

Sonim Enduro™ 5G

User Guide

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Getting started

The topics in this section will introduce you to your phone, help you get set up with service, provide an overview of the phone screen, and get you started with basic phone operations.

Introduction

The following topics describe the basics of using this guide and your new phone.

About the user guide


Thank you for purchasing your new P200 Smartphone. The following topics explain how best to use this guide to get the most out of your phone.

Before using your phone

Read the Safety Information Guide that came with your device thoroughly for proper usage.

Accessible services may be limited by subscription contract conditions.

Descriptions in the user guide

Note that most descriptions in this guide are based on your phone's setup at the time of purchase. Unless otherwise noted, instructions begin from the phone's Home screen, which is displayed by pressing the **Home** button . Some operation descriptions may be simplified.

Screenshots and key labels

Screenshots and other illustrations in this user guide may appear differently on your phone. Key labels are simplified for description purposes and differ from your phone's display.

Other notations

In the user guide, the phone may be referred to either as "phone," "device," or "handset." A microSD™ or microSDHC™ card is referred to as an "SD card" or a "memory card."

Set up your phone

The following topics give you all the information you need to set up your phone and wireless service for the first time.

Parts and functions

These topics illustrate your phone's primary parts and key functions.



Note: Your phone's screens and app layouts are subject to change. This user guide uses sample images only.

Part	Description
Front camera	Take pictures and record videos while facing the screen.
Headset port	Plug in a headset (sold separately) to listen to music or for convenient, hands-free conversations.
Microphone	Transmit your voice electronically for a call, voice recording, or Google Assistant.
Receiver	Hear the caller and automated prompts.
Touch screen	<ul style="list-style-type: none">• View information needed to operate your phone.• Access your phone's features and applications.
USB Type-C charging & accessory port	Connect the USB cable (included) for charging, or connect other accessories.
Speaker	Listen to calls, automated prompts, and music.
SIM tray	Insert your Nano SIM card and microSD for service and additional storage.
Eject SIM tray	Insert the included SIM tray pin into the tray slot and remove the SIM tray.
Volume keys	Adjust the volume for ringtones, media, notifications, and system sounds.

Part	Description
Power/Lock key & Fingerprint sensor	Power/Lock key <ul style="list-style-type: none"> • Press to turn the screen on or off. • Press and hold to turn the phone on. • Press along with the Volume up key to turn the phone off. • Press along with the Volume down key to take a screenshot.
	Fingerprint sensor Unlock your phone with a touch of your finger.
Programmable key	<ul style="list-style-type: none"> • Press to access Camera. • Press and hold while phone unlocked to turn flashlight on or off.
Rear cameras	<ul style="list-style-type: none"> • Take pictures and record videos with a 16+5+2 MP lens. • Use features such as the night mode, panorama mode, AR sticker, time lapse, and more.
Flash	<ul style="list-style-type: none"> • Brighten photos taken indoors or at night. • Use as a flashlight to see in dark areas.

CAUTION! Inserting an accessory into the incorrect port may damage the phone.

Battery use

The following topics explain how to care for your phone's non-removable battery.



Battery cautions

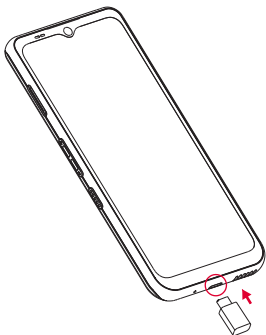
Avoid storing or leaving the phone with no charge remaining. Saved information and settings may become lost or changed, or the battery may become unusable. Charge once every six months before storing or leaving unused for a long period of time.

Charge the battery

Follow these instructions to charge your phone's battery using either the included AC adapter or via USB connection on your computer.

Charge using the AC adapter

1. Connect one end of the data cable to the USB port located on the bottom of your phone.

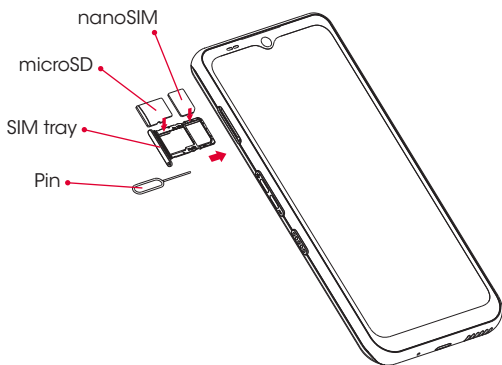


2. Connect the other end to the power adapter.
3. Connect the power adapter to an electrical outlet to fully charge your phone.
 - Use the power adapter that comes with your phone; using other adapters may damage your phone.
 - Charging your phone with a USB cable connected to a laptop will take longer than with the power adapter.
 - The phone will power off automatically when the battery is too low. Charge the battery if this happens. When the battery is critically low, the phone may need a few minutes to build a charge before turning back on. Playing games or performing other activities while charging may drain the battery and cause it to power off.
 - The battery will gradually discharge if it is left unused for an extended period. Before using the battery again, you must recharge it in order to power on and use your phone normally.

Install a SIM/SD card

Insert a Nano SIM/microSD card

1. Insert the included SIM tray pin into the tray slot and remove the SIM tray.
2. Place the Nano SIM card and microSD card (optional) with metal contacts facing down into the tray.
3. Gently slide the SIM tray back into the slot.



Turn your phone on and off


The instructions below explain how to turn your phone on and off.

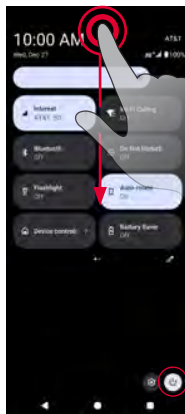
Turn your phone on

Press and hold the **Power/Lock** key until the device turns on.

Turn your phone off

There are two ways you can use to turn your phone off.

- Press the **Power/Lock** key and the **Volume up** key at the same time, and tap **Power off**.
- Swipe down on the Status bar twice to enter Quick Settings panel, and tap **Power icon**  > **Power off**.



Power/Lock key



Power icon

Use the touch screen

Your phone's touch screen lets you control actions through a variety of touch gestures.



Tap or touch

Tap or touch with your finger to type characters into the on-screen keyboard, select and open applications and settings, or press on-screen buttons.



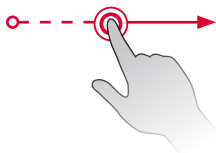
Touch and hold

Touch and hold an item to view available options (for example, a contact or link in a Web page), or to move icons or widgets.



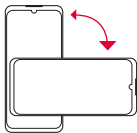
Swipe or slide

Quickly drag your finger vertically or horizontally across the screen to swipe or slide.



Drag

Touch and hold your finger with slight pressure, then move your finger slowly across the screen to drag. While dragging, do not release your finger until you have reached the target position.



Rotate

Rotate the phone sideways to change the screen orientation from portrait to landscape automatically. When entering text, you can turn the phone sideways to bring up a bigger keyboard. See ["Portrait and landscape screen orientation" on page 26](#) for more details.



Pinch and spread

Use your thumb and forefinger in a pinching motion on your screen to zoom out, or spread them to zoom in when viewing a picture or a web page. (Move fingers inward to zoom out and outward to zoom in.)

Complete the setup screens

Once your service has been activated, you will need to run Setup. The Setup Wizard will appear to guide you through the basic settings on your device.

You will be prompted to select the language you want to use, set up your Wi-Fi connection, set a screen lock method, sign in to your Google™ Account, select location services, and more.

Follow the remaining instructions to finish your phone setup.




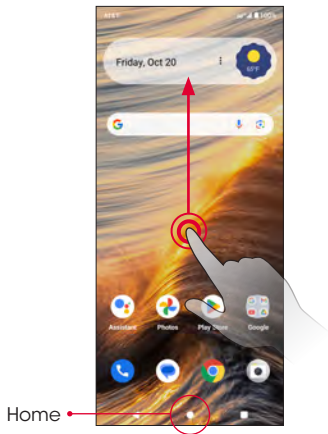
Basic operations

The following topics outline basic features and operations of your phone.

Home screen and Apps list

Most of your phone's operations originate from the Home screen or the **Apps** (applications) list.

1. From any screen, press the **Home** button  to display the Home screen.
2. From the Home screen, swipe up to access the **Apps** list.



For information about using the Home screen, see [*"Home screen basics" on page 39.*](#)

Select options and navigate screens

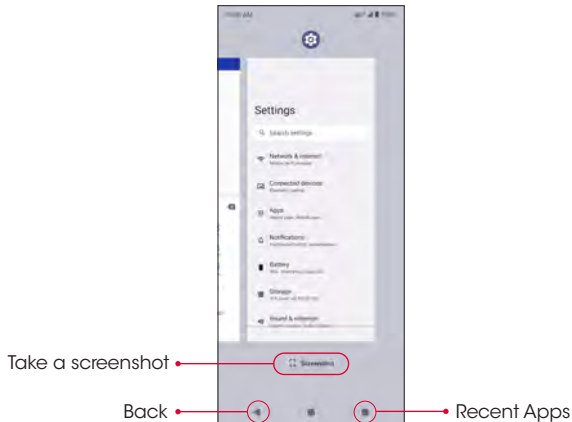
Tap icons, on-screen buttons, and other items to open or activate the assigned function.

- Tap the **Back** button ◀ to return to the previous screen.

Recent applications

View your recently used applications by tapping the **Recent Apps** button ■.

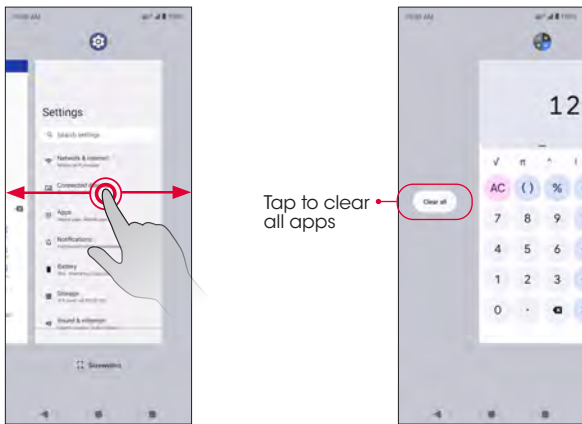
On recent applications screen, tap **Screenshot** to take a screenshot of the current-displayed card.



Switch between recently opened apps

You can easily switch between the apps you've recently opened.

Tap the **Recent Apps** button  to see your recently opened apps.





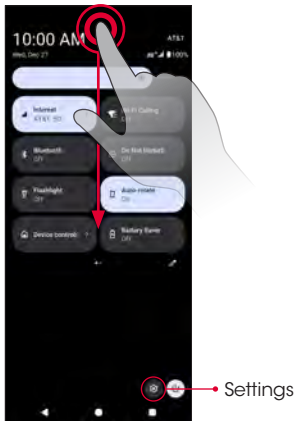
1. Swipe right or left through the cards to find an app and tap it.
2. To close an app, swipe up on it.
3. To close all of the apps and clear the list, slide to the far left of the list and tap **Clear all**.

You can tap the **Recent Apps** button  twice to switch between the two most recently used apps quickly.

Phone settings menu

You can customize your phone's settings and options in the Settings menu. There are two ways to access the Settings menu:

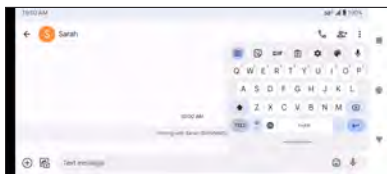
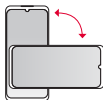
- From the Home screen, swipe up to access **Apps** and tap **Settings** .
- From any screen, swipe the Status bar down twice to access Quick Settings Panel and tap **Settings**  at the bottom right corner.



For more information, see [*"Basic settings" on page 100.*](#)


Portrait and landscape screen orientation

The default orientation for your phone's screen is portrait (vertical), but many apps will change to landscape orientation (horizontal or widescreen) when the phone is rotated sideways.




Note: Not all screens can be used in landscape orientation.

Turn screen rotation on or off

Drag the Status bar down twice and tap **Auto-rotate**  to turn it on or off.

You can also set the rotation option from the Settings menu.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .

2. Tap **Display**  > **Auto-rotate screen** and slide the switch to the **On**  or **Off**  position to activate or deactivate screen rotation.

Capture screenshots

To capture a screenshot, press the **Power/Lock** key and **Volume down** key at the same time to capture a screenshot of the current screen.

Your screenshots will be stored in the Screenshots folder in the Photos app.

From the Home screen, tap **Photos**  > **Library** > **Screenshots**.

Applications

Launch apps

All installed apps can be accessed and launched from the **Apps** list.

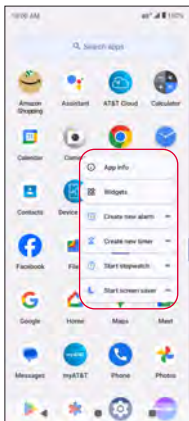
1. From the Home screen, swipe up to access the **Apps** list.
2. Tap an app icon to launch the app.

Group app folders

1. From the Home screen, tap a group app folder to open and tap an app shortcut to launch the app.
2. To add more apps to the folder, drag each app over to the folder.

App shortcuts

Tap and hold an app icon on the Home screen or Apps list to display a shortcut menu that lets you quickly access common app functions.





Note: Not all apps support the App shortcuts feature.

Control app permissions

The first time you open an app, you'll be asked to grant permissions to access certain data or features. This ensures that you have full control of which apps have authorized access.


If you don't want to grant access to an app, choose **DENY**. If you choose **DENY** in a trusted app, you may not be able to use the app or access all the functions.

To modify permission settings, follow the steps below:

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Apps**  > **See all apps**, and tap the app you want to modify

permissions for.



3. Tap **Permissions** to view the apps you've allowed or haven't allowed
4. Tap an app and select **Allow only while using the app**, **Ask every time**, or **Don't allow** to adjust the permission settings.

Tip: You can also access permission settings by touching and holding the app on the Home screen or **Apps list**, tapping **App info**  to access the app info screen, and then tapping **Permissions**.


Choose default apps

Some actions can be performed with more than one app. When performing an action for the first time, you may be prompted to choose an app. You can choose to use an app only this time by tapping **JUST ONCE**, or tap **ALWAYS** to set that app as the default.

You can change the default app at any time in the Settings menu.



1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Apps**  > **Default apps**.
3. Choose your default web browser, phone app, messages app, and more.

To change the default app for opening links, continue with the steps below:

1. Tap **Apps**  > **Default apps** > **Opening links**.
2. Tap the app you want to set and tap **Open supported links** to allow the listed verified web links to open in this app.

Disable an app






You can disable some default apps which can't be uninstalled to avoid them running in the background and downloading data.










1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Apps**  > **See all apps**.
3. Tap the app you want to disable to access App info screen.
4. Tap **Disable**.











Tip: You can also disable apps by touching and holding the app on the Home screen or in the Apps list, tapping **App info**  to access the App info screen, and tapping **Disable**.



Apps list

The **Apps** list expands to include any apps you download and install on your phone. The following table outlines the primary apps that have been preinstalled on your phone.

App	Function/Service
 Assistant	Use voice assistant to trigger apps and devices, ask all kinds of questions, make plans, and carry out a variety of useful tasks.
 Calculator	Perform basic and advanced mathematical calculations.
 Calendar	Create and manage events, meetings, and appointments, organize your time, and schedule reminders for important events.
 Camera	Take pictures and videos.
 Chrome	Surf the Internet with Google's easy-to-use web browser.



App	Function/Service
 Clock	Set alarms, view time zones around the world, set a timer, use a stopwatch, manage your bedtime, and use your phone as a desk clock.
 Contacts	Manage all of your contacts in one place.
 Drive	Store files on Google servers, synchronize files across devices, and share files with other Google Accounts.
 Facebook	Post updates, see what your friends are up to, upload pictures and check-ins, and more with on-the-go Facebook access.
 Files	Access all of your documents, pictures, videos, and downloads.
 Gmail	Send, receive, and manage your email messages. This app supports email accounts for Gmail, Yahoo!®, Hotmail®, and more.
 Google	Search for information saved on the phone and within phone applications as well as on the Internet.
 Google TV	Buy or rent movies and TV shows, and watch them on your TV, smartphone, tablet, etc.
 Home	Control thousands of compatible lights, cameras, speakers, and more, as well as check your reminders and recent notifications, all from a single app.

