



Xiaomi 12T Pro User Guide

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Chapter 1 Get started

About the user guide

Thanks for choosing Xiaomi 12T Pro, please read the user guide carefully before you start. This is the Xiaomi 12T Pro User Guide for the MIUI Global 13.0.0 Stable version. If you are not sure which software version your device is running, you can go to  **Settings** >  **About phone** to view the MIUI version information.

For more MIUI features, see global.miui.com for more information.

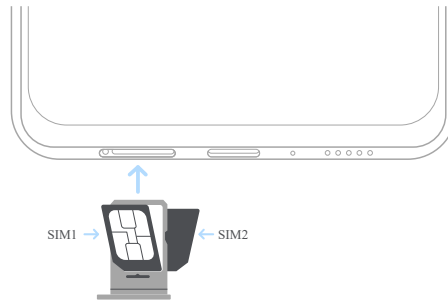
Xiaomi 12T Pro overview



1. Front camera	2. Touch screen	3. SIM card slot
4. Micro USB-C	5. Microphone	6. Speaker
7. Power button	8. Volume buttons	9. Flash
10. Rear cameras	11. Speaker	12. Microphone

Insert a SIM card

1. Withdraw the SIM card slot with the ejection tool.
2. Put the SIM card on the slot.



3. Insert the slot back into the phone.

Note

If you insert two SIM cards, you can set one as the primary mobile data SIM and the other as the primary calling SIM, or set call forwarding between the two SIM cards. See [Set a default call SIM](#) and [Set a default data SIM](#) for more information.

Connect to Wi-Fi

1. Go to **Settings** > **Wi-Fi**.
2. Tap to enable **Wi-Fi**.
3. Select an available network to connect.

Note

You need to enter a password for an encrypted Wi-Fi network.

Tip

You can swipe down the status bar at the upper-right corner of the phone, then tap **Wi-Fi** on the Control center to connect the same Wi-Fi next time.

Power on the phone

1. Press and hold the Power button until the phone vibrates.
2. Finish the setup wizard.



Note

The first time you power on the phone, a setup wizard helps you to personalize your phone, connect to a mobile network or Wi-Fi network, choose to copy Apps and data, sign in with a Google account or Mi account, set screen lock, set up Google assistant, and other basic settings.

Add accounts

Sign in to your Google Account

Google Account enables you to access Google Cloud Storage and Apps installed from your account, and make full use of the Android features.



1. Go to  **Settings** >  **Accounts & sync** .
2. Tap **Add account** .
3. Choose **Google** .
4. Sign in with your Google Account.

Note

If you do not have an account, you can tap **Create account** to create one. See [Google](#) for more information.

Sign in to your Mi Account

Mi Account enables you to access exclusive Mi content and make full use of Mi apps.


1. Go to  **Settings** >  **Mi Account** .
2. Sign in with your Mi Account.

Note

Mi Account will be created automatically when you use a phone number for the first time. You can also create a Mi Account with an email address.

Transfer files

Transfer files with the ShareMe App

You can transfer files without an internet connection. Before the phones transfer files, you need to install  **ShareMe** on both phone A and phone B. See [App Downloads](#) for more information.

1. Open  on Xiaomi phone A and Xiaomi phone B separately.

2. Tap **Receive** on phone B.

Phone B displays a QR code until it establishes a connection with phone A.

3. Tap **Send** on phone A to select file items.
4. Tap **SEND** on phone A to connect phone B.
5. Choose to transfer files.

- Use phone A to scan the QR code on phone B to connect.
- Wait for the phone A to search for phone B, then tap the phone B name to connect.

Phone A automatically transfers the selected files to phone B after the connection is established.

ⓘ Note

You can tap **Share more files** to share more files between phone A and phone B.

Transfer files with a computer

1. Connect both your phone A and phone B to a computer with an available cable separately.
2. Choose to use USB for **File Transfer/Android Auto** in the pop-up window on both phones.
3. Select files of the phone A, and then copy and paste or drag and drop the files to folders of phone B on the computer.

ⓘ Note

When you copy files from phone A to phone B, make sure that the folder names are the same on both phones.






Finish setup wizard


If you do not finish the setup wizard when you power on the phone on the first time, it shows on the notification panel after you start the phone. You can swipe

down the notification panel, then tap **Finish setting up your ditingp** and follow the onscreen instructions to finish the setup wizard.






Chapter 2 Basic features

Basic gestures

Gesture	Definition	Examples for gesture effects
	Tap	<ul style="list-style-type: none"> • Open or choose an item. • Enter texts with keyboard on the phone screen.
	Touch and hold	<ul style="list-style-type: none"> • Move an App icon on the Home screen. • Activate a list to choose multiple items.
	Swipe	<ul style="list-style-type: none"> • Browse a list quickly.
	Scroll	<ul style="list-style-type: none"> • Drag a list up or down to see more information.
	Zoom in	<ul style="list-style-type: none"> • View photos with more details. • Browse websites clearly.

Gesture	Definition	Examples for gesture effects
	Zoom out	<ul style="list-style-type: none"> • Check maps in full view.

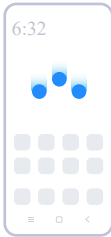
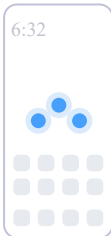
Full screen gestures

Gesture	Description
	<p>Go to Home screen</p> <p>Swipe up from the bottom of the screen.</p>
	<p>Open Recents</p> <p>Swipe up from the bottom of the screen and pause.</p>
	<p>Go back</p> <p>Swipe left or right from the edge of the screen.</p>
	<p>Trigger app's action</p> <p>Swipe left or right from the edge of the screen in top area.</p>
	<p>Switch between apps</p> <p>Swipe left or right from the full screen indicator or bottom of the screen.</p>

Note

You can use the above gestures only when you choose full screen gestures mode. You can see [Set full screen gestures](#) for more information.

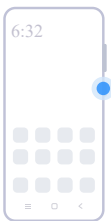

More gestures shortcuts




Gesture	Description
	Take a screenshot Slide 3 fingers down.
	Take a partial screenshot Press and hold with 3 fingers.

Note

Before you can use the gestures, you need to enable the shortcuts. See [Take a screenshot shortcut](#) and [Take a partial screenshot shortcut](#) for more information.

Button shortcuts

Gesture	Description
	Power off and reboot Press and hold the Power button until the Power off and Reboot menu appears.
	Increase the volume Press the Volume up button.





Gesture	Description
	<p>Decrease the volume</p> <p>Press the Volume down button.</p>
	<p>Take a screenshot</p> <p>Simultaneously press the Volume down button and the Power button.</p>
	<p>Activate Google Assistant</p> <p>Press and hold the Power button until the Google assistant appears.</p>

Lock the screen

Lock the screen with the Power button

Press the Power button.

Lock the screen with Widgets

1. Enter the screen editing mode.
 - Pinch on the Home screen.
 - Touch and hold an empty space on the Home screen.
2. Tap  **Widgets** to view all widgets.
3. Tap  **Lock** from Quick functions.
4. Tap  at the upper-left corner of the phone or zoom out the page.
5. Tap  **Lock** to lock the screen.

Unlock the screen

Unlock the screen with a pattern, PIN, or password

1. Press the Power button to wake up the phone.
2. Swipe up from the bottom of the screen.
3. Draw the pattern, or enter the PIN or password to unlock the screen.

Note

If you do not know or want a pattern, PIN, or password, you can see [Set up Screen lock](#) for more information.

Unlock the screen with fingerprint

Tap and hold the fingerprint sensor on the bottom of the screen.

Note

- Only the finger you registered with fingerprint data can unlock the screen.
- Set screen lock before you add the fingerprint. If you do not have fingerprint data, see [Set up a fingerprint lock](#) for more information.

Unlock the screen with face data

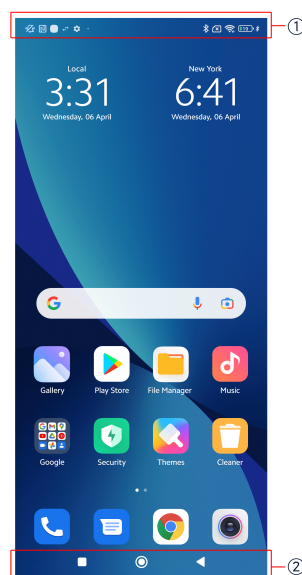
Add a screen lock password before you add the face data. See [Set up a face lock](#) for more information.

1. Press the Power button to wake up the phone.
2. Look at the screen until the the lock icon changes from ☺ to ☹.
3. Swipe up from the bottom of the screen.

Note




You keep the screen stay on when you are looking at the screen.

Home screen



1. Status bar	2. System navigation buttons
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System navigation buttons


	<ul style="list-style-type: none"> • Tap to return to the last step.
	<ul style="list-style-type: none"> • Tap to return to the Home screen. • Press and hold to use Google Assistant.
	<ul style="list-style-type: none"> • Tap to view recently-opened Apps in Recents.

Note


See [Set system navigation buttons](#) for more information.

Change transition effects

Change a transition effect when you switch between Home screen pages.

1. Enter the screen editing mode.
 - Pinch on the Home screen.
 - Touch and hold an empty space on the Home screen.
2. Tap  to set Home screen layout.
3. Tap **Transition effects** to choose a transition effect.
4. Tap **Done** and exit the screen editing mode to save the change.



Set default Home screen

1. Enter the screen editing mode.
 - Pinch on the Home screen.
 - Touch and hold an empty space on the Home screen.
2. Tap  to set Home screen layout.
3. Tap **Set default screen** to choose a default Home screen.
4. Exit the screen editing mode to save the settings.

Don't show text

Do not show text below the App icons.























1. Enter the screen editing mode.
 - Pinch on the Home screen.

- Touch and hold an empty space on the Home screen.
2. Tap  to set Home screen layout.
 3. Tap  to enable **Don't show text**.

Notifications icons and status icons

Notifications icons and status icons inform you of the newest events, such as news or messages from Apps and the statuses of your phone, such as the network strength or battery condition.

Notification icons and status icons

	5G network connected		Full signal strength
	SIM card not found		VoLTE enabled
	Airplane mode enabled		Wi-Fi network connected
	Portable hotspot enabled		Calling
	Missed call		Unread SMS
	Do not disturb		Silent mode
	Vibrate in silent mode		Alarm
	Headset		Headset with a microphone connected
	Microphone in use indicator		Camera in use indicator
	Bluetooth enabled		Location services
	Battery saver		Low battery

	Charging		Mi Turbo Charge enabled
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View the notifications

1. Swipe down from the upper-left of the phone to open the notification panel.
2. Tap a notification to view in details.

Clear the notifications










1. Swipe down from the upper-left of the phone to view notifications.
2. Swipe right on a notification reminder to clear the notification.













Tip

Tap  at the bottom of the notification panel to clear all notifications.

Control center

Toogles on Control center

	Bluetooth		Airplane mode
	Auto brightness		Mute
	Screenshot		Flashlight
	Lock orientation		Lock screen
	Screen recorder		Scanner
	Reading mode		Dark mode
	DND		Battery saver
	Ultra battery saver		Cast

	Mi Share		Floating windows
	Vibrate		Hotspot
	Nearby Share		NFC
	Dolby Atmos		Location
	Focus mode		Bedtime mode
	Performance mode		Mi Remote

Open the Control center

When you use **New version** of the Control center, pull down status bar on the right to open the Control center. When you use the **Old version** of the Control center, pull down status bar to open the Control center. See [Choose Control center style](#) for more information.

Apps and App folders

Downloaded Apps and pre-installed Apps are shown on the Home screen. You can manage Apps and add them to personalized App folders.

Open an App from Home screen

Tap an App icon on the Home screen.

Move an App on Home screen

Touch and hold an App icon until the pop-up window shows, then move the App to other places on the Home screen.

Remove an App from Home screen

1. Touch and hold an App icon until the pop-up window shows.

2. Choose **Remove** in the pop-up window.

Create App folders on Home screen

1. Touch and hold an App icon until the pop-up window shows, then drag the App icon to cover another App icon on the Home screen.


The system automatically shows an App folder for the two Apps.

2. Release the App icon into the App folder.

Move Apps to an App folder

1. Touch and hold an App icon until the pop-up window shows, then drag the App icon to an App folder.
2. Release the App icon.

Rename an App folder

1. Tap an App folder to open the folder.
2. Tap the folder name and enter the new text.
3. Tap the screen or  to confirm the new name.


App Downloads

Download Apps from Google Play Store

Google Play Store App is pre-installed on the Home screen. You can download Apps on the phone.

Note

You need to sign in with your Google Account. See [Sign in to your Google Account](#) for more information.

1. Open  **Google Play Store** App.
2. Choose an App that you want to download.
3. Tap **Install** to download and install the App.

The App icon automatically shows on the Home screen when the download finishes.

Download Apps from other resources




When your phone is set to allow to download Apps from other resources, you can follow the instructions of the resources. If your phone does not allow other

resources to download Apps, see [Allow to install unknown Apps](#) for more information.

ⓘ **Caution**

Download Apps from unknown or unreliable resources may damage your phone.

Allow to install unknown Apps

1. Go to  **Settings** >  **Privacy protection** > **Special permissions** .
2. Tap **Install unknown apps** to view all Apps.
3. Choose the App that you want to download Apps from.
4. Tap  to enable **Allow from this resource** .


ⓘ **Caution**

Your phone and personal data are more vulnerable to attack by unknown Apps.


Recents windows

Recents windows enable you to view recently-used Apps and switch between Apps.


Open recently-opened Apps in Recents

1. Open **Recents** windows.
 - Swipe up from the bottom of the screen when in full screen mode.
 - Tap  when use system navigation buttons.
2. Tap an App window.

Remove recently-opened Apps in Recents

1. Open **Recents** windows.
 - Swipe up from the bottom of the screen when in full screen mode.
 - Tap  when use system navigation buttons.
2. Swipe an App window left or right.



Note

You can tap  to clear all recently-opened Apps.

Widgets

Widgets enables you to quickly access the functions of Apps such as Cleaner function, Clock information, or Weather information.

Add a widget to Home screen

1. Enter the screen editing mode from Home screen.
 - Pinch the Home screen.
 - Touch and hold an empty space on the Home screen.
2. Tap  **Widgets** to view all widgets.
3. Choose a widget and tap the widget to add it to the Home screen.
4. Tap  at the upper-left corner of the phone or zoom out the page.

Tip

If there is not enough space, you can drag the widget to a different Home screen page.

Move a widget on Home screen

Touch and hold a widget until the pop-up window shows, then move the widget to other places on the Home screen.




Remove a widget from Home screen

1. Touch and hold a widget until the pop-up window shows.
2. Tap **Remove**.

Wallpapers and themes


Wallpapers and **Themes** enable you to personalize your phone. You can use them to change the backgrounds and styles.

Change the wallpaper

1. Open **Wallpapers** settings.
 - Open  **Themes**, then tap **Wallpapers** .
 - Go to  **Settings** >  **Wallpaper** .
2. Choose a new wallpaper such as a live image.

3. Tap **Apply**.
4. Choose **Set as Lock screen**, **Set as Home screen**, or **Set both**.
 - Tap **Set as Lock screen** to apply the wallpaper to the Lock screen.
 - Tap **Set as Home screen** to apply the wallpaper to the Home screen.
 - Tap **Set both** to apply the wallpaper both to the Lock screen and Home screen.

Change the theme

1. Open  **Themes**.
2. Tap **Themes** to choose a theme.
3. Tap the selected theme to view details.
4. Down the theme.
 - Tap **FREE** to download a free theme.
 - Tap **PREMIUM** to download themes that need premium.
5. Tap **APPLY**.


Note

You can also choose to apply the theme to the Lock screen, Home screen, System, or icons.

Screenshots and Screen recording

Take a screenshot

Take a screenshot with three methods.

- Press the Volume down button and the Power button simultaneously to take a screenshot. See [Take a screenshot shortcut](#) for more information.
- Slide three fingers down to take a screenshot. See [Take a screenshot shortcut](#) for more information.
- Swipe down from the status bar to open the Control center and tap  **Screenshot** to take a screenshot.

Take a partial screenshot

You need to enable **Press and hold with 3 fingers**. See [Take a partial screenshot shortcut](#) for more information.

1. Press and hold with three fingers on the screen.
2. Choose a shape at the upper-right corner of the phone.
3. Move with one finger to draw the coverage.
4. Tap **Save**.




Take a scrolling screenshot

1. Take a screenshot. See [Take a screenshot](#) for more information.
2. Tap **Scroll** on the screenshot at the upper-right corner.
3. Scroll up to determine where to end the scrolling screenshot or wait for the page goes down automatically.
4. Tap **DONE**.
5. Tap ✓ to save the scrolling screenshot.

Note

If you want to view and save the scrolling screenshot, you need to give **Gallery Editor** permissions to certain folders.

Record the screen




1. Swipe down the status bar to open the Control center.
2. Tap  **Screen Recorder**.
3. Tap  to start recording.
4. Tap  to stop recording.

Tip

You can enable  **DND** on the Control center to prevent unexpected notifications.

Change the date and time

The date and time are set automatically over the network based on your location. You can adjust the date and time manually.


1. Go to  **Settings** >  **Additional settings** > **Date & time** .
2. Tap  to disable **Set time automatically**.
3. Tap **Date** or **Time** to change the date or time.

4. Tap **OK** .

Add an alarm

You can set one or more alarms on you phone. See [Add an alarm](#) for more information.

Scan QR codes

1. Open  **Camera**.
2. Point the camera at the QR code, then tap the notification that appears.

Note

If you want to enable **Scan QR codes**, see [Enable Smart suggestions](#) for more information.

Adjust the volume

Press the Volume up or down button to adjust the volume.

Charge the phone

When the battery is running low, you need to charge the phone.

1. Connect the USB cable to the phone.
2. Plug the cable into the adapter.
3. Connect the adapter to a power outlet.
4. Disconnect the charger when the phone is fully charged.

Caution

Make sure that the charger and the USB cable are available. To avoid severe damage and explosions, do not use unauthorized devices to charge the phone.

Chapter 3 Battery and maintenance

You can go to battery settings with two methods to check the battery health and manage the usage and maintenance of the battery.

- Go to  **Settings** >  **Battery** .

- Go to  **Security** >  **Battery** .

View Battery saver

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Open **Battery saver** page.
3. View the remaining use time and battery capacity.

Note

When your phone is charged, you can view the remaining fully charging time and charged battery capacity.

Enable Battery saver


Use **Save battery** mode to save power. It can reduce background activity of apps, stop sync, and minimize system animations.

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Open **Battery saver** page.
3. Tap **Save battery** on the slider.

Note


You can also choose **Balanced** or **Performance** mode. **Balanced** mode is recommended for normal use. **Performance** mode increases phone performance, but consumes more power.

Tip


You can also swipe down from the upper-right corner of the phone to enable  **Battery saver** on the Control center.

Enable Ultra battery saver

Use **Ultra battery saver** to save power when in low battery. It restricts most power consuming features. Only calls, messages, and network connectivity are not affected.

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Open **Battery saver** page.
3. Tap  to enable **Ultra battery saver**.

Tip

You can also swipe down from the upper-right corner of the phone to enable  **Ultra battery saver** on the Control center.

Fix battery usage issues

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Open **Battery saver** page.
3. Tap **Fix 1 battery usage issue**.

Note

The phone scans the battery usage issues automatically. You may have no or more battery usage issues to fix or optimize in real situations.


View power consumption in detail

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Open **Battery saver** page.
3. Tap the line chart and view the power consumption in detail below.


View battery usage

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Tap **Battery** or swipe left to enter **Battery** page.
3. View the temperature and charged times.

Boost charging speed

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Tap **Battery** or swipe left to enter **Battery** page.
3. Tap **Boost charging speed** .
4. Tap  to enable **Boost charging speed** .

