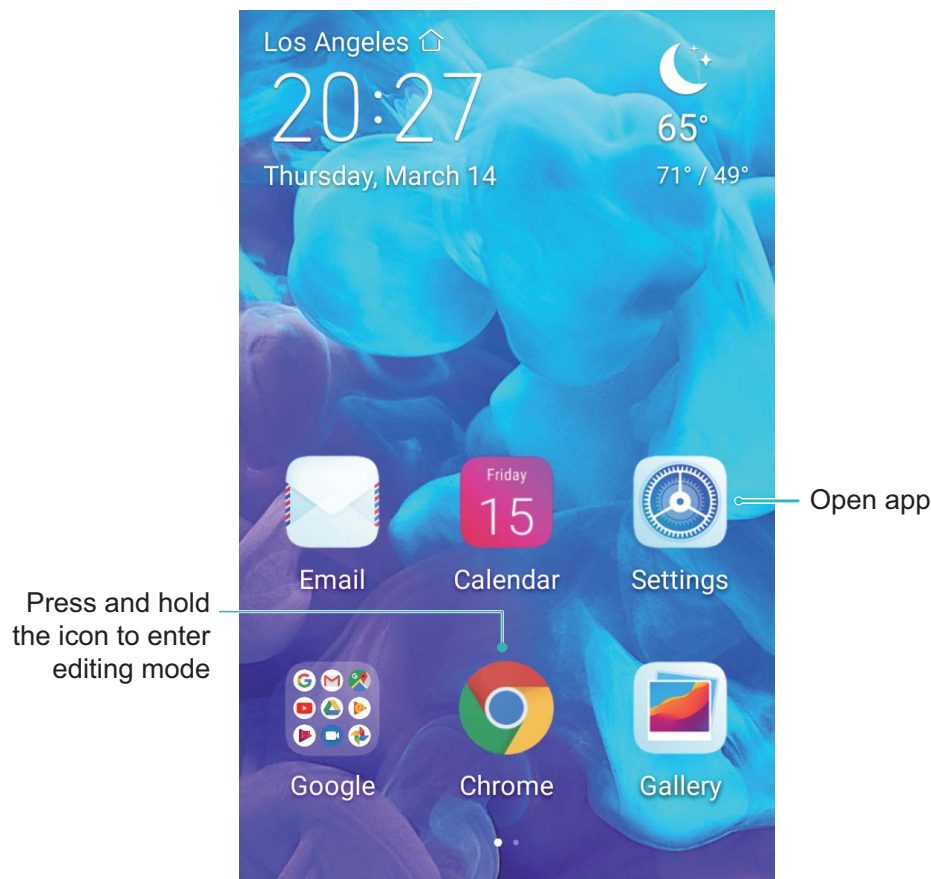
Go Back to Basics with Simple Mode

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 **APPLY** Enable.

In Simple mode, you can:

- **Edit home screen icons:** Touch and hold any icon to enter home screen editing mode, then you can add or remove certain app icons as required.
- **Exit Simple mode:** Touch **Settings** and select **Exit Simple mode**.
- **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

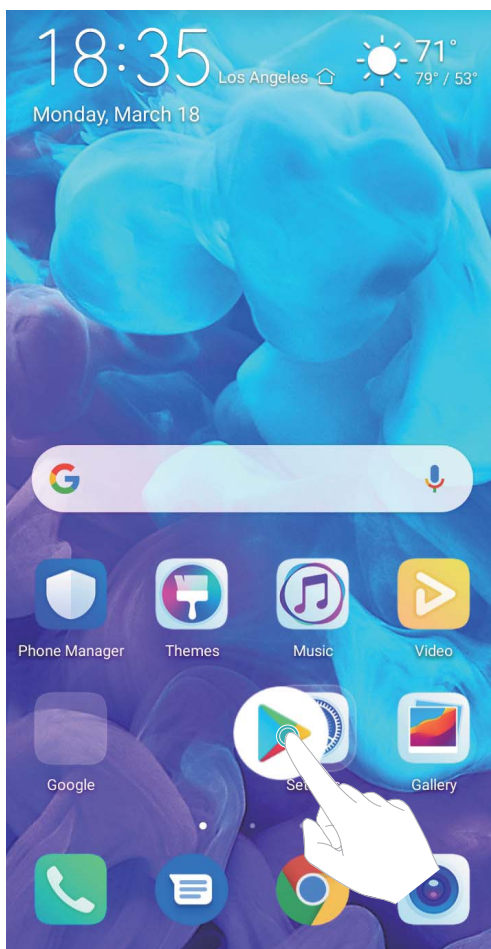
Move an app icon or folder: On the home screen, touch and hold an app or folder icon until your Phone vibrates, then drag it to any position on the home screen.

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**.

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

Manage Your Home Screen

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

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

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

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

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

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



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

Set Your Home Screen Wallpaper

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

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

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

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

Manage Your Home Screen Widgets

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

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




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


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

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

Use App Drawer to Store Apps




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

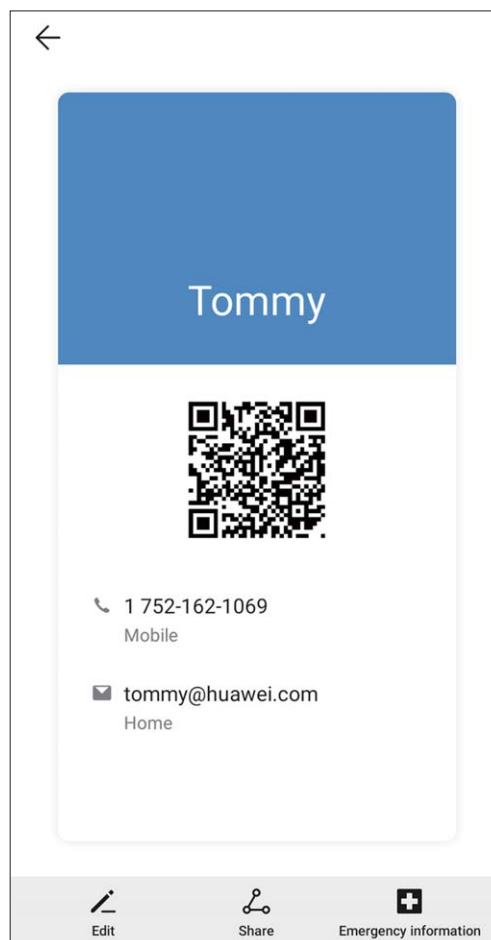
Open  **Settings**, go to **Home screen & wallpaper > Home screen style**, and select **Drawer**. If you want to switch back to a standard home screen, select **Standard**.