App	Function/Service
 Maps	Determine your location, find directions, browse local businesses and attractions, rate and review places, and more.
 Meet	Provides secure, easy-to-use video meetings that work for everyone so that you can connect and collaborate on what matters most.
 Messages	Send and receive text and multimedia messages.
 Phone	Place and receive calls, use voicemail, set up and manage contacts, and more.
 Photos	Manage your photos and back them up to your Google Account.
 Play Store	Download new Android apps, books, movies, and music to your phone.
 Safety	Save and share your emergency information.
 Settings	Adjust options, personalize your phone, view device information, and more.
 Sound Recorder	Record sounds and play them back.
 Wallet	Pay with your Android phone at participating stores and within mobile apps.

App	Function/Service
 YouTube	Watch videos or upload your own with the world's largest video-sharing site.
 YT Music	Stream and browse playlists, albums, and artists from YouTube Music.

Phone number






Follow the instructions below to view your phone number.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **About phone** .
3. You will see the phone number listed under **Phone number**.

Airplane mode

Airplane mode turns off all functions that emit or receive signals while leaving your phone on so you can use apps that don't require a signal or data.

To turn on/off Airplane mode

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Airplane mode**.
3. Slide the switch to the **On**  position to activate Airplane mode. You will see the Airplane mode icon  in the Status bar.
4. To turn off Airplane mode, slide the switch to the **Off**  position to deactivate Airplane mode. Your phone's wireless connection features will be restored.

Tip: You can also access Airplane mode through the Quick Settings menu. Swipe the Status bar down twice to access the Quick Settings menu, swipe to the right to locate **Airplane mode**, and tap it to enable or disable data transmissions.

Enter text

You can type on your phone using one of the available touch screen keyboards or Google Voice Typing.

Touch screen keyboards



Your phone offers Google touch screen keyboards for entering text. The keyboard appears automatically on-screen when you tap a text entry field, and can be used in either portrait or landscape mode.

Note: Keyboard layouts and options may change depending on the app currently in use. For example, if you're entering text into a web search, a **Search** icon may appear instead of an **Enter** icon.

Google keyboard

The Google keyboard offers a traditional QWERTY keyboard setup for entering text by tapping keys (like on a computer), along with options that allow you to enter text faster and more accurately, such as continuous key input, personalized usage dictionaries, and more.

Access Google keyboard settings

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System**  > **Languages & input** > **On-screen keyboard** > **Gboard**.

Google Voice Typing

Google Voice Typing uses Google Voice recognition to convert speech to text. From Messages screen, tap  and speak.

Tips for editing text

Your phone has many options to make entering text easier, including copying, cutting, and pasting text, using voice-to-text input, customizing the user dictionary, using predictive text, and more.

To edit text you have already entered

1. Touch and hold or double-tap the text you would like to edit.
2. Drag the tabs to adjust the highlighted selection.
3. The following options will appear: **Cut**, **Copy**, **Paste** (if you have text copied on the clipboard), **Share**, and **Select all** (if there is more than one word available to select).

To insert new text

1. Touch where you want to type, the cursor and tab will appear. Drag the tab to move the cursor.
2. Tap the tab to view the pop-up menu, then tap **Paste** to insert any text you have previously copied.

Google Account

You will need a Google Account to access several phone features, such as Gmail, Google Maps, Google Meet, and Google Play Store. Enter your Google Account information to access Google apps. These apps sync between your phone and your online Google Account.

Create a Google Account


If you do not already have a Google Account, you can create one online or using your phone.

Note: You can also create and sign into your Google/Gmail account from the Settings menu.

Create a Google Account online

1. Using a computer, visit google.com.
2. On the main page, click **Sign in** > **Create account** > **For my personal use**.
3. Follow the prompts to set up your account:
 - a. Enter your first and last name, a desired username/Gmail address, and create and confirm a password.
 - b. Add a phone number or secondary email for security (optional).
 - c. Enter basic personal information.
4. Tap **I agree** to accept Google's Privacy and Terms and finish your Google Account setup.



Create a Google Account using your phone

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Passwords & accounts**  > **Add account**.


3. Tap **Google** and then tap **Create account > For my personal use**.
4. Follow the prompts to set up your account. Tap **Next** to proceed between steps, which may include:
 - a. Enter your basic information such as first and last name.
 - b. Enter a desired username/Gmail address.
 - c. Create and confirm a password.
 - d. Add a phone number for security or tap **Skip**.
 - e. Review your account info. Tap **Next** to confirm.
5. Tap **I agree** to accept Google's Privacy and Terms and finish your Google Account setup.

Sign in to your Google Account

If you have a Google Account but have not yet signed in with your phone, follow these instructions to sign in to your Google Account.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Passwords & accounts**  > **Add account > Google**.
3. Enter your email address or phone number and tap **Next**.
4. Enter your password and tap **Next**.
5. Follow the on-screen instructions to complete the process.

To sync your account information, follow the below steps:

1. From the Password & account screen, tap your account > **Account sync**.
2. Select the apps you would like to sync with your phone.
3. Tap **Menu**  > **Sync now**.

Important: Sonim policies often do not apply to third-party applications. Third-party applications may access your personal information or require us to disclose your customer information to the third-party application provider. To find out how a third-party application will collect, access, use, or disclose your personal information, check the application provider's policies, which can usually be found on their website. If you aren't comfortable with the third-party application's policies, do not use the application.

Lock and unlock your screen

You can quickly turn your phone screen off when not in use, and unlock it when you need it.

Turn the screen off when not in use

To quickly turn the screen off, press the **Power/Lock** key.

Pressing the **Power/Lock** key again or receiving an incoming call will turn on your phone screen and display the lock screen.

To save battery power, your phone screen will automatically turn off after being idle for a period of time. You will still be able to receive messages and calls while the phone's screen is off.

Turn the screen on and unlock it

1. To turn the screen on, press the **Power/Lock** key.
2. Swipe up from the bottom of the screen to unlock it.

If you have set up a screen lock, you will be prompted to unlock your phone. See ["Screen lock" on page 134](#) for details.

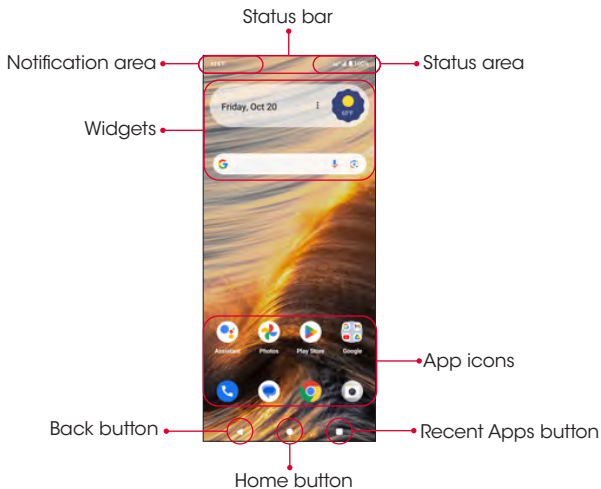
The following topics describe how to use and customize your phone's home screen, understand the Status bar, and use the Notification panel.




Home screen basics

The Home screen is the starting point for your phone's applications, functions, and menus. You can customize your Home screen by adding application icons, shortcuts, folders, widgets, and more.

Home screen layout


Your Home screen extends beyond the initial screen. Swipe right to display additional screens.



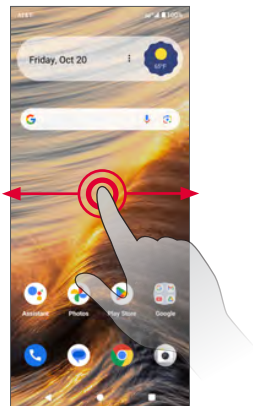
Item	Description
Status bar	Icons indicate your phone's status (on the right side) and notifications (on the left side).
Notification area	View notifications for incoming messages, missed calls, application updates, and more. Drag the Status bar down to display the Notification panel.
Status area	View phone and service status information such as signal strength, battery status, Wi-Fi and data connectivity, and ringer status.
Widgets	Add customizable quick access to app functions on your phone's Home screen.
App icons	Add shortcuts to your favorite apps to the home screen.
Back button 	Tap to return to the previous screen.
Home button 	Tap to display the main Home screen.
Recent Apps button 	<ul style="list-style-type: none"> • Tap to display a list of recently used apps. • Double-tap to swap between your last two used apps.

Extended home screens

In addition to the main Home screen, your phone features extended Home screens to provide more space for adding icons, widgets, and more.

Press the **Home** button  to display the main Home screen, then swipe to the left or right to move from the main screen to an extended screen.

Tip: While on an extended screen, press the **Home** button  to return to the main Home screen.











Status bar and Notification panel








Quickly view your phone's status and notifications at the top of the screen.

Status bar





The Status bar at the top of the Home screen provides phone and service status information on the right side and notification alerts on the left. To view the Notification panel or access the Quick Settings menu, drag the Status bar down from the top of the screen.










Main status icons (Right side)

Icon	Status
	5G data service
	Airplane mode enabled
	Battery (charging)
	Battery (full charge)
	Bluetooth® connected
	GPS in use
	Headphones
	Hotspot

Icon	Status
	Mute on
	Network (full signal)
	No Network
	Mobile data unavailable
	Speakerphone enabled
	Wi-Fi® enabled
	Wi-Fi® Calling enabled

Main notification icons (Left side)

Icon	Notification
	Alarm
	Download
	Event
	Keyboard active

Icon	Notification
	Missed call
	New Gmail
	New text or MMS message
	New voicemail
	Software update available
	Warning
	Wi-Fi® Calling
	Wi-Fi network available
	Video call

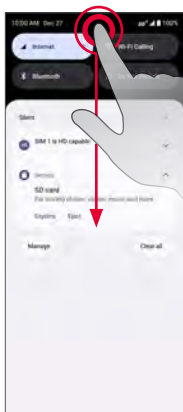
Note: Additional notification icons may appear. All notifications may be accessed through the Notification panel.

Notification panel

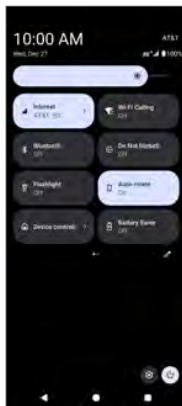
1. Swipe down on the Status bar to open the Notification panel.
2. To check notifications, tap an item in the list.
3. Swipe left or right on a notification to delete it, or tap **Clear all** to clear all event-based notifications (other ongoing notifications will remain).
4. To close notification panel, swipe up or tap the **Back** button ◀.

Quick Settings panel

1. Swipe down on the Status bar again from the Notification panel.
2. Tap a setting to turn it on or off.



Notification panel



Quick settings panel

Customize the Home screen

Learn how to set the wallpaper and add, move, or remove shortcuts, widgets, and folders from the Home screen.

Operations for rearranging the Home screen

- To move widgets and app shortcuts icons, touch and hold an app or widget on the Home screen and drag it to the desired location.
- To delete widgets and app shortcuts icons, touch and hold an app or widget on the Home screen, and drag it to **✕ Remove** at the top of the screen to delete from the Home screen.

Add shortcuts to the Home screen

Add shortcuts for quick access to favorite apps from the Home screen.

1. From the Home screen, swipe up to access **Apps**.
2. Touch and hold an app icon, then drag to move it.
3. Drag the icon to an empty location on one of the Home screens. The shortcut will be added to the Home screen.


Add widgets to the Home screen

Widgets are self-contained apps on the Home screen. Unlike a shortcut, which will open an app, widgets can perform certain functions without navigating away from the Home screen. You can create widgets for a specific contact, for bookmarks to web pages, your calendar, email, and more.

1. From the Home screen, touch and hold an empty space, and then tap **Widgets** in the Home screen menu.
2. Touch and hold a widget, then drag it to an empty location on one of the Home screens. The widget will be added to the Home screen.

Add App folders to the Home screen

You can group Home screen shortcuts into folders for convenient access.

1. Drag an app icon and release it over another app icon on the Home screen to create a folder.
2. Type a name for the folder, and then tap .
3. To add more app shortcuts to the folder, touch and hold an app icon and drag it on top of the new folder.

Change folder names

Once you have added folders, you can change the name easily from the folder display.

1. Tap the folder to open it.
2. Tap the folder name, type a new name, and then tap .

Remove folder



Touch and hold a folder and drag it to **Remove** at the top of the screen.

Remove apps from a folder

1. Tap a folder to open it.
2. Touch and hold an app in the folder and drag it to the Home screen or to **Remove** at the top of the screen.

Change the wallpaper

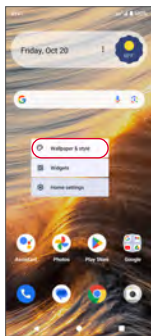
1. From the Home screen, touch and hold an empty space, then tap **Wallpapers & style** on the Home screen menu.

Tip: You can also access the Wallpapers menu from the Settings menu. From the Home screen, swipe up to access **Apps** and tap **Settings**  > **Wallpaper** .

2. Tap **Change wallpaper**, select the wallpaper from your photos or standard wallpapers folders.
3. Tap **Set wallpaper** at the top of the screen and choose to set the wallpaper on the Home screen, Lock screen, or both.

Change the color theme

1. From the Home screen, touch and hold an empty space, then tap **Wallpapers & style** on the Home screen menu.
2. Choose desired color theme.
 - Tap **Wallpaper colors** tab and select the desired color combination which comes from the set home screen and lock screen wallpapers.
 - Tap **Basic colors** tab and select the desired basic color.









Making connections

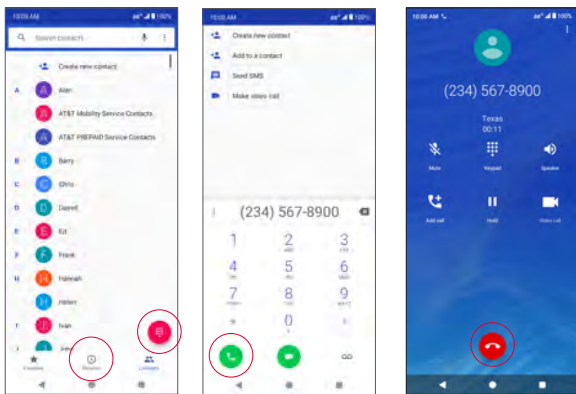
The topics in this section will explain how to help you make connections, from phone calls and maintaining contacts, to text messages, email, Internet, and international services.

Phone

Make a call





From the Home screen, tap Phone .

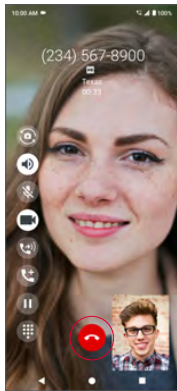
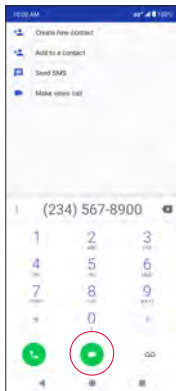
- If the keypad does not appear on the screen, tap  to open it.
- Enter a phone number in the keypad to make a call. Tap  to make a call.
- To view recent calls, tap the **Recents**  tab.
- During a call, you can tap  at the bottom of the screen to hang up.





- Calls can also be made from other apps that contain your contact information. Simply tap the phone number to make a call.

Make a Video Call





1. From the Home screen, tap **Phone** .
2. If the keypad does not appear on the screen, tap  to open it.
3. Enter a phone number in the keypad to make a call.
4. Tap  to make the Video Call.
5. During a call, you can tap  at the bottom of the screen to hang up.