Tip

- You can tap  to enable **Notify about boosting** . When the supplied 120W charger is connected and the battery is below the set level, the phone notifies about boosting charging speed.

- You can also tap **Set battery level for reminders** to select different battery levels.

Use App battery saver

Use **App battery saver** to manage active and sleeping Apps.

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Tap **Battery** or swipe left to enter **Battery** page.
3. Tap **App battery saver**.
4. Tap an App to manage the App to save battery.
 - Choose **Put apps to sleep** or **Save power** for active Apps.
 - Choose the app background settings, such as **No restrictions**, **Battery saver**, **Restrict background apps**, or **Restrict background activity** for sleeping Apps.

Schedule power on or power off

1. Go to battery settings. See [Go to battery settings](#) for more information.
2. Tap **Battery** or swipe left to enter **Battery** page.
3. Tap **Schedule power on/off** .
4. Choose to tap to enable **Power on time**, **Power off time**, or both.
5. Choose to set the power on or power off time.
6. Tap ✓.

Reboot the phone

1. Press and hold the Power button until the function menu shows.
2. Choose **Reboot**.

Power off the phone




1. Press and hold the Power button until the function menu shows.

2. Choose  **Power off**.


Chapter 4 Networks and connection

SIM cards & mobile networks




Connect to mobile data

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap  to enable **Mobile data**.

Tip

You can swipe down the status bar and tap  **Mobile data** to enable mobile data on the Control center.

Stop using a SIM card

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap a phone number to set SIM card.
3. Tap  to stop **Turn on**.

Note

Only when the phone is inserted with two SIM cards, you can disable one SIM card.



Set a default data SIM

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap the number of a SIM card in **Data SIM**.

Set a default call SIM



1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap the number of a SIM card in **Default for calls**.

Edit SIM card name

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap a phone number to set SIM card.
3. Tap **Edit SIM card name** to change the name.

4. Tap **OK**.

Edit SIM card number

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap a phone number to set SIM card.
3. Tap **Edit SIM card number** to change the number.
4. Tap **OK**.




Advanced settings

Use mobile data during VoLTE calls on the secondary SIM

During VoLTE calls, the phone connects to a mobile data network with the secondary SIM.



Note

You can set the feature when you insert two SIM cards.

1. Go to  **Settings** >  **SIM cards & mobile networks** > **Advanced settings** .
2. Tap  to enable **Use mobile data during VoLTE calls on the secondary SIM**.



Set Data roaming

When roaming, you can connect to data services.

1. Go to  **Settings** >  **SIM cards & mobile networks** > **Advanced settings** .
2. Tap **Data roaming** .
3. Tap **International roaming** to select data roaming frequency.

Diagnose mobile network

Test connection for networking issues.

1. Go to  **Settings** >  **SIM cards & mobile networks** > **Advanced settings** .
2. Tap **Mobile network diagnostics** to see connection speed.
3. Tap **Test network** .

Learn eSIM card




eSIM card is a virtual SIM card that occupies no space on the SIM card slot. The function of an eSIM card is similar to a physical SIM card. You can also make calls, send messages, and use mobile data.

Note

- eSIM card is only available in some countries and regions.
- eSIM card may vary depending on your carrier.

Apply for an eSIM card

You need to contact your carrier to apply for an eSIM card.

A customer service representative may ask you for the embedded-SIM ID (EID) information when you apply for an eSIM card. You can go to  **Settings** >  **SIM cards & mobile networks** to enable **Use eSIM**, then go to **Manage eSIM** >  > **View device EID** to view the information.

Note

You can apply for multiple eSIM cards, but the phone only supports one eSIM card be used at a time.

Add an eSIM card from Setup Wizard

1. Start **Setup Wizard** when you open the phone for the first time.


After you set up the region that supports eSIM cards in the Setup Wizard, the phone checks SIM cards and eSIM cards automatically.

2. Tap **Activate eSIM** after the phone detects SIM cards.
3. Connect to a Wi-Fi network to check eSIM cards.
4. Tap **Add mobile plan** to choose to add a mobile plan.




- Scan the QR code provided by your carrier.
- Scan the image from **Gallery**. When you are not convenient with your camera, you can save the QR code provided by the carrier as an image. And then tap **Gallery** to choose the image for scan.
- Tap **Add manually instead** below the scanner to use activation code provided by your carrier.

5. Follow the onscreen instructions to add and activate an eSIM card.

Note

If two SIM cards are detected, the eSIM card activation process in Setup Wizard will be skipped. You can set up later in  **Settings**. See [Add an eSIM card from Settings](#) for more information.

Add an eSIM card from Settings




1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap  to enable **Use eSIM** and tap **OK**.
3. Tap **Manage eSIM**.
4. Tap **Add mobile plan** to choose to add a mobile plan. See [Choose to add a mobile plan](#) for more information.
5. Follow the onscreen instructions to add and activate an eSIM card.

Note

- You can tap **Discover mobile plans** to find mobile plans.
- eSIM card and SIM 2 cannot be used at the same time. If you insert dual SIM cards or SIM 2 on your phone, eSIM card cannot be activated. To use eSIM card, you need to disable SIM 2 and switch to eSIM card.




Enable Use eSIM

Enable the feature if you want to use the eSIM again. If you want to use SIM 2, you can disable **Use eSIM**.

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap  to enable **Use eSIM** and then tap **OK**.




Disable an eSIM card

If you want to use other eSIM cards, you can disable the current eSIM card.

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap  to enable **Use eSIM** and tap **OK**.
3. Tap **Manage eSIM**.
4. Tap the eSIM card that you want to disable.




5. Tap **Disable mobile plan**.

Change the nickname of an eSIM card

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap  to enable **Use eSIM** and tap **OK**.
3. Tap **Manage eSIM**.
4. Tap the eSIM card to view more information.
5. Tap **Change nickname** and enter the new name.

Delete an eSIM card





If you delete the eSIM card, you will permanently delete XIAOMI PROFILE from the phone. The eSIM card will not be restored and displayed in the eSIM list.

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap  to enable **Use eSIM** and tap **OK**.
3. Tap **Manage eSIM**.
4. Tap the eSIM card to view more information.
5. Tap **Delete mobile plan** to delete the eSIM card.

Note

- **Delete an eSIM card** does not cancel any mobile data plans you have purchased from a carrier.
- Disable an eSIM card before you delete it.



Reset eSIM

1. Go to  **Settings** >  **SIM cards & mobile networks** .
2. Tap  to enable **Use eSIM** and tap **OK**.
3. Go to **Manage eSIM** >  > **Reset eSIM** .
4. Tap **Reset**.

Note

If you reset eSIM, all of your mobile plans will be permanently removed from the device. But the action does not cancel any data plans you have purchased from a carrier.

Wi-Fi




You can go to  **Settings** >  **Wi-Fi** to enable **Wi-Fi**. See [Connect to Wi-Fi](#) for more information.

Note

Available networks show up when you enable **Wi-Fi**.

Choose Wi-Fi assistant

Wi-Fi assistant helps optimize connection and accelerate network.



1. Go to  **Settings** >  **Wi-Fi** > **Wi-Fi assistant** .
2. Choose Wi-Fi assistant.
 - Tap  to enable **Traffic mode** to allocate equal bandwidth to the Apps and background downloads.

Note

The feature is enabled in **Balanced** by default. You can also choose **Fast connection** to give priority to the Apps you are using while making the background download speed lower.

- Tap **Dual band Wi-Fi speed boost** to boost Wi-Fi speed by connecting to auxiliary networks.

Manage saved networks

1. Go to  **Settings** >  **Wi-Fi** > **Additional settings** .
2. Tap **Manage saved networks** to delete saved networks.

Install certificates

You can go to  **Settings** >  **Wi-Fi** > **Additional settings** > **Install certificates** to install Wi-Fi certificates.

Wi-Fi Direct

Wi-Fi Direct enables the phone to connect anywhere and anytime, even when there is no access to a Wi-Fi network nearby.




You can go to  **Settings** >  **Wi-Fi** > **Additional settings** > **Wi-Fi Direct** to connect the phone to other Wi-Fi Direct devices directly.

Bluetooth

You can connect your phone with earphones, speakers, and other devices with Bluetooth functionality. You can also use Bluetooth to share data between your phone and other devices.

Pair a phone with Bluetooth


The following steps take the connection between a Xiaomi phone and another Xiaomi phone as an example.

1. Go to  **Settings** >  **Bluetooth** .
2. Tap  to enable **Bluetooth** on both phones.
Available devices show up when your enable **Bluetooth**.
3. Tap the name of Phone B in Phone A.
4. Tap **Pair** in the pop up windows of the two phones.

Note



The two phones need to enable **Bluetooth** and stay in an effective distance. The phones search for devices automatically, then you can see the names of available devices.

Tip

You can also swipe down from the upper-right corner of the phone to enable  **Bluetooth** on the Control center.

Rename a device

When you enable Bluetooth, other nearby devices can see the name.

1. Go to  **Settings** >  **Bluetooth** > **Device name** .
2. Enter the device name.
3. Tap ✓.

Pair compatible devices




You can quickly connect to earphones, speakers, and other compatible devices.

1. Go to  **Settings** >  **Bluetooth** > **Additional settings** .

2. Tap  to enable **Pair compatible devices**.




Show Bluetooth devices without names

The names of the Bluetooth devices are not displayed and only the MAC addresses are displayed.


1. Go to  **Settings** >  **Bluetooth** > **Additional settings** .
2. Tap  to enable **Show Bluetooth devices without names**.

Portable hotspot

Enable Portable hotspot




1. Go to  **Settings** >  **Connection & sharing** > **Portable hotspot** .
2. Tap  to enable **Portable hotspot**.

Tip



- You can tap **Share QR code** to share Wi-Fi network.
- You can swipe down from the upper-right corner of the phone to enable  **Hotspot** on the Control center.

Turn off hotspot automatically




Turn off hotspot automatically helps save mobile data when you do not use the feature.

1. Go to  **Settings** >  **Connection & sharing** > **Portable hotspot** .
2. Tap  to enable **Turn off hotspot automatically**.

Set up portable hotspot

1. Go to  **Settings** >  **Connection & sharing** > **Portable hotspot** .
2. Tap **Set up portable hotspot** to change the SSID or password.
3. Tap ✓.

Set one-time data limit

1. Go to  **Settings** >  **Connection & sharing** > **Portable hotspot** .
2. Tap **One-time data limit**.
3. Tap  to enable **One-time data limit**.
4. Tap **Size** to select the mobile data limit.

5. Tap **When exceeded** to choose **Turn off and notify** or **Only notify** when the data limit exceeds.



Note

Data limit applies next time when your hotspot is on.

Connection & sharing

Enable Mi Share


Mi Share allows you to send items wirelessly to other nearby devices.

1. Go to  **Settings** >  **Connection & sharing** > **Mi Share** .
2. Tap  to enable **Mi Share**.

Note

If you share items with other phones, make sure that both of the phones turn on **Mi Share**. You can check the list of supported devices on the official website of any selected brand.

Tip

You can also swipe down from the upper-right corner of the phone to enable  **Mi Share** on the Control center.

Turn on Mi Share automatically

Mi Share is turned back on automatically when Bluetooth or Wi-Fi is turned back on.

1. Go to  **Settings** >  **Connection & sharing** > **Mi Share** .
2. Tap  to enable **Turn on Mi Share automatically**.

Enable Cast

You can enable **Cast** to project the items from your phone screen on a bigger external monitor.




Note

You need to turn off **Portable hotspot** before you enable **Cast**.

1. Go to  **Settings** >  **Connection & sharing** > **Cast** .
2. Tap  to enable **Cast**.

3. Select an available device to start casting.



Tip

- You can go to  **Settings** >  **Connection & sharing** > **Cast** > **Help** to learn casting information.
- You can also swipe down from the upper-right corner of the phone, then tap  to enable **Cast** on the Control center.

Add VPN




Note

You need to set a screen lock to save your VPN settings. See [Set up Screen lock](#) for more information.

1. Go to  > **Settings** >  **Connection & sharing** > **VPN** .
2. Tap **Add VPN** at the bottom of the screen.
3. Enter the corresponding information such as **Name** , **Type** , **Server address** , **IPSec identifier** , **IPSec CA certificate** , **IPSec server certificate** , **Username** , and **Password** of the VPN.
4. Tap ✓ to save the VPN.

Enable VPN


You need to set a screen lock to save your VPN settings. See [Set up Screen lock](#) for more information.

1. Go to  **Settings** >  **Connection & sharing** > **VPN** .
2. Tap  to enable **VPN**.
3. Choose a VPN to connect.


Note

If you connect a VPN successfully, you can see that the VPN icon shows at the upper-right corner of the phone.

Enable Airplane mode




1. Go to  **Settings** >  **Connection & sharing** .
2. Tap  to enable **Airplane mode**.

Tip


You can also swipe down from the upper-right corner of the phone to enable  **Airplane mode** on the Control center.

Enable NFC

NFC allows data exchange when the phone touches other compatible devices.

1. Go to  **Settings** >  **Connection & sharing** .
2. Tap  to enable **NFC**.

Tip




You can also swipe down from the upper-right corner of the phone to enable  **NFC** on the Control center.

Chapter 5 Phone and Messages


Phone

Make a Call



Make a call with Dialpad

1. Tap  **Phone**.
2. Tap  to open the Dialpad.
3. Enter the phone number.
4. Tap  to make a call.


Make a call from Favorites


1. Go to  **Phone** > **Favorites** .
2. Select a favorite contact to make a call.

Make a call from Recents


1. Go to  **Phone** > **Recents** .
2. Choose a contact and tap  to make a call.

Make a call from Contacts list

1. Go to  **Phone** > **Contacts** .
2. Choose a contact.

3. Tap the contact to view details.
4. Tap  or the phone number to make a call.

Answer a call

Swipe up  to answer a call.

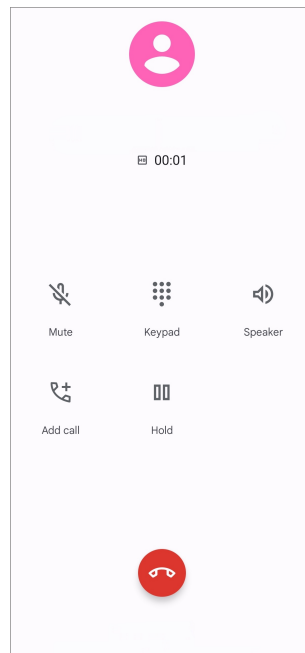
Silence a call

Press the Volume up or down button when the phone rings.

Decline a call

Swipe down  until  shows to decline a call.

Manage the call while on calling




Mute	Mute the call
Keypad	Enter numbers during a call
Speaker	Open the speaker to make voice loud
Add call	Add calls to the contact list
Hold	Put the current call on hold

Add a contact to Favorites


1. Go to  **Phone > Favorites** .

2. Tap **Add a favorite** and choose a contact to Favorites.

View recent calls



1. Go to  **Phone** > **Recents**.
2. Swipe up to view more recent calls.

Create a contact

1. Go to  **Phone** > **Contacts**.
2. Tap **Create new contact**.
3. Choose to save the contact to the device, Google account, or SIM cards.
4. Enter the information such as the name, the organization, and the phone number of a contact.
5. Tap **Save**.

View call history




You can view all incoming calls, outgoing calls, and missed calls.

1. Tap  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Call history**.

Settings



See Caller ID and spam ID

You can set the Caller ID and spam ID to identify business and spam numbers.

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings** > **Caller ID & spam**.
4. Tap  to enable **See caller and spam ID**.

Filter spam calls




You can enable the **Filter spam calls** to prevent suspected spam calls.

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings** > **Caller ID & spam**.

4. Tap  to enable **Filter spam calls**.



See verified calls

You can enable the **Verified Calls** to see the caller ID and reason for incoming calls from businesses.

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Caller ID & spam** .
4. Tap  to enable **Verified Calls**.




Set TTY mode

TTY mode is an abbreviation that refers to all types of teletypewriters. TTY mode helps people who are hearing impaired or have difficulty in speaking.

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Accessibility** .
4. Tap **TTY mode** to select a TTY mode.




Set assisted dialing

Assisted dialing predicts and adds a country code when you make a call abroad.

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Assisted dialing** .
4. Tap  to enable **Assisted dialing**.

Block a number






You do not receive calls or texts from blocked numbers.

1. Open  **Phone** .
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Blocked numbers** .
4. Tap  to enable **Unknown** to block numbers from unidentified callers.



Note

- You can tap **Add a number** to block calls and texts from a phone number.
- You can tap **X** to unblock a phone number from added numbers.


Incoming call settings



1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Calling accounts**.
4. Tap **Incoming call settings**.
 - Tap  to enable **Quiet ringer when lifted**. When you raise your phone, the ringer volume is reduced for incoming call.
 - Tap  to enable **Increasing ringtone volume**. The ringtone volume for incoming call grows to the level you set gradually.
 - Tap  to enable **Flash when ringing**. You can use flash to notify about the incoming calls.

Set display format

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Display options** .
4. Choose **Sort by**, **Name format**, or **Choose theme**.
 - Tap **Sort by** to select sort by **First name** or **Last name**.
 - Tap **Name format** to select **First name first** or **Last name first**.
 - Tap **Choose theme** to select **Light**, **Dark**, or **System default**.

Find nearby places




When you search from  **Phone**, this feature needs your location to find nearby places that match your query, even if they are not in your contacts.

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Nearby places** .

4. Tap  to enable **Nearby places**.

Set quick responses








You can set to show buttons for ending call and sending SMS.

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Quick responses** .
4. Tap  to enable **Quick responses**.



Note

You can tap a quick response to modify the text.

Set sounds and vibration

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Sounds and vibration** .
4. Choose to set sounds and vibration. See [Sound & vibration](#) for more information.
 - Tap  **Ringtone** on the right of the phone to choose a ringtone.
 - Drag the slider of **Ringtone** to adjust the volume.
 - Tap  to enable **Silent mode** to silence incoming calls and notifications.
 - Tap  to enable **Do not disturb** to not receive reminders for incoming calls and notifications.
 - Tap  to enable **Vibrate for calls**.
 - Tap  to enable **Vibrate in silent mode**.



Add a voicemail number

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Voicemail > Advanced Settings** .
4. Tap **Voicemail number** to enter a voice mailbox number.

5. Tap **OK** .




Announce caller ID

The caller's name and number are read out loudly for the incoming calls.



1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Caller ID announcement** .
4. Tap **Announce caller ID** to select the announcement frequency.

Flip to silence


You can place your phone face down on a flat surface to silence the incoming call.

1. Open  **Phone**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Flip To Silence** .
4. Tap  to enable **Flip To Silence**.


Help and feedback

You can go to  **Phone >  > Help & feedback** to search for issues about phone calls and send feedback.


Messages


You can use  **Messages** to send and receive texts, photos, videos, and audio messages. You can also share GIFs, stickers, locations, contacts, and files with others.

Send a message


1. Open  **Messages**.
2. Tap **Start chat** to start a new conversation.
3. Choose a contact to send a message.

Send MMS messages to a group



1. Open  **Messages**.
2. Tap **Start chat** to start a new conversation.

3. Tap **Create group** and add contacts to the new MMS (Multimedia Messaging Service) group.
4. Tap **Next** at the upper-right corner of the phone.
5. Enter a group name, then tap **Next** to create the group.
6. Tap the text field to text an MMS message and tap .



View a message

1. Open  **Messages**.
2. Select a message.
3. Tap the message to view your conversation.



Reply a message

1. Open  **Messages**.
2. Tap a message that you want to reply.
3. Tap the text field to text a message.
4. Tap  to send the message.