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


Contacts

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**.
-  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.
-  If an error occurs while you're searching for a contact, go to  > **Settings** > **Organize contacts** > **Rebuild index data** and touch **OK**.

Managing Contacts

Import and Export Contacts

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


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


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



- **Import contacts:** Select **Import from storage**, **Import via Bluetooth**, or **Import from SIM** and follow the onscreen instructions.
- **Export contacts:** Select **Export to storage**, **Share contacts**, or **Export to SIM** and follow the onscreen instructions. By default, .vcf files exported through **Export to storage** are saved in the root directory of your device's internal storage. Open **Files** to view exported files.


Manage Your Contacts



The Contacts app includes a host of features for managing contacts. Simplify your contacts list by viewing contacts on your Phone or SIM card only. Favorite contacts to find them easily.

Merge duplicate contacts: Use the **Merge duplicate contacts** function to merge duplicate contacts. From the contacts list screen, go to  > **Settings** > **Organize contacts** > **Merge duplicate contacts**. Select the contacts you want to merge and touch **Merge**.



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



- **Enable Simple view:** Go to  > **Settings** > **Display preferences**, and enable **Simple view**.
- **View contact storage space:** Go to  > **Settings** > **Display preferences**. The **Accounts** area displays the total and available storage space on your SIM card.

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

- **Enable Simple view:** Go to  > **Settings** > **Display preferences**, and enable **Simple view**.
- **View contact storage space:** Go to  > **Settings** > **Display preferences**. The **Accounts** area displays the total and available storage space on your SIM card.



Add contacts to Favorites: Favorite contacts with whom you frequently communicate. From the contacts list screen, touch the entry you want to favorite, then touch **Favorite** to add it to the Favorites screen.



Delete contacts: From the contacts list screen, touch and hold the entry you want to delete, then touch **Delete**. To delete contacts in batches, go to  > **Settings** > **Organize contacts** > **Delete multiple contacts**, select the entries you want to delete, then touch .

Delete contacts: From the contacts list screen, touch and hold the entry you want to delete, then touch **Delete**. To delete contacts in batches, go to  > **Settings** > **Organize contacts** > **Delete multiple contacts**, select the entries you want to delete, then touch .

Manage Contact Groups

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



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

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

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

Erase Call and Message Records

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





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


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.



Delete Call Logs

You can delete call logs that you no longer need.

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

- **Delete a single record:** Touch and hold an entry, then touch **Delete entry**.
- **Delete multiple records:** Go to  > **Delete multiple entries**, select the entries you want to delete or **Select all**, then touch .

Use International Roaming

- 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**.

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.

Message

Basic Messaging Functions

Send Messages


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


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


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


Manage Messages

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


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

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

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

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

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

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

Set MMS Message Automatic Download Rules

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

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

From here you can configure the following:

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



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


Camera

Basic Camera Functions


Use Basic Camera Features


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





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**.

Use Camera to Record Videos



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

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



-  **Stabilizer** is supported during video recording at any resolution.




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

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

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

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 **GPS tag** to tag your location in photos.
- **Add watermarks:** Enable **Add watermarks** to allow your Phone to automatically add a watermark to photos and videos.
- **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.
- **Save RAW format pictures:** RAW format records more detail and allows you to perform post-processing. In Pro mode, go to  > **Resolution** to enable **RAW format**. Now when you take a photo, it will be saved in RAW and standard format, and stored in a special folder in **Gallery**.
 RAW format pictures take up more storage space than standard format pictures.

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.

Go to  **Camera** >  to enter the **Settings** screen. Touch **Assistive grid** and select the type of grid or lines you want to use.

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.

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



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







Use Panorama Mode to Take Panoramic Photos

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

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

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



Pro Mode

Use Pro Mode to Take Scenic Photos






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


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




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


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

Adjust brightness based on the shooting environment:


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

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

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

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



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

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

Use Pro Mode to Capture Portraits

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

Open  **Camera > More > Pro**.



Select a Metering mode:  or  mode is recommended for taking portraits. Place your shooting subjects (their faces for example) in the center of the viewfinder.

Adjust brightness based on the shooting environment


- **Adjust ISO:** To avoid excessive noises, 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 environments.

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

- **Adjust shutter speed:** The shutter speed should be slow if the ambient light is low and fast when the ambient light is strong. The recommended shutter speed for static portraits is between 1/80 and 1/125. To shoot moving subjects, select a shutter speed at or above 1/125.
- **Adjust EV compensation:** You may increase the EV compensation if the light on the subjects or background is low, and decrease the EV compensation if there is too much light.

Adjust AWB: Select AWB depending on the lighting conditions. When shooting under sunlight, you can select  . In a low light environment, you can select  .


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


-  In Pro mode, some settings may change after you change a setting. You may adjust them based on your actual needs.
- The recommended settings above are for reference only. You may adjust them based on the actual usage conditions to achieve your desired effect.

Gallery


Photo Management

Edit Videos

Adjust the video resolution: As you drag the slider to select the video segment you want to keep, you can touch  to preview the cropped video. You can also touch the video resolution options on the editing screen to adjust the video resolution.



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







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





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

Edit Photos

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


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

- **Rotate:** Touch  and drag the angle wheel to the desired orientation. You can also touch **Rotate** to rotate your photo 90 degrees or touch **Mirror** to flip it.
- **Crop:** Touch  and drag the grid or its corners to make your selection. You can also select a fixed ratio and drag the corners of the grid to crop the photo.
- **Add filter effects:** Touch  to select a filter.
- **Color splash:** Touch  to select the colors you want to highlight. Other parts of the photo will be black and white.
- **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 watermarks:** Touch  to select a watermark (such as **Time**, **Location**, **Weather**, or **Mood**).
- **Add a text element:** Touch  to select an element style and font format.