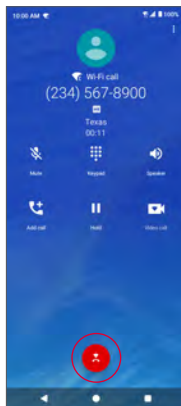
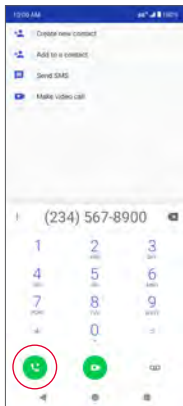


Note: You and the recipient must have a service plan that supports Video Call to send and receive Video Calls.

If the Video Call feature is turned off, you can go to call settings to enable it. From the calls screen, tap **Menu**  > **Settings** > **Calls** > **Video Call** and slide the switch to the **On**  position to enable it.

Make a call with Wi-Fi Calling

1. From the Home screen, tap **Phone** .
2. If the keypad does not appear on the screen, tap  to open it. Enter a phone number in the keypad to make a call.
3. Tap  to make the call.
4. During a call, you can tap  at the bottom of the screen to hang up.

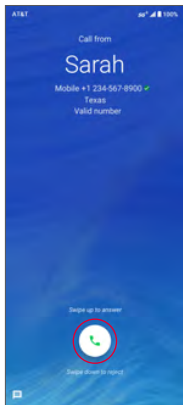





Note: You must have an active Wi-Fi connection and have Wi-Fi Calling service activated on the device before it can be used. To turn on Wi-Fi Calling, you will need to set up an emergency address to help emergency services find you if you make an emergency call (911).

For more information, see [*"Wi-Fi Calling" on page 104.*](#)

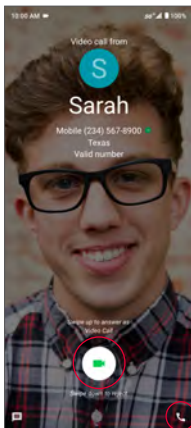
Receive a call




The Incoming Call screen is displayed when a call is received, along with the caller's number and other information you've entered for that contact. When you receive a phone call from someone who is not stored in Contacts, only the default caller ID icon and phone number appear on the Incoming Call screen.




- To answer a call, swipe  up.
- To reject a call, swipe  down.
- Press any side key to mute the ringer.
- Any missed calls are logged in **Recents** .

Receive a Video Call




- To answer a Video Call, swipe  up.
- To reject a Video Call, swipe  down.
- Press any side key to mute the ringer.
- Any missed Video Calls are logged in Call History .

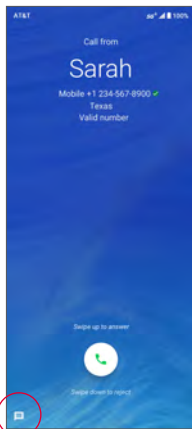
You can also accept an incoming Video Call as a voice call.

- To answer as a voice call, swipe  up from the bottom right corner of the screen.


Reject a call and send a text message

You can reject an incoming call and automatically send a quick response text message to the caller.

1. When a call arrives, swipe  up from the bottom left corner of the screen. The ringtone or vibration will stop, and you will see a list of quick preset responses.



Tap one of the messages or write your own to send to the caller.

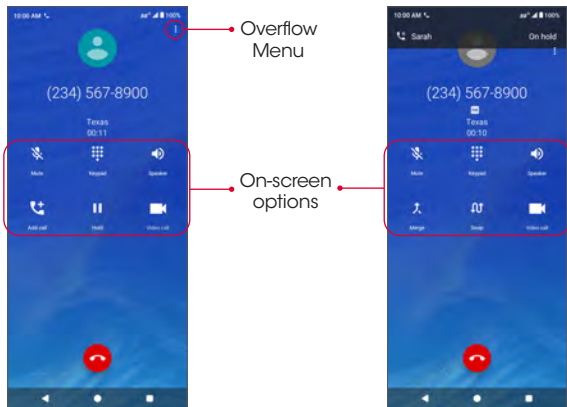
You can edit the preset quick responses from the Call Settings menu. From the Phone app, tap **Menu**  > **Settings** > **Quick responses** and edit the quick responses.

In-call screen layout and operations


While you're on a call, you will see a number of on-screen options.










In-call screen layout

Tap the on-screen options to activate them during a call.



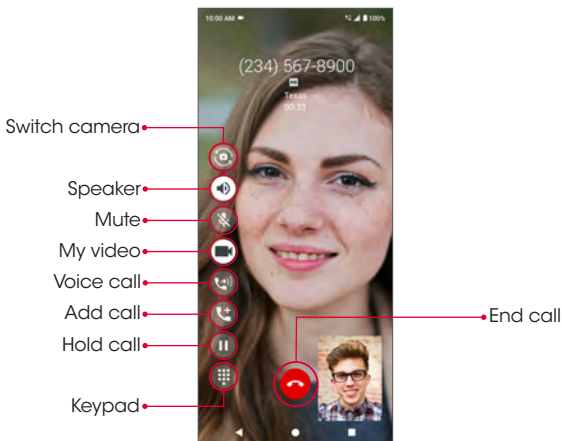
On-screen options




Item	Description
 Overflow Menu	Tap and select Switch to RTT to send the caller a Real-time text during a call.

	Speaker	Tap to turn the speakerphone on or off. Warning: Because of higher volume levels, do not place the phone near your ear during speakerphone use.
	Mute	Mute the microphone during an active call. Tap again to unmute the microphone.
	Keypad	Tap to show the on-screen keypad. Use the keypad to enter additional numbers, for example, an extension or access code.
	Hold	Tap to hold the current call.
	Add call	Tap to initiate a 3-way conference call.
	Video call	Tap to switch to video call.
	End call	End the current call.
	Merge	Join two currently active calls (conference).
	Swap	Swap the calls.

In-call Video Call screen layout



Tap the on-screen options to activate them during a call.

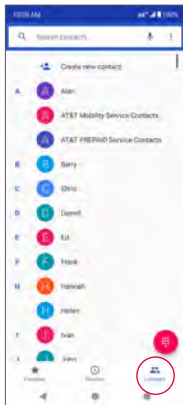



	Item	Description
	Camera switch	Tap to switch between front camera and rear camera.
	My video	Tap to turn your video on or off.
	Voice call	Tap to switch from Video Call to voice call.

Place a call from Contacts

You can place phone calls directly from your Contacts list.




1. From the Home screen, tap **Phone** .
2. Tap **Contacts**  to display the Contacts list.



3. Tap a contact.
4. Tap a contact's number to call to place a call.
5. To end the call, tap .

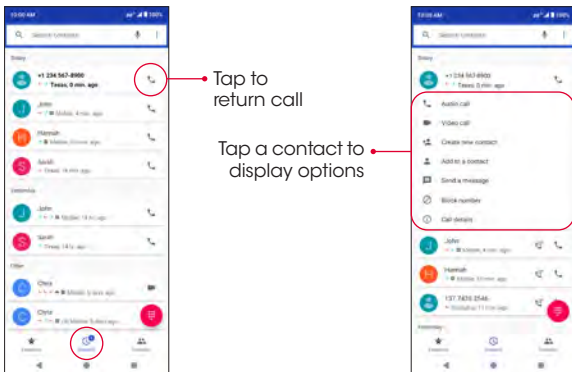
Call from Recents

The Recents list allows you to view recently received, placed, or missed calls.

1. From the Home screen, tap **Phone** .
2. Tap **Recents**  to display the Call Log.
3. Tap  to place a call.

You can tap a contact in the Call Log to display more options.



- **Audio call/Video call:** Make a audio or video call.
- **Create new contact:** Create a new contact from an unknown number.
- **Add to a contact:** Add an unknown number to an existing contact.
- **Send a message:** Send a text message to the contact/number.
- **Block number:** Block the contact/number.
- **Call details:** View detailed call information.



Call settings

Configure your voicemail options and a number of other settings for your calls.

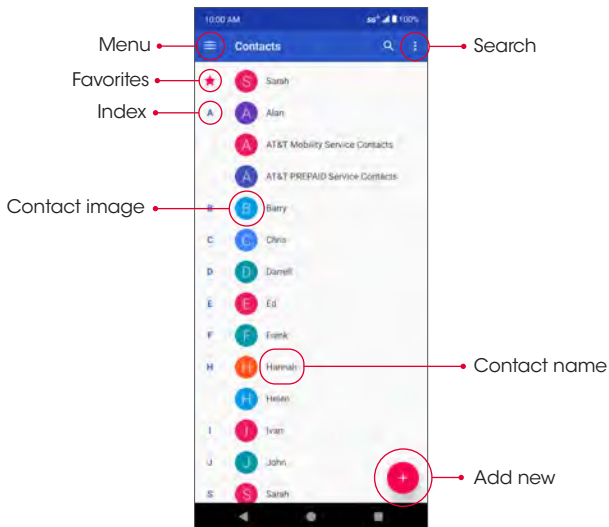
Call settings options

1. From the Home screen, tap **Phone** .
2. Tap **Menu**  > **Settings**.
3. Configure your phone settings.

Setting	Description
Display options	Choose how to sort and display your contacts.
Sounds and vibration	Adjust call and ringtone volume, change your alert tones, activate Do Not Disturb, and more.
Quick responses	Edit or create quick response text messages. See "Reject a call and send a text message" on page 55 for more information.
Speed dial settings	Set up speed dial numbers.
Calls	Set call forwarding or call barring, enable or disable Wi-Fi Calling or Video Call, and more.
Blocked numbers	Manage numbers and contacts you have blocked.
Voicemail	Set up voicemail, manage notifications, and more.
Accessibility	Configure RTT settings, enable or disable hearing aid compatibility, and enable or disable noise reduction.
About	View more information about your phone.

Contacts


From the Home screen, swipe up to access **Apps** and tap **Contacts** .



Item	Description
Add new	Add a new contact.
Search	Search contacts.
Contact	Tap to show a contact's details, place a call, send a message, and more.
Favorites	Add a contact as a favorite. You can view your favorite contacts in the Phone app.
Index	Browse contacts alphabetically.
Menu	View your contacts by labels or accounts, and adjust settings.

Add a contact

You can add contacts from the Contacts app. Enter details such as name, phone numbers, email addresses, mailing addresses, and more.

1. From the Contacts screen, tap  to add a contact.
2. If you have multiple accounts on your phone, select where you want to save the contact.
 - Select **Phone contact** to save your contact on your phone only; they will not be synced with your Google Account.
 - Select an account, such as Google, to save the contact to that account. These will be synced automatically with your account.
 - Select your SIM card name to save the contact to your SIM card. Your contact will be available on any phone your SIM card is mounted in.



3. Use the keyboard to enter information.

Note: To select a type (label) for a phone number, email address or postal address (such as Mobile, Home, Work, etc.), tap the arrow and select the appropriate type.

4. When you are finished, tap **SAVE**.

Save a phone number

You can save a phone number to Contacts directly from the phone keypad.


1. From the Home screen, tap **Phone**  > **Keypad** .
2. Enter a phone number and tap **Create new contact** to add a new contact or tap **Add to a contact** to add the number to an existing contact.
3. To add the number to an existing contact, tap the contact you want to update and add the number to the desired field. To add a new contact, enter the name and any additional information.
4. Tap **SAVE**.

View contacts

From the Contacts screen, tap a contact to view the details.

Edit a contact


Add or edit a contact's information, assign a photo, customize with a unique ringtone, and more.

1. From the Contacts screen, tap the contact you want to edit.
2. Tap **Edit** .
3. Tap the field you want to change or add.

4. Add or edit the information, and then tap **SAVE**.


Delete a contact

You can delete a contact from the contact's details page.

1. From the Contacts screen, tap the contact you want to delete.
2. Tap **Menu**  > **Delete**.
3. Tap **DELETE**.

Share a contact

You can quickly share contacts using Bluetooth, Gmail, or text messages.

1. From the Contacts screen, tap the contact you want to share.
2. Tap **Menu**  > **Share**.
3. Select how you'd like to share the contact information card (vCard).

Messages

Send instant messages, media, and more with text and multimedia messages.


From the Home screen, tap **Messages** .

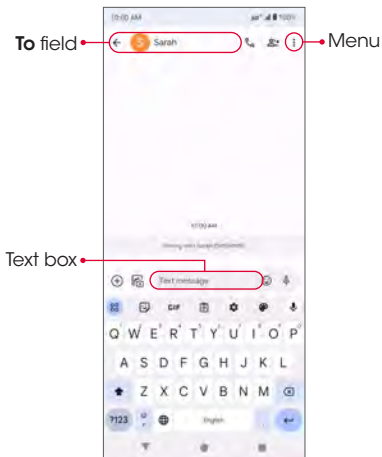
Text and multimedia messages

- With text messages (SMS), you can send and receive instant text messages.
- Multimedia messages (MMS) can contain text, photos, audio and video files, contact information cards (vCard), and more.

Note: See your service plan for applicable charges for messages.

Send a text message (SMS)

1. From the Messages screen, tap .
2. Enter a contact name or mobile number in the **To** field.
 - Enter phone numbers, contact names, or email addresses directly in the **To** field. If you're sending the message to several contacts, separate the phone numbers with a comma. As you enter information, any matching phone numbers from your contacts list are displayed. Tap the matching contact to add them as a recipient.
 - Scroll to find and select the contacts to whom you want to send the message. You can also create contact groups as recipients.
3. Tap the text box and compose your message.





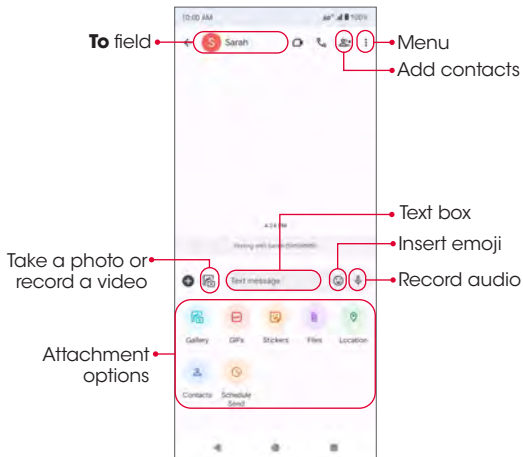
Note: Messages exceeding a limited amount of characters will be delivered as one message but may incur additional charges. A counter appears above **Send** ► to tell you how many characters you have entered and how many characters are left.

4. When done, tap **Send** ► to send the text message.


Note: Your text message automatically becomes a multimedia message if you enter an email address as the recipient, attach an item, or compose a very long message.

Send a multimedia message (MMS)










1. From the Messages screen, tap .
2. Fill in one or more recipients.
3. Tap the text box to compose your message.
4. Tap **Add**  to the left side of the text box to attach files.



Note: Attachment options may vary.

5. After adding an attachment, you can tap to view it, and tap  to delete the attachment.

Attachment options

Icon	Description
	Insert emoji.
	Take a photo or record a video to send, or select a saved photo or video files from Photos to send.
	
	Add GIFs.
	Add stickers.
	Select one or more files from Files to send.
	Share your location.
	Share vCards.
	Schedule your message for another time. Tap it to choose the time you want to send the message. You can choose from among several preset times or tap Pick date and time and choose the exact time you like.



6. Tap **Send**  to send the MMS message.

RCS chat features

With RCS chat features, you can send and receive messages over Wi-Fi or your data network, see when friends are typing or when they have read your message, share images and videos in high quality, and more.

Note: To use RCS chat features, you and the recipients must have a service plan that supports RCS and have RCS capable devices with chat features turned on.

To enable RCS chat features on your phone, follow the steps below:

1. From the Messages screen, tap **Menu**  > **Messages Settings** > **RCS chats**.
2. Slide the **Turn on RCS chats** switch to the **On**  position to enable it.

Messages settings

From the Messages screen, tap **Menu**  > **Messages Settings**.

RCS chats

- **Turn on RCS chats:** Slide the switch to enable or disable RCS chat features.
- **Send read receipts:** Let others to know when you have read their message.
- **Show typing indicators:** Show your typing status to others.
- **Automatically resend as text (SMS/MMS):** Switch from chat if a message can't send.
- **Auto-download files you receive over mobile data:** Choose the maximum file size that can be automatically downloaded.
- **Auto-download files while roaming:** Download files automatically while roaming. Charges may apply.
- **Learn more about chat features:** Get more information about RCS chat features.