Pin a conversation

1. Open  **Messages**.
2. Touch and hold a conversation.
3. Tap .



Archive a conversation

1. Open  **Messages**.
2. Touch and hold a conversation.
3. Tap .

Tip




You can also swipe a conversation left or right to archive the conversation.

Add contact from a message



1. Open  **Messages**.
2. Touch and hold a conversation.
3. Tap  at the upper-right corner of the phone.

4. Tap **Add contact**.

Mute notifications from a message sender

1. Open  **Messages**.
2. Touch and hold a conversation.
3. Tap  at the upper-right corner of the phone.
4. Tap **Mute notifications**.
5. Tap  to disable **Show notifications**.



Block a spam or conversation

1. Open  **Messages**.
2. Touch and hold a spam or a conversation.
3. Tap  at the upper-right corner of the phone.
4. Tap **Block**.
5. Tap **OK**.



Note

The spam or conversation is moved to **Spam & blocked**.

Pair a device



1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Device pairing**.
4. Tap **QR code scanner** .
5. Scan the QR code shown on messages.google.com/web.

Choose a theme



1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Choose theme**.
4. Select **Light**, **Dark**, or **System default** theme.

5. Tap **OK** .

View an archived conversation

1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Archived**.
4. Tap a conversation to view details.

View a spam or blocked conversation









1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Spam & blocked**.
4. Tap a spam or blocked conversation to view details.

Note

You can tap **Unblock** to unblock the conversation.

Settings




Show message notifications

1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Notifications** .
4. Tap  to enable **Show notifications**.
5. Choose to manage message notification settings.
 - Tap  to enable **Allow notification badges**.
 - Tap  to enable **Allow floating notifications**.
 - Tap  to enable **Allow Lock screen notifications**.
 - Tap  to enable **Allow playing sound**.
 - Tap  to enable **Allow vibration**.



Note

You can tap **Incoming messages** or **Other notifications** to set the sound, vibration, or notification format for incoming messages and other notification.




Hear outgoing message sounds

1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Settings**.
4. Tap  to enable **Hear outgoing message sounds**.



Set automatic previews

1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Automatic previews** .
4. Choose to enable **Show all previews**, **Show only web link previews**, or **Only download data on Wi-Fi**.



Enable spam protection

1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > Spam protection** .
4. Tap  to enable **Enable spam protection**.

View Privacy Policy



1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > About, terms & privacy** .
4. Tap **Privacy Policy**.

View Terms of Service

1. Open  **Messages**.
2. Tap  at the upper-right corner of the phone.
3. Go to **Settings > About, terms & privacy** .

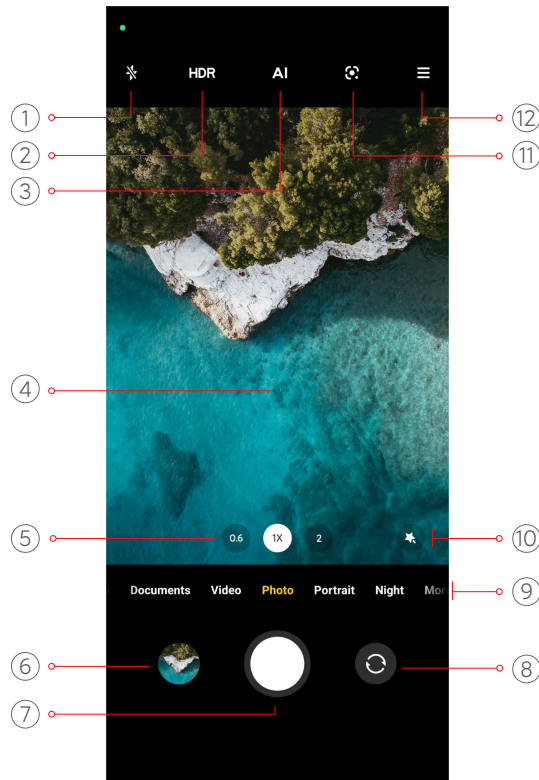
4. Tap **Terms of Service**.

Help and feedback

You can go to  **Messages** >  > **Help & feedback** to search for issues about messages and send feedback.

Chapter 6 Camera

Camera overview



1. Flash

2. HDR

3. AI camera

4. Viewfinder

5. Zoom levels

6. Gallery

7. Shutter button

8. Switch button

9. Camera modes



10. Beautify and Filters

11. Google Lens

12. More

Open the camera

Open the camera with four methods.

- Tap  **Camera** on the Home screen to open camera.
- Touch and hold  and swipe left to open camera when the screen is locked.
- Double press the Volume down button to open camera when the screen is locked. See [Launch camera shortcut](#) for more information.

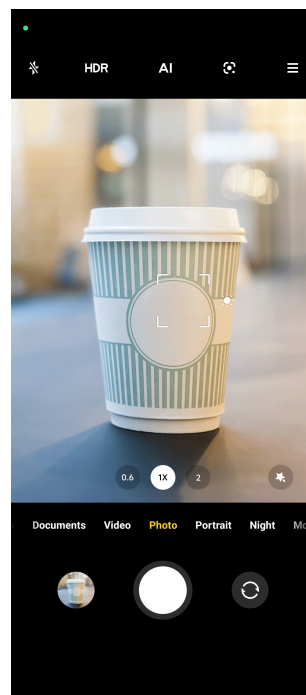
- Double press the Power button to open camera when the screen is locked or unlocked. See [Launch camera shortcut](#) for more information.


Tip

You will not be able to see your **Gallery** items if you launch camera on the Lock screen without verifying your password.

Basic features

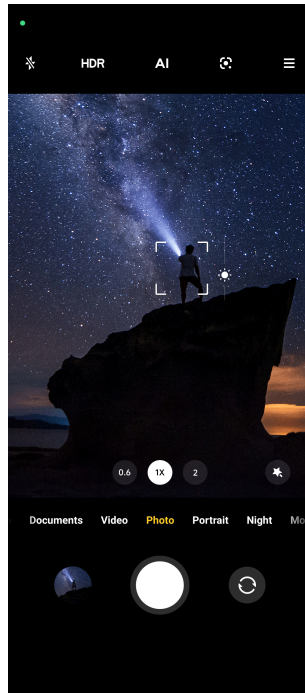
Set the focus



1. Open  **Camera**.
2. Tap the screen to show the focus ring and exposure setting.
3. Tap the area that you want to focus on.

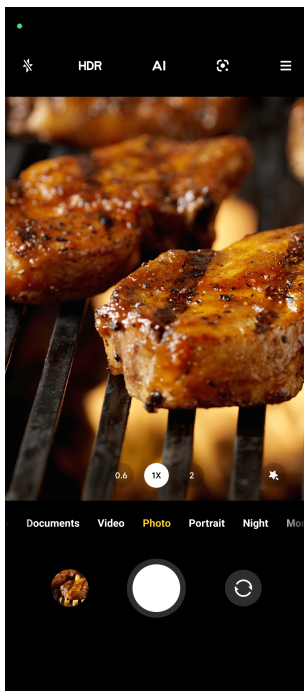
Adjust the exposure

When you take a photo in a low-light or an overexposed environment, adjust the exposure to adjust the brightness of your photo.



1. Open **Camera**.
2. Tap the screen to show the focus ring and exposure setting.
3. Drag up or down beside the focus ring to adjust the exposure.

Zoom in or out



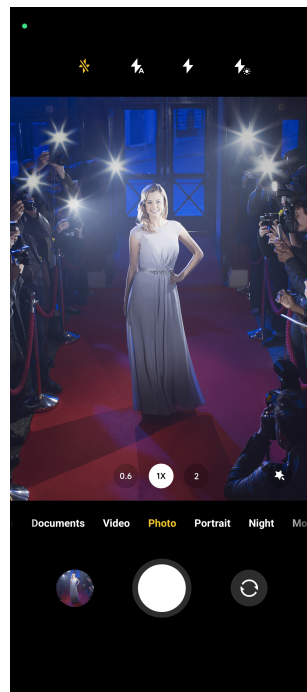
1. Open **Camera**.
2. Pinch the screen to zoom in or out on the viewfinder.







💡 Tip

- You can also toggle 0.6X, 1X, and 2X to zoom in or zoom out.
- After you pinch the screen to 2X zoom level, you can drag the slider to zoom in or out.

Turn on the flash



When you take a photo in a low-light environment, turn on the flash to make your photos clearer.



1. Open  **Camera**.
2. Tap .
3. Choose flash types.
 - Tap  to enable automatic flash.
 - Tap  to enable flash after you tap .
 - Tap  to make flash always on.

Useful features




Adjust the aspect ratio

1. Open  **Camera**.
2. Tap  at the upper-right corner.

3. Choose an aspect ratio such as **1:1**, **3:4**, **9:16**, or **Full**.




Set a timer

You can set a countdown to give yourself time to take a photo.

1. Open  **Camera**.
2. Tap  at the upper-right corner.
3. Choose **3S**, **5S**, or **10S**.
4. Tap  to start the timer.




Add a movie frame

The movie frame changes the aspect ratio of your photo to a movie aspect ratio, and adds a movie effect to your photo.

1. Open  **Camera**.
2. Tap  at the upper-right corner.
3. Tap  **Movie frame**.

Enable Voice shutter




Voice shutter enables you to control the shutter with voice to take photos.

1. Open  **Camera**.
2. Tap  at the upper-right corner.
3. Tap  **Voice shutter**.

You can now say "Cheese!" to take a photo.

Show gridlines

You can use gridlines to straighten or compose your photo.




1. Open  **Camera**.
2. Tap  at the upper-right corner.
3. Tap  **Gridlines** to show gridlines.

Tip

You can tap  to choose **Center mark** or **Straighten** gridlines types.




Enable Macro

Macro enables you to take photos or videos of an object in a close distance.



1. Open  **Camera**.
2. Tap  at the upper-right corner.
3. Tap  **Macro**.

Enable Tilt-shift

You can use **Tilt-shift** to make certain area clear and other places blurred in your photo.

1. Open  **Camera**.
2. Tap  at the upper-right corner.
3. Tap  **Tilt-shift** to enable **Tilt-shift**.





Note

- You can tap  for circle tilt-shift or  for linear tilt-shift.
- You can move the tilt-shift area to the place that you want to blur or be clear.

Enable Timed burst




You can use **Timed burst** to take a series of photos within the interval you set.

You can use **Timed burst** in **Pro** and **Photo** modes.

1. Open  **Camera**.
2. Tap  at the upper-right corner.
3. Tap  **Timed burst** to enable **Timed burst**.
4. Tap  to show the sliders for **Number of photos** and **Interval**.
5. Set the numbers and the interval.

Disable automatic HDR

High dynamic range (HDR) supports you to take photos in high-contrast situations. HDR brings more highlight and shadow details to the photos.


1. Open  **Camera**.
2. Tap  **HDR**.
3. Tap  **HDR**.

💡 Tip

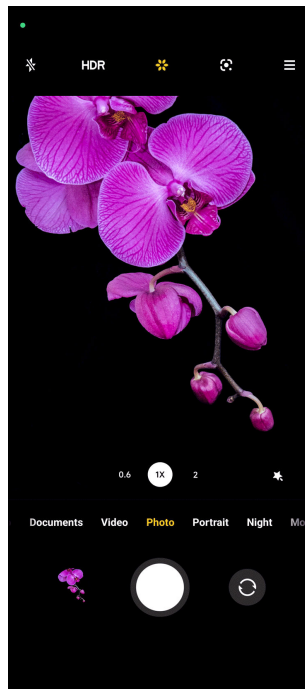
The camera enables automatic HDR by default. You can also tap **HDR** to make HDR always on.

Enable AI camera

AI camera identifies subjects and scenes intelligently and optimizes the camera settings accordingly. It can identify a variety of scenes, such as blue sky, snowy weather, sunrise and sunset, greenery, and document.

1. Open  **Camera**.
2. Tap **AI** to enable AI camera.



When you are taking a photo, AI camera shows the identified icons.



Add a movie filter

A movie filter creates a cinematic feel to your video.

You can apply **Movie filters** in **Pro** mode when you take a video.



1. Open  **Camera**.
2. Select **Video**.
3. Tap .

4. Choose a movie filter.

Enable Steady video

You can use **Steady video** to improve the smoothness of a video.



You can use **Steady video** in **Video** mode.

1. Open  **Camera**.
2. Select **Video**.
3. Tap .



Add Beautify and Filters effects

Beautify helps beautify the body part that you want to. **Filters** helps apply a filter effect.

You can add **Beautify** and **Filters** effects in **Photo** and **Portrait** modes and add **Beautify** and **Bokeh** effects when you take a video.

1. Open  **Camera**.
2. Tap  to choose to add **Beautify** and **Filters** effects.
 - Tap **Beautify** and drag the slider to adjust beautify effect.
 - Tap **Filters** and choose a filter effect.

Adjust video resolution and frame rate

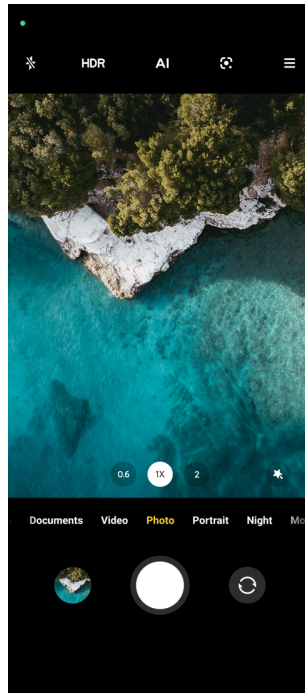
1. Open  **Camera**.
2. Select **Video**.
3. Tap  at the upper-right corner.
4. Choose a video resolution and frame rate.



Note

You can adjust video resolution and frame rate in both **Pro** and **Video** modes when you take a video.

Take photos

The default camera mode is **Photo**, you can swipe left or swipe right to choose other modes to shoot.





1. Open  **Camera**.
2. Adjust the basic camera features based on your needs. See [Basic features](#) for more information.
3. Tap  to take a photo.


Take a selfie



1. Open  **Camera**.




2. Tap  to switch to the front camera.
3. Tap  to take a selfie.

Tip




You can tap  to apply **Beautify** and **Filters** effects. See [Add Beautify and Filters effects](#) for more information.

Take videos



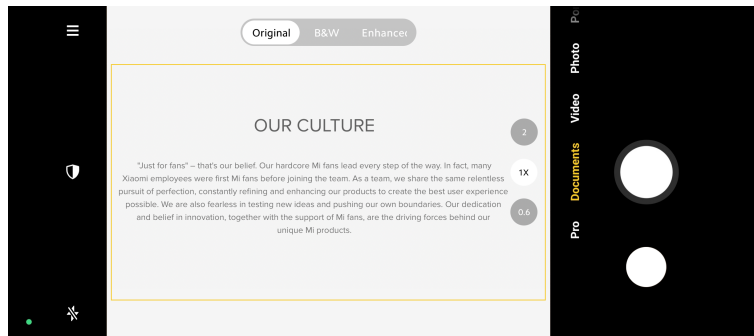
1. Open  **Camera**.
2. Select **Video** mode.
3. Tap  to start shooting.
4. Tap  to stop shooting.

Tip



When taking a video, you can tap  to pause your shooting and tap  to continue.
You can also tap  to take a photo while shooting.

Take Documents mode photos



You can take a picture for a document such as paper, PowerPoint, and blackboard in Documents mode. It can modify lens distortion and adjust perspective and support you to take a straight photo. Documents mode also enables you to add watermarks to protect your documents from unauthorized copying.



When you tap **Documents** for the first time, the option is not present. You can tap **Documents** again after downloading.

1. Open  **Camera**.
2. Select **Documents**.
3. Point camera at the subject and wait for the camera to identify the document area in the yellow frame.
4. Tap  to take a photo.

Tip




- You can tap  to edit the text of the protective watermark.
- You can go to  **Gallery** to view and adjust the document area.




Pro mode

You can adjust the white balance, focus, shutter speed, ISO sensitivity, exposure verification, lenses, and other features to take professional photos and videos.







Pro features

- Tap **WB** to select the white balance effects. When you shoot in different environments, you can apply the corresponding WB effects such as incandescent, daylight, and cloudy.
- Tap **F** and drag the slider to adjust the focus. When your camera is close to a subject, you can drag the slider to the left side. When your camera is far away from a subject, drag the slider to the right side.
- Tap **S** and drag the slider to adjust the shutter speed. When you shoot a stationary scene or portrait, you can lower the shutter speed. When you shoot a moving object, increase the shutter speed.

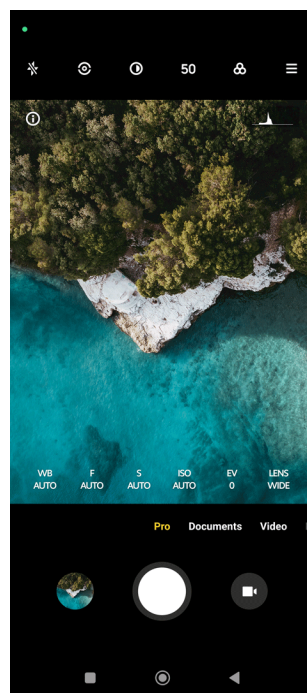
- Tap **ISO** and drag the slider to adjust ISO sensitivity. When you shoot in a low-light condition, you can increase the ISO value. When you shoot in a bright condition, decrease the ISO value.
- Tap **EV** and drag the slider to adjust exposure verification. When you shoot in a low-light condition, you can increase the EV value. When you shoot in a bright condition, you can lower the EV value.
- Tap **LENS** to select lenses. You can tap  for ultra-wide photos or  for wide photos.
- Tap  to select **Metering modes**.



	Measure light on the center area of the frame.
	Measure light in the whole frame.
	Measure light in one spot in the frame.

Tip

- You can go to  **Camera** >  >  **Settings** to enable **Exposure verification**. The feature highlights underexposed areas in blue and overexposed areas in red and helps you to adjust exposure accordingly.
- You can go to  **Camera** >  >  **Settings** to enable **Focus peaking**. The feature places a red highlight on the in-focus area and helps you to adjust focus accordingly.





Take photos in Pro mode



1. Open  **Camera**.
2. Select **Pro** mode.
3. Adjust the Pro features such as **WB, F, S, ISO, EV, LENS** and **Metering modes**. See [Pro features](#) for more information.
4. Tap  to take a photo.

Take videos in Pro mode



1. Open  **Camera**.
2. Select **Pro** mode.
3. Tap  to switch to shoot a video.
4. Adjust the Pro features. See [Pro features](#) for more information.
5. Tap  to start shooting.
6. Tap  to stop shooting.

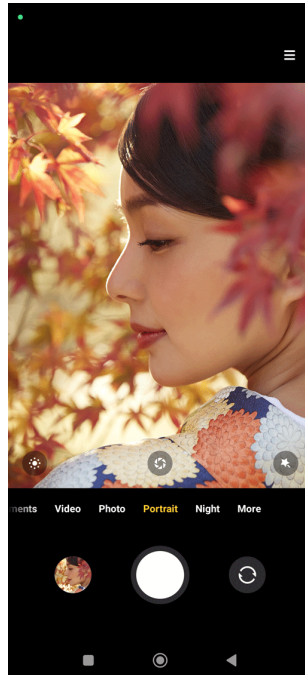
📘 Note

When taking a video, you can tap ⏸ to pause your shooting and tap ▶ to continue.

You can also tap 📷 to take a photo while shooting a video.

Take photos in Portrait mode

You can use **Portrait** mode to apply **Cinematic**, **Beautify** and **Filters** effects. You can enable this feature to add a blurred background to your photos.