Browse and Share Photos or Videos


All photos and videos are stored in Gallery and can be viewed by time, location, or album.

View photos in full screen: Open  **Gallery** and touch a photo to view it in full screen mode.


Touch the screen again to hide the menu. In full screen mode, you can:

- **Zoom in and out:** Spread or pinch together two fingers on the screen to zoom in and out. If a photo has a higher resolution than that of the screen, you can zoom in using two fingers. Once you take your fingers off the screen, the photo can only be enlarged up to twice its original size.
- **View shooting settings:** Touch  and scroll down to view details about the photo in the pop-up box, including ISO (sensitivity), EV (exposure compensation), and resolution.
- **Rename the photo:** Touch  > **Rename** to enter a new name.
- **Set the photo as a home screen wallpaper or contact picture:** Go to  > **Set as**, then select **Wallpaper** or **Contact photo**.


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

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

Switch between daily and monthly views: On the **Photos** tab, separate or pinch together two fingers on the screen to view photos by day or by month.

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


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

Play slideshows: On the **Photos** tab, go to  > **Slideshow** to play slideshows. Touch the screen to pause the playback.

Phone Manager

Use Optimize

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

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

Manage Mobile Data Usage



Manage mobile data usage to avoid incurring extra charges.

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



- **Data usage this month:** Check the data usage 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 Management to Optimize Power Consumption


Smart power saving management helps you effectively extend the battery life of your Phone.

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

- **Comprehensive power consumption analysis and optimization:** Touch **Optimize battery usage** to check for power consumption problems and automatically perform optimizations.
- **View power consumption details:** Touch **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. Touch **Battery usage** to view power-intensive apps and hardware.
- **Display remaining battery percentage in the status bar:** Enable **Battery percentage**.
- **Darken interface colors to save power:** Enable **Darken interface colors** to darken the colors of some app interfaces to reduce power consumption.

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

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

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

Enable Virus Scanner

Accessing unauthorized ads or links may infect your device with Trojans and malware that may secretly install themselves and steal your personal data. Running a virus scan can locate and remove potential threats on your Phone.


Virus scan is enabled by default. To view it, open  **Phone Manager** and touch **Virus scan**. The **Secure** icon indicates that your device is safe.


- **Smart tune-up:** If this option is selected, the system will obtain the latest app configuration data from the cloud to ensure better app performance.
- **Auto-clean junk files:** If this option is selected, the system will automatically identify junk files and permanently delete them after 14 days.
- **Auto-update cleanup database** and **Online virus scan:** Auto-update the cleanup database, or scan for viruses under the conditions of **Wi-Fi only** or **Any network**. Select **Never** to disable these options.

Email

Add Email Accounts

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

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







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

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

Manage Email Accounts

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



Open  **Email**. You can:

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

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

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



Import Important Events to Calendar

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

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

Set Auto Response for Exchange Email




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


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


Calendar


Navigate the Calendar

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

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



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


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

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

Import To-Dos to Keep Your Work 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.

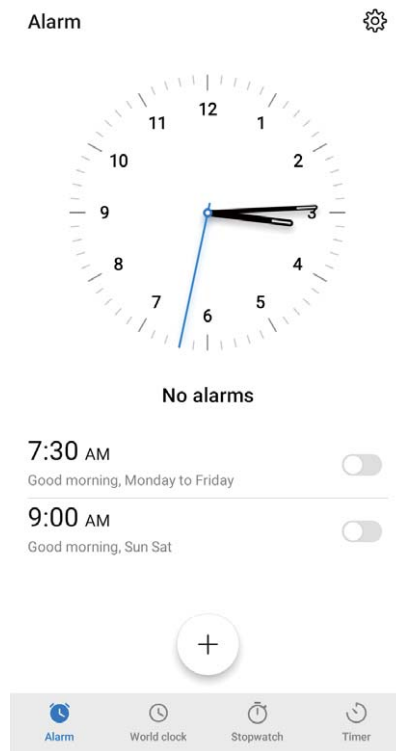
 This feature requires an Internet connection. Connect to a Wi-Fi network to avoid incurring unnecessary data charges.




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


Clock



Use the Clock

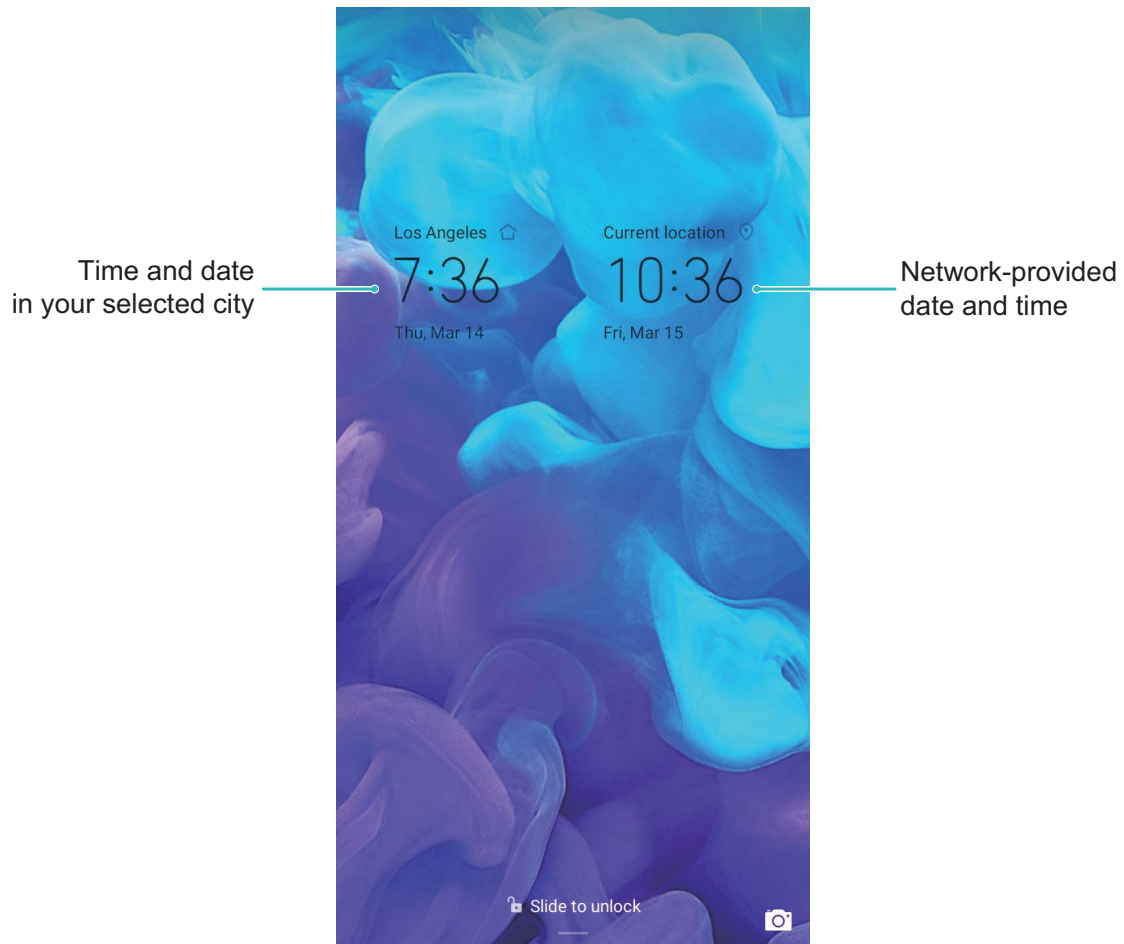
You can find various functions, including alarm, world clock, stopwatch, or timer in Clock.