Notifications

Enable or disable notification icons when messages are received.

Bubbles

Enable or disable message bubbles.

Send photos faster

Reduce photos' resolution for faster sending.

Hear outgoing message sounds

Enable or disable sounds when sending messages.

Your current country

Display your current country.

Automatic previews

Enable or disable automatic preview cards for links, places, and other content that the Messages app is able to recognize over time.

Spam protection

Enable or disable spam detection function and report to Google.

Swipe actions

Choose Archive or Delete, to the right or left, or turn off swiping.

Advanced

- **Group messaging:** Enable or disable the ability to send MMS messages to multiple recipients in a group.
- **Auto-download MMS:** Enable or disable the ability to automatically retrieve

and download incoming MMS messages.

- **Auto-download MMS when roaming:** Enable or disable automatically retrieving and downloading incoming MMS messages when roaming.
- **Use simple characters:** Convert the text's special characters into a simple message.
- **Get SMS delivery reports:** Enable or disable SMS delivery reports.
- **Wireless emergency alerts:** View alert messages you've received.
- **SIM card messages:** View messages saved on your SIM card.
- **Phone number:** View your phone number.
- **SMSC:** View SMSC number.

About, terms & privacy

View more information about Message's current version, privacy policy, and terms of service.

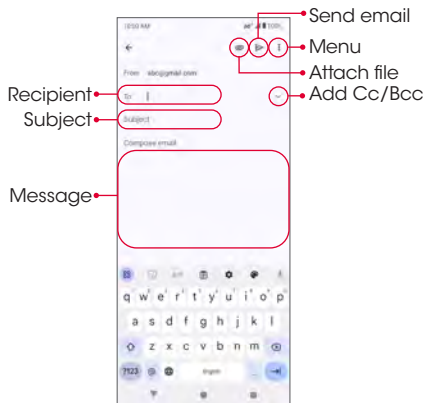
Gmail

Use Gmail to send, receive, and manage your email messages. Before using Gmail, you must sign into your Google Account on your phone. See ["Google Account" on page 36](#) for details on signing in or creating an account.


Note: You can use the Gmail app to manage email for other accounts, such as Yahoo!, Hotmail, Outlook, and more.

Create and send an email message






1. From the Home Screen, open the Google folder, tap **Gmail** .



2. From the inbox, tap  **Compose** to compose a new email message.


3. Enter the message recipient(s), subject, and message, and then tap **Send** .

Email composition options

- **Add Cc/Bcc recipients:** In the mail composition window, tap  in the **To** bar to add Cc/Bcc recipients.
- **Attach photos or videos:** In the mail composition window, tap  > **Attach file**. Tap the file you want to attach.
- **Save as a draft (Send later):** While composing your message, tap **Menu**  > **Save draft** or press the **Back** button  to save as a draft.
- **Delete mail being composed:** While composing your message, tap **Menu**  > **Discard**.

Note: View your drafts and sent mail from the inbox by tapping  > **Drafts** or **Sent**.

Open an email message from a notification


When a new email is received, you will see  in the Status bar.

1. Swipe the Status bar down to display the Notification panel.
2. Tap the new message from the Notification panel.

If you have two or more new email messages, tapping the notification will open the Gmail app.

Email settings

You can access settings for the Gmail app and for your individual email accounts from the Gmail Settings menu.

1. From the Gmail screen, tap **Menu**  > **Settings**.
2. Tap **General settings** to access settings for all accounts, or tap an account name to configure settings for a specific email account.

Internet and social networking

The following topics describe how to connect to and use the Internet on your phone and how to access popular social networking sites such as Facebook, Meet, and more.


Chrome browser

From the Home screen, tap **Chrome**  to browse the Internet, search for information, and bookmark your favorite web pages for convenient access.


Browsing web pages

1. Tap the address field.
2. Enter a web address or a keyword to browse for web pages.


Adding a bookmark

1. Open the web page you want to bookmark.
2. Tap **Menu**  > .

Opening a bookmark

1. From the Chrome browser screen, tap **Menu**  > **Bookmarks**.
2. Select the website you want to view.

Customizing browser settings


1. From the Chrome browser screen, tap **Menu**  > **Settings**.
2. In the Settings list, you can select options to customize the browser.

Tip: For more information, visit: google.com/intl/en/chrome/browser/mobile/.

Facebook


Post updates, see what your friends are up to, upload pictures and check-ins, and more with on-the-go Facebook access.

Sign in to your Facebook account or create a new account

1. From the Home screen, swipe up to access **Apps** and tap **Facebook** .
2. Enter your mobile number or email and password and tap **Log in**, or tap **Create new account** to join Facebook.
3. Once completed, your Facebook account will be added to your phone.

Use Facebook

Once you've either created an account or signed in, you can post and view updates, upload pictures, tag locations, and more, all from your phone.

1. From the Home screen, swipe up to access **Apps** and tap **Facebook** .
2. Tap **What's on your mind?** to type an update. You can also share photos and videos, start a live video, scroll through your Facebook feed, and more.

Connectivity

The following topics address your phone's connectivity options, including USB file transfer, Wi-Fi, Bluetooth, and more.

Transfer files between your phone and a computer

Tips: If you want to save data to an SD card on your phone, make sure the SD card is installed and active.





Important: Avoid removing the SD card while transferring data.


1. Connect your phone to your computer using the USB charging cable.
 - Insert the end of the cable to the charger/accessory jack at the bottom of the phone.
 - Insert the USB end of the cable into an available USB port on your computer. You may need to remove the USB cable from the AC adapter to access it.
2. Drag the Status bar down to display the Notification panel, and tap **Charging this device via USB** to access USB Preferences screen.
 - You can also access USB Preferences screen via Settings menu (**Settings** > **Connected devices** > **USB**)
3. Tap **File Transfer**. You can also select other options available.
4. On your computer, navigate to the detected device (such as through the My Computer menu) and open it.
5. If available, select a drive (**Internal shared storage** or **SD card**).
6. Select a folder and copy files from your computer to your phone or from your phone to your computer.
7. When done, disconnect your phone from your computer.

Wi-Fi

Wi-Fi provides wireless Internet access over distances of up to 300 feet. To use your phone's Wi-Fi, you need access to a wireless access point or hotspot.

Turn Wi-Fi on and connect to a wireless network

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Internet**.
3. Slide the Wi-Fi switch to the **On**  position to enable Wi-Fi.
 - To disable Wi-Fi, slide the Wi-Fi switch to the **Off**  position.
4. Tap a Wi-Fi network to connect, enter the password (if applicable), and then tap **Connect**.

Your phone will be connected to the Wi-Fi network. You will see  in the status bar. For more information on Wi-Fi, see ["Internet" on page 102](#).

Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, Bluetooth-enabled handhelds, computers, printers, and wireless phones. The communication range for Bluetooth is approximately 30 feet.

There are different options and functions available with certain Bluetooth accessories.

- **Audio output:** Wirelessly listen to music, podcasts, etc.
- **Hands-free calls:** Call hands-free, using Bluetooth-capable hands-free devices and headsets.
- **Data exchange:** Exchange data with Bluetooth devices.

Enable Bluetooth

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Connection preferences** > **Bluetooth**.
3. Slide the switch to the **On**  position to enable Bluetooth.
 - You can also enable it from Quick Settings panel. Swipe the Status bar down twice to access the Quick Settings panel and tap **Bluetooth**.

Tip: Turn off Bluetooth when not in use to conserve battery power.

Pair Bluetooth devices

1. From the Bluetooth screen, tap **Pair new device**.
2. Tap a device under **Available devices** and follow the on-screen instructions to pair with the device.
 - Make sure the device you want to connect with is discoverable via Bluetooth.

Connect to a paired Bluetooth device

From the **Connected devices** screen, tap a paired device to connect.

When the device is connected to your phone, you can then use the headset or car kit to listen to music or make and receive phone calls.

You can also use Bluetooth to transfer files between your phone and another Bluetooth-enabled device, such as a phone or computer. Send photos, videos, calendar events, contacts, and more.

For more information on Bluetooth, see [*"Bluetooth" on page 111*](#).



Apps and entertainment

The topics in this section will explore the features that make your phone so much more than a phone, from the camera and productivity apps to music, entertainment, and more.

Camera

You can use the camera or video camera to take and share photos and videos.




Camera cautions

If the lens is dirty: Fingerprints and smudges on the camera lens may result in blurry photos or videos. If this happens, wipe the lens with a soft, dry cloth.

Avoid exposure to direct sunlight: Do not expose the lens to direct sunlight for long periods, as this can affect the color filter and distort the color of photos and videos.

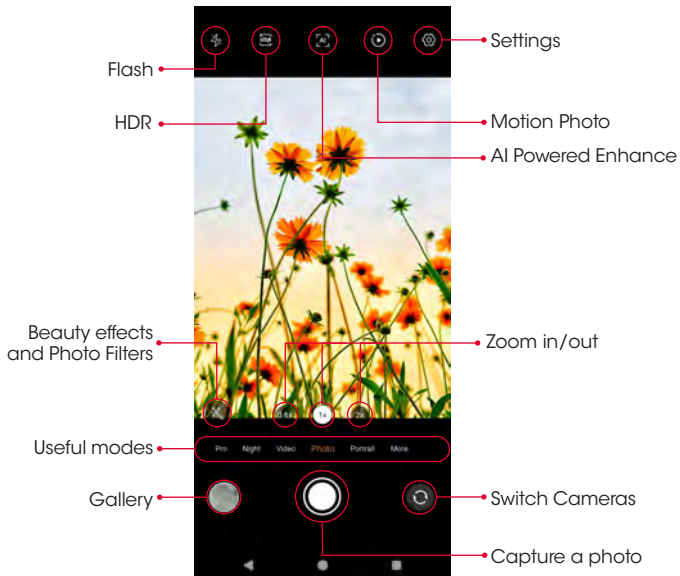
From the Home screen, tap **Camera** . You can also access the Camera with one of the following methods:

- From the Home screen, swipe up to access **Apps** and tap **Camera** .
- Press the **Power/Lock** key twice quickly.
- From the Lock screen, swipe up from the bottom right corner of the screen.











Note: If you have an SD card installed, set up, and formatted, photos and videos will automatically be saved to the SD card. If no card is installed, photos and videos will be saved to your phone's memory.

Camera overview

The camera's viewfinder screen lets you view your subject and access camera controls and options.



On-screen icons


Icons		Function/Service
	Settings	Select camera modes and settings options.
	Flash	Activate or deactivate the camera flash.
	HDR	Activate or deactivate High Dynamic Range enhance mode for clearer, more vivid photos.
	AI Powered Enhance	Automatically detect various scenes and adapt the proper settings or parameters.
	Motion Photo	Activate or deactivate the motion photo feature.
	Beauty effects	Drag the slider to blur imperfections for flawless selfies.
	Photo filters	Choose from a variety of photo color filters.
	Zoom in/out	Select 0.6, 1, or 2 to zoom in or out.
	Gallery	View the last photo or video taken.
	Capture	Capture a photo.
	Switch cameras	Switch between the front and back cameras.

Useful modes






Modes	Function/Service
Pro	Manually adjust settings such as shutter speed, ISO, white balance, focus, etc. for professional quality photos.
Night	Optimize photos in low-light conditions.
Video	Record videos and access video settings.
Photo	Capture photos and access camera settings.
Portrait	Blur the background around the subject for a professional look.
More	<ul style="list-style-type: none">• Panorama: Capture more of the scene by combining images to create a panoramic photo.• AR Sticker: Create an emoji of yourself or add animations, frames, and stickers using augmented reality.• Watermark: Add watermark to your photos.• Time lapse: Record videos over a long period of time than speed it up for a fast action moment.• QR code: Scan QR codes from the preview screen and display the relevant information.• Macro: Capture vivid details of the world around you.

Note: Camera options vary based on mode, camera in use, etc.

Take a photo


From the Camera screen, aim the camera at your subject and tap  or press the **Volume** key to take the photo.

Record a video

1. From the Camera screen, tap **Video** to switch to Video mode.
2. Aim the camera at your subject and tap  or press the **Volume** key to start recording a video.
3. Tap  to hold the recording and tap  to resume. Tap  to stop recording and save your video. To take a picture during the recording, tap .

Scan a QR Code

Your phone's rear camera has a build-in QR code reader that will automatically scan codes for restaurant menus, calendar events, Wi-Fi networks, etc.

1. From the Home screen, tap **Camera** .
2. Tap **More** to open remaining modes list, and select **QR code**.
3. Aim your camera at the QR code you want to scan.
4. Your phone will recognize the code and display the relevant information. Usually a notification will appear at the top of the screen, then tap it to trigger the code's action.


Camera settings

You can adjust your camera's settings using the icons on the main camera screen and the full camera settings menu.

From the Camera screen, tap **Settings**  on the top right corner of the Camera screen.

Setting	Function/Service
Picture size	Adjust photo size and ratio.
Shutter sound	Activate or deactivate the shutter sound when taking a photo.
Geotagging	Add location information to your photo.
Volume key functions	Select functions for volume key.
Self-timer	Set a countdown timer.
Touch Shot	Enable or disable the ability to capture photos by tapping on the camera screen.
Face detection	Enable or disable the ability to identify human faces in an image or video.
Grid	Show grid lines to help take professionally-composed photos.
Smile capture	Automatically shoots an image when it detects a smiling face
Anti-flicker	Enable or disable anti-flicker function, or set anti-flicker frequencies.
Restore default settings	Reset to default camera settings.

Photos

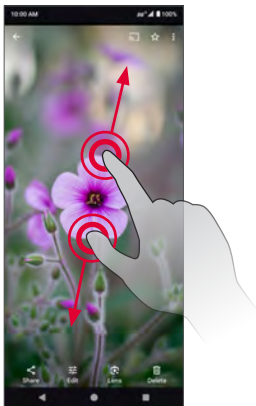
Using the **Photos**  app, you can view photos and watch videos that you've taken, downloaded, or copied onto your storage card or phone memory. For pictures that are on your storage card or phone memory, you can do basic editing such as rotating and cropping. You can easily assign contact photos or wallpapers and share photos with your friends.

From the Home screen, tap **Photos** .

You can tap an image or video to view.


Zoom in or out on a photo or video

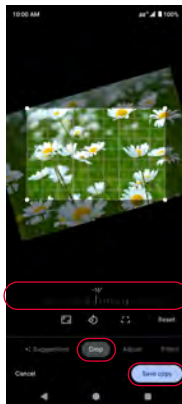
Tap the screen twice or pinch the screen to zoom in or out on a photo or video.




Edit photos

Rotate and save a photo

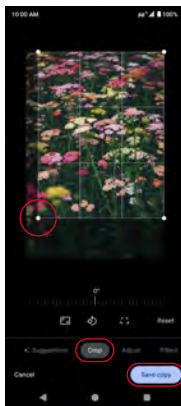
1. From the Photos screen, tap the photo you want to rotate.
2. Tap **Edit**  to access the Edit screen.
3. Tap **Crop** and adjust the slider to rotate the photo.
4. Tap **Save copy** to save a copy of your photo.




Crop a picture

1. From the Photos screen, tap the photo you want to crop.
2. Tap **Edit**  to access the Edit screen.
3. Tap **Crop**. A crop box appears on the photo.
4. To adjust the crop box size, drag the corners inward or outward to resize the crop box.
5. Tap **Save copy** to apply the changes to the photo and save.

The cropped photo is saved in the album as a copy. The original photo will remain unedited.




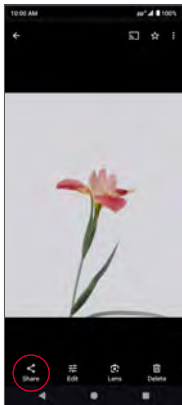
Share pictures and videos

The **Photos**  app allows you to send photos and videos using email or MMS messages. You can share photos and videos on your social networks, or send them to another phone or your computer via Bluetooth.