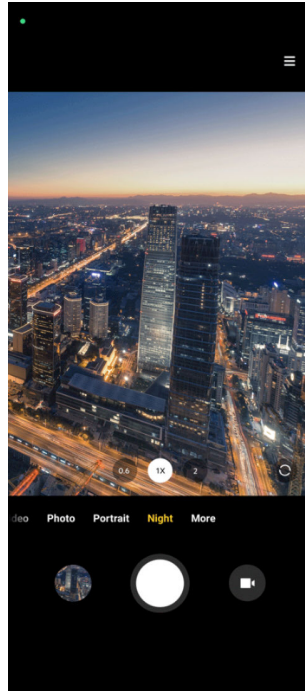
1. Open 📷 **Camera**.
2. Select **Portrait** mode.
3. Choose to add effects.
 - Tap 🌟 to apply a cinematic effect.
 - Tap 📏 and drag the slider to adjust the aperture. A lower aperture value creates a more blurred background behind the portrait.
 - Tap ✨ to beautify the portrait and add filters.
4. Tap ○ to take a photo.



💡 Tip

You can tap  to take photos with the front camera.

Take photos in Night mode




Night mode captures more details and brightens your photos in low-light conditions.




1. Open  **Camera**.
2. Select **Night**.
3. Tap .




Take photos in Panorama mode

You can take a wide landscape photo or you can take a photo for large groups in Panorama mode.

1. Open  **Camera**.
2. Select **More**.
3. Tap  **Panorama**.
4. Point the camera at the starting scene of the Panorama photo.
5. Tap  to start your Panorama photo.




6. Keep the camera align with the arrow and move according to the arrow direction when you are shooting.
7. Tap  to finish the Panorama photo.

Note

- You can tap  to change the starting scene from horizontal level to vertical level. You can tap  to change the start direction from left to right or from bottom to top.
- If you finish the Panorama photo all the way along the reference line, it ends automatically. You can go to  **Gallery** to view and edit the photo.

Take photos in 50MP mode






The 50MP mode supports to take photos in 50MP Ultra HD. The ultra-high image resolution helps in post-processing.




1. Open  **Camera**.
2. Select **More**.
3. Tap  **50MP**.
4. Tap  to take a photo.

Take videos in Short video mode

You can apply different effects to take a short video for 1 to 15 seconds.

When you tap **Short video** for the first time, the option is not present. You can tap **Short video** again after downloading.







1. Open  **Camera**.
2. Select **More**.
3. Tap  **Short video**.
4. Choose to set up your shooting.
 - Tap  to add background music.
 - Tap  to apply the speed effect.
 - Tap  and choose to apply **Beautify** effect, **Filters** effect, or **Kaleidoscope** effect.

5. Tap  to start shooting.
6. Tap  to stop shooting.
7. Tap  to save your shooting.


Take videos in VLOG mode

VLOG mode provides diverse vlog scenes. With the preset parameters, background music, and clip styles, you can take a charming vlog easily.

When you tap **VLOG** for the first time, the option is not present. You can tap **VLOG** again after downloading.

1. Open  **Camera**.
2. Select **More**.
3. Tap  **VLOG**.
4. Choose a VLOG mode.
5. Tap  to apply the mode.
6. Tap  to start shooting video clips.
7. Tap  to preview the shooting.
8. Tap  to save your shooting.

Tip




When you finish a vlog clip, you can tap  to preview the clip.

Note

You can only shoot vlogs in landscape mode.

Take videos in Slow motion mode







You can record a slow motion video in **Slow motion** mode.

1. Open  **Camera**.
2. Select **More Slow motion**.
3. Tap .
4. Tap  to start shooting.

5. Tap  to stop shooting.

Take videos in Time-lapse mode

Time-lapse mode takes a video for several minutes or even hours, and then condenses the videos with a higher speed. You can capture the beauty of change such as drifting clouds, sunrise and sunset, and blossoming flowers.

1. Open  **Camera**.
2. Select **More**.
3. Tap  **Time-lapse**.
4. Choose to set up your shooting.
 - Tap  to choose **Speed** and **Duration**.
 - Zoom in or zoom out the photo.
 - Tap  to adjust parameters. See [Pro features](#) for more information.
5. Tap  to start shooting.
6. Tap  to stop shooting.





Tip

You can use a tripod to keep your camera steady when you are shooting.

Take photos in Long exposure mode

Long exposure mode keeps the shutter open for a period of time. When you shoot a waterfall, a crowded street, or moving light, long exposure can capture the trail of the objects.

When you tap **Long exposure** for the first time, the option is not present. You can tap **Long exposure** again after downloading.

1. Open  **Camera**.
2. Select **More**.
3. Tap  **Long exposure**.
4. Choose a corresponding scene.
5. Tap  to start to shoot.
6. Tap  to stop to shoot.

Tip






You can use a tripod to keep your phone steady when you are shooting to get a clear photo.

Clone mode

Clone mode supports to take photos or videos of the same person at some intervals in one photo or video. You can take many creative photos and videos.

When you tap **Clone** for the first time, the option is not present. You can tap **Clone** again after downloading.






Take photos in Clone mode

1. Open  **Camera**.
2. Select **More**.
3. Tap  **Clone**.
4. Tap **Photo** and then tap .
5. Point the camera to the subject and wait for the camera to identify your subject.
6. Tap  to take a photo.
7. Tap  to save the photo.

Note

You can create up to 4 clones at a time.

Take videos in Clone mode

1. Open  **Camera**.
2. Select **More**.
3. Tap  **Clone**.
4. Tap **Video** or **Freeze frame**, and then tap .
5. Point the camera to the subject and wait for the camera to identify your subject.
6. Tap  to start shooting.
7. Tap  to stop the shooting.

8. Tap  to save the shooting.



Note

You can create up to 2 clones at a time.


Camera settings

You can go to  **Camera** >  >  **Settings** to open **Camera settings**.



Add a watermark

1. Open **Camera settings**.
2. Tap **Watermark**.
3. Choose to add watermark types.
 - Tap  to enable **Add time stamp on photos**.
 - Tap  to enable **Device watermark**.
 - Tap **Custom watermark** to add your watermark.

Note

You need to tap  to enable **Device watermark** first before you add the custom watermark.

Enable Smart suggestions

1. Open **Camera settings**.
2. Tap **Smart suggestions**.
3. Choose smart suggestions. The feature is usually enabled by default.
 - Tap  to enable **Document scanner**. The feature displays a shortcut whenever the AI camera detects a document or presentation slide.
 - Tap  to enable **Scan QR codes**. The feature only enables the rear camera to scan QR codes in **Photo** mode.

Enable Notify about orientation


The camera notifies about orientation when the phone is parallel to the ground.

1. Open **Camera settings**.

2. Tap  to enable **Notify about orientation**.


Enable Motion capture

Track motion is to minimize blur on the photos of children, pets, and other active subjects.

1. Open **Camera settings**.
2. Tap  to enable **Motion capture**.


Enable Auto night mode

Auto night mode can detect low light conditions and improve image quality automatically.

1. Open **Camera settings**.
2. Tap  to enable **Auto night mode**. The feature is usually enabled by default.

Enable HEIF format

High efficiency image file format saves storage space.

1. Open **Camera settings**.
2. Tap  to enable **HEIF format**.

Note

You cannot take live photos and remove watermarks in HEIF mode.

Set picture quality

1. Open **Camera settings**.
2. Tap **Picture quality** to choose **High**, **Standard**, or **Low**.

Set up volume buttons function

1. Open **Camera settings**.
2. Tap **Volume buttons function** to choose **Shutter**, **Timer (2s)**, **Zoom**, or **Volume**.

Tap to take a photo

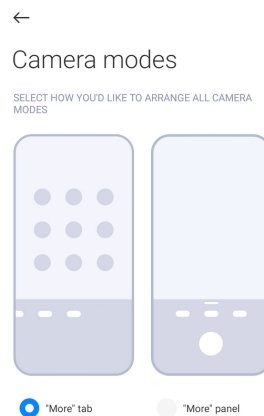
You can tap the preview screen to take a photo.

1. Open **Camera settings**.

2. Tap to enable **Tap to take a photo**.

Customize the camera

1. Open **Camera settings**.
2. Tap **Customize** to choose customized types.
 - Tap **Feature Layout** to rearrange the icons on both camera start screen and **More** features screen.
 - Tap **Camera modes** to select "**More**" tab or "**More**" panel.



- Tap **Colors** to select a color.
- Tap **Sound** to select **Default**, **Retro**, **Film**, or **Modern**.

Save location info

1. Open **Camera settings**.
2. Tap to enable **Save location info**.



Enable the shutter sound

1. Open **Camera settings**.
2. Tap to enable **Shutter sound**. The feature is usually enabled by default.

Preserve settings

Preserve settings can preserve the previously used mode rather than automatically reset to default preferences.

1. Open **Camera settings**.
2. Tap **Preserve settings** to choose to enable or disable the previous settings.
 - Tap to enable **Camera mode**. **Camera mode** preserves the previously used mode along with the front or rear camera selection.

- Tap  to enable **Beautify**. **Beautify** preserves Beautify preferences selected during the previous session. The feature is enabled by default.
- Tap  to enable **AI camera**. **AI camera** preserves AI camera status set during the previous session. The feature is enabled by default.

Set Anti banding

1. Open **Camera settings**.
2. Tap **Anti banding** to choose **Off**, **50Hz**, **60Hz**, or **Auto**.

Autostart

Autostart makes camera more responsive by allowing it to autostart. You can tap **Autostart** to manage autostart permissions in App info.

View Privacy Policy






1. Open **Camera settings**.
2. Tap **Privacy Policy**.

Restore default settings




1. Open **Camera settings**.
2. Tap **Restore default settings**.
3. Tap **OK**.

More settings

Mirror front camera





1. Open  **Camera**.
2. Tap  to switch to the front camera.
3. Go to  >  **Settings** to open **Camera settings**.
4. Tap  to enable **Mirror front camera**.

Set camera settings in Video mode

1. Open  **Camera**.
2. Select **Video** mode.
3. Go to  >  **Settings** to open **Camera settings**.
4. Choose to set camera.


- Tap **Video encoder** to select high compatibility or high performance video encoder.
- Tap to enable **Allow tagging videos**. You can tap **Tag** while shooting a video to go back to tagged moment during playback.
- Tap to enable **Shoot with screen off**. While shooting, the phone turns off screen after 3 minutes of inactivity to save power.

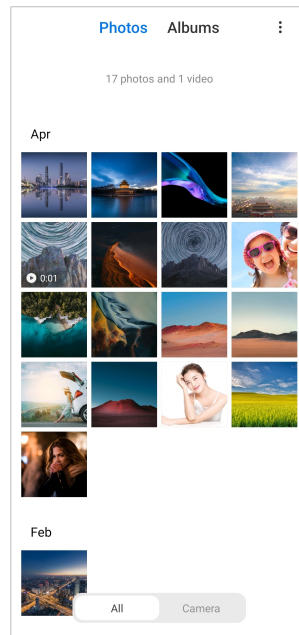
Set camera settings in Pro mode

1. Open  **Camera**.
2. Select **Pro** mode.
3. Tap  to switch to shoot a video.
4. Go to  >  **Settings** to open **Camera settings**.
5. Choose to set camera. See [Set camera settings in Video mode](#) for more information when taking a video.
 - Tap to enable **Image stabilization**.
 - Tap to enable **Histogram**. **Histogram** allows the camera to show real-time exposure feedback when you are shooting.

Chapter 7 Gallery

Gallery overview


Open  **Gallery** to view all the visual media stored on your phone. You can view, edit, and manage pictures and videos.










Photos








You can view photos and videos organized by days, months, or years.

View pictures


1. Go to  **Gallery** > **Photos** .
2. Tap a picture to view details.
3. Swipe left or right to view other pictures or videos.

Edit pictures



1. Go to  **Gallery** > **Photos** .
2. Choose a picture.
3. Tap  to edit the picture.
4. Choose **Basic** or **AI** to apply different effects.
 - Tap  **Auto** to apply auto effects to your picture.
 - Tap  **Crop** to crop the picture into a different size.
 - Tap  **Filter** to add color effects.
 - Tap  **Adjust** to adjust the exposure, brightness, contrast, saturation, vibrance, warmth, tint, highlights, fade, grain, sharpness, and vignette of the picture.
 - Tap  **Doodle** to make doodles or add different shapes.

- Tap  **Text** to add markup or text.
 - Tap  **Mosaic** to apply mosaics to the picture.
 - Tap  **Erase** to remove visual clutter.
 - Tap  **Sky** to add a sky background.
 - Tap  **Sticker** to make your selfies cooler with lots of funny stickers.
 - Tap  **Frame** to add a frame to the picture and change the aspect ratio.
5. Tap  to save your modifications.
 6. Tap **Save** .


Tip


You can touch and hold  to see the original picture and release to see the adjusted picture.

Manage pictures



1. Go to  **Gallery** > **Photos** .
2. Choose a picture.
3. Tap  to manage the picture.
 - Tap **Add to album** to move the picture to an album.
 - Tap **Adjust** to adjust the picture.
 - Tap **Protective watermark** to add watermarks to the picture.
 - Tap **Set as wallpaper** to set the picture as wallpaper.
 - Tap **Start slideshow** to showcase the picture in a slideshow.
 - Tap **Rename** to change the picture name.
 - Tap **Google Lens** to identify the photo.
 - Tap **Details** to view and edit information about the picture.

Play videos



1. Go to  **Gallery** > **Photos** .
2. Choose a video.

3. Tap .
4. Swipe left or right to view other pictures or videos.



Edit videos

1. Go to  **Gallery** > **Photos** .
2. Choose a video.
3. Tap  to edit the video.
 - Tap **Editor** to cut the video into segments.
 - Tap **Filters** to add visual effects.
 - Tap **Enhance** to adjust the exposure, brightness, contrast, saturation, vibrance, warmth, tint, highlights, fade, grain, sharpness, and vignette of the video.
 - Tap **Captions** to add text.
 - Tap **Soundtrack** to add background music.
 - Tap **Aspect ratio** to change the aspect ratio.
4. Tap **Save** .

Manage videos



1. Go to  **Gallery** > **Photos** .
2. Choose a video.
3. Tap  to manage the video.
 - Tap **Add to album** to add the video to a private or other album.
 - Tap **Set video wallpaper** to set the video as wallpaper.
 - Tap **Rename** to change the video name.
 - Tap **Details** to view and edit information about the video.

Share photos and videos

1. Go to  **Gallery** > **Photos** .
2. Choose a picture or video.
3. Tap .

4. Choose an app or connection to share your selection.



Mark a photo or video as favorite

1. Go to  **Gallery** > **Photos** .
2. Choose a picture or video.
3. Tap .

Note

You can go to  **Gallery** > **Albums** to view the favorite photo and video in **Favorites** album.

Delete photos and videos

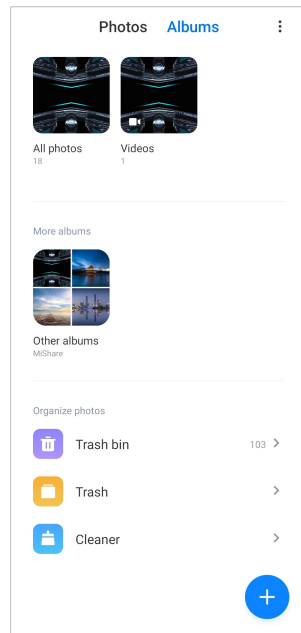
1. Go to  **Gallery** > **Photos** .
2. Choose a picture or video.
3. Tap .
4. Tap **Delete** in the pop up window.

Tip



You can also touch and hold an item to select multiple photos or videos to delete.

Albums

Your photos are organized automatically by categories, such as Favorites, Camera, Screenshots and screen recordings, and Videos. You can view the organized albums or create new albums.





Create an album

1. Go to  **Gallery > Albums** .
2. Tap  at the lower-right corner of the phone.
3. Enter the album name.
4. Follow the instruction to add photos or videos to the album.

Tip

You can also choose not to add photos or videos to the album.

Rename an album


1. Go to  **Gallery > Albums** .
2. Press and hold the album that you want to rename.
3. Tap  **Rename**.
4. Enter the new album name.
5. Tap **OK** .

Note

You cannot rename the default album name such as **All photos**, **Favorites**, **Videos**, and **Screenshots and screen recordings**.

Hide albums



1. Go to  **Gallery > Albums** .

2. Press and hold the album that you want to hide.
3. Tap  **Hide**.
4. Tap **OK** in the pop up window.



Note

If you want to view the hidden albums, you can see [View hidden albums](#) for more information.




Delete albums

1. Go to  **Gallery > Albums** .
2. Press and hold the album that you want to delete.
3. Tap  **Delete**.
4. Tap **OK** in the pop up window.

Manage albums

1. Go to  **Gallery > Albums** .
2. Press and hold the album that you want to manage.
3. Tap  **More**.
 - Tap **Show in Photos** to add pictures to Photos album.
 - Tap **Move to other albums** to move the album to other albums.
 - Tap **Change album cover** to select a new picture as an album cover.




Edit a video with Video editor

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Video editor**.
4. Select one or more videos.
5. Tap  to import the videos.
6. Use video editing tools to edit the video.
 - Tap **Templates** to select a template.
 - Tap **Editor** to add transitions or new videos and cut the video into segments.

- Tap **Filters** to add a filter effect to the video.
- Tap **Enhance** to adjust the exposure, brightness, contrast, saturation, vibrance, warmth, tint, highlights, fade, grain, sharpness, and vignette of the video.
- Tap **Captions** to add texts or credits.
- Tap **Soundtracks** to adjust the volume levels and add background music or sound to the video.
- Tap **Aspect ratio** to adjust the aspect ratio of the video.




7. Tap **Save** .

Create a collage

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Collage**.
4. Select 1 to 6 photos.
5. Tap  to import the photos.
6. Choose a collage style.
 - Tap **Poster** to select a poster style collage.
 - Tap **Layout** to select a layout. Then you can tap **Margins** to add margins and tap **Aspect ratio** to change the aspect ratio of the whole collage.
 - Tap **Film roll** to select a film roll style collage.
7. Tap **Save** .

Create a clip

You can share photos from  **Gallery** by creating a slideshow of your pictures with video effects and music.

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Clip**.
4. Select 3 to 20 photos and tap  to import the photos.



5. Use editing tools to edit the clip.
 - Tap **Templates** to select a template.
 - Tap **Audio** to add background music or sound to the clip.
 - Tap **Edit** to add more photos or delete some photos.
6. Tap **Save** .

Note

You can choose to create a video for **10s** or **Longer video** at the upper-middle of the phone.



Edit a video with Video effects

Use Video effects to apply interesting effects on portrait videos.

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Video effects**.
4. Tap **Start** and select 1 video.
5. Tap **Next** to import the video.
6. Press and hold the video effects to apply different effects to the video.
7. Tap **Save** .

Free up space

Free up space clears photos in your Gallery to free up storage space.



1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Free up space**.

The system starts scanning the **Gallery** automatically.



4. Tap **View** or **View details**.
5. Select the photos that you want to delete.
6. Tap **Delete selected photos** .

7. Tap **Delete** in the pop up window.

Set album sort format

1. Go to  **Gallery > Albums** .
2. Tap  at the upper-right corner of the phone.
3. Tap **Sort**.
4. Choose an album sort format.

Set album view format

1. Go to  **Gallery > Albums** .
2. Tap  at the upper-right corner of the phone.
3. Tap **List view** to view albums in list format.

Note




You can also go to  **Gallery > Albums >  > Grid view** to view albums in grid format.

Gallery Settings



Enable Select best photo

MIUI analyzes similar photos and marks the best photos for you.

Select best photo is enabled by default. You can also disable the feature to remove marks from photos.

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Settings**.
4. Tap  to enable **Select best photo**.



View hidden albums

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Settings** .
4. Tap **View hidden albums** .




Tip

If you want to hide albums, you can see [Hide albums](#) for more information.





Set the time for each slide

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Settings**.
4. Tap **Show each slide for** to enter interval.
5. Tap **OK**.