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

Display the time in two different regions: Open  **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.

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






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



Notepad

Manage Your Notes to Keep Your Records in Order



Want to share important notes or add something to 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 > Digital balance > More**.

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

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



Use Recorder to Make Audio Notes

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

Open  **Recorder**, and touch  to begin recording. While recording, you can add tags at important points. Touch  to finish recording and save the audio file.

After the recording is completed, you can:

- **Play recording from tag:** In the recording file list, touch **New recording**, and then touch a recording to go to the play screen. On the play screen, you can then touch a tag that you have added and play the recording from that point.
- **Manage recordings:** Touch and hold a recording for options such as sharing or deleting the recording.

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

Device Connection

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, tablets, and computers.

Use Bluetooth to Share Data


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

Use Bluetooth to send files: Ensure that your Phone is within Bluetooth range of the other device (10 m or 32 ft). You can then establish a Bluetooth connection and share multimedia files, web pages, contacts, documents 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.

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.

Security and Privacy

Face Unlock


Enroll Your Facial Information and Enable Face Unlock


Face unlock allows you to unlock your Phone quickly and securely, without the need of a password.

- ⚠ • Face unlock can only be used when the owner account is logged in. It is not supported by PrivateSpace.
 - Face unlock is not available if the lock screen password has not been entered for three or more days in a row, or if your Phone has been remotely locked or restarted.
 - When using Face unlock, keep your eyes open, and face your Phone straight on from a distance of 20–50 cm (about 8–20 in.). In order to scan your face accurately, avoid using this feature when you are in a dark environment or facing direct light.
 - Currently, only one face can be enrolled. Delete the current facial data to enroll again.
- 1 Open  **Settings**. Go to **Security & privacy > Face recognition > Face recognition** and enter your lock screen password.
 -  If you haven't set up a lock screen password, set one first. Besides the 6-digit PIN, you can set up other types of passwords: **Pattern**, **4-digit PIN**, **Custom PIN**, or **Password**.
 - 2 Selecting **Enable Pick up to wake device to enhance the Face unlock experience** will allow the screen to turn on and unlock when you pick up your Phone and hold it to your face. If you do not need this feature, leave it deselected. Touch **Enroll face**, and enroll your face.
 - 3 Face unlock modes:
 - **Direct unlock**: Turn on your screen. Your Phone identifies your facial features and unlocks your screen.
 - **Slide to unlock**: Turn on your screen. After your Phone identifies your facial features, slide the lock screen to unlock.
 - **Select an unlock method**: On the **Face recognition** screen, touch **Unlock device**. If you select **Direct unlock**, your Phone identifies your facial features and unlocks your screen when the screen is on. If you select **Slide to unlock**, after your Phone identifies your facial features, you can slide the lock screen to unlock. Selecting **Off** will disable Face unlock.
 - **Smart display of lock screen notifications**: Enable **Slide to unlock** and **Smart lock screen notifications**. On the lock screen, your Phone hides notification details and displays them only after recognizing the owner's face.
 - **Access App lock**: Enable **Access app lock** to access App lock and locked apps using Face unlock.


Delete Face Data



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

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

-  • Facial data will be erased if you reset all settings, restore your device to its factory settings, or set your password to none.
- Facial data will not be erased after a HOTA update.


Pick Up to Unlock


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


If you haven't selected **Enable Pick up to wake device to enhance the Face unlock experience** when enrolling facial data, you can open  **Settings**, go to **Security & privacy > Face recognition > Face recognition**, and set the Face unlock method to **Direct unlock**. Then, open  **Settings**, go to **Smart assistance > Motion control > Pick up > Shortcuts & gestures > Wake screen**, and switch it on **Pick up to wake**.

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 enable App lock for the first time, set the password and password protection question then enter App lock. On the App lock screen, enable App lock for the apps you want to protect. When accessing a locked app for the first time, you need to enter your password. If you forget your password, touch **Forgot password**, enter the answer to the password protection question, and reset your password. If you have not set up password protection, the **Forgot password** option is not available.

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.

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

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

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


 If you enter the wrong password five times in a row while logging in to App lock, your Phone will remain locked for one minute. Try again after one minute. If you enter the wrong password another three times in a row, you will need to wait 10 minutes to try unlocking again.

More Security Settings

Introduction to User Data Protection

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

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


 Not all devices support memory cards.





Backup and Restoration

Data Backup 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**.

 You can go to  **> Backup encryption > Encrypt backups** to enable **Backup encryption** on the backup page, and then set a password when prompted. The password will be used when you want to restore files later. Always remember your backup password or set security questions to help remember the password as you will not be able to retrieve your backup files without it.