1. From the Photos screen, tap the photos or videos you want to share.

Tip: To select multiple items, touch and hold an image to turn on Multi-select mode. Tap to select the items you want to share.


2. Tap **Share** , then select to share using Bluetooth, Gmail, Meet, Messages, and more. Follow the on-screen prompts to send the photo or video.



Productivity



Use your phone to stay productive and organized with calendar, navigation, alarm, office, and more productivity apps.

Calendar


Use the **Calendar**  to create and manage events, meetings, and appointments. Your Calendar helps organize your time and reminds you of important events.

In order to sync with your Google calendar, you must sign in to a Google Account on your phone. See ["Google Account" on page 36](#) for more information on signing in or creating a Google Account.

Calendar view

1. From the Home screen, swipe up to access **Apps** and tap **Calendar** .
2. Tap **Menu** .
3. Select from one of the following calendar views:
 - **Schedule:** Display all events.
 - **Day:** Display today's schedule by hour. Slide the screen to the left and right to display the previous and the next day, respectively.
 - **3 days:** Display the previous day, today, and the next day. Slide the screen to the left and right to view the previous and next three days.
 - **Week:** Display the current week. Slide the screen to the left and right to view the previous and next week, respectively.
 - **Month:** Display the current month. Slide the screen to the left and right to view the previous and next month, respectively.


Add an event

1. From the Calendar screen, tap **Add**  > **Event** to add an event.
2. Set the event details, such as title, time, location, people to join in, notification, and more.
3. When finished, tap **Save**.


View calendar events

From the Calendar screen, tap a date and an event to view the details.

Edit an event

1. From the Calendar screen, tap a date and an event to view the details.
2. Tap **Edit**  to edit the event.
3. When you are done editing, tap **Save**.

Delete an event

1. From the Calendar screen, tap a date and an event to view the details.
2. Tap **Options**  > **Delete** to delete the event.

Calendar settings

1. From the Calendar screen, tap **Menu**  > **Settings** > **General**.
2. Tap an option to adjust Calendar settings.

Google Maps


Use the Google Maps app to determine your location, get directions, browse local businesses and attractions, rate and review places, and more.

Enable location services on your phone




Before using Google Maps, you must enable your phone's location feature. For information about setting your phone's location options, see ["Location" on page 140](#).

Search for destinations

Use Google Maps to locate and map a specific address or destination.




1. From the Home screen, swipe up to access **Apps** and tap **Maps** . If prompted, follow the on-screen instructions to accept terms of use.
2. Tap **Search here**.
3. Enter an address, city, facility name, etc., then choose a search result. You will see your location on the map.

Google Maps operations

- **View current location:** Tap  to find your current location on the map.
- **Explore nearby venue categories:** Browse nearby venues by selecting a category such as restaurants, parks, hotels, and more.
- **Select map types for different views:** Tap **Map Type**  and choose your map view, or select to view map details such as traffic, street view, etc.
- **Find a route to your destination:** Tap **GO** , enter your desired start location and destination, and tap a method of transportation (car, public transit, or on foot) for a list of step-by-step directions to your destination.

Google Search


Search for information saved on the phone, in apps, and on the Internet.

1. From the Home screen, tap the Google Search widget.
 - You can also access Google Search by swiping up on the Home screen to access **Apps** and tapping **Google** .
2. Type your search keywords and tap **Search** .
3. To search by voice, tap **Google Voice Search**  in the search bar and say your search terms. Search results will appear.






Tip: To quickly access Google Voice Search from any screen, press and hold **Home** .

Calculator

Your phone's convenient built-in calculator lets you perform basic and advanced mathematical equations.

1. From the Home screen, swipe up to access **Apps** and tap **Calculator** .
2. Enter the first number.
3. Tap a mathematical function key, then enter the second number.
4. Tap **=** to view the result. Tap **AC** to clear the results.

View calculator history



1. From the Calculator screen, tap **Menu**  > **History**, or drag down on the **History**  bar to view the calculator history.
2. To clear the calculator history, tap **Menu**  > **Clear**.
3. To return to the calculator, drag the **History**  bar back up or tap the **Back** button .

Clock




The Clock app allows you to set alarms, view different world times, use a stopwatch, set a timer, manage your bedtime, and use your phone as a desk clock.

Set the date and time manually



Your phone uses the wireless network to receive the current date and time automatically. You can also set the date and time manually.

1. From the Home screen, swipe up to access **Apps** and tap **Clock** .
2. Tap **Menu**  > **Settings** > **Change date & time** > **Set time automatically** > **Off**.
3. Set the date and time manually.

Create a new alarm

1. From the Clock screen, tap **Alarm**  >  to add a new alarm.
2. Set the time for the alarm and tap **OK**. You can also tap  to enter the time directly.
3. Set more alarm details, if desired.
 - **Add label:** Enter a name for the alarm.
 - **Repeat:** Select the days to repeat the alarm.
 - **Schedule alarm:** Set start date and end date of the alarm.
 - **Alarm sound:** Select a sound to play for the alarm.
 - **Vibrate:** Activate alarm vibration.
 - **Google Assistant Routine:** Add the current alarm to your Google Assistant Routine.
 - **Delete:** Delete the current alarm.

Turn an alarm off



1. To turn an alarm off, drag the **Alarm Clock**  to **Stop**.
2. To snooze the alarm for 10 minutes, drag the **Alarm Clock**  to **Snooze**.

Delete an alarm







1. From the Alarm screen, tap the alarm you want to delete from the alarm list.
2. Tap **Delete**.


World clock

The World clock lets you keep track of the current time in multiple cities around the globe.







1. From the Clock screen, tap **Clock**  >  to access the World clock screen.
2. Type to enter a city name and select the city you want to add from the list.
 - To remove a city, swipe the city to the left side.

Timer


1. From the Clock screen, tap **Timer**  to access the Timer screen.
2. Enter the amount of time into the Timer.
3. Tap  to begin timing.
4. Tap  to pause timing.
 - Tap  again to resume timing.
 - Tap  to reset the timer back to the original amount of time.
 - Tap  to delete the timer.

- Tap  to add another timer. Swipe up and down to view other active timers.

Stopwatch

1. From the Clock screen, tap **Stopwatch**  to access the Stopwatch screen.
2. Tap  to begin the stopwatch.
3. Tap  to stop the stopwatch.
 - Tap  again to resume timing.
 - Tap  to reset the stopwatch to zero.
 - Tap  to add lap splits.

Bedtime

1. From the Clock screen, tap **Bedtime**  to access the Bedtime screen.
2. Tap **Get started** and set your sleep time and wake-up time.

There are the following options for you to manage your sleep:

- **See recent bedtime activity:** Keep track of your screen time and see estimates of time spent in bed. This is based on when your phone remained motionless in a dark room.
- **Listen to sleep sounds:** You can play soothing music to help you fall asleep. Sleep sounds don't play automatically.
- **See your upcoming events:** To make sure your alarm is set before any events, allow **Clock** to access your calendar.

Note: You can add **Bedtime mode** to the Quick Settings Panel to enable or disable this mode quickly and easily.

Entertainment and activities

The following topics provide an overview of your phone's entertainment apps.

YouTube

View videos uploaded to YouTube and upload your own videos.

View YouTube videos

Note: You can use the YouTube app to view videos on YouTube even if you aren't signed in to a YouTube account.

1. From the Home screen, swipe up to access **Apps** and tap **YouTube** .

Note: You can also access YouTube from the Google folder on the Home screen.

- If you are prompted to provide confirmation to use the on-screen instructions to continue.
2. Browse YouTube channels and tap a video to view.
3. The video will play on your phone screen. Tap the screen to pause or resume play while watching.

Post a video to YouTube

You can post videos to your YouTube account from your phone. Before posting, you must set up a YouTube account and sign in on your phone.

1. From the YouTube screen, tap **Record/Post Video**  > **Upload a video**.

Note: You may be prompted to allow access to your photos, camera, and microphone. Tap **ALLOW ACCESS** to continue.



2. Select a video to upload, record a new video to upload, or stream a live video. Enter a title, description, and tags, and select a privacy setting.












Settings












The topics in this section will cover your phone's settings and options.

Basic settings

From the Home screen, swipe up to access **Apps** and tap **Settings**  to access your phone's Settings menu. You can also access the Settings menu from the Status bar. Swipe the Status bar down twice and tap **Settings** .

The table below outlines the Settings categories.

Category	Description
 Network & internet	Set Wi-Fi, mobile network, Airplane mode, Hotspot, VPN, Data Saver, etc.
 Connected devices	Manage the settings on devices connected by Bluetooth, Cast, USB, etc.
 Apps	View your recently opened apps, adjust the settings on default apps, permissions, etc.
 Notifications	Manage the settings on notifications.
 Battery	Monitor your phone's battery usage.
 Storage	Manage internal storage on your phone and provide menu choices for an optional SD card (not included).
 Sound & vibration	Set ringtone, operation tones, etc.
 Display	Set brightness, font size, etc.
 Wallpaper & style	Set wallpapers, colors, themed icons, and app grid.


Category	Description
 Accessibility	Set accessibility options such as screen magnification, audio adjustment, etc.
 Programmable Key	Assign functions to the programmable key.
 Security	Set a screen lock method, manage fingerprints, etc.
 Privacy	Manage apps permissions, set your account activity and personal data, etc.
 Location	View and manage apps using your location.
 Safety & emergency	Add your medical information and emergency contacts, enable Emergency SOS and Emergency Location services, etc.
 Passwords & accounts	Manage all your email, social networking, and picture and video sharing accounts.
 Digital Wellbeing & parental controls	Statistics, screen usage time, app timers, bedtime schedules, manage notifications, etc.
 Google	Check and set Google service options.
 System	Set language and time, manage reset options, enable backup, and view more important information about your phone.
 About phone	View information about your device.

Network & internet


Manage network and connectivity settings.

Internet


Connect your device to a Wi-Fi network

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Internet**.
3. Slide the Wi-Fi switch to the **On**  position to turn it on.

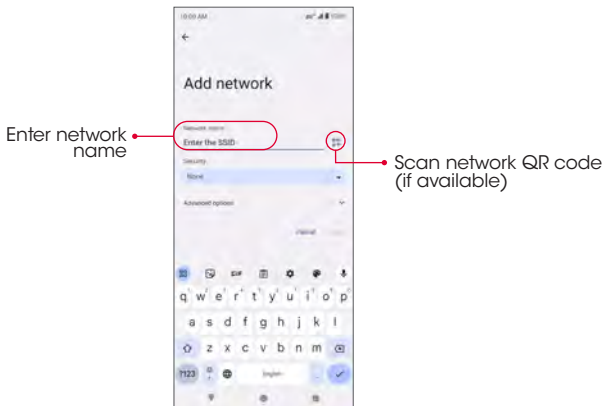
Your phone will automatically search for available networks and you will be able to see the names and security settings of in-range Wi-Fi networks.

- To disable Wi-Fi, slide the Wi-Fi switch to the **Off**  position.
4. Tap the Wi-Fi network you want to connect to, enter the password (if applicable), and tap **CONNECT**. Your phone will be connected to the selected Wi-Fi network.
 - The password for a household wireless LAN router is sometimes found on a sticker on the router (WEP, WPA, KEY, etc.) or QR code. Contact the router manufacturer for information. For the password for a public wireless LAN, check with user's service provider.
 - Entering a password is not required if an access point is not security protected.

Manually connect to a Wi-Fi network

1. From the Internet screen, slide the Wi-Fi switch to the **On**  position to turn Wi-Fi on.
2. Scroll down and tap **Add network**.

3. Enter the required information and tap **SAVE** to continue.



- **Network name:** Enter the network name.
- **Security:** Select a security option and enter your password.
- **Advanced options:** Show advanced options, such as IP settings and Proxy settings.

Network preferences

Create and manage wireless access points.

- **Turn on Wi-Fi automatically:** Wi-Fi will be turned on automatically when you are near high-quality saved networks, like your home network.
- **Notify for public networks:** Receive notifications about open networks when Wi-Fi is turned on.

- **Passpoint:** Enable or disable the function of seamlessly connecting to Passpoint™ enabled Wi-Fi access points without needing a password.
- **Install certificates:** Allow authentication to access files.
- **Wi-Fi Direct:** Connect to devices with Wi-Fi Direct.


Saved networks


Tap to view your saved Wi-Fi networks.

Non-carrier data usage

Tap to view the Wi-Fi data used by each app.

Wi-Fi Calling

1. From the Network & internet screen, tap **Mobile Network > Wi-Fi Calling**.
2. Slide the switch to the **On**  position to enable **Wi-Fi Calling**.

Note: To use Wi-Fi Calling, you will need to set up an Emergency Address. When the Emergency Address is successfully set, you will see the Wi-Fi Calling icon  in the Status bar.

- **About Wi-Fi Calling:** Tap to view more information about Wi-Fi Calling.
- **Network preference:** Select the preferred network.
- **Emergency Address:** Update your emergency address. This address will be used by Emergency services as your location if you make an emergency call (911) over Wi-Fi from this phone within the U.S.

Note: You must have an active Wi-Fi connection to send or receive calls and messages with Wi-Fi Calling.

Mobile network

From the Network & internet screen, tap **Mobile network**.

Mobile Data: Enable data access on your mobile network.

International Data Roaming: Enable international data roaming.

App data usage: View the mobile data usage of each app.

Data warning & limit: View the following data management options:

- **Mobile data usage cycle:** Set the date the data usage cycle resets.
- **Set data warning:** Enable alerts when your mobile data usage reaches the amount set.
- **Data warning:** Set the data usage amount. Your phone will notify you when it reaches the amount set. Data usage measured by your phone is an approximate amount, and it may differ from the actual amount.
- **Set data limit:** Enable data limits.
- **Data limit:** Set a data limit. Your phone will turn off mobile data when it reaches the limit set.

Enable 5G: Enable the ability to connect to the latest available 5G networks.

Carrier settings version: View carrier settings version.

Wi-Fi calling: See ["Wi-Fi Calling" on page 104](#) for details.

Carrier video calling: Enable or disable video calling.

Automatically select network: Enable or disable automatic network selection. Disable this function to choose network manually.


Choose network: Select the network manually. This option is available only when the Automatically select network function is disabled.

Access Point Names: Select or add APNs.

User Controlled PLMN: Select or add PLMNs.

Airplane mode

Disable all network communication.

1. From the Network & internet screen, tap **Airplane mode**.
2. Slide the switch to the **On**  position to activate Airplane mode. You can directly enable or disable Airplane mode via Quick Settings Panel.

Hotspot & tethering


Share your phone's internet connection with other devices.

From the Network & internet screen, tap **Hotspot & tethering**

Note: Using your phone as a mobile hotspot increases battery consumption and data usage.

Wi-Fi hotspot

Use your phone as a mobile hotspot.


1. From the Hotspot & tethering screen, tap **Wi-Fi Hotspot**.
2. Slide the switch to the **On**  position to activate the mobile hotspot.
 - **Hotspot name:** Set the hotspot name.
 - **Security:** Turn hotspot security on or off.
 - **Hotspot password:** Tap to set a hotspot password.
 - **AP Band:** Select Access Point band, 2.4 GHz or 5GHz.
 - **Turn off hotspot automatically:** Turn off the hotspot automatically if no devices are connected.
 - **Mobile Hotspot turn off timer:** Set a timer for the hotspot to automatically turn off.
 - **Maximum connections:** Tap to set the maximum number of users

allowed to connect to the hotspot.

- **Connected users:** View your connected users.
- **Blocked users:** View your blocked users.


USB tethering

Share your phone's internet connection via USB.

1. Connect your phone to the device that you want to share your internet with using a Type-C USB cable before continuing to the next step.
2. From the Hotspot & tethering screen, tap **USB tethering**.
3. Slide the switch to the **On**  position to enable USB tethering.

Bluetooth tethering

Share your phone's internet connection via Bluetooth.