Loop all slides

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Settings**.
4. Tap  to enable **Loop all slides**.



Set secure sharing

1. Open  **Gallery**.
2. Tap  at the upper-right corner of the phone.
3. Tap **Settings** .
4. Tap **Secure sharing** .
5. Choose to set secure sharing.
 - Tap  to enable **Share without location info by default** to remove location info from shared photos. **Share without location info by default** is enabled by default.
 - Tap  to enable **Share without metadata by default** to remove device model, metadata, and other information. **Share without metadata by default** is enabled by default.

Convert HEIF before sending

The system converts HEIF images to JPEG before sending.




1. Open  **Gallery**.

2. Tap  at the upper-right corner of the phone.
3. Tap **Settings**.
4. Tap  to enable **Convert HEIF before sending**. The feature is usually enabled by default.

Chapter 8 Personalize your phone

Date and time




Set time automatically

1. Go to  **Settings** >  **Additional settings** > **Date & time** .
2. Tap  to enable **Set time automatically**.

Note

If you disable **Set time automatically**, you can set the date and time manually.



Set time zone automatically

1. Go to  **Settings** >  **Additional settings** > **Date & time** .
2. Tap  to enable **Set time zone automatically**.



Note

If you disable **Set time zone automatically**, you can select time zone according to your region.

Use location to set time zone

1. Go to **Settings** >  **Additional settings** > **Date & time** .
2. Tap  to enable **Use location to set time zone**.

Choose time format

1. Go to  **Settings** >  **Additional settings** > **Date & time** > **Time format** .
2. Choose **12-hour 1:00 PM**, **24-hour 13:00**, or **Auto (based on system language)**.

Enable Dual clock

The phone shows Dual clock when current time is different from that on the second clock.

1. Go to  **Settings** >  **Additional settings** > **Date & time** .



2. Tap  to enable **Dual clock**.

Note



- You can tap **Second clock** to choose the region or time zone of the second clock.
- Dual clock is displayed on the Lock screen, Home screen, and turned off screen.

Languages and regions

Set the language

1. Go to  **Settings** >  **Additional settings** > **Languages & input** > **Languages** .
2. Choose and set the language from language list.




Set the region

1. Go to  **Settings** >  **Additional settings** > **Region** .
2. Choose and set the region from region list.

Always-on display & Lock screen



Enable Always-on display

Always-on display enables items, such as signature, analog, kaleidoscope, digital, or background to be shown when the screen is locked.


1. Go to  **Settings** >  **Always-on display & Lock screen** > **Always-on display** .
2. Tap  to enable **Always-on display**.

Set Display items



Enable **Always-on display**. See [Enable Always-on display](#) for more information.

1. Go to  **Settings** >  **Always-on display & Lock screen** > **Always-on display** > **Display items** .
2. Choose **For 10 seconds after tapping**, **Always**, or **Scheduled**.

Tip

You can tap  to enable **Turn off when Battery saver is on** to reduce power consumption.




Customize always-on display

1. Go to  **Settings** >  **Always-on display & Lock screen** > **Always-on display** .
2. Tap the corresponding items to customize always-on display.

Note



You can tap **My theme** to add images or select **Signature, Analog, Kaleidoscope, Digital**, and **Select background** to change.

Set Notification effect

1. Use two methods to open **Notification effect**.
 - Go to  **Settings** >  **Always-on display & Lock screen** > **Notification effect** .
 - go to  **Settings** > **Notifications & Control center** > **Notification effect** .
2. Choose a notification effect.




Set sleep time

Set sleep time to lock the screen automatically.

1. Go to  **Settings** >  **Always-on display & Lock screen** > **Sleep** .
2. Choose an inactivity interval.

Raise to wake


When you raise the phone, the phone wakes up.

1. Go to  **Settings** >  **Always-on display & Lock screen** .
2. Tap  to enable **Raise to wake**.



Double tap to wake or turn off screen when device is locked

You can double tap to turn the screen off only when pre-installed themes are applied.

1. Go to  **Settings** >  **Always-on display & Lock screen** .

2. Tap  to enable **Double tap to wake or turn off screen when device is locked**.




Set Lock screen clock format

1. Go to  **Settings** >  **Always-on display & Lock screen** > **Lock screen clock format** .
2. Choose a lock screen layout.

Note

- You cannot change the format when Dual clock is on.
- You cannot change the lock screen layout for the third party themes.




Display charging animation after device is unlocked

1. Go to  **Settings** >  **Always-on display & Lock screen** .
2. Tap  to enable **Display charging animation after device is unlocked**.

Note

Charging animation keeps displaying after your phone is unlocked except for video playback and other similar full screen scenes.

Launch Camera



1. Go to  **Settings** >  **Always-on display & Lock screen** .
2. Tap  to enable **Launch Camera**.

Tip




You can double press **Volume down** button to open **Camera** when the screen is locked.

Display

Select Light mode or Dark mode




1. Go to  **Settings** >  **Display** .
2. Select **Light mode** or **Dark mode** to apply to the system.

Schedule Dark mode

1. Go to  **Settings** >  **Display** > **Schedule Dark mode** .
2. Tap  to enable **Schedule Dark mode**.
3. Choose to tap **Sunset to sunrise** or **Custom** .

- Tap **Sunset to sunrise** . Dark mode applies to your phone at sunset and is turned off at sunrise.
- Tap **Custom** . You can turn Dark mode on and off at scheduled time.


Enable Automatic brightness

1. Go to  **Settings** >  **Display** > **Brightness level** .
2. Tap  to enable **Automatic brightness**.



Note

Screen brightness is optimized according to ambient light. You can still make minor adjustments manually.

Tip

You can also swipe down from the upper-right corner of the phone to enable  on the Control center.

Adjust screen brightness level manually

1. Go to  **Settings** >  **Display** > **Brightness level** .
2. Drag the slider of screen brightness to adjust manually.

Tip





You can also swipe down from the upper-right corner of the phone to drag the slider in



on the Control center.




Enable Sunlight mode

Sunlight mode adjusts brightness to strong ambient light to prevent the screen from going too dark.

1. Go to  **Settings** >  **Display** > **Brightness level** .
2. Tap  to disable **Automatic brightness**.
3. Tap  to enable **Sunlight mode**.

Enable Reading mode



Reading mode adjusts colors and textures of the items on your screen to allow your eyes to relax.

1. Go to  **Settings** >  **Display** > **Reading mode** .
2. Tap  to enable **Reading mode**.

Note

- You can switch the **Classic** and **Paper** mode when **Reading mode** is enabled.
- You can enable **Schedule** to customize time to turn Reading mode on and off.

Choose a color scheme

1. Go to  **Settings** >  **Display** > **Color scheme** .
2. Select a color scheme from **Vivid**, **Saturated**, **Original color**, or **Advanced settings** for more color scheme options.

Enable Adaptive colors



Adaptive colors adjust colors to ambient light.

1. Go to  **Settings** >  **Display** > **Color scheme** .
2. Tap  to enable **Adaptive colors**.

Note

You can adjust color temperature in **COLOR TEMPERATURE**.



Choose a refresh rate

1. Go to  **Settings** >  **Display** > **Refresh rate** .
2. Choose **Default** or **Custom**.
 - Tap **Default** to adjust fresh rate dynamically based on scenarios to balance performance with power consumption.
 - Tap **Custom** to select **60 Hz**, **90 Hz**, or **144 Hz** refresh rate.

Note



Higher refresh rate makes viewing experience smoother but consumes more power.

Change the font



1. Go to  **Settings** >  **Display** > **Font** .
2. Choose a font in the **Fonts** page.

3. Download and apply the font.




Change the text size

1. Go to  **Settings** >  **Display** > **Text size** .
2. Drag the slider from **xxs** to **XXL** to change the text size.


Reduce blur or flicker when device is in VR

1. Go to  **Settings** >  **Display** > **When device is in VR** .
2. Choose **Reduce blur (recommended)** or **Reduce flicker**.

Enable Auto-rotate screen



1. Go to  **Settings** >  **Display** .
2. Tap  to enable **Auto-rotate screen**.

Tip

If you want to lock the screen orientation, you can disable the **Auto-rotate screen** or swipe down from the upper-right corner of the phone to enable  **Lock orientation** on the Control center.




Sound & vibration

Adjust volume

1. Go to  **Settings** >  **Sound & vibration** .
2. Drag the sliders to adjust the **Media**, **Ringtone**, **Alarm** volume separately.

Adjust media sound in multiple apps

Adjust sound for individual Apps while multiple Apps play audio simultaneously.

1. Go to  **Settings** >  **Sound & vibration** > **Sound assistant** .
2. Tap  to enable **Adjust media sound in multiple apps**.

Enable Multiple audio sources




Do not adjust media volume during incoming notifications or while audio from other source is played.

1. Go to  **Settings** >  **Sound & vibration** > **Sound assistant** .

2. Tap  to enable **Multiple audio sources**.




Allow speaker sound

Allow sound for incoming calls and notifications when accessories such as wired headsets or Bluetooth devices are connected.


1. Go to  **Settings** >  **Sound & vibration** > **Sound assistant** .
2. Tap  to enable **Allow speaker sound**.

Enable Silent mode

You can silence calls and notifications with **Silent mode** enabled.




1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **Silent mode**.

Tip

You can also swipe down from the upper-right corner of the phone to enable  **Mute** in Control center.




Enable Silence media in Silent mode

You can silence games, music, videos, and other apps with **Silence media in Silent mode** enabled.




1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **Silence media in Silent mode**.

Enable Do not disturb

With the mode enabled, there are no reminders for incoming calls and notifications.

1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **Do not disturb**.




Schedule turn on time

1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **Schedule turn on time**.



3. Set the start time, the end time, and the repeat frequency.

Enable When device is locked

With this function enabled, the phone goes to **Do not disturb** mode when the phone is locked.




1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **When device is locked**.

Notify about calls



1. Go to  **Settings** >  **Sound & vibration** .
2. Tap **Notify about calls**.
3. Choose **From anyone**, **From contacts only**, **From starred contacts only**, or **None**.

Notify about repeated calls

You are notified by ringtone or vibration when you receive the second call from the same number within 15 minutes.

1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **Notify about repeated calls**.

Vibrate for calls




1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **Vibrate for calls**.

Vibrate in silent mode

1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **Vibrate in silent mode**.

Enable Haptic feedback











You can receive tactile response to gestures and system controls.

1. Go to  **Settings** >  **Sound & vibration** .
2. Tap  to enable **Haptic feedback**.



Note

You can drag the slider below to adjust the haptic feedback level.

Additional settings



1. Go to  **Settings** >  **Sound & vibration** > **Additional settings** .
2. Choose to enable below items.
 - Tap  to enable **Dial pad tones**.
 - Tap  to enable **Tap sounds**.
 - Tap  to enable **Play sound when locking device**.
 - Tap  to enable **Play sound when taking screenshots**.
 - Tap  to enable **Play sound when uninstalling apps**.
 - Tap  to enable **Play sound when deleting items**.
 - Tap  to enable **Play sound when charger is connected**.
 - Tap  to enable **Play audio at startup**.

Set sound effects

1. Go to  **Settings** >  **Sound & vibration** > **Sound effects** .
2. Choose to set Dolby Atmos, Mi sound, and earphone controls.

Notifications & Control center

Set Lock screen notifications format



1. Go to  **Settings** >  **Notifications & Control center** .
2. Tap **Lock screen** in **NOTIFICATIONS**.
3. Tap **Format** to choose Lock screen notifications format.
 - Choose to tap **Show notification and content** .
 - Choose to tap **Don't show Lock screen notifications** .

Tip

You can tap  beside an App to enable Lock screen notifications.

Hide floating notifications




Swipe up on a floating notification to temporarily hide upcoming ones.

1. Go to  **Settings** >  **Notifications & Control center** .
2. Tap **Floating notifications** in **NOTIFICATIONS**.
3. Tap **Hide temporarily** to set hide time for floating notifications.
 - Choose to tap **For 1 minute** .
 - Choose to tap **Until locked** .
 - Choose to tap **Don't hide** .



Tip

You can tap  beside an App to enable Floating notifications.



Enable App notification badges

1. Go to  **Settings** >  **Notifications & Control center** .
2. Tap **Badges** in **NOTIFICATIONS**.
3. Tap  beside an App to enable Notification badges.

Choose notification shade

1. Go to  **Settings** >  **Notifications & Control center** > **Notification shade** .
2. Choose notification style.
 - Tap **MIUI** to apply MIUI notification style.
 - Tap **Android** to apply Android notification style.

Choose Control center style

1. Go to  **Settings** >  **Notifications & Control center** > **Control center style** .
2. Choose Control center style.
 - Choose to tap **Old version** . You can pull down status bar to view toggles and notifications
 - Choose to tap **New version** . You can pull down status bar on the left to view notifications and you can pull down status bar on the right to open Control center.

Items shown on the Lock screen after swiping down



1. Go to  **Settings** >  **Notifications & Control center** > **Items shown on the Lock screen after swiping down** .

2. Tap to enable **Notification shade**.



Note

If you use the new version of Control center, you can tap to enable **Control center** and tap to enable **Smart home**.



Show notification icons

1. Go to  **Settings** >  **Notifications & Control center** > **Status bar** .
2. Tap to enable **Show notification icons**.



Show connection speed

1. Go to  **Settings** >  **Notifications & Control center** > **Status bar** .
2. Tap to enable **Show connection speed**.



Show carrier when device is locked

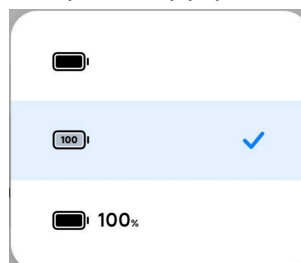
1. Go to  **Settings** >  **Notifications & Control center** > **Status bar** .
2. Tap to enable **Show carrier when device is locked**.

Edit carrier name

1. Go to  **Settings** >  **Notifications & Control center** > **Status bar** > **Edit carrier name** .
2. Edit the names for SIM 1 and SIM 2.
3. Tap ✓.

Choose Battery indicator

1. Go to  **Settings** >  **Notifications & Control center** > **Status bar** > **Battery indicator** .
2. Choose one battery indicator style to apply.





Hide notch

1. Go to  **Settings** >  **Notifications & Control center** > **Status bar** > **Hide notch** .

2. Choose **Don't hide** or **Hide without moving status bar** to apply.

Home screen



Set App display on Home screen

1. Go to  **Settings** >  **Home screen** .
2. Tap **Home screen** to choose App display on Home screen.
 - Tap **Classic** to not to display apps.
 - Tap **With App drawer** to display used apps in the drawer when you swipe up on Home screen.



Enable Google Discover

1. Go to  **Settings** >  **Home screen** .
2. Tap  to enable **Google Discover**.



Set animation speed

1. Go to  **Settings** >  **Home screen** .
2. Tap **Animation speed** to choose **Relaxed**, **Balanced**, or **Fast**.



Set system navigation buttons

1. Go to  **Settings** >  **Home screen** > **System navigation** .
2. Choose **Buttons** to use system navigation buttons. See [System navigation buttons](#) for more information.

Set full screen gestures

1. Go to  **Settings** >  **Home screen** > **System navigation** .
2. Choose **Gestures** to use full screen gestures. See [Full screen gestures](#) for more information.

Note

- You can tap  to enable **Hide full screen indicator** when you use full screen gestures.
- You can tap  to enable **Gesture confirmation**.

Fill cells of uninstalled apps

1. Go to  **Settings** >  **Home screen** .



2. Tap  to enable **Fill cells of uninstalled apps**.

Lock Home screen layout



If you enable **Lock Home screen layout**, you cannot change **Home screen layout**.

1. Go to  **Settings** >  **Home screen** .
2. Tap  to enable **Lock Home screen layout**.




Adjust the icon size

1. Go to  **Settings** >  **Home screen** > **Icon size** .
2. Drag the slider to adjust the icon size.



Set Home screen layout

1. Go to  **Settings** >  **Home screen** .
2. Tap **Home screen layout** to select 4x6 or 5x6 Home screen layout.




Enable Global icon animations

1. Go to  **Settings** >  **Home screen** .
2. Tap  to enable **Global icon animations** to render animations on third party app icons.

Arrange items in Recents



1. Go to  **Settings** >  **Home screen** .
2. Tap **Arrange items in Recents** to select **Vertically** or **Horizontally**.

Show memory status

1. Go to  **Settings** >  **Home screen** .
2. Tap **Home screen** in ADDITIONAL SETTINGS.
3. Tap  to enable **Show memory status**.




Blur app previews

Select Apps for which previews will be blurred in Recents.

1. Go to  **Settings** >  **Home screen** > **Blur app previews** .
2. Select an App.

3. Tap  beside the App to enable the feature.

Show suggestions

1. Go to  **Settings** >  **Home screen** .
2. Tap  to enable **Show suggestions**.

Wallpaper

You can see [Change the wallpaper](#) for more information.

Themes

You can see [Change the theme](#) for more information.

Chapter 9 Security and safety

Security status



You can go to  **Settings** >  **Security status** to view the information about **Find device**, **Security update**, and **Google Play Protect**.

Note

Google Play Protect regularly checks your Apps and phone for harmful behavior. You are notified of any security risks found.

Passwords and security

Set up Screen lock

1. Go to  **Settings** >  **Password & security** > **Screen lock** .
2. Choose a screen lock type.
 - Tap **Pattern** to draw a simple pattern with your finger to lock the phone. See [Set a pattern lock](#) for more information.
 - Tap **PIN** to enter 4 to 16 numbers to lock the phone. See [Set up a PIN lock](#) for more information.
 - Tap **Password** to enter 4 or more letters or numbers to lock the phone. See [Set up a face lock](#) for more information.

Set a pattern lock



1. Go to  **Settings** >  **Password & security** > **Screen lock** .
2. Tap **Pattern** .

3. Draw an unlock pattern.
4. Tap **Confirm** .

Note

If you do not want to set other lock methods, tap **Cancel** .



Set up a PIN lock

1. Go to  **Settings** >  **Password & security** > **Screen lock** .
2. Tap **PIN** .
3. Enter 4 to 16 digits.
4. Tap **Continue** and then tap **OK** to confirm your password.

Note

If you do not want to set other lock methods, tap **Cancel** .

Set up a password lock



1. Go to  **Settings** >  **Password & security** > **Screen lock** .
2. Tap **Password** .
3. Enter 4 or more digits or letters.
4. Tap **Continue** and then tap **OK** to confirm your password.

Note

If you do not want to set other lock methods, tap **Cancel** .

Set up a fingerprint lock

You have to set up **Screen lock** first before you set up **Fingerprint unlock**. You can see [Set up Screen lock](#) for more information.



1. Go to  **Settings** >  **Password & security** > **Fingerprint unlock** .
2. Verify your identification with a screen unlock.
3. Add your fingerprint on the fingerprint scanner.
4. Tap **Done** .

Tip

Make sure both your finger and the screen are clean.

Set up a face lock

You have to set up **Screen lock** first before you set up **Face unlock**. You can see [Set up Screen lock](#) for more information.




1. Go to  **Settings** >  **Password & security** > **Face unlock** .
2. Verify your identification with a screen unlock.
3. Tap **Start** to add your face data.
4. Tap **Done** .

Unlock with Bluetooth device

The feature works with selected wearable devices made by Xiaomi.




Note

You need to set screen lock before you set up **Unlock with Bluetooth device**. You can see [Set up Screen lock](#) for more information.




1. Go to  **Settings** >  **Password & security** > **Unlock with Bluetooth device** .
2. Tap  to enable **Unlock device**.
3. Verify your identification with a screen unlock.
4. Tap **Allow** to turn on Bluetooth in the pop-up window.
5. Tap an available device to connect.