Reset Your Phone

If the operating speed of your Phone starts to slow down due to long-term accumulation of caches and residual files, you can reset your Phone to erase these cached files completely and restore your device's factory settings.


Reset network settings: This will restore your Wi-Fi, mobile data network, and Bluetooth settings, including hotspot tethering and Bluetooth pairing information. It won't change other settings on your Phone, or delete any data or files.

Open  **Settings**, go to **System > Reset > Reset network settings**, touch **RESET NETWORK SETTINGS**, and follow the onscreen instructions to reset the settings.

Restore all settings: This will restore your device's initial network settings, fingerprint data, face data, and lock screen passwords. It won't reset settings for Find my Phone or HUAWEI ID, nor will it delete any data or files.

Open  **Settings**, go to **System > Reset > Reset all settings**, touch **Reset all settings**, and follow the onscreen instructions to reset the settings.

Restore factory settings: This will delete all data in your device's memory and storage, including your account settings, system settings, app data, installed apps, music, images, and documents, and restore your Phone to its original factory settings. Back up your data before restoring your device to its factory settings.


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

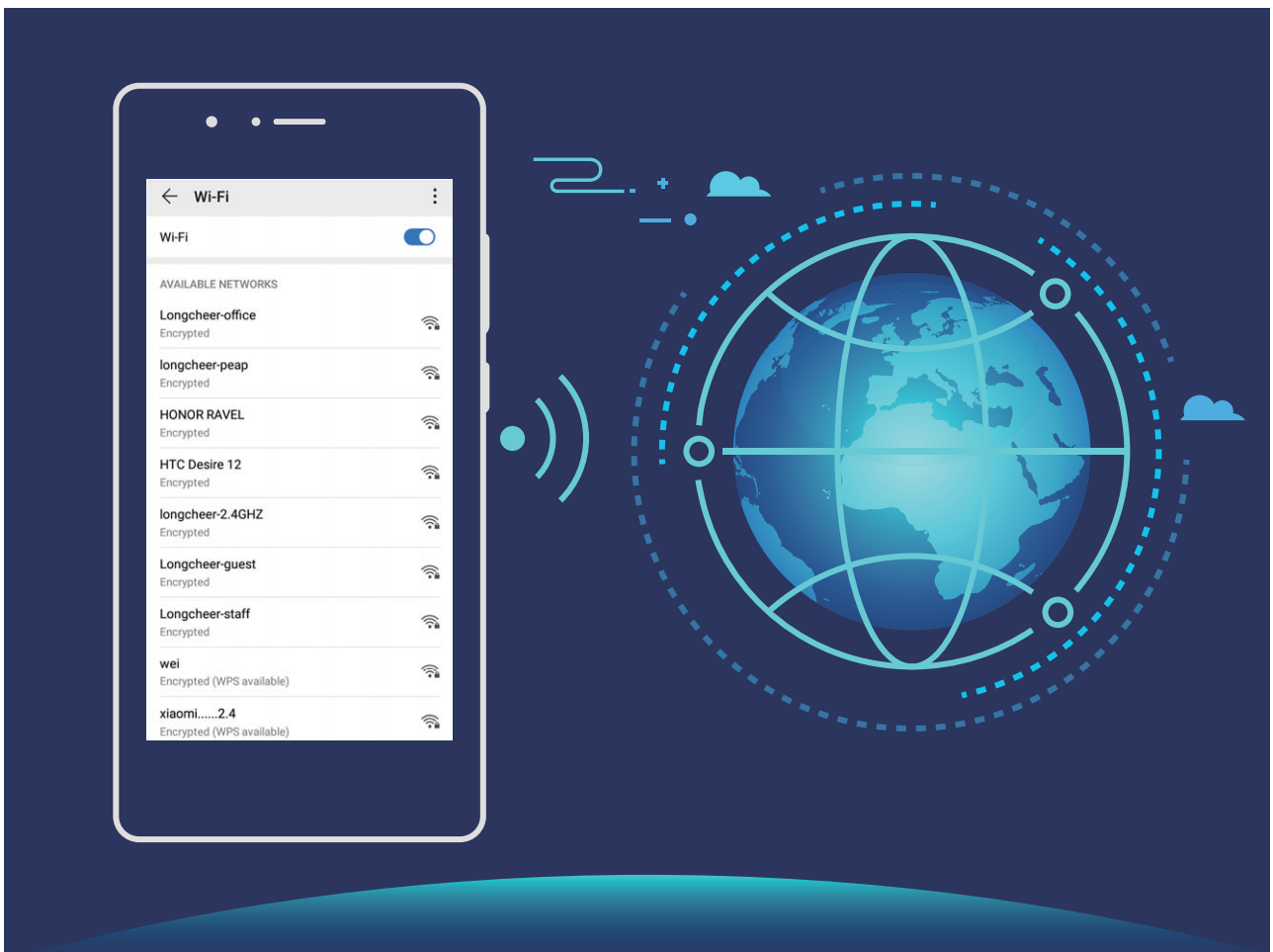
Wi-Fi and Network


Wi-Fi

Connect to Wi-Fi

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

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





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

Transfer Data Using Wi-Fi Direct

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




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

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


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.