1. From the Hotspot & tethering screen, tap **Bluetooth tethering**.
2. Slide the switch to the **On**  position to enable Bluetooth tethering.

Data Saver

To help reduce data usage, Data Saver prevents some apps from sending or receiving data in the background.

From the Network & internet screen, tap **Data Saver**.

- **Use Data Saver:** Enable the data saving feature.
- **Unrestricted data:** Set apps to be allowed to use restricted data when Data saver is on.

VPN (Virtual Private Networks)

Note: You need to set a screen lock PIN or password before you can use a VPN.

Add a VPN profile

1. From the Network & internet screen, tap **VPN**.
2. Tap **+** on the top right corner of the VPN screen to add a VPN profile.
3. Follow the prompts to set up a VPN.

Edit and delete a VPN

1. From the VPN screen, tap  next to the VPN you want to edit or delete.
2. Edit the VPN and tap **Save**, or tap **Forget** to delete the VPN.

Connect to a VPN

From the VPN screen, tap the VPN you want to connect, enter your login information, and tap **Connect**.

- To disconnect, tap the VPN, and tap **Disconnect**.

Private DNS

1. From the Network & internet screen, tap **Private DNS**.
2. Select your Private DNS mode.



Wireless Emergency Alerts

From the Network & internet screen, tap **Wireless Emergency Alerts**.

- **Allow alerts:** Receive wireless emergency alert notifications.
- **National alerts:** National warning messages. Can't be turned off.
- **Extreme threats:** Enable to receive extreme threats to life and property.
- **Severe threats:** Enable to receive severe threats to life and property.
- **AMBER alerts:** Enable to receive AMBER alerts (child abduction emergency bulletins).
- **Public safety messages:** Enable to receive public safety messages (recommended actions that can save lives and property).
- **State and local tests:** Enable to receive test messages from state and local authorities.
- **Emergency alert history:** View all the alerts you've received before.
- **Vibration:** Enable vibration when receiving an alert.
- **Alert reminder:** Set alert reminder.
- **Spanish:** Enable to receive emergency alerts in Spanish when possible.

Connected devices

Manage settings for connected devices.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices** .

USB

Connect your phone to a computer using a USB cable to transfer data, share network connectivity, or charge your phone.

From the Connected devices screen, tap **USB**.

USB controlled by

- **Connected device:** Set the connected device to control the USB.
- **This device:** Set your phone to control the USB.

Use USB for

- **File Transfer:** Select to transfer files between your phone and your computer.
- **USB tethering:** Select to set the USB tethering mode.
- **MIDI:** Select to set this device as MIDI.
- **PTP:** Select to transfer PTP photos.
- **No data transfer:** Select to set No data transfer mode.

File transfer options

- **Convert videos to AVC:** Enable or disable the ability to convert videos to AVC format. When enabled, videos will play on more media players, but quality may be reduced.

Power options

- **Charge connected device:** Enable or disable the ability to charge the

connected device.

Connection preferences


Manage various connection preferences.

From the Connected devices screen, tap **Connection preferences**.

Bluetooth

Wirelessly hear calls, connect speakers, transfer data, and more.

Activate Bluetooth

1. From the Connection preferences screen, tap **Bluetooth**.
2. Slide the switch to the **On**  position to turn it on. You can directly enable or disable Bluetooth via **Quick Settings Panel**.



Rename this device

1. From the Bluetooth screen, tap **Device name**.
2. Enter a new name and tap **Rename** to save.


Pair a Bluetooth device

1. From the Bluetooth screen, tap **Pair new device**.
2. All the available devices are listed out.
3. Select the device you want to connect to within the Available devices list and follow the prompts to connect.
 - Make sure the device you want to connect with is discoverable via Bluetooth.
 - Depending on the device, you may be required to enter or accept a passkey.

Rename a paired device

1. From the Connected devices screen, tap **Settings**  next to a paired device name.
2. Tap **Edit** , enter a new name, and tap **Rename** to save.

Connect/Disconnect to/from a paired device

1. From the Connected devices screen, tap **Settings**  next to a paired device name.
2. Tap **Connect** or **Forget**.


Receive data via Bluetooth

When a device attempts to send a file to your phone using Bluetooth, you will be prompted to accept or decline the request.

1. Tap **ACCEPT**.
2. To view the file received, swipe the Status bar down and tap **Bluetooth share: Received files**, or locate the file from Bluetooth settings menu.

Cast

Scan for nearby devices to connect to and set them up. A notification will appear when there are available devices to connect to.

1. From the Connection preferences screen, tap **Cast**.
2. Tap **Menu**  > **Enable wireless display**.
3. Tap a device to connect.

Printing

Connect your device to a printer on the same Wi-Fi network.

Add printer


1. From the Connection preferences screen, tap **Printing**.
2. Tap **Add service**.
3. Tap an option to add a printer by IP address or by Wi-Fi Direct.

Chromebook

1. From the Connection preferences screen, tap **Chromebook**.
2. Tap to manage connections with your Chromebook.

Nearby Share

Nearby Share allows the rapid short-range exchange of images, videos, text, contact info, directions, YouTube videos, and other data via Bluetooth.

1. From the Connection preferences screen, tap **Nearby Share**.
2. Slide the switch to the **On**  position to enable this function. You can directly enable or disable Nearby Share feature via Quick Settings Panel.

Device name

Rename your device. Enter a new name and tap **RENAME** to save.

Device visibility


Set your device's visibility. You can make yourself visible to **Everyone** or some people from **Contacts**, or **Your devices** that are signed into the same account.

Data

Set data usage method. You can choose **Data**, **Wi-Fi Only**, or **Without**

internet (Files shared offline).

Show notification



Slide the switch to the **On**  position to show notification when devices are sharing nearby.

Note: Nearby Share requires both sender and recipient devices' Bluetooth and Location to be turned on, both devices are unlocked, and close together.

If the content can be sent, a bottom sheet will appear with a list of available contacts to share with.

Android Auto



Use Android Auto app to control your phone's maps, media and messages functions, with the Google Assistant while you drive.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Connection preferences** > **Android Auto**.
3. Tap **CONNECT A CAR** button to view connection details.
4. Plug your phone into this car's Android Auto-compatible USB port.
5. When connected, supported apps will be mirrored from your phone to your car's display.

Note: Hands-free operation through voice commands is encouraged to minimize driving distraction.

Apps

View current running applications, manage permissions, and more.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Apps** .


Recently opened apps

View detailed information. Tap **Open** to access this app, tap **Disable** to disable this app, or tap **Force stop** to stop this app.

Default apps

You can set the default app for the browser, phone, messages, etc. You can also set default apps for opening links.

Screen time

You can tap  on the right side of most apps to set daily timers. When the app timer ends, the app is paused for the rest of the day.

Unused apps



View apps that you have not used for a long time. You can un-install them to free up some space.

Special app access

View app access for special functions, such as display over other apps, unrestricted data, usage access, etc.

Notifications

Manage the settings on notifications.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Notifications** .


App settings

Control notifications from individual apps.

1. From the Notifications screen, tap **App settings**.
2. Apps were categorized into four types: **Most recent**, **Most frequent**, **All apps**, **Turned off**. Select a category from the drop-down list, and choose the app you want to adjust the notification settings for.

Notification history

View your recent and snoozed notifications.

1. From the Notifications screen, tap **Notification history**.
2. Slide the switch to the **On**  position to turn it on.
3. Your recent and snoozed notifications will appear.

Conversations

View priority and modified conversations.


1. From the Notifications screen, tap **Conversations**.
2. Your priority and modified conversations are displayed.

To change conversation settings, follow the below steps:

1. Swipe the Status bar down to display the Notification panel.
2. Touch and hold a conversation.

Bubbles

Enable message conversations display as bubbles, floating on top of other apps.

1. From the Notifications screen, tap **Bubbles**.
2. Slide the switch to the **On**  position to allow apps to show bubbles.

Device & app notification


Control which apps and devices can read notifications.

1. From the Notifications screen, tap **Device & app notifications**.
2. You can see the devices and apps that allowed and not allowed to access notifications.


Notifications on lock screen

1. From the Notifications screen, tap **Notifications on lock screen**.
2. Select how you want notifications to be displayed on the lock screen.

Do Not Disturb

1. From the Notifications screen, tap **Do Not Disturb**.
2. Tap  to enable Do Not Disturb mode.
3. You can set What can interrupt Do Not Disturb, Schedules, etc.

Wireless emergency alerts

1. From the Notifications screen, tap **Wireless emergency alerts**.
2. Slide the **Allow alerts** switch to the **On**  position to allow alerts.
3. Slide the alert switches to turn them on or off. For more information, see [*"Wireless Emergency Alerts" on page 109*](#).


Hide silent notifications in status bar

1. From the Notifications screen, tap **Hide silent notifications in status bar**.
2. Slide the switch to the **On**  position to hide silent notifications in status bar.


Allow notification snoozing

1. From the Notifications screen, tap **Allow notification snoozing**.
2. Slide the switch to the **On**  position to allow temporarily snoozing certain notifications.

Notification dot on app icon



1. From the Notifications screen, tap **Notification dot on app icon**.
2. Slide the switch to the **On**  position to allow the display of notification dots on an app icon.

Enhanced notifications

1. From the Notifications screen, tap **Enhanced notifications**.
2. Slide the switch to the **On**  position to automatically show suggested actions and replies.

Battery

Monitor your phone's battery usage through the Battery settings menu. Check the battery consumption and percentage.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Battery** .

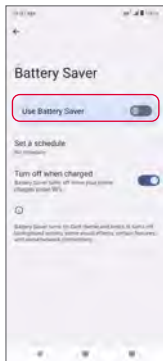
Battery usage


View battery usage from last full charge.

1. From the Battery screen, tap **Battery usage**.
2. You can view the battery percentage that each apps used.


Battery Saver

From the Battery screen, tap **Battery Saver**.




- Slide the **Use Battery Saver** switch to the **On**  position to turn the battery saver mode on. The **Battery Saver** will automatically turn off when the phone is plugged in.
- **Set a schedule:** Tap **Based on percentage** and drag the slider to the percentage you need. The **Battery Saver** will turn on automatically when your phone reaches that battery percentage.
- **Turn off when charged:** When enabled, battery saver turns off when your phone charges above 90%.

Adaptive Battery

1. From the Battery screen, tap **Adaptive Battery**.
2. Slide the switch to the **On**  position to enable the battery manager.
3. Monitor the amount of battery being used by apps. If battery usage increases too much, your phone will suggest actions you can take.




Battery percentage

From the Battery screen, slide the switch to the **On**  position to show the battery percentage in the Status bar.

Storage

The Storage settings menu allows you to manage internal storage on your phone and provides menu choices for an optional SD card (not included).

Note: The descriptions of this section are based on the scenarios that an SD card is inserted in your phone.


1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Storage** .
3. Tap **This device**  > **This device**, then tap a category to view the storage amount used by each app.
4. Delete backed up files by tapping **Free up space**.


Storage manager

Storage manager removes backed up photos and videos from your device.

From the Storage screen, slide the **Storage manager** switch to the **On**  position to enable the storage manager.

SD card



From the Storage screen, tap **This device**  > **SD card** to view files stored on your SD card.

Tap **Menu**  to access the following options:


- **Rename:** change the SD card name.
- **Eject:** eject the SD card to allow for safe removal.
- **Format:** format the SD card.

Sound & vibration

Control your phone's audio, from ringtones and alerts to tap tones and notifications.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Sound & vibration** .
3. Drag the slider to adjust the volumes.
 - **Media volume:** Adjust the media and alert notification volume.
 - **Call volume:** Adjust the call volume.
 - **Ring volume:** Adjust the ring volume.
 - **Notification volume:** Adjust the notification volume.
 - **Alarm volume:** Adjust the alarm volume.

Do Not Disturb


1. From the Sound & vibration screen, tap **Do Not Disturb**.
2. Tap  to enable Do Not Disturb mode. Some notifications will be silenced when Do Not Disturb is turned on.
3. You can set What can interrupt Do Not Disturb, Schedules, etc.

Phone ringtone

1. From the Sound & vibration screen, tap **Phone ringtone**.
2. Select a ringtone for incoming phone calls. You can customize your own ringtone by tapping **Add ringtone**.

Live Caption

Live Caption detects speech on your device and automatically generate captions.


1. From the Sound & vibration screen, tap **Live Caption**.
2. Slide the Use Live Caption switch to the **On**  position to enable this function.
3. You can adjust settings for the following aspects:
 - **Languages:** English only for now. More languages coming soon.
 - **Hide profanity:** Enable to replace profanity with asterisk symbol.
 - **Show sound labels:** Enable to include sounds like laughter, applause and music.
 - **Live Caption in volume control:** Enable Live Caption in volume control.

Media

From the Sound & vibration screen, tap **Media**.



- **Pin media player:** Have media player stays open in the Quick Settings Panel when the media session has ended.
- **Show media on lock screen:** Have media player stays open on lock screen to quickly resume playback.
- **Show media recommendations:** Show media recommendations basing on your activities.

Advanced

- **Vibrate & haptics:** Enable or disable vibration for calls, notifications, and alarms. Enable or disable interactive haptics.
- **Shortcut to prevent ringing:** Press the Power/Lock key and the Volume up key together to activate Vibrate or Mute mode. Slide the switch to the **On**  position to enable the Prevent ringing function.
- **Default notification sound:** Select the default notification sound. You can customize your own notification sound by tapping **Add notification**.
- **Default alarm sound:** Select the default alarm sound. You can customize your own alarm sound by tapping **Add alarm**.
- **Dial pad tones:** Enable dial pad tones.
- **Screen locking sound:** Enable screen locking sounds.
- **Charging sounds and vibration:** Enable the charging sounds and vibration.
- **Touch sounds:** Enable touch sounds.
- **Always show icon when in vibrate mode:** Enable to always display vibrate icon on status bar when in vibrate mode.

Display


Use the phone's Display settings menu to adjust items such as wallpaper, brightness, screen timeout, and more.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Display** .

Brightness level

1. From the Display screen, tap **Brightness level**.
2. Drag the slider to adjust the brightness level manually.


Adaptive brightness

1. From the Display screen, tap **Adaptive brightness**.
2. Slide the switch to the **On**  position to enable Adaptive brightness.
3. When turned on, your phone will automatically adjust screen brightness based on the lighting conditions.

Lock screen

1. From the Display screen, tap **Lock screen**.
2. Manage what to show and when to show on the lock screen.

Screen timeout

1. From the Display screen, tap **Screen timeout**.
2. Set screen timeout interval. Your screen will automatically go to sleep after the set amount of time.
3. You can slide the **Screen attention** switch to the **On**  position to prevent your screen from turning off if you're looking at it.


Dark theme

From the Display screen, slide the **Dark theme** switch to the **On**  position to enable the dark theme.


Display size and text

1. From the Display screen, tap **Display size and text**.
2. Drag the sliders to adjust the font size and display size, slide the switches to enable bold text and high contrast text. You can also tap **Reset settings** to reset display size and text to phone's original settings.

Night Light

From the Display screen, slide the **Night Light** switch to the **On**  position to enable Night Light. When enabled, you can set a Night Light schedule and intensity. You can also enable automatic Night Light until sunrise.

Auto-rotate screen

From the Display screen, slide the **Auto rotate screen** switch to the **On**  position to enable screen rotation.

Screen saver



From the Display screen, tap **Screen Saver** to set the screen saver, adjust screen saver settings.

Wallpaper & style

See [*"Change the wallpaper" on page 47*](#) for details.

Accessibility

The Accessibility settings menu allows you to manage accessibility-related apps. Accessibility services are special features to make the device easier to use for those with certain physical disabilities.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility** .

Real-Time Text call

From the Accessibility screen, tap **Real-Time text call**.

- **RTT Call Button:** Select **Always Visible** to always have access to the RTT call button.
- **RTT transcript:** Turn the transcript of history on.

Downloaded apps

From the Accessibility screen, you can view a list of downloaded accessibility apps.