Use Privacy protection password


Privacy protection password is used for the Apps that might contain sensitive information.

1. Go to  **Settings** >  **Passwords & security** > **Privacy protection password** .
2. Tap  to enable **Use Privacy protection password**.




Allow alerts

1. Go to  **Settings** >  **Passwords & security** > **Wireless emergency alerts** .
2. Tap  to enable **Allow alerts**.

Note

You can also go to  **Settings** >  **Safety & emergency** > **Wireless emergency alerts** to enable **Allow alerts**.

Enable Emergency SOS

1. Go to  **Settings** >  **Passwords & security** > **Emergency SOS** .
2. Tap  to enable **Emergency SOS**.
3. Tap **Add** to add at least one emergency contact.

Note




You can press the Power button 5 times rapidly to send an SOS text message with your location to your emergency contacts.

Find my device

You can enable **Use Find My Device** to find, lock, or reset the phone if it is lost.

Note

Find My Device does not work until you add a Google account.

1. Go to  **Settings** >  **Password & security** > **Privacy** .
2. Tap **Find My Device**.
3. Tap  to enable **Use Find My Device**. **Use Find My Device** is usually enabled by default.
4. Tap **Find My Device** or **Find My Device web** to find the phone.

Show passwords

The feature displays characters briefly as you type.

1. Go to  **Settings** >  **Passwords & security** > **Privacy** .



2. Tap  to enable **Show passwords**.

Safety & emergency



Emergency information

Medical information and emergency contacts can help first responders in an emergency.



Add medical information

1. Go to  **Settings** >  **Safety & emergency** > **Emergency information** .
2. Tap **Add information** .
3. Tap **Name** , **Address** , **Blood type** , **Allergies** , **Medications** , **Organ donor** , or **Medical notes** to add medical information.

Note

You can also go to  **Settings** >  **Safety & emergency** > **OPEN EMERGENCY INFORMATION** to add medical information.

Add an emergency contact




1. Go to  **Settings** >  **Safety & emergency** > **Emergency information** .
2. Tap **Add contact** .
3. Choose a contact.
4. Tap the contact to add it to the emergency contact list.

Note

You can tap  to search for a contact.

Emergency SOS




Use Emergency SOS

1. Go to  **Settings** >  **Safety & emergency** > **Emergency SOS** .
2. Tap  to enable **Use Emergency SOS** . **Use Emergency SOS** is usually enabled by default.

Note

You can press the Power button 5 times or more rapidly to play a loud sound when Emergency SOS is starting.



Play countdown alarm

1. Go to  **Settings** >  **Safety & emergency** > **Emergency SOS** .
2. Tap  to enable **Play countdown alarm** .

Note

The phone plays a loud sound when Emergency SOS is starting.




Add a call for help

1. Go to  **Settings** >  **Safety & emergency** > **Emergency SOS** .
2. Tap **Call for help** .
3. Enter a phone number.
4. Tap **Save** .

Note




If you enter a non-emergency number, your phone must be unlocked to use Emergency SOS and your call may not be answered.

Send Emergency Location

1. Go to  **Settings** >  **Safety & emergency** > **Emergency Location Service** .
2. Tap  to enable **Send ELS Location** . **Send ELS Location** is usually enabled by default.

Wireless emergency alerts

Enable wireless emergency alerts




1. Go to  **Settings** >  **Safety & emergency** > **Wireless emergency alerts** .
2. Tap  to enable **Allow alerts**. **Allow alerts** is usually enabled by default.

Note



- You can choose to enable alerts types, such as **Extreme threats** , **Severe threats** , **AMBER alerts** , and **Test alerts** .

- You can tap **Emergency alert history** to view previous alerts.



Set alert preferences

1. Go to  **Settings** >  **Safety & emergency** > **Wireless emergency alerts** .
2. Choose to set alert preferences.
 - Tap  to enable **Vibration** when in alert. **Vibration** is usually enabled by default.
 - Tap **Alert reminder** to select an alert reminder frequency.

Privacy protection



You can go to  **Settings** >  **Privacy protection** to manage Apps that request sensitive permissions, monitor how Apps use sensitive permissions, and manage other privacy-related permissions.

Apps

You can go to  **Settings** >  **Apps** to manage Apps and their permissions, set Dual apps, and set App lock.




Manage apps

Uninstall Apps

1. Go to  **Settings** >  **Apps** > **Manage apps** .
2. Tap **Uninstall** .
3. Choose one or more Apps.
4. Tap **Uninstall** at the bottom of the phone.

Set default Apps




Set default Apps for basic usages such as dial, messages, and camera.

1. Go to  **Settings** >  **Apps** > **Manage apps** .
2. Tap  at the upper-right corner of the phone.
3. Tap **Default apps**.
4. Select a basic function to set a default App for the function.

For example, you can tap **Browser** to select **Chrome** or **Mi Browser** as a default App to browse web pages.

Reset App preferences

Resets all preferences for disabled Apps, disabled App notifications, default Apps, and background data restrictions for Apps.




1. Go to  **Settings** >  **Apps** > **Manage apps** .
2. Tap  at the upper-right corner of the phone.
3. Tap **Reset app preferences**.
4. Tap **Reset apps**.

Note

The feature does not erase any App data.

Dual apps

Dual apps allows you to clone an existing App on your device and use it independently with a different account.




1. Go to  **Settings** >  **Apps** > **Dual apps** .
2. Tap **Create**.
3. Tap  beside an App to create a dual App.
4. Tap **Turn on**.

Note

A dual App locates next to an App name. Whenever the system requires an action from an App that has a dual App, you are asked which App is used.

Permissions

Enable the autostart

1. Go to  **Settings** >  **Apps** > **Permissions** .
2. Tap **Autostart**.
3. Tap  beside an App to enable autostart.

Note

Some Apps may incorrectly indicate that MIUI has prevented them from starting. You can check permissions that have been granted to individual Apps.

Manage permissions

1. Go to  **Settings** >  **Apps** > **Permissions** .

2. Tap **Permissions** to enter **Permission manager**.

Permissions such as Calendar, Camera, or Contacts are displayed in the form of a permission list.

3. Tap an item to check which Apps use the permission.

4. Tap an App to manage the permission.

Manage other permissions

1. Go to  **Settings** >  **Apps** > **Permissions** .

2. Tap **Other permissions** to manage other permissions.

- Tap an App to check or modify the permissions in **Apps** page.
- Tap a permission to check or modify system settings in **Permissions** page.

Install via USB

The feature allows an App to be installed on your device via USB

1. Go to  **Settings** >  **Apps** > **Permissions** .

2. Tap **Install via USB** and follow the onscreen instructions.

App lock

Protect apps with App lock

App lock checks apps installed on your device and recommends the apps that require protection for the first time.

1. Go to  **Settings** >  **Apps** > **App lock** .

2. Tap **Turn on** .

3. Set the **Pattern** password.

4. Choose to add or not add a Mi Account.




5. Select Apps and tap **Use App lock**.

Note

You can choose to turn on fingerprint unlock.

Add Apps to App lock





Use **App lock** to protect the data of individual apps and your privacy.

1. Go to  **Settings** >  **Apps** > **App lock** .
2. Enter the password to open **App lock**.
3. Choose an App and tap  beside to lock the App.

Note

You can tap the search field at the top of the screen to search for Apps.




Disable App lock

1. Go to  **Settings** >  **Apps** > **App lock** .
2. Tap  at the upper-right corner of the phone.
3. Tap  to disable **App lock**.
4. Tap **OK**.

Protection is removed from all Apps along with the App lock password.

Set the application time of App lock



Verify your App lock password when you open a protected App in the applied time.

1. Go to  **Settings** >  **Apps** > **App lock** .
2. Tap  at the upper-right corner of the phone.
3. Tap **Lock settings** to choose when to apply **App lock**.
 - Tap **When device is locked**.
 - Tap **When device is locked or after exiting app**
 - Tap **When device is locked or in 1 minute after exiting app**.

Hide notification content

The feature does not display notification content for protected Apps on the Lock screen and in the Notification shade.





1. Go to  **Settings** >  **Apps** > **App lock** .

2. Tap  at the upper-right corner of the phone.
3. Tap **Hide notification content**.
4. Tap  beside an App.





You can see **You have a new message** instead of the actual content when you receive a notification.

Unlock all apps at once




Enter password once to unlock all protected Apps.

1. Go to  **Settings** >  **Apps** > **App lock** .
2. Tap  at the upper-right corner of the phone.
3. Tap  to enable **Unlock all apps at once**.





Lock all apps

1. Go to  **Settings** >  **Apps** > **App lock** .
2. Tap  at the upper-right corner of the phone.
3. Tap  to enable **Lock all apps**.




Change password type

1. Go to  **Settings** >  **Apps** > **App lock** .
2. Tap  at the upper-right corner of the phone.
3. Tap **Change password type** to change the App lock password type and the password itself.

Unlock with fingerprint

1. Go to  **Settings** >  **Apps** > **App lock** .
2. Tap  at the upper-right corner of the phone.
3. Tap  to enable **Unlock with fingerprint**.
4. Add your fingerprint. See [Set up a fingerprint lock](#) for more information.

Face unlock





1. Go to  **Settings** >  **Apps** > **App lock** .
2. Tap  at the upper-right corner of the phone.

3. Tap  to enable **Face unlock**.

Add Mi Account

Note



You are recommended to add your Mi Account before you use **App lock**. If you forget the App lock password, you can reset it with the Mi Account. Otherwise, you can only perform a factory reset.

1. Go to  **Settings** >  **Apps** > **App lock** .
2. Tap  at the upper-right corner of the phone.
3. Tap  to enable **Add Mi Account**.



Privacy

View Privacy dashboard

You can view the timeline of when Apps used a permission in the past 24 hours




1. Go to  **Settings** >  **Privacy** .
2. Tap **Privacy dashboard** to view which permissions recently are used.
3. Tap a permission to view the timeline.

Manage permissions

1. Go to  **Settings** >  **Privacy** .
2. Tap **Permission manager** to control App access to your data.
3. Tap a permission to view which Apps can access the permission.
4. Tap an App to change the App permission.

Show passwords

Show passwords displays characters briefly as you type.

1. Go to  **Settings** >  **Privacy** .
2. Tap  to enable **Show passwords** .

Use Autofill with Google

Autofill with Google saves and fills with passwords, credit cards, or addresses when needed.



1. Go to  **Settings** >  **Privacy** > **Autofill service from Google** .

2. Tap  to enable **Use Autofill with Google** .



Enable Google location history

Note



You need to add one Google account or use myaccount.google.com to manage some settings without an account.

1. Go to  **Settings** >  **Privacy** .
2. Tap **Google location history** to view **Activity controls** page.
3. Tap **Turn on** .

Activity controls

The data saved in your account helps give you more personalized experiences across all Google services. You can choose which settings save data in your Google Account. You can go to  **Settings** >  **Privacy** > **Activity controls** to manage **Web & App activity** , **Location History** , **YouTube History** , and **Ad personalization** .

Reset advertising ID




1. Go to  **Settings** >  **Privacy** .
2. Tap **Ads** .
3. Tap **Reset advertising ID** .

Note

You can also tap **Delete advertising ID** to see ads that are not based on your interests.

Enable Usage & diagnostics

The feature shares data to help improve Android.

1. Go to  **Settings** >  **Privacy** .
2. Tap **Usage & diagnostics** to view information about Usage & diagnostics.
3. Tap  to enable **Usage & diagnostics** .

Location


Enable Location access

Apps that have the location permission can get your location information.



1. Go to  **Settings** >  **Location** .

2. Tap  to enable **Location access**.

Tip

You can also swipe down from the upper-right corner of the phone to enable  **Location** on the Control center.

Change App location permissions




1. Go to  **Settings** >  **Location** > **App location permissions** .
2. Tap an App to see the location permission.
3. Choose location permissions for the App.

Chapter 10 Accessibility





Gesture shortcuts

Launch Google Assistant shortcut

You can press and hold the Power button for 0.5s to launch Google Assistant.


1. Go to  **Settings** >  **Additional settings** > **Gesture shortcuts** > **Launch Google Assistant** .
2. Tap  to enable **Press and hold the Power button for 0.5s**.

Take a screenshot shortcut

1. Go to  **Settings** >  **Additional settings** > **Gesture shortcuts** > **Take a screenshot** .
2. Choose to enable take a screenshot shortcut.
 - Tap  to enable **Slide 3 fingers down**.
 - Tap  to enable **Volume down + Power**.





You can now slide 3 fingers down on the screen or press the Volume down and Power buttons simultaneously to take a screenshot.

Take a partial screenshot shortcut

1. Go to  **Settings** >  **Additional settings** > **Gesture shortcuts** > **Partial screenshot** .




2. Tap  to enable **Press and hold with 3 fingers**.

Launch camera shortcut



1. Go to  **Settings** >  **Additional settings** > **Gesture shortcuts** > **Launch camera** .
2. Choose to enable launch camera shortcut.
 - Tap  to enable **Double press the Power button**.
 - Tap  to enable **Double press Volume down when the screen is locked**.

Turn on torch shortcut


You can double press the Power button to turn on torch.






1. Go to  **Settings** >  **Additional settings** > **Gesture shortcuts** > **Turn on torch** .
2. Tap  to enable **Double press the Power button**.

Customize back tap shortcut

1. Go to  **Settings** >  **Additional settings** > **Gesture shortcuts** > **Back tap** .
2. Choose to set shortcuts for **Double back tap** or **Triple back tap**.

Quick ball

 **Quick ball** enables you to access Home, Menu, Lock, Screenshot, and Back shortcuts quickly by default. You can tap the wake-up areas near the screen edges to make Quick ball appear.






	Go to Home screen.
	View recently-opened windows.
	Lock the screen.
	Take a screenshot.
	Go back.

Turn on Quick ball

1. Go to  **Settings** >  **Additional settings** > **Quick ball** .

2. Tap  to enable **Turn on Quick ball**.

Set Quick ball

1. Go to  **Settings** >  **Additional settings** > **Quick ball** .
2. Choose to set Quick ball.
 - Tap **Select shortcuts** to set shortcuts for system settings or quick settings.
 - Tap **Preferred gesture** to choose **Swipe** or **Tap** to open the quick ball.
 - Tap  to enable **Move aside when fullscreen** to move the Quick ball aside when entering fullscreen mode.
 - Tap  to enable **Stick to the edge after 3 seconds of inactivity**.
 - Tap **Wake-up areas** to choose **Default** or **Custom** to set the wake-up areas near the screen edges for Quick ball.
 - Tap  to enable **Show on Lock screen**.

Tip





You can tap **Restore defaults** to apply default settings to shortcuts.



Screen Recorder

Open Screen Recorder




See [Record the screen](#) for more information.

Set up Screen Recorder

1. Go to  **Settings** >  **Additional settings** > **Screen recorder** .
2. Choose to set up Screen Recorder.
 - Tap **Resolution** to select video resolution.
 - Tap **Video quality** to select video quality. Higher quality means bigger file size.
 - Tap **Orientation** to select orientation of recorded videos.
 - Tap **Sound source** to select system sounds or microphone.
 - Tap  to enable **Fixed frame rate** to enhance playback on social media platforms.
 - Tap  to enable **Lock screen to end**.

- Tap  to enable **Show touch gestures**.
- Tap  to enable **Show button taps**.

Enable One-handed mode

1. Go to  **Settings** >  **Additional settings** > **One-handed mode** .
2. Tap  to enable **One-handed mode**.



Note

- You can turn on one-handed mode by swiping down the full screen indicator when you use full screen mode. But this feature does not work if the full screen indicator is hidden.
- You can turn on one-handed mode by swiping left or right from the center of the navigation panel when you use system navigation buttons.
- You can swipe up from the bottom of the screen or tap anywhere above the App to exit one-handed mode.

Digital Wellbeing & parental controls





Digital Wellbeing & parental controls can reduce interruptions from your phone. You can add content restrictions and set other limits to help your child balance their screen time.

View the screen time

1. Go to  **Settings** >  **Digital Wellbeing & parental controls** .
2. Tap the dashboard circle or **Dashboard** to view the screen time.

Enable Bedtime mode



Apply Bedtime mode to silence the phone and change the screen to black and white at bedtime. Only alarms and important calls can reach you.

1. Go to  **Settings** >  **Digital Wellbeing & parental controls** > **Bedtime mode**
2. Choose to set Bedtime mode.
 - Tap  to enable **Do Not Disturb for Bedtime mode**.
 - Tap  to enable **Grayscale**.



3. Tap **Next** to set up the time for Bedtime mode.

Enable Focus mode

Apply Focus mode to pause distracting Apps and hide notifications.

1. Go to  **Settings** >  **Digital Wellbeing & parental controls** > **Focus mode** .
2. Select distracting Apps and **TURN ON NOW**.




Set up parental controls

1. Go to  **Settings** >  **Digital Wellbeing & parental controls** .
2. Tap **Set up Parental controls** and follow the onscreen instructions to set up parental controls.





General

Enable Accessibility menu shortcut

Accessibility menu provides convenient shortcuts that allow you to control your phone.

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Accessibility menu** in **General** page.
3. Tap  to enable **Accessibility menu shortcut**.

Set up Accessibility button

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Accessibility button** in **General** tab.
3. Choose to set up Accessibility button.
 - Tap  to enable **Accessibility button**.
 - Tap **Location** to set the location of the Accessibility button.
 - Tap **Size** to set the size of the Accessibility button.
 - Tap  to enable **Fade when not in use**.
 - Drag the slider left or right to adjust **Transparency when not in use**.

Enable Shortcut from lock screen

Allow features shortcut to turn on from the Lock screen. Hold both volume keys for a few seconds.




1. Go to  **Settings** >  **Additional settings** > **Accessibility** .

2. Tap  to enable **Shortcut from lock screen**.

Vision

Use TalkBack




TalkBack provides spoken feedback so that you can use the phone without looking at the screen. TalkBack is intended for situations or people who have difficulty in seeing the screen.

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Vision** page.
3. Tap **TalkBack** .
4. Tap  to enable **Use TalkBack**.
5. Tap **Allow** and follow the onscreen instructions to perform actions.

Note

To turn off TalkBack, you press the volume buttons simultaneously.

Enable TalkBack shortcut



1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Vision** page.
3. Tap **TalkBack** .
4. Tap  to enable **TalkBack shortcut**.
5. Tap **Trun on**.


Note

You can now press and hold both the volume buttons simultaneously to turn on or turn off TalkBack.



Enable Select to Speak shortcut

When Select to Speak is on, you can tap specific items on your screen to hear the words read aloud.




1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Vision** page.
3. Tap **Select to Speak** .

4. Tap  to enable **Select to Speak shortcut**.
5. Tap **Allow** and follow the onscreen instructions to perform actions.

Manage Text-to-speech output

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Vision** page.
3. Tap **Text-to-speech output** .
4. Choose to manage **Text-to-speech output**.
 - Tap **Language** to select the Text-to-speech output language.
 - Drag the slider left or right to adjust **Speech rate**.
 - Drag the slider left or right to adjust **Pitch**.



Manage display

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Vision** page.
3. Choose to manage display.
 - Tap **Display size** to select the icon display size.
 - Tap **Magnification** to enable **Magnification shortcut**. **Magnification shortcut** enables you to quickly zoom in on the screen to make content larger.
 - Tap **Color correction** to correct colors that fit your eyes.
 - Tap **Color inversion** to turn light screens dark or turn dark screens light.
 - Tap  to enable **Remove animations**..

Hearing



Enable Mono audio

The feature combines channels when playing audio.

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Hearing** page.

3. Tap  to enable **Mono audio**.




Adjust audio balance

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Hearing** page.
3. Drag the slider left or right to adjust the **Audio balance**.




Physical

Enable Switch Access



Switch Access lets you interact with the phone with one or more switches instead of the touch screen. **Switch Access** can be useful if you cannot interact directly with your phone.