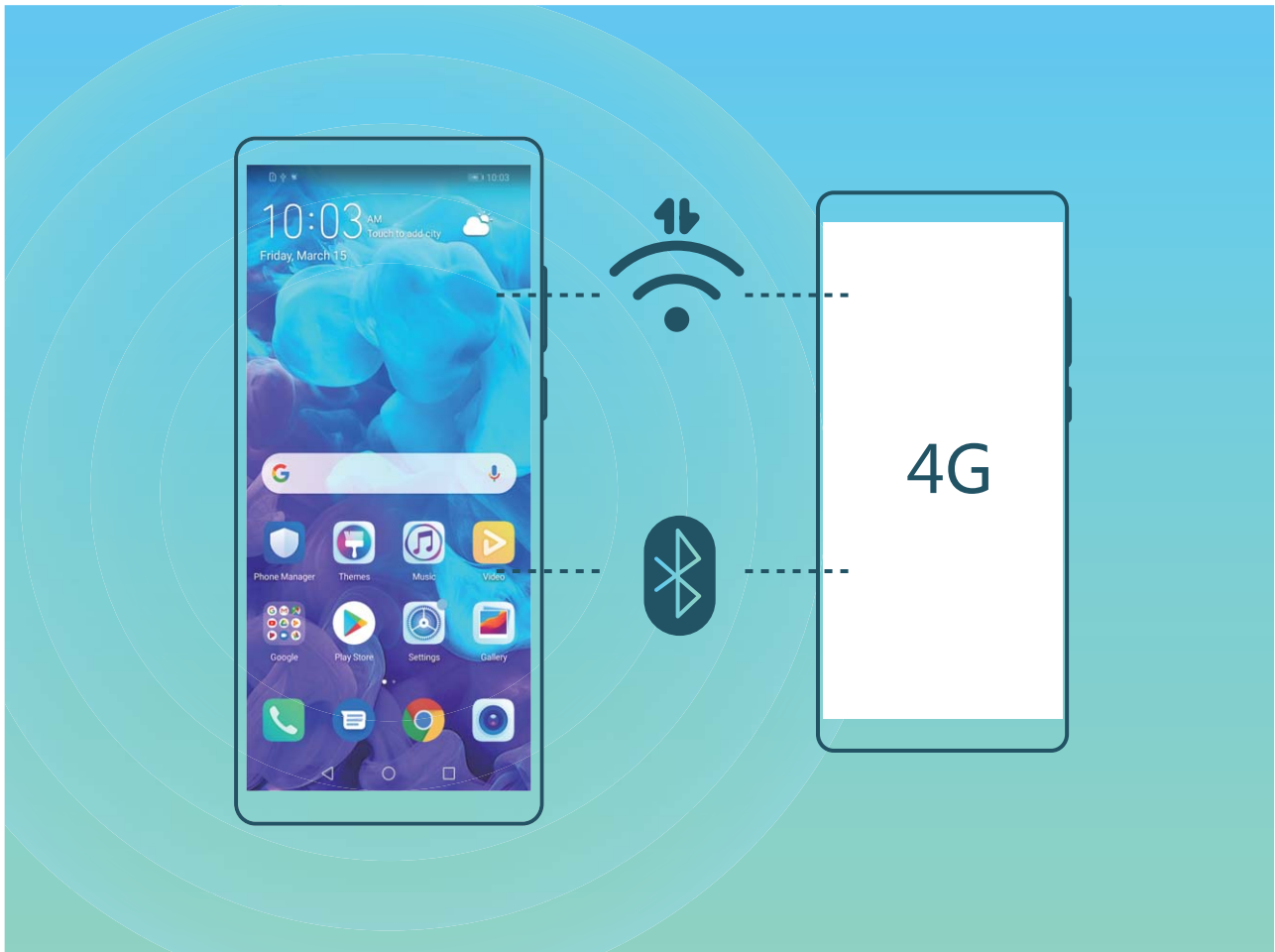
Connecting using mobile data


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


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** > **Tethering & portable hotspot** > **Portable Wi-Fi hotspot** > **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 > Tethering & portable hotspot**, and enable **Bluetooth tethering**. On the **Bluetooth** settings screen of the paired device, touch  next to the paired device, then enable **Internet access** to establish an Internet connection and share your mobile data.

Use 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 > Tethering & portable hotspot**, and enable **USB tethering** to start sharing your mobile data.


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

Sound and Display

Set Up Do Not Disturb Mode

Do not disturb mode blocks calls from strangers and only notifies you when you receive calls and messages from chosen contacts.

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

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

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

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


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.



Configure Your Sound Settings

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


Stereo sound in landscape mode: Want to enjoy stereo sound when watching movies or playing games? With the **Stereo+** feature enabled, your Phone automatically switches to stereo sound when


in landscape mode. This feature is enabled by default. To disable this feature, open  **Settings**, go to **Sounds > More sound settings**, and disable **Stereo+**.

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

 You can also adjust the volume in the system settings. Open  **Settings**, touch **Sounds** and slide to adjust the volume.

 On the sound settings screen, touch **Default volume button control** and select **Ringtone volume**. You can now use the Volume buttons to adjust the ringtone volume.

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

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



Set your Phone to Silent mode: From the **Sounds** screen, enable **Silent mode**, then enable **Vibrate in silent mode**. Now when you receive an incoming call, your screen will light up and your device will vibrate.


Customize your ringtone and notification sound: From the **Sounds** screen, choose a ringtone or notification sound according to your personal preference.


Disable startup sound: Go to **Sounds > More sound settings**, and disable **Power on tone**.

Enable Eye Comfort Mode to Prevent Eye Strain

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

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

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

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

Adjust 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 yellow tint. This is normal and does not


indicate an issue of your device. You can adjust the color temperature as needed. After you have enabled **Eye comfort**, you can adjust the color temperature slider for a cooler or warmer screen color.

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

Change the Display Settings

Change the font size and adjust the screen brightness on your Phone to suit your needs.


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

- **Display full screen:** Go to **More display settings** > **Full screen display** to display the app in full screen mode as needed.
- **Configure the notch display settings:** Touch **More display settings** > **Notch** to configure the notch display settings.
- **Change the image and font size:** Touch **Text and display size** and drag the sliders to suit your needs.
- **Automatically switch between portrait and landscape screens:** Go to **More display settings** > **Auto-rotate screen** and toggle on the switch. Alternatively, swipe down the notification panel, and then enable .
- **Adjust the color temperature:** Go to **Color temperature**. You can select the **Default**, **Warm** or **Cold** option recommended by the system. Alternatively, touch anywhere on the circle or drag the spot to manually adjust the color temperature.
- **Play screen savers while charging in Sleep mode:** Go to **More display settings** > **Screen saver**, and enable **Screen saver**. Then set **Picture source** and **Duration**. After the setting is complete, your Phone will display a slideshow of your photos when it is being charged and enters Sleep mode.
- **Display more information on the status bar:** Touch **More display settings**, then enable **Display carrier name** or **Display network speed** based on your preferences.