Screen reader

List out the supported screen reader apps.

Display size and text

From the Accessibility screen, tap **Display size and text**.

- **Font size:** Drag the slider to adjust the font size.
- **Display size:** Drag the slider to make the items on your screen smaller or larger.
- **Bold text:** Bold the texts displayed on your screen.


- **High contrast text:** Change text color to black or white, maximizes contrast with the background.
- **Reset settings:** Reset the display size and text preferences to the phone's original settings.

Color and motion


From the Accessibility screen, tap **Color and motion**.

- **Color correction:** Enable color correction. This may affect performance.
- **Color inversion:** Enable color inversion. This may affect performance.
- **Dark theme:** Enable dark theme mode.
- **Remove animations:** Enable or disable animations.
- **Large mouse pointer:** Enable the large mouse pointer function.

Extra dim



From the Accessibility screen, slide the Extra dim switch to the **On**  position to dim screen beyond your phone's minimal brightness.

Dark theme

From the Accessibility screen, slide the Dark theme switch to the **On**  position to access dark theme mode. You can set dark theme schedule.


Magnification

From the Accessibility screen, tap **Magnification**.

- **Magnification shortcut:** Slide the switch to the **On**  position to enable magnification shortcut. Tap the magnification icon  that appears on the bottom right corner of the screen to magnify your screen.



- **Magnification type:** Choose magnification type.
- **Magnify typing:** Magnifier follows text as you type.

Glove touch mode

From the Accessibility screen, slide the Glove touch mode switch to the **On**  position to enable glove touch mode.

Accessibility Menu

From the Accessibility screen, tap **Accessibility Menu**.

- **Accessibility Menu shortcut:** Slide the switch to the **On**  position to enable accessibility menu shortcut. Tap the accessibility menu icon  that appears on the bottom right corner of the screen to control your device. You can lock your device, control volume and brightness, take screenshots, and more.
- **Settings:** Enable or disable large accessibility menu icons, view help resources, or send feedback.

Timing controls

From the Accessibility screen, tap **Timing controls**.

- **Touch & hold delay:** Set the touch & hold delay to **Short**, **Medium**, or **Long**.
- **Time to take action (Accessibility timeout):** Choose how long to show messages that ask you to take an action.
- **Autoclick (dwell timing):** Enable automatic clicking when using a mouse and adjust the amount of time between the mouse stopping and the click.

System controls

From the Accessibility screen, tap **System controls**.


- **System navigation:** Set system navigation by gestures or using Back, Home and Recent apps buttons located at the bottom of the screen.
- **Power button ends call:** Enable ending calls by pressing the **Power/Lock** key.
- **Auto-rotate screen:** Enable or disable screen rotation.

Vibration & haptics


From the Accessibility screen, tap **Vibration & haptic**.

- **Ring vibration:** Enable or disable vibration for ringing.
- **Vibrate first then ring gradually:** Enable or disable the vibration first then ringing gradually function. This option is available only when the **Ring vibration** function is enabled.
- **Notification vibration:** Enable or disable vibration for notifications.
- **Alarm vibration:** Enable or disable vibration for alarms.
- **Touch feedback:** Enable or disable vibration for touch.
- **Media vibration:** Enable or disable vibration for media.


Live Caption

1. From the Accessibility screen, tap **Live Caption**.
2. Live Caption detects speech on your device and automatically generates captions. Slide the **Use Live Caption** switch to the **On**  position to enable this function.

Caption preferences

1. From the Accessibility screen, tap **Caption preferences**.
2. Slide the switch to the **On**  position to show captions. You can also set caption display language, text size, and caption style.

Audio description

1. From the Accessibility screen, tap **Audio description**.
2. Slide the switch to the **On**  position to enable auto description function. You can hear a description of what's happening on screen in supported movies and shows.

Hearing aids

From the Accessibility screen, tap **Hearing aids**. Pair a hearing aids to connect.


Audio adjustment

From the Accessibility screen, tap **Audio adjustment**.

- **Mono audio:** Enable combining channels when playing audio.
- **Audio balance:** Drag the slider left or right to adjust the audio balance from the speaker.


Accessibility shortcuts

From the Accessibility screen, tap **Accessibility shortcuts**.

- **Accessibility button:** Manage the settings on accessibility button , such as location, size, etc.
- **Shortcut from lock screen:** Allow feature shortcut to turn on from the lock screen.


Text-to-speech output

From the Accessibility screen, tap **Text-to-speech output**.

- **Preferred engine:** Set the text-to-speech engine (Google is default). Tap  to manage text-to-speech settings.
- **Language:** Set the language for this function.
- **Speech rate:** Drag the slider to adjust speech rate.
- **Pitch:** Drag the slider to adjust pitch.
- Tap **PLAY** to play the example.
- Tap **RESET** to reset all Text-to-speech settings to the default settings.



Programmable Key

Your phone is equipped with a programmable hardware key at the left side for quick accessing the apps you've set.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Programmable Key** 
 - **Short press:** Set the app you want to access when you short press the programmable key on any screens other than lock screen.
 - **Press & hold while phone unlocked:** Set the app you want to access when you long press the programmable key on any screens other than lock screen.
 - **Press & hold while phone locked:** Set the app you want to access when you long press the programmable key on lock screen.
 - **Press & hold timer:** Set long press timer.

Security


The Security settings will help you to secure your device, protect your data, and keep your privacy.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security** .

Google Play Protect

Google will regularly check your device and prevent/warn you of potential harm. Only apps from Play Store will be checked.

From the Security screen, tap **Google Play Protect**.

- Tap **Scan** to start scanning your device for harmful apps.
- Tap **Settings**  to view Play Protect settings:
 - **Scan apps with Play Protect:** Enable regular scanning for harmful apps on your device.
 - **Improve harmful app detection:** Enable sending unknown apps to Google for better detection.
 - **Permission for unused apps:** Review permissions for apps that you haven't used in a few months.

Find My Device

Find My Device helps you locate your device remotely, keeping your data safe if your phone is lost.

1. From the Security screen, tap **Find My Device**.
2. Slide the switch to the **On**  position to activate Find My Device.
 - There are several ways available to locate your device.

Security update

Check for new software updates for your device.

1. From the Security screen, tap **Security update**.
2. Tap **Check for update** to check for updates.

Google Play system update

Check if a Google Play system update is available.


1. From the Security screen, tap **Google Play system update**.
2. Follow any steps on the screen.

Screen lock

1. From the Security screen, tap **Screen lock**.
 - **None:** Disable any screen lock.
 - **Swipe:** Set swipe to unlock.
 - **Pattern:** Set an unlock pattern. Follow the prompts to finish the settings.
 - **PIN:** Set a PIN code as the screen unlock method.
 - **Password:** Set a password as the screen unlock method.

Important: To protect your phone and data from unauthorized access, it is recommended that you use the highest security level available (Password protection). It is also recommended you frequently change your password to ensure the safety of your phone and personal data. If you failed to enter the correct pattern, PIN, or password, after five attempts, you will be prompted to wait for 30 seconds before you can try again.

2. Tap  next to Screen lock to adjust some settings on screen lock.

- **Make pattern visible:** Slide the switch to the **On**  position to make the pattern visible.
- **Lock after screen timeout:** Set an automatic lock timer.
- **Power button instantly locks:** Activate instant lock with the power button.

Note: "Make pattern visible" is only available when the pattern screen lock is set.


Fingerprint

In addition to unlocking your phone, you can also use your fingerprint to authorize purchases and app access.

Add a fingerprint

1. From the Security screen, tap **Fingerprint**.
2. Enter your pattern, PIN, or password.

Note: To add a fingerprint, you must set your backup screen lock method first.

3. Tap **Next**. Put your finger on the sensor on the right of your phone and lift after you feel a vibration. Keep pressing and lifting your finger to add the different parts of your fingerprint.
4. Tap **Delete**  to delete a saved fingerprint.
5. Tap **Add fingerprint** to add another fingerprint.


Face unlock

Unlock your phone by looking at it.

Set up face authentication

1. From the Security screen, tap **Face unlock**.
2. Enter your pattern, PIN, or password.

Note: To add a face unlock, you must set your backup screen lock method first.

3. Slide the switch to the **On**  position turn on Face unlock.
4. Tap **Add face data** > **Continue**.
5. Keep your eyes open and make sure your face is fully visible and not covered by any object, such as a hat or sunglasses.

Unlock your phone with your face

To unlock your phone, press the **Power/Lock** key to light up the phone screen and trigger Face unlock automatically.

Note: Face unlock is less secure than fingerprint or password. Someone who looks like you could unlock your phone.

More security settings

Smart Lock

Unlock your device automatically in certain conditions.

From the Security screen, tap **Smart Lock**.

- **On-body detection:** Activate On-body detection feature. Your device will now be kept unlocked while it is on you.
- **Trusted places:** Add a trusted location where the device can remain unlocked.
- **Trusted devices:** Add a second device that keeps your device unlocked when it is nearby.

Device admin apps

1. From the Security screen, tap **Device admin apps**.
2. Enable or disable Device admin apps according to your preference.

SIM card lock

From the Security screen, tap SIM card lock.



- **Lock SIM card:** Enable SIM card lock. SIM lock will require you to enter a PIN to use your device.
- **Change SIM PIN:** Change the PIN code.

Encryption & credentials



From the Security screen, tap **Encryption & credentials**.

- **Encrypt phone:** Your phone is already encrypted.
- **Trusted credentials:** View trusted security certificates.
- **User credentials:** View and modify stored credentials.
- **Install a certificate:** Install certificates from the SD card.
- **Clear credentials:** Remove all certificates.
- **Certificate management app:** View apps where the credentials can be used for authentication.

Trust agents



1. From the Security screen, tap **Trust agents**.
2. View your trusted agents. Slide the switch to the **On**  or **Off**  position to turn them on or off.

App pinning

1. From the Security screen, tap **App pinning**.
2. Slide the switch to the **On**  or **Off**  position to turn it on or off. When turned on, you can use App pinning to keep the current screen in view until you unpin.

Privacy

The Privacy settings will help you to secure your device, protect your data, and keep your privacy.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Privacy** .

Privacy dashboard

1. From the Privacy screen, tap **Privacy dashboard**.
2. Show which apps used permissions in the pass 24 hours.

Permission manager

1. From the Privacy screen, tap **Permission manager**.
2. Control permission for apps that use your camera, location, microphone, contacts, etc.

Camera access

Allow camera access for all apps and services.

Microphone access

Allow microphone access for all apps and services.

Show passwords

Display characters briefly as you type passwords.

Notifications on lock screen

Choose to show or hide notification content on the lock screen.

Show media on lock screen

Show media on lock screen to quickly resume playback.

Android System intelligence

Get suggestions based on the people, apps, and content you interact with.

App content

Allow apps to send content to the Android system.

Show clipboard access

Show a message when apps access text, images, or other content you've clipped.

Autofill service from Google

Autofill your information from your Google Account.

1. From the Privacy screen, tap **Autofill service from Google > Continue**.
2. Fill in the categories with information you would like to autofill, such as an address, payment methods, etc.

Activity controls


Choose the activities and information you allow Google to save.

Ads

Control advertising ID and personalization.




Usage & diagnostics

Share data to help improve Android.

1. From the Privacy screen, tap **Usage & diagnostics**.
2. Slide the switch to the **On**  position to enable Usage & diagnostics.

Location

The Location settings will help you to secure your device, protect your data, and keep your privacy.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Location** .
3. Slide the switch to the **On**  position to turn location services on.

Recent access

View a list of apps that have recently requested your location.

App location permissions

View which apps have permission to access location services.

Location services

Earthquake alerts

Get an alert with the estimated magnitude and distance from your location when an earthquake is detected nearby.

Emergency Location Service

Turn Emergency Location Services (ELS) on. When you call or text an emergency number, your device will use ELS to automatically send your

location to emergency responders.

Google Location Accuracy

Use GPS, Wi-Fi, mobile networks, and sensors to determine your location.

Google Location History

View your location history.

Google Location Sharing

Share your real-time location from your devices with people you choose.

Wi-Fi scanning



Improve location accuracy by allowing system apps and services to detect Wi-Fi networks at any time.

Bluetooth scanning

Improve location accuracy by allowing system apps and services to detect Bluetooth devices at any time.

Safety & emergency

Fulfill your medical and emergency information, view emergency alerts, and manage settings on emergency SOS and location service.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Safety & emergency** .


Medical information

1. From the Safety & emergency screen, tap **Medical information**.
2. Add your medical information such as your name, address, blood type, allergies, etc.

Emergency contacts

1. From the Safety & emergency screen, tap **Emergency contacts**.
2. Tap **Add contact**.
3. Choose contacts as your emergency contacts to be accessed from the lock screen in case of an emergency.

Emergency SOS

1. From the Safety & emergency screen, tap **Emergency SOS**.
2. Slide the switch to the **On**  position to turn Emergency SOS function on.
3. If you have an emergency and need emergency services, press the **Power/Lock** key 5 or more times quickly.

Play alarm sound

Play a loud sound when Emergency SOS is starting.

Call emergency services

Dial local emergency number.

Share info with emergency contacts

Share real-time location and updates with emergency contacts.

Record emergency video

Record video to share with emergency contacts, or to save and back up.

Crisis alerts

Turn Crisis alerts on. You will get notified about natural disasters and public emergencies affecting your area.

Emergency Location Service

Turn Emergency Location Services (ELS) on. When you call or text an emergency number, your device will use ELS to automatically send your location to emergency responders.

Earthquake alerts


Turn Earthquake alerts on. You will get an alert with the estimated magnitude and distance from your location when an earthquake is detected nearby.

Wireless emergency alerts

Turn wireless emergency alerts on. You can also view emergency alert history and manage alert preferences.

Passwords & accounts

Set up and manage all of your accounts, including your Google Account and other social networking accounts, through the Accounts settings menu.


1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Passwords & Accounts**.

Passwords

See, change, or remove passwords you saved in your Google Account.



From the Passwords & Accounts screen, tap **Google**.

Password Manager

1. From the Passwords & Accounts screen, tap **Google > Password Manager**.
2. Tap  to manage your password settings
 - **Offer to save passwords:** Save passwords to your Google account.
 - **Sign in automatically:** Sign in to websites automatically using saved credentials.
 - **Export passwords:** Download a copy of your passwords for other uses.
 - **Add shortcut to your home screen:** Add Google Password Manager to your home screen for quick access.
 - **Declined sites and apps:** List out the sites and apps you've chosen not to save passwords. You can add more into the list by taping **Add more**.

Autofill service

Autofill your information when needed from your Google Account.

1. From the Passwords & Accounts screen, tap  next to Autofill service.
2. Slide the switch to the **On**  position to activate the autofill function.

3. Fill in the categories with information you would like to autofill, such as addresses, payment methods, etc.

Preferences


From the Passwords & **Accounts** screen, tap  next to Autofill service > **Preferences**.

- **Sync preferences:** Use preferences on other devices with your Google Account.

Add account

1. From the Passwords & Accounts screen, tap **Add account**.
2. Tap the type of account you want to add.
3. Follow the prompts to enter your credentials and set up the account.
 - For more information about setting up a Google Account, see ["Google Account" on page 36](#).



Automatically sync app data

1. From the Passwords & Accounts screen, tap **Automatically sync app data**.
2. Slide the **Automatically sync app data** switch to the **On**  position to activate automatic data syncing.

Digital Wellbeing & parental controls

Your Digital Wellbeing tools

Use app timers and other tools to keep track of screen time and unplug more easily.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Digital Wellbeing & parental controls**  > **Show your data**.

Ways to disconnect

- **Dashboard:** View your screen time and set timers for your apps.
- **Bedtime mode:** Set a bedtime schedule to disconnect from your phone and avoid interruptions while you sleep.
- **Focus mode:** Pause distracting apps when you need time to focus.

Reduce interruptions

- **Manage notifications:** Enable or disable the notifications of apps.
- **Do Not Disturb:** Mute your device, but allow exceptions such as calls or texts from certain contacts.
- **Heads Up:** Prompt you to stop staring at your phone while walking. Follow the steps to set up Heads Up feature.