1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Physical** page.
3. Tap **Switch Access**.
4. Tap  to enable **Use Switch Access**.
5. Tap **Allow** and follow the onscreen instructions to perform actions.

Enable Switch Access shortcut




1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Physical** page.
3. Tap **Switch Access**.
4. Tap  to enable **Switch Access shortcut**.

Manage interaction controls

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Physical** page.
3. Tap **TalkBack** .
4. Manage interaction controls.
 - Tap **Touch & hold delay** to select a time for a continuous touch to be responded as a touch and hold.
 - Tap **Time to take action (Accessibility timeout)** to select a time for showing messages that ask you to take action.

- Tap  to enable **Power button ends call**.
- Tap  to enable **Auto-rotate screen**.
- Tap **Vibration & haptic strength** to turn on feedback of rings, notifications, and touch action.





Manage input device

1. Go to  **Settings** >  **Additional settings** > **Accessibility** .
2. Tap **Physical** page.
3. Tap **TalkBack** .
4. Manage input device.
 - Tap **Autoclick (dwell timing)** to select a time for a mouse cursor to click automatically when the cursor stops moving for a certain amount of time.
 - Tap  to enable **Larger mouse pointer**.



Chapter 11 Special features





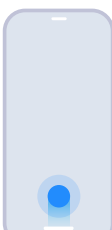
Set up front camera assistant

Apply different effects when you use the front camera.

1. Go to  **Settings** >  **Special features** > **Front camera assistant** .
2. Choose to set up front camera assistant.
 - Tap  to enable **Front camera assistant** to show Beautify and fill light options while you use the front camera..
 - Drag the slider left or right to adjust the front fill light brightness.
 - Tap  to enable **Beautify for video calls**.

Learn floating windows

You can go to  **Settings** >  **Special features** > **Floating windows** to learn how to open notifications in a floating window.

	<p>Opening floating windows</p> <p>Press and hold, and then pull down the action bar of a notification.</p>
	<p>Moving floating windows around</p> <p>Press and hold the action bar of a floating window to drag.</p>
	<p>Viewing floating windows in fullscreen mode</p> <p>Press and hold, and then pull down the action bar of a floating window.</p>
	<p>Minimizing floating windows</p> <p>Drag the floating window to the corner of the screen.</p>
	<p>Minimize an app *</p> <p>Press and hold the bottom of the window, and drag it to the upper right corner.</p>

Note


* This feature works only when system navigation is set to gestures.

Turn on Second space

1. Go to **Settings > Special features > Second space** .
2. Tap **Turn on Second space** .
3. Tap **Continue** .
4. Choose the way to switch between spaces.
 - Tap **Using a password** .


- Tap **Using a shortcut** .
5. Tap **Continue** to set the password for the second space.

Note


- You can tap **Skip** if you choose **Using a shortcut** to switch between spaces without a password.
- After you enable **Second space**, the **Switch** app appears on the home screen of your phone. You can tap  to switch to First space.

Turn on Lite mode

Lite mode adopts a more concise layout for easy navigation, and enlarges icons and fonts for better perception.

1. Go to  **Settings** > **Special features** > **Lite mode** .
2. Tap **Turn on Lite mode** .

Measure heart rate


1. Go to **Settings** > **Special features** > **Heart rate** .
2. Cover  with your finger for 15 seconds.

Chapter 12 Apps

Note


When you use Apps, certain permissions such as the access to location info and camera need to be allowed. You can give limited permissions to the Apps and withdraw the consent at any time.

File Manager


 **File Manager** is an easy and powerful file explorer. It helps you easily manage storages on your device, network-attached storage, and cloud storages. You can

also find how many files and apps you have on your device at a glance immediately after opening the app.


Document view

You can tap  to view documents. They are sorted into various categories, such as images, videos, docs, music, APKs, Bluetooth & downloads, and archives. You can tap the corresponding category to locate a document.

Storage statistics

You can tap  to check what files occupy the internal storage of your device at a glance and see all the items in the root folders.

Quick search




Recent files on the start screen are arranged according to the creation date. They are also sorted by file type and can be edited by default. You can tap  to enter the folder names to quickly search the files.

Deep clean



You can go to  **File Manager** >  > **Deep clean** to delete unnecessary files and free up storage space in two taps.

You can also tap  on the start screen to delete files.




Files transfer

You can go to  **File Manager** >  > **Transfer files** to use  **ShareMe** to share files with nearby devices without connecting to the internet.

Private files


You can go to  **File Manager** >  > **Private files** to set passwords and make files private.

Dark mode

You can go to  **File Manager** > , and tap  to enable **Dark mode** to make your screen easier to read.

Google


Assistant

You can use  **Assistant** to get stuff done faster. Instead of performing tasks manually by tapping your finger on the screen a gazillion times, you can get the


job done by using voice commands. Assistant is smart and very well integrated with Android.

See assistant.google.com for more information.


Calendar

You can use  **Calendar** to view schedule information, set reminders, and add tasks or events.

Contacts

You can use  **Contacts** to keep all your contact information in one place and reach several people at once. You can organize, review, and merge your contacts, create personal mailing lists, and quickly send messages to groups of people you contact the most, without entering their addresses individually.

Drive

With  **Drive**, you can open, view, rename, and share files saved to your Drive cloud account.


See support.google.com/drive for more information.

Duo

You can easily make one-to-one video calls with  **Duo**.


See support.google.com/duo for more information.

Gmail

 **Gmail** enables you to send and receive an email with Google's web-based email service.


See support.google.com/mail for more information.

Google

With  **Google**, you can find online content that interests you, and turn on your personalized feed to receive customized content.

See support.google.com/websearch for more information.

Google One

With  **Google One**, you can automatically back up your phone and manage the Google cloud storage.


- You can use the Google account to automatically back up photos, contacts, messages, and other important things. If you break, lose or upgrade your phone, you can restore everything to your new Android device.

Note

Every Google account has 15 GB of free space.

- You can manage your Google account storage across Drive, Gmail, and Photos.

Home

With  **Home**, you can control and manage lights, cameras, TVs, and more compatible devices all from one place.

Maps


You can use  **Maps** to get directions and other location-based information.

Attention

You must enable location services to use  **Maps**.


See support.google.com/maps for more information.

News

 **News** is a personalized news aggregator that organizes and highlights what's happening in the world so you can discover more about the stories that matter to you.


See support.google.com/news/publisher-center for more information.

Photos

You can store and back up your photos and videos automatically to your Google Account with  **Photos**.


See support.google.com/photos for more information.

Play Store

You can find new apps, movies and TV shows, music, books, magazines, and games in  **Play Store**.

See support.google.com/play for more information.

Podcasts

With  **Podcasts**, you can play the latest episodes from your favorite shows, explore podcast recommendations, and manage your listening activities.


See support.google.com/googleplay/podcasts for more information.

YouTube


You can use  **YouTube** to watch and upload videos right from your device.

See support.google.com/youtube for more information.

YT Music


You can stream and browse playlists, albums, and artists from  **YT Music**.

Mi Browser


 **Mi Browser** is a fast and secure full-featured web browser for mobile devices. You can use Mi Browser to surf the web, browse news, search for things, watch videos, shop online, and play online games. You can also use Mi Browser to

download images and videos from social media, file management tools, and private folder.


Download videos from social media

You can download videos and images from Facebook, Instagram, and Twitter.  Mi Browser also lets you save WhatsApp statuses of your friends.



Manage files

You can tap  **Files** to manage videos, audio files, and images stored on your device. You can add items intended for your eyes only to a private folder and share items with your friends.



Translate page

 Mi browser helps you translate the webpage content automatically.



Incognito mode

You can go to  **Mi browser** >  to enable **Incognito mode** in **Tools**. It allows you to browse the web safely and privately without leaving any search or browsing history. You can also turn on or off aggregated data-sharing under this mode.


Dark mode

You can go to  **Mi browser** >  to enable **Dark mode** in **Tools**. The dark color scheme can boost visual experience.


Desktop mode

You can go to  **Mi browser** >  to enable **Desktop mode** in **Tools**. The Desktop mode enables you to browse web pages similar to the look on desktop.


Mi Store

You can buy the latest Xiaomi products, view the news about Xiaomi products, and ask for support in  **Mi Store**.

Mi Video

 **Mi video** is a powerful local video player. With Mi Video, you can play, download, stream, and, manage your videos in one place. You can easily zoom in and out on the played videos.

Music



You can use  **Music** to stream and browse playlists, albums, and artists. You can also play music saved on your phone.

Notes

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You can take notes with text, images, audio, and mind maps.






Create a note

2. Tap  to create a note.
3. Tap  to save the note.

Tip

You can add text, images, and audio in a note.


Make a voice note

1. Open .
2. Tap  to add a note.
3. Tap  and speak to your phone.
4. Tap  to stop the recording.
5. Enter the title of the voice note.
6. Tap  to save the voice note.


Tip

You can press and hold  to create a voice note.

Delete a note



1. Open  **Notes**.
2. Touch and hold the note to delete.
3. Tap **Delete**.

Manage notes



1. Open  **Notes**.
2. Touch and hold a note to choose one or multiple notes.
3. Choose to manage the notes.
 - Tap **Hide** to hide the note.
 - Tap **Pin** to pin the note.
 - Tap **Delete** to delete the note.
 - Tap **Move to** to move the note to a new folder.

- Tap **Create a folder** to add notes to a folder when you choose multiple notes.

Restore deleted notes

1. Open  **Notes**.
2. Tap  on the start page.
3. Tap **Trash**.
4. Tap the note you want to restore.
5. Tap **Restore** .

Create a new folder

1. Open  **Notes**.
2. Tap  on the start page.
3. Tap **New folder** or .
4. Enter the folder name.
5. Tap **OK** .


Tip

You can also press and hold a note and then drag it over another note to create a folder.


Search notes


1. Open  **Notes**.
2. Tap the search bar to enter keywords of the note.

View hidden notes


1. Open  **Notes**.
2. Swipe down from the upper part of the screen to show the private folder.
3. Enter the privacy password.
4. Tap a hidden note to view details.

Create a subtask checklist


1. Open  **Notes**.
2. Swipe left or tap  on the top of the start page.

3. Tap  to create checklist of subtasks.
4. Enter the subtask text.
5. Tap **Done** .

Note

- You can set a reminder and a repeat interval of each subtask checklist.
- If you want to add more subtasks, tap .


Security

You can use  **Security** to clean up phone storage, manage Apps and permissions, filter and block spam calls and messages, and protect your phone from hidden viruses or malicious Apps.



App lock

 **App lock** helps protect your privacy. See [App lock](#) for more information.

Battery and performance

Use  **Battery & performance** to test the power consumption and optimize battery-related items. See [Chapter 3 Battery and maintenance](#) for more information.



Blocklist

 **Blocklist** automatically filters all types of spam, phishing, and marketing calls and messages.  **Blocklist** displays the history of your filtered SMS messages and incoming calls.

Note

Highlighted phone numbers indicate unread messages or calls. Phone numbers go from red to black after you read corresponding messages or call history.

Manage blocked incoming calls

1. Go to  **Security** >  **Blocklist** .
2. Choose a blocked call.
3. Tap the phone number to view call history.
4. Manage blocked incoming calls.
 - Tap a call in the call history to dial or send a message.

- Tap **Unblock** to unblock the number.

Tip

You can touch and hold a phone number to delete multiple items.

Enable Blocklist




1. Go to  **Security** >  **Blocklist** > .
2. Tap  to enable **Blocklist**.

Manage blocklist







Use phone numbers, prefixes, and locations to establish blocking condition.

Note

Enable **Blocklist** first.


1. Go to  **Security** > .
2. Tap  at the upper-right corner of the phone.
3. Manage blocklist.
 - Tap **Blocked numbers** to block calls and messages from specific numbers.
 - Tap **Exceptions** to allow calls and messages from specific numbers.

Call blocklist settings


1. Go to  **Security** >  **Blocklist** > .
2. Tap **Call blocklist** choose to block calls.
 - Tap  to enable **Block calls from strangers**.
 - Tap  to enable **Block forwarded calls**.
 - Tap  to enable **Block calls from contacts**.

- Tap  to enable **Block calls from hidden numbers**.



Boost speed

Use  **Boost speed** to help your phone work faster. The feature clears cache and memory of the running third-party Apps, running system Apps, and locked running Apps.

Cleaner

Use  **Cleaner** to delete useless items that are stored on your phone and make your phone work fast and productively.




Clear trash

1. Open  **Security**.
2. Tap  **Cleaner** to launch an automatic scan for trash.
3. Choose items you want to clear.
4. Tap the button below to clean up the selected items.

Note

Cleaner scans trash of cache files, obsolete files, installation packages, residuals, and memory cache.


Set the reminder

1. Go to  **Security** >  **Cleaner**.
2. Tap  at the upper-right corner of the phone.
3. Set trash size limit and schedule alerts frequency.

Note



You can receive an alert notification to use **Cleaner** when trashes reaches the limit. **Remind to clean** is enabled by default.

Data usage

Use  **Data usage** to manage your data plan. It keeps track of data usage and helps restrict mobile data, background data, or Wi-Fi usage of Apps.

Deep clean


Delete the redundant photo

Use  **Deep clean** to detect duplicate photos and poor-quality images in your  **Gallery**. You can choose to delete redundant items.

Uninstall the unused app

Use  **Deep clean** to delete the rarely used apps to free up space.


Delete App data

Use  **Deep clean** to view the storage use of each app on your phone and free up space.






Delete the big file

Use  **Deep clean** to delete the unimportant big files.

Delete the unnecessary video


Use  **Deep clean** to see all videos that are saved on your phone. You can delete the unnecessary ones and free up space.

Deep clean settings

1. Go to  **Security** >  **Deep clean** .
2. Tap  at the upper-right corner of the phone.
3. Choose to manage **Deep clean** settings.
 - Tap  to enable **Remind to clean**, and then to set trash size limit and schedule.
 - Tap  to enable **Scan app memory**.

- Tap  to enable **Show Home screen shortcut**.


Dual apps

 **Dual apps** allows you to clone an existing app on your device and use it independently with a different account. See [Dual apps](#) for more information.



Facebook cleaner

Use  **Facebook cleaner** to clean images, videos, GIFs, or Cache files.





Game Turbo

 **Game Turbo** boosts the connection stability for games by limiting the bandwidth of background downloads and reducing network delay. This feature clears memory reserved for the background processes to give more space for the game and prevents you from notification disturbances.








Open games with Game Turbo


1. Go to  **Security** >  **Game Turbo** .
2. Swipe up or down in the left part of the screen to select a game.
3. Tap **Start playing** to launch the game with **Game Turbo**.

Add games to Game Turbo







1. Go to  **Security** >  **Game Turbo** .
2. Tap  to view games.
3. Tap  to add games to **Game Turbo**

Manage Booster General settings

1. Go to  **Security** >  **Game Turbo** >  .
2. Tap **General Settings**.
3. Choose to manage Booster General settings.
 - Tap  to enable **Game Turbo** to improve gaming experience.
 - Tap  to enable **In-game shortcuts**. You can swipe from the top side edge of the screen to view games.
 - Tap  to enable **Content recommendations** to receive gaming-related content recommendations.
 - Tap  to enable **Remove added games from Home screen**.





- Tap **Uninstall games** to choose to uninstall games at once.
- Tap  to enable **Home screen shortcut**.
- Tap **Add game** to add games to **Game Turbo**.

Set up Performance mode

1. Go to  **Security** >  **Game Turbo** >  .
2. Tap **Performance mode** to set up Performance mode.
 - Tap **Performance mode** to choose to enable **Wi-Fi optimization** or **Optimized touch controls**. **Wi-Fi optimization** reduces Wi-Fi network delay. **Optimized touch controls** increases touch response and sensitivity.
 - Tap  to enable **Performance optimization** to avoid overheating and hardware-related issues.
 - Tap **Memory exceptions** to add Apps to exceptions and prevent them from being optimized.
 - Tap  to enable **Mi WiFi speed boost** to increase connection speed by 10% to 20% when the phone is connected to Mi/Redmi routers.
 - Tap  to enable **Lower screen brightness automatically**.



Set up Game DND

The feature restricts selected system features, buttons, and full screen gestures when you play games.

1. Go to  **Security** >  **Game Turbo** >  .
2. Tap **Game DND** to set up Game DND.
 - Tap **Enhanced experience** to choose to enable **Turn off auto brightness**, **Turn off Reading mode**, **Restrict screenshot gestures**, or **Don't open Notification shade**.
 - Tap  to enable **Restrict buttons and gestures**.

Manage GPU settings

GPU settings help select or customize the performance between the **Picture quality**, the **Highest frame rate**, and the **Gaming performance** when you play a game.

1. Go to  **Security** >  **Game Turbo** .
2. Tap **Default** at the bottom of the phone.



3. Tap **GPU settings** to choose GPU modes such as **Default**, **Save power**, **Balance**, **High quality**, or **Custom**.

Note

Custom enables you to customize **Frame rate**, **Resolution**, **Anisotropic filtering**, **Texture filtering quality**, **Mipmap LOD bias**, and **Multithreaded rendering**.



Set up Touch Controls

Touch Controls helps select or customize the performance between the **Swipe response**, **Sensitivity to continuous taps**, **Aiming accuracy**, and **Tap stability**.

1. Go to  **Security** >  **Game Turbo** .
2. Tap **Default** at the bottom of the phone.
3. Tap **Additional settings** to choose **TOUCH CONTROLS** modes.
 - Tap **Classic mode (Default)**.
 - Tap **Pro mode**. **Pro mode** is designed for professional players.
 - Tap **Customize** to personalize the **Swipe response**, **Sensitivity to continuous taps**, **Aiming accuracy**, and **Tap stability**.



Set up Touch-resistant area

The feature reduces touch sensitivity near the edges to avoid triggering touch controls.



1. Go to  **Security** >  **Game Turbo** .
2. Tap **Default** at the bottom of the phone.
3. Tap **Additional settings** to choose **Touch-resistant area**.

Set up Enhanced visuals

The feature helps increase contrast and enhance details for games.

1. Go to  **Security** >  **Game Turbo** .
2. Tap **Default** at the bottom of the phone.
3. Tap **Additional settings** to choose **Enhanced visuals** performances.

Restore default settings


1. Go to  **Security** >  **Game Turbo** .
2. Tap **Default** at the bottom of the phone.

3. Tap **Additional settings** to choose **Restore default settings**.
4. Tap **Restore**.
5. Tap **OK**.

Toolbox

You can use **Toolbox** when you enter a game for quick settings.


Boost performance

1. Open a game in  **Game Turbo**.
2. Swipe right the sidebar to open Toolbox.
3. Tap **Boost** to boost performance.



Use Voice changer

You can use Voice changer to spice up your conversations.

You need to give **Voice changer** the permission to record audio.



1. Open a game in  **Game Turbo**.
2. Swipe right the sidebar to open Toolbox.
3. Tap **Voice changer** to change your speak voice.
4. Choose a voice type from **Original, Girl, Woman, Cartoon, Robot, or Man**.

Note

You can press and hold  to speak in 0 to 10 seconds, then release  to listen to a voice demo.

Set timers

You can set up four timers to time your sessions.


1. Open a game in  **Game Turbo**.
2. Swipe right the sidebar to open Toolbox.
3. Tap **Timer** to show four timers.
4. Tap  to start the timer.
5. Tap the time to stop the timer.

Note

You can start the timers at different time.

Open an App in floating window





You can open an App in floating window without interrupting the gaming experience.

1. Open a game in  **Game Turbo**.
2. Swipe right the sidebar to open Toolbox.
3. Tap an App icon to open the App in floating window.

Note

If you want to learn how to move floating windows, view floating windows in fullscreen mode, minimize floating windows, or minimize an App, see [Learn floating windows](#) for more information.