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

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 TalkBack to Have Onscreen Content Read Aloud

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

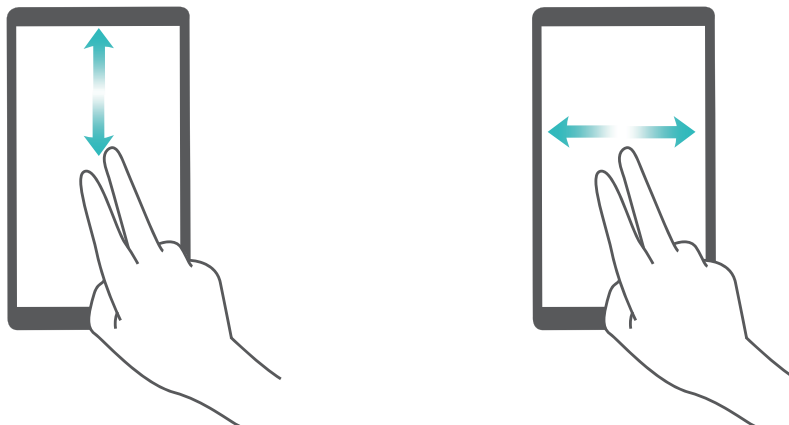
- 1 Open  **Settings** and go to **Smart assistance > Accessibility > TalkBack > ** to enter the TalkBack settings screen.
 - 2 Enable **TalkBack** and touch **OK**. Your device will launch a tutorial when you enable TalkBack for the first time. If you need to listen to the tutorial again, touch  to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

Learn TalkBack Gestures

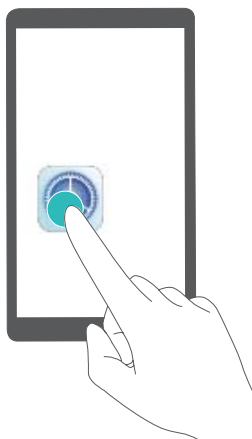
TalkBack uses a special set of gestures. When TalkBack is enabled, these gestures are required to interact with your device.

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

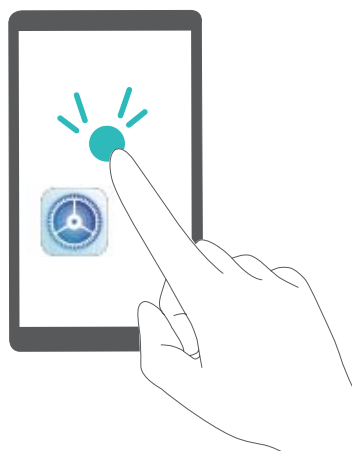
Navigate the screen: Swipe up or down with two fingers to scroll through screenscroll through menu lists. Swipe left or right to move between pages and screens.



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



Double-tap to activate an item
Open an item: Double-tap any part of the screen using one finger to confirm your selection from the previous step.



For example, if you want to open **Settings**, touch the **Settings** icon once with one finger, then touch twice anywhere on the screen.

Other gestures:


- **Swipe right with one finger** on the screen to move to the next item.

- **Swipe left with one finger** on the screen to move to the previous item.
- **Swipe down with one finger** on the screen to move to the item downwards.
- **Swipe up with one finger** on the screen to move to the item upwards.
- **Swipe down then right with one finger** on the screen to open the global TalkBack menu. You can quickly access certain TalkBack features here.
- **Swipe up then right with one finger** on the screen to open the local TalkBack menu. You can set browsing mode for TalkBack.
- **Swipe down then left with one finger** on the screen to return to the previous screen. This serves as the Back key.

Use Text-to-Speech Output with TalkBack


The text-to-speech feature can read aloud texts on the screen of your Phone. It can also be used with TalkBack to help you interact with your Phone when you can't read content on your screen clearly.

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

Open  **Settings**, go to **Smart assistance > Accessibility > Text-to-speech**, then configure your preferred engine and adjust the speech rate and pitch.

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.

Use Select to Speak

Enable Select to Speak to hear selected screen content read aloud.

Open  **Settings**, go to **Smart assistance > Accessibility > Select to Speak**, enable **Select to Speak**, and touch **OK**. The  icon will be displayed in the lower right corner of your screen. You can also:

Read text on images: Touch **More settings**, then enable **Read text on images**.


To use **Select to Speak**, touch the  icon, then tap texts or images with text on your screen to hear content read aloud.

 You need to use the three-key navigation method for this feature to work.

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 > Language and region > Language preferences**, 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.

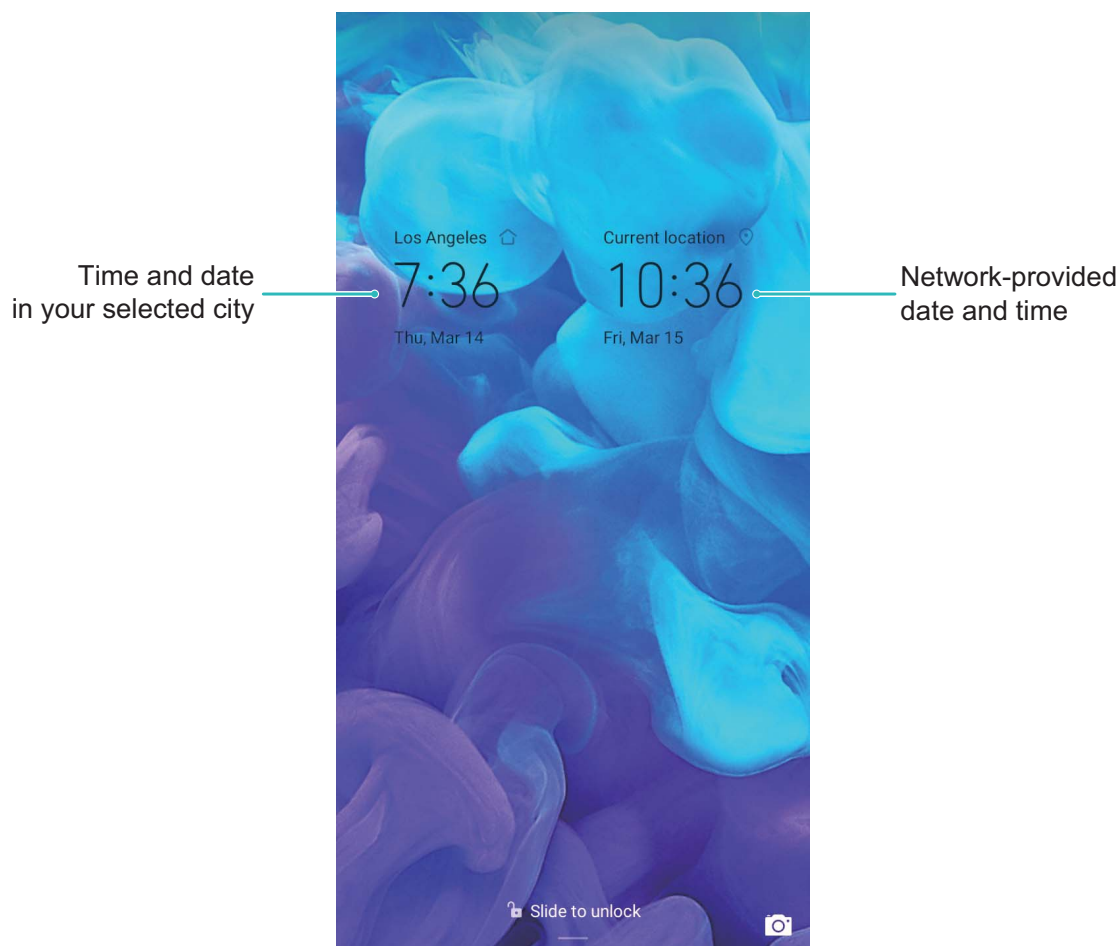
In **Add language > Added**, the displayed language does not indicate an affiliation between the language and region. The system interface is displayed according to the local habits of the selected region. For example, if you add English (Vietnam), the language will be English but the calendar will show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

Set the System Date and Time

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









Print Documents and Photos from Your Phone

Connect your Phone to a printer over Wi-Fi to print out documents and photos with ease.

- **Mopria** allows you to print directly from your Phone to a Mopria-certified printer. The printer connects to your Phone over Wi-Fi.
- If your printer is not Mopria-certified, contact the printer manufacturer to obtain a plug-in for your model.

1 Connect your Phone and printer to the same Wi-Fi network.


- **Connect to your printer's hotspot:** If your printer has a wireless hotspot, follow the instructions in the printer manual to enable the hotspot and set a password. On your Phone, open  **Settings** and go to **Wireless & networks > Wi-Fi > Wi-Fi**. Enable **Wi-Fi**, select the printer hotspot, and then follow the onscreen instructions to establish the connection.
- **Connect with Wi-Fi Direct:** If your printer supports Wi-Fi Direct, follow the instructions in the printer manual to enable this feature. On your Phone, open  **Settings**, and go to **Wireless & networks > Wi-Fi > Wi-Fi**. Enable **Wi-Fi**, touch  > **Wi-Fi Direct**, and then select your printer from the list of detected devices.
- **Connect to your router:** On your printer, enable Wi-Fi and connect to your home router. On your Phone, open  **Settings** and go to **Wireless & networks > Wi-Fi > Wi-Fi**. Enable **Wi-Fi**, select your router, and then follow the onscreen instructions to complete the settings.

- 2 Open  **Settings**, go to **Device connectivity > Printing > Printing > default print service > Default Print Service**, and check that **default print serviceDefault Print Service** is enabled. Select a printer from the search results and follow the onscreen instructions to manually add the printer.
- 3 You can now print directly from your Phone:
 - **Print an image:** Go to **Gallery**. Open the image that you want to print, go to **More > Print or export to PDF**, and then follow the onscreen instructions to send the image to the printer.
 - **Print a webpage:** In your browser, open the webpage that you want to print, and then select the print option from the menu.
 - **Print a document:** Open the document that you want to print in a productivity app and select the print option from the menu.
 - **Print a note:** Open  **Notepad**. Open the note that you want to print, touch **Print**, and then follow the onscreen instructions to send the note to the printer.

View Memory and Storage Status

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


 Not all devices support memory cards.

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

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


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.
- Your data may be erased after a system update. 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**.
- If the system is running the latest version, go to  > **Download latest full package**. When the system detects a new version, go to **New version > DOWNLOAD AND INSTALL**.

3 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  > **Settings** 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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Legal Notice

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Personal Information and Data Security

The use of some functions or third-party applications on your device could result in your personal information and data being lost or becoming accessible to others. Use the following measures to help you protect your personal information:

- Put your device in a safe place to prevent unauthorized use.
- Set your device screen to lock and set a password or unlock pattern.

- Periodically back up personal information stored on your SIM card, memory card, or your device memory. If you change to a different device, be sure to move or delete any personal information on your old device.
- Do not open messages or emails from strangers to prevent your device from becoming infected with a virus.
- When using your device to browse the Internet, do not visit websites that might pose a security risk to avoid your personal information from being stolen.
- If you use services such as the portable Wi-Fi hotspot or Bluetooth, set passwords for these services to prevent unauthorized access. Turn these services off when they are not in use.
- Install device security software and regularly scan for viruses.
- Be sure to obtain third-party applications from a legitimate source. Downloaded third-party applications should be scanned for viruses.
- Install security software or patches released by Huawei or authorized third-party application providers.
- Using unauthorized third-party software to update your device may damage your device or put your personal information at risk. It is recommended that you update through your device's online update feature or download official update packages for your device model from Huawei.
- Some applications require and transmit location information. As a result, a third-party may be able to share your location information.
- Some third-party application providers may collect detection and diagnostic information on your device to improve their products and services.

This guide is for reference only. The actual product, including but not limited to the color, size, and screen layout, may vary. All statements, information, and recommendations in this guide do not constitute a warranty of any kind, express or implied.

Note: Remember the Google account your phone last logged in to. During an untrusted factory settings restoration or microSD card-based update, Google's anti-theft mechanism requires you to enter the Google account your phone last logged in to on the startup navigation screen for identity authentication. Your phone can properly power on only after the identity authentication passes.

Please visit <http://consumer.huawei.com/en/support/hotline> for recently updated hotline and email address in your country or region.

Model : KSA-LX2
KSA-LX3
KSA-LX9

EMUI 9.0_01