Manage floating window shortcuts

1. Open a game in  **Game Turbo**.
2. Swipe right the sidebar to open Toolbox.
3. Tap  in the App list.
4. Manage App floating window shortcuts.
 - Tap  to add the App to the floating window shortcuts.
 - Tap  to remove the App from the floating window shortcuts.
5. Tap **Done**.

Note

- You can add up to 10 Apps.
- You can press and hold the App icons to rearrange the positions.




Use features in Toolbox

1. Open a game in  **Game Turbo**.
2. Swipe right the sidebar to open Toolbox.
3. Choose to use features in Toolbox
 - Tap **Clear memory** to free up more space for games.

- Tap **Free up storage** to perform a deep clean.
- Tap **Screenshot** to take a screenshot of games.
- Tap **Record** to record a screen video of games.
- Tap **DND** to restrict floating notifications.

Hide apps

Use **Hide apps** enables you to hide App icons so they no longer appear on your Home screen.

1. Go to  **Security** >  **Hide apps** .
2. Tap  beside an app to hide the app icon.





Open hidded Apps

1. Spread two fingers on the Home screen.
A folder with hidden Apps shows.
2. Tap a hidded App.

Note



If you enabled App lock, you need to enter the password when you open the hidden folder.

Manage Hide apps


1. Go to  **Security** >  **Hide apps** .
2. Tap  at the upper-right corner of the phone.
3. Manage Hide apps.
 - Tap  to enable **Hide notifications** to not show the notifications from hidden Apps.

- Tap  to enable **App lock** to protect private files.



Manage Apps

You can go to  **Security** >  **Manage apps** to update and uninstall Apps or manage the permissions. See [Manage apps](#), [Dual apps](#), and [Permissions](#) for more information.

Privacy


Use  **Privacy** to manage Apps that request sensitive permissions, monitor how Apps use sensitive permissions, and manage other privacy-related permissions. See [Privacy protection](#) for more information.

Second space

You can go to  **Security** >  **Second space** to create a second space to separate and secure your data.





You can also go to  **Settings** >  **Special features** > **Second space** to turn on Second space. See [Turn on Second space](#) for more information.

Security scan


Use  **Security scan** to scan your phone for dangerous Apps and viruses. The feature timely solves the issues related to Wi-Fi, payment environment, privacy, and viruses.

Scan before installing

Apps checked for viruses and malware before installing.

1. Go to  **Security** >  **Security scan** .
2. Tap  at the upper-right corner of the phone.
3. Tap  to enable **Scan before installing**.

Solve problems


Use  **Solve problems** to scan and solve performance, network, settings, battery, and other issues of the phone.

Note

If you find some problems, you can tap **Submit** to report issues or suggestions in **Service & feedback**.

Test network


Find and solve network-related issues

Use  **Test network** to run a network test when you encounter problems with network. You can follow the onscreen instructions to resolve the current network problems after you see the test results.

Close connected Apps






All Apps currently connected to the internet are shown in the test results. You can tap an App to force to stop it.

Themes

 Themes can give your phone a new look. Themes is the official personalization platform of MIUI with thousands of high-quality themes. Besides the familiar themes, wallpapers, ringtones, and fonts, you will be able to find lots of other personalization options for your Lock screen and Home screen.

Tools



Calculator

1. Open  **Calculator**.
2. Choose proper calculators.
 - Tap  to use the basic calculator for basic arithmetic calculations.
 - Tap  to switch to the scientific calculator for trigonometric functions, angular radians, and roots.
 - Tap  to use the Converter calculator to convert currencies and multiple units of measurement.
 - Tap  to use the Mortgage calculator to help you plan finances with adjustable repayment methods and interest rates.

Clock




Add an alarm

1. Open  **Clock**.





2. Tap  on the start page to add an alarm.
3. Adjust the alarm time.
4. Set the ringtone, repeat frequency, and other items.
5. Tap .

Add custom clock




You can add clocks in different countries and regions to compare the time.

1. Open  **Clock**.
2. Tap .
3. Tap .
4. Search for country or city.
5. Tap the location to add a custom clock.

Use stopwatch




1. Open  **Clock**.
2. Tap .
3. Tap  to start.
4. Tap  to pause the stopwatch.

Note


You can tap  to mark different time segments, tap  to continue, or tap  to reset the stopwatch.

Set a timer




You can set times with duration from one second to 99 hours 59 minutes and 59 seconds.

1. Open  **Clock**.
2. Tap .
3. Set the time period.
4. Tap  to start timing.

Tip


You can tap  to add an ambient noise. You can also choose to silence the alarm at the end of an ambient noise timer.

Note

The timer stops automatically when the timing ends. You can also tap  to pause the timer, tap  to continue, or tap  to reset the timer.

Compass


Use compass

1. Open  **Compass**.
2. Place your phone on a horizontal or vertical surface to see the compass face.

Tip

You can see the real-time view provided by your camera when you hold the phone vertically.

Use a level



1. Open  **Compass**.
2. Swipe left from the start page to use your phone as a level.
3. Place your device on a horizontal or vertical surface to see the level face.

Note

When the color of the circles turns green, it shows the phone is horizontal or vertical to the surface.

Downloads


Add a new download job

1. Open  **Downloads**.
2. Tap  at the lower-right corner.
3. Enter an HTTP or HTTPS link in the box.
4. Tap **Download** .

Tip




You can swipe left from the start page to view the completed download jobs.

Mi Remote




 **Mi Remote** is a universal remote control App that works with your phone's IR Blaster (Infrared Blaster) port. Mi Remote supports Samsung, LG, Sony, Panasonic, Sharp, Haier, Videocon, Micromax, Onida, and other brands. You can control the available appliances including TVs, set-top boxes, DVD players, smart boxes, air conditioners, projectors, cameras, and other devices in your home.

Recorder



Record audio

1. Open  **Recorder**.
2. Tap  to start.
3. Tap  to stop recording.
4. Tap **OK** to save the recording.




Tip





- The recording name is generated by default. You can edit the name to a new one.
- You can tap  to mark specific segments, tap  to pause the recording, and tap  to continue the recording.

View recordings


1. Open  **Recorder**.
2. Tap  at the lower-right corner of the phone.
3. Tap the recording that you want to view.

Set Recorder

1. Open  **Recorder**.
2. Tap  at the upper-right corner of the phone.
3. Choose to manage Recorder settings.
 - Tap  to enable **Earpiece mode** to play audio using the earpiece speaker.

- Tap  to enable **Lock screen notifications** to show a blue indicator on the Lock screen while recording.
- Tap  to enable **Home screen indicator** to show a blue indicator on the Home screen while recording.
- Tap  to enable **Mute ringer when recording**.
- Tap  to enable **Name recording manually**.
- Tap **Recording format** to select **AAC**, **MP3**, or **WAV**.
- Tap **File management permissions** to allow Recorder to access stored files.
- Tap **Delete synced recordings** to delete synced recordings.
- Tap **Recently deleted items** to manage deleted items. Deleted items can be stored in the trash for up to 30 days.
- Tap **Clear data** to delete cached items, app data, and customized settings.

Scanner

You can open  **Scanner** and place the QR code inside the frame to scan different types of QR codes and bar codes.

Caution

You do not use Scanner to take photos of the objects that contain your personal information.

Tip

You can turn on the flash in the dark environment.

Services & Feedback

You can report the issues you encounter to our developers. Your suggestions on how to improve MIUI are welcomed. We always do our best to fix the issues you report in the upcoming updates.

Open Services & Feedback

You can access **Services & Feedback** with one of the two following methods:

- Tap  **Services & Feedback** in **Tools**.

- Tap  **Services & Feedback** in  **Settings**.


Submit feedback

1. Open **Services & Feedback**.
2. Tap **Submit feedback** .
3. Choose **Issues** or **Suggestions** to describe issues.
 - Tap **Issues** and describe the issues.
 - Tap **Suggestions** and share how you would like to improve MIUI.
4. Select the item of your feedback.
5. Select the reproductivity and time.
6. Tap **Send** .

Note


You can choose to add an image or video, enter your phone number or email, or add logs when you submit a feedback.

ShareMe

You can use  **ShareMe** to back up or transfer files between Android devices or between your mobile devices. See [Transfer files with the ShareMe App](#) for more information.

Weather

View weather info



Open  **Weather** to view the current and the 5-day forecast weather information of your location.

Note

24-hour forecast, wind speed and direction, real feel, UV index, and pressure are also displayed on the start page.



Manage cities

Add a city



1. Open  **Weather**.
2. Tap  at the upper-left corner of the start page.
3. Search for city.

4. Tap  to add the city to the start page.

Delete a city

1. Open  **Weather**.
2. Tap  at the upper-left corner of the start page.
3. Touch and hold a city.
4. Tap **Delete** .




Share weather info

1. Open  **Weather**.
2. Tap  at the upper-right corner of the start page.
3. Tap **Share** .

The system automatically creates a picture with the weather information.


4. Choose a platform to share the picture.

Manage Weather settings

1. Open  **Weather**.
2. Tap  at the upper-right corner of the start page.
3. Tap **Settings** to manage Weather settings.
 - Set your preferred temperature units, wind speed units, or atmospheric pressure units.
 - Tap  to enable **Update at night automatically** to allow the App to update weather info between 23:00 and 7:00.



- Tap  to enable **Sound effects** when the weather changes.

Xiaomi Community

 **Xiaomi Community** is an official forum for Xiaomi users. It helps and provides the latest news about Xiaomi Products and MIUI updates. You can chat with Xiaomi fans in Xiaomi Community.

Chapter 13 About device and accounts

About the phone



You can go to  **Settings** >  **About phone** to view the information such as MIUI version information, important safety information, the certification information, and other information.

Update MIUI version



Update the MIUI system to the latest MIUI version to use the newest features.

Note

The system informs you of the latest MIUI version update information. You can choose whether to update or not.

1. Go to  **Settings** >  **About phone** .
2. Tap the MIUI version information to update to the latest MIUI version.



Factory reset

1. Go to  **Settings** >  **About phone** .
2. Tap **Factory reset** and follow the onscreen instructions.

Note

You need to back up all important items such as accounts, contacts, photos and videos, Apps, backups, SD card data, and other items.

System apps updater

You can go to  **Settings** >  **System apps updater** to view the update information of Apps and update history.



Manage System apps updater

1. Go to  **Settings** >  **System apps updater** >  > **Settings** .

2. Manage **System apps updater**.

- Tap to enable **Show update notifications**.
- Tap **Auto updates** to set auto updates by Wi-Fi, mobile data, or both methods.

Memory extension

You can go to  **Settings** >  **Additional settings** > **Memory extension** to add 3.00 GB of RAM by occupying storage.

Note

Use this feature only when there is enough storage space available on your device.

Mi Account

You can go to  **Settings** >  **Mi Account** to sign in with your Mi Account.



Google

You can go to  **Settings** >  **Google** to sign in with your Google Account.

Accounts & sync

Enable Auto-sync data



Any changes you make to your accounts on the web will be automatically copied to your phone.

1. Go to  **Settings** >  **Accounts & sync** .
2. Tap to enable **Auto-sync data**.
3. Tap **OK** .
4. Tap **Sync** in the pop up window.

Note

You can also tap **Sync now** at the bottom of the phone to sync data manually.

Enable Wi-Fi only

1. Go to  **Settings** >  **Accounts & sync** .
2. Tap to enable **Wi-Fi only**.

ⓘ Note

You need to enable **Auto-sync data** before you enable **Wi-Fi only**.

Services & feedback

You can go to  **Settings** >  **Services & feedback** to search for issues and send feedback. See [Services & Feedback](#) for more information.

Chapter 14 Legal information

About Dual SIM

- Supports Dual SIM cards with no carrier restrictions, dual 5G ①
- Supports Dual Nano-SIM card slots, either card can be set as the primary card
- Supports Dual SIM 5G/4G/3G/2G
- Supports Dual SIM VoLTE ②

Note ①: 5G connection depends on country, carrier, and user environment.

Note ②: VoLTE depends on carrier's network and related service deployment.

- Please do not insert non-standard SIM cards into the SIM card slot. They may damage the SIM card slot.
- **WARNING:** Do not disassemble this device.

WEEE



Special precautions must be taken to safely dispose of this product. This marking indicates that this product may not be discarded with other household waste in the EU.

To prevent harm to the environment or human health from inappropriate waste disposal, and to promote sustainable reuse of material resources, please recycle responsibly.

To safely recycle your device, please use return and collection systems or contact the retailer where the device was originally purchased.

To view our Environmental Declaration, please refer to the following link:
www.mi.com/en/about/environment

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO INSTRUCTIONS.



To prevent possible hearing damage, do not listen at high volume levels for long periods.

Additional safety information and precautions can be accessed at the following link: www.mi.com/en/certification

Important Safety Information

Read all safety information below before using your device:

- Use of unauthorized cables, power adapters, or batteries can cause fire, explosion, or pose other risks.
- This device's operating temperature range is 0°C to 40°C. Using this device in an environment outside of this temperature range may damage the device.
- If your device is provided with a built-in battery, to avoid damaging the battery or the device, do not attempt to replace the battery yourself.
- Charge this device only with the included or authorized cable and power adapter. Use only authorized accessories which are compatible with your device.
- After charging is complete, disconnect the adapter from both the device and the power outlet. Do not charge the device for more than 12 hours.
- The battery must be recycled or disposed of separately from household waste. Mishandling the battery may cause fire or explosion. Dispose of or recycle the device, its battery, and accessories according to your local regulations.
- Do not disassemble, hit, crush, or burn the battery. If the battery appears deformed or damaged, stop using it immediately.
 - Do not short circuit the battery, as this may cause overheating, burns, or other injury.
 - Do not place the battery in a high-temperature environment.

- Overheating may cause explosion.
- Do not disassemble, hit, or crush the battery, as this may cause the battery to leak, overheat, or explode.
- Do not burn the battery, as this may cause fire or explosion.
- User shall not remove or alter the battery. Removal or repair of the battery shall only be done by an authorized repair center of the manufacturer.
- Keep your device dry.
- Do not try to repair the device yourself. If any part of the device does not work properly, contact Mi customer support or bring your device to an authorized repair center.
- Connect other devices according to their instruction manuals. Do not connect incompatible devices to this device.
- For AC/DC adapters, the socket-outlet shall be installed near the equipment and shall be easily accessible.

Safety Precautions



- Observe all applicable laws and rules restricting use of mobile phones in specific situations and environments.
- Do not use your phone at petrol stations or in any explosive atmosphere or potentially explosive environment, including fueling areas, below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air may contain chemicals or particles such as grain, dust, or metal powders. Obey all posted signs to turn off wireless devices such as your phone or other radio equipment. Turn off your mobile phone or wireless device when in a blasting area or in areas requiring "two-way radios" or "electronic devices" to be turned off to prevent potential hazards.
- Do not use your phone in hospital operating rooms, emergency rooms, or intensive care units. Always comply with all rules and regulations of hospitals and health centers. If you have a medical device, please consult your doctor and the device manufacturer to determine whether your phone may interfere with the device's operation. To avoid potential interference with a pacemaker, always maintain a minimum distance of 15 cm between your mobile phone and the pacemaker. This can be done by using your phone on the ear

opposite to your pacemaker and not carrying your phone in a breast pocket. To avoid interference with medical equipment, do not use your phone near hearing aids, cochlear implants, or other similar devices.

- Observe all aircraft safety regulations and turn off your phone on board aircraft when required.
- When driving a vehicle, use your phone in accordance with relevant traffic laws and regulations.
- To avoid being struck by lightning, do not use your phone outdoors during thunderstorms.
- Do not use your phone to make calls while it is charging.
- Do not use your phone in places with high humidity, such as bathrooms. Doing so may result in electric shock, injury, fire, and charger damage.

Security Statement

Please update your phone's operating system using the built-in software update feature, or visit any of our authorized service outlets. Updating software through other means may damage the device or result in data loss, security issues, and other risks.

EU Regulations



RED Declaration of Conformity

Xiaomi Communications Co., Ltd. hereby declares that this GSM / GPRS / EDGE / UMTS / LTE / 5G NR Digital Mobile Phone with Bluetooth and Wi-Fi 22081212UG is in compliance with the essential requirements and other relevant provisions of the RE Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.mi.com/en/certification

RF Exposure Information (SAR)

This device is in compliance with Specific Absorption Rate (SAR) limits for general population/uncontrolled exposure (Localized 10-gram SAR for head and trunk, limit: 2.0W/kg) specified in Council Recommendation 1999/519/EC, IC-NIRP Guidelines, and RED (Directive 2014/53/EU).

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands and placed in positions that simulate RF exposure during use against the head with no separation and near the body with a separation of 5 mm.

SAR compliance for body operation is based on a separation distance of 5 mm between the unit and the human body. This device should be carried at least 5 mm away from the body to ensure RF exposure level is compliant or lower than the reported level. When attaching the device near the body, a belt clip or holster should be used which does not contain metallic components and allows a separation of at least 5 mm to be maintained between the device and the body. RF exposure compliance was not tested or certified with any accessory containing metal worn on the body, and use of such an accessory should be avoided.

Certification Information (Highest SAR)

SAR 10 g limit: 2.0 W/Kg

SAR Value: Head: 0.997 W/Kg, Body: 0.997 W/Kg (5 mm distance).

Legal Information

This device may be operated in all member states of the EU.

Observe national and local regulations where the device is used.

This device is restricted to indoor use only when operating in the 5250 to 5350 MHz frequency range in following countries:

AT	BE	BG	HR	CY	CZ	DK	
EE	FI	FR	DE	EL	HU	IE	
IT	LV	LT	LU	MT	NL	PL	
PT	RO	SK	SI	ES	SE	UK(NI)	
IS	LI	NO	CH	TR			

Restrictions in the 2.4 GHz band:

Norway: This subsection does not apply for the geographical area within a radius of 20 km from the center of Ny-Ålesund.

Ensure the power adapter used meets the requirements of Clause 6.4.5 in IEC/EN 62368-1 and has been tested and approved according to national or local standards.

Frequency Bands and Power

This mobile phone offers the following frequency bands in EU areas only and maximum radio-frequency power:

GSM 900: 35.5 dBm

GSM 1800: 32.5 dBm

WCDMA band 1/8: 25.7 dBm

LTE band 1/3/7/8/20/28/38/40/41: 25.7 dBm LTE Band 42: 26 dBm

5G NR band n1/n3/n7/n8/n20/n28/n38/n40/n41/n77: 26 dBm, 5G NR band n78: 29 dBm

Bluetooth: 20 dBm

Wi-Fi 2.4 GHz band: 20 dBm

Wi-Fi 5 GHz: 5150 to 5250MHz: 23 dBm, 5250 to 5350 MHz: 23 dBm, 5470 to 5725 MHz: 23 dBm, 5725 to 5850 MHz: 14 dBm

NFC: 13.56 MHz < 42 dBuA/m at 10m

FCC Regulations

This mobile phone complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This mobile phone has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on,

the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy. The exposure standard for wireless devices employs a unit of measurement known as Specific Absorption Rate, or SAR.

The SAR limit set by the FCC is 1.6 W/Kg. For body-worn operation, this device has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and positions the device a minimum of 1.5 cm from the body. RF exposure compliance with any body-worn accessory that contains metal was not tested and certified, and use of such body-worn accessory should be avoided. Any accessory used with this device for body-worn operation must keep the device a minimum of 1.5 cm away from the body.

FCC Note

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

E-label

This device has an electronic label for certification information.

To access it, please go to **Settings > About phone > Certification**, or open **Settings** and type "Certification" into the search bar.

Model: 22081212UG

2208 indicates that this product will be launched after 202208.

Disclaimer

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Brand: Xiaomi

Model: 22081212UG

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