Show icon in the app list

Slide the switch to the **On**  position to enable icons in the app list.



Parental controls

Add content restrictions and set other limits to help your child balance their screen time.

1. From the Digital Wellbeing & parental controls screen, tap **Set up parental controls**.
2. Follow the screens to finish the setup.



Google

Configure your device's Google settings. Available options depend on your Google Account.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Google** .
 - **Services on this device:** Select an option to customize your Google Account settings.

System


Manage detailed settings for your phone, including language and input settings, gestures, date and time, reset options, etc.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System** .

Languages & input

Set the language for the phone's menus and keyboards, select and configure keyboard settings, configure speech input settings, and more.

Languages

1. From the System screen, tap **Language & input > Languages**.
2. View your languages.
 - When more than one language has been added, you can touch and hold the language, then drag it up to the first position to set as the default display language.
 - To add a language, tap **Add a language**, then select the language you want to add.
 - To remove a language, tap **Menu**  **> Remove**.

App Languages

Set the language for each app.

Note: Not all apps on your device support this function.

On-screen keyboard

View your virtual keyboard settings. Activate or deactivate your virtual keyboards.

Physical keyboard

View your physical keyboard settings.

- **Use on-screen keyboard:** Enable or disable displaying a virtual keyboard while a physical keyboard is active.
- **Keyboard shortcuts:** Tap to set keyboard shortcuts.

Voice input

View your voice input engine and manage speech language settings.

On-device recognition

Manage your voice recognition languages.

Text-to-speech output


Manage settings on the text-to-speech function.

Spell checker

Enable or disable the spell checker.

- **Languages:** Select spell checker language.
- **Default spell checker:** Select the default spell checker app.

Personal dictionary

Add custom words to your personal dictionary. Tap **Add**  to add a word to the dictionary.

Pointer speed

Set the speed of the pointer for a mouse/track pad.

Gestures





Manage gesture settings.

From the System screen, tap **Gestures**.

Quickly open camera

Open the Camera app from any screen by quickly pressing the **Power/Lock** key twice.

System navigation

- **Gesture navigation:** Select the checkbox to enable the following navigation gestures:
 - To go to the Home screen, swipe up from the bottom of the screen.
 - To switch apps, swipe up from the bottom, hold, then release.
 - To go back to the previous screen, swipe from either the left or right edge.Tap  to add gesture to invoke assistant and adjust gesture sensitivity.
- **3-button navigation:** Select the checkbox to enable 3-button navigation. This option is enabled by default.
 - To go to the Home screen, tap .
 - To switch apps, tap .
 - To go back to the previous screen, tap .

Press and hold power button

Press and hold the **Power/Lock** key to access Google Assistant.

Prevent ringing

Press the **Power/Lock** key and the **Volume up** key together to activate Vibrate or Mute mode.

Note: **Prevent ringing** option will be grayed out when the **Press and hold power button** function is enabled, and vice versa.

Date & time

From the System screen, tap **Date & time**.

Set time automatically

Automatically use the time and date provided by a connected Wi-Fi network or GPS. Disable this function to enter the date and time manually.

Date

Set the date manually. This option is available only when the **Set time automatically** function is disabled.

Time

Set the time manually. This option is available only when the **Set time automatically** function is disabled.

Set time zone automatically

Automatically set the time zone. Disable this function to select the time zone manually.

Use location to set time zone

Use location to set the time zone.

Time zone

Manually select your time zone. This option is available only when the **Automatic time zone** function is disabled.

Use locale default



Use the default time format.

Use 24-hour format

Enable or disable the 24-hour time format.

Backup

Your phone's Backup settings let you back up your phone's data and settings to Google servers before resetting your phone to the original factory settings.

1. From the System screen, tap **Backup**.
2. Slide the **Backup by Google One** switch to the **On**  or **Off**  position to enable or disable automatic backup to your Google Drive.
3. Tap **Back up now** to start.

Backup details

You can check what data and which apps are included in your backup.

Advanced settings

- **Back up using mobile or metered Wi-Fi data:** Enable or disable backup using mobile data or Wi-Fi data.

System update

Check for new software updates for your device.

Multiple users

You can share this device with other people by creating additional users. Each user has their own space, which they can customize with apps, wallpaper, and so on. Users can also adjust device settings like Wi-Fi that affect everyone.

From the System screen, tap **Multiple users**.

Edit your profile info

1. From the Multiple users screen, tap **You (Owner)**.
2. Enter a name and add a photo.
3. Tap **OK** to confirm.

Add a new user

From the Multiple users screen, tap **Add user** > **OK** to set up a new user.

You can switch to new user, turn on phone calls & SMS for the new user, or delete the user.

Add a guest

From the Multiple users screen, tap **Add guest**.

You can switch to guest, turn on phone calls for the guest, or remove the guest.

Switch users

1. From the Multiple users screen, tap the name of the user you want to switch to.
2. Tap **Switch to [name of user]**.

3. Restart the phone to switch back to the Owner/Admin profile.

Delete users


1. From the Multiple users screen, tap the user you want to delete.
2. Tap **Delete user** > **Delete** to remove the user.

- Other users can delete their own profiles by tapping **Menu**  > **Delete [name of user] from this device** > **Delete**.

Note: All apps and data stored on the user's profile will also be deleted.



Delete guest activity

Delete all guest apps and data when exiting guest mode.

From the Multiple users screen, slide the **Delete guest activity** switch to the **On**  position to enable it.

Add user from lock screen

Not only can you switch between profiles from the lock screen, but you can also add users directly from it.

1. From the Multiple users screen, slide the **Add users from lock screen** switch to the **On**  position to enable it.
2. From lock screen, drag the status bar down to display the quick settings panel.
3. Tap  to access the User settings screen.
4. Tap **Add guest** or **Add user** to add users.

Reset options



From the System screen, tap **Reset options**.

- **Reset Wi-Fi, mobile & Bluetooth:** Reset all network settings, including Wi-Fi, Mobile data, and Bluetooth. Tap **Reset settings** to reset.
- **Reset app preferences:** Reset all app preferences, including disabled apps, disabled app notifications, default apps, background data restrictions, etc. Tap **Reset apps** to reset.
- **Erase all data (factory reset):** Completely erase all data from your phone's internal storage and reset the device to factory settings. Tap **Erase all data** to reset.

Note: Performing a factory reset will also erase any data on an installed SD card. Unmount the card to avoid losing any data you may have stored on it.

About phone

Access important phone information, view legal and safety information, etc.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **About phone** 
 - **Device name:** Tap to edit your phone's display name.
 - **Phone number:** Display your phone number.
 - **Legal information:** View your device's legal information, including third-party licenses, Google legal, system web view licenses, etc.
 - **E-label:** View your device's e-label information.
 - **SIM status:** View your SIM status information, such as the Network, Phone number on SIM, Mobile network state, etc.
 - **Model:** View your device model and hardware information.
 - **IMEI:** View your IMEI.
 - **ICCID:** View your ICCID.
 - **Android version:** View your device's current Android version and other relevant information.
 - **IP address:** View your IP address.
 - **Wi-Fi MAC address:** View your Wi-Fi MAC address.
 - **Device Wi-Fi MAC address:** View your device's fixed MAC address.
 - **Bluetooth address:** View your Bluetooth address.
 - **Up time:** View your up time.
 - **Build number:** View your build number.



Getting help

The topics in this section will cover troubleshooting tips and phone specifications.

For assistance

Troubleshooting

Check below for solutions to common problems you may experience.

Problem: The phone freezes or operations are unstable.

Solution: Restart the device. Press and hold the **Power/Lock** key and the **Volume up** key, then tap **Restart**.

Note: Data that was being edited will be erased when the device is restarted.

Problem: The device starts freezing after installing a new app.

Solution: The newly-installed app may be causing the device to freeze. Uninstall the app in Safe mode.

To enable Safe mode:

- Press and hold the **Power/Lock** key and the **Volume up** key, then touch and hold **Power off**. Read the disclaimer for Safe mode, and then tap **OK**.
- After turning the phone on in Safe mode, "Safe mode" will appear at the bottom left corner.
- After restarting in Safe mode, your phone can be powered on as usual.
- Before enabling Safe mode, it is recommended that you back up important data.
- To exit Safe mode, restart the device. Press and hold the **Power/Lock** key and the **Volume up** key, then tap **Restart**. The phone will reboot in normal mode.







Uninstall the app:

- From the Home screen, swipe up to access **Apps** and tap **Settings**  >

Apps > See all apps.

- Tap the app you want to uninstall, and tap **UNINSTALL**.

Problem: The phone will not make calls, send messages, check email, or connect to the Internet.

- **Solution 1:** The network signal may be too weak or you may be out of the service area. Return to an area with a strong network signal.
- **Solution 2:** Restart the device. Press and hold the **Power/Lock** key, then tap **Restart**.
- **Solution 3:** Make sure Airplane mode is not active. From the Home screen, swipe up to access **Apps** and tap **Settings**  > **Network & internet**  > **Airplane mode** and ensure the switch is in the **Off**  position.
- **Solution 4:** Make sure mobile data is enabled. From the Home screen, swipe up to access **Apps** and tap **Settings**  > **Network & internet**  > **Mobile network** and ensure the switch is in the **On**  position.

Problem: The battery drains too quickly.

Solution: Making calls or connecting to a mobile network outside of your service area will drain the battery. Certain apps and functions can also drain the battery.

Tip: You can enable the Battery Manager to help identify which apps are draining the battery. From the Home screen, swipe up to access **Apps** and tap **Settings**  > **Battery**  > **Battery Manager** and slide the switch to the **On**  position.

Problem: An app will not download or install.

- **Solution 1:** Make sure the device has enough space for the app. Apps may not be installed with minimal free space on the phone or SD card. To check free storage space, see [*"Storage" on page 121*](#).
- **Solution 2:** The app is not supported by your phone. Make sure your software version is up to date and download any updates.

Problem: The phone will not unlock.

- **Solution 1:** Make sure you entered your pattern/PIN/password correctly.
- **Solution 2:** Restart the device. Press and hold the **Power/Lock** key and the **Volume up** key, then tap **Restart**.

Note: Data that was being edited will be erased when the device is restarted.

Specifications

The following tables list your phone's and battery's specifications.

Phone specifications

Specification	Description
Weight	Approx. 220 g
Continuous talk time	Up to XX hours
Continuous standby time	Up to XX hours
Charging time	2.5 hours
Dimensions (L x W x H)	Approx. 170.45 x 78 x 9.96 mm
Display	6.56" HD+, 20:9 aspect ratio 1612 x 720 resolution
Processor	2.0 GHz, 8-core, Qualcomm SM4450
Cameras	Rear cameras: 16+5+2MP Front camera: 8MP
Memory	4 GB RAM / 64 GB ROM
Communication speed	3G: B1, 2, 4, 5, 8 4G LTE: B1, 2, 3, 4, 5, 7, 8, 12, 14, 20, 26, 28, 29, 38, 39, 40, 41, 66 5G: N2, 5, 66, 77

Specification	Description
Android version	Android 13

Battery specifications

Item	Description
Voltage	3.87 V
Type	Lithium-Polymer (non-removable)
Capacity	5000 mAh

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Safety and use

The topics in this section will introduce how to use your mobile device safely.

Please read before proceeding

THE DEVICE IS NOT FULLY CHARGED WHEN YOU TAKE IT OUT OF THE BOX. DO NOT ATTEMPT TO REMOVE THE BACK COVER OR BATTERY. YOUR WARRANTY IS INVALIDATED IF YOU DISASSEMBLE OR ATTEMPT TO DISASSEMBLE THE DEVICE.

Important health information and safety precautions

When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damages. Retain and follow all product safety and operating instructions. Observe all warnings in the operating instructions on the product.

To reduce the risk of bodily injury, electric shock, fire, and damage to the equipment, observe the following precautions.

Electrical safety

This product is intended for use when supplied with power from the designated battery or power supply unit. Other usages may be dangerous and will invalidate any approval given to this product.

Safety precautions for proper grounding installation

Warning: Connecting to an improperly grounded equipment can result in an electric shock to your device.

This product is equipped with a USB Cable for connecting with desktop or notebook computers. Be sure your computer is properly grounded (earthed) before connecting this product to the computer. The power supply cord of a desktop or notebook computer has an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.

Safety precautions for power supply unit

Use the correct external power source

A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorized service provider or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

This product should be operated only with the following designated power supply unit(s).

Travel charger:

Input: 100-240V, 50/60Hz, 0.5A.

Output: 9V/2A, 5V/3A, or 12V/1.5A.

Handle battery packs carefully

This product contains a Lithium Polymer battery. There is a risk of fire and burns if the battery pack is handled improperly. Do not attempt to open or service the battery pack. Do not disassemble, crush, puncture, short circuit the external contacts or circuits, dispose of in fire or water, or expose a battery pack to temperatures higher than 140°F (60°C). The operating temperature for the phone is -4°F (-20°C) to 122°F (55°C). The charging temperature for the phone is 32°F (0°C) to 113°F (45°C).

Warning: Battery is nonremovable. Do not attempt to remove the battery for danger of explosion.

To reduce the risk of fire or burns, do not disassemble, crush, puncture, short circuit the external contacts, expose to temperature above 113°F (45°C), or dispose of in fire or water. Do not attempt to replace the non-removable battery. The phone and battery as a unibody device must be disposed of

in accordance with locally applicable environmental regulations or guides supplied with your product.



Take extra precautions

- Do not disassemble or open, crush, bend or deform, puncture, or shred.
- Only use the USB cable provided with the phone or that bear the USB-IF logo or have completed the USB-IF compliance program.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion, or other hazards.
- Only use the battery with a charging system that has been qualified with the system per CTIA Certification Requirement for Battery System Compliance to IEEE1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazards.
- Replace the battery only with another battery that has been qualified with the system per this standard: IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage, or other hazards. Only authorized service providers shall replace battery. (If the battery is non-user replaceable).
- Promptly dispose of used batteries in accordance with local regulations.
- Improper battery use may result in a fire, explosion, or other hazards.

- Do not replace an embedded battery pack. Improper replacement may present a risk of fire, explosion, leakage, or other hazards. Contact the manufacturer for replacement instructions.
- The phone identifies the battery by the Battery ID Pin.
- If the battery leaks:
 - Do not allow the leaking fluid to come in contact with skin or clothing. If already in contact, flush the affected area immediately with clean water and seek medical advice.
 - Do not allow the leaking fluid to come in contact with eyes. If already in contact, DO NOT rub; rinse with clean water immediately and seek medical advice.
 - Take extra precautions to keep a leaking battery away from fire as there is a danger of ignition or explosion.

Safety precautions for direct sunlight

Keep this product away from excessive moisture and extreme temperatures. Do not leave the product inside a vehicle or in places where the temperature may exceed 113°F (45°C), such as on a car dashboard, windowsill, or behind a glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. This may damage or overheat the product, or pose a risk to the vehicle.

Prevention of hearing loss

Permanent hearing loss may occur if earphones or headphones are used at a high volume for prolonged periods of time.

Safety in aircraft

Due to the possible interference caused by this product to an aircraft's

navigation system and its communications network, using this device's phone function on board an airplane is against the law in most countries. If you want to use this device while on board an aircraft, remember to turn off your RF on your phone by switching to Airplane mode.

Environment restrictions

Do not use this product in gas stations, fuel depots, chemical plants or where blasting operations are in progress, or in potentially explosive atmospheres such as fueling areas, fuel storehouses, below deck on boats, chemical plants, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Please be aware that sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Explosive atmospheres

When in any area with a potentially explosive atmosphere or where flammable materials exist, the product should be turned off and the user should obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised not to use the equipment at refueling points, such as service or gas stations, and are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. These include fueling areas, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Road safety

Full attention must be given to driving at all times in order to reduce the risk of an accident. Using a phone while driving (even with a hands-free kit) causes

distraction and can lead to an accident. You must comply with local laws and regulations restricting the use of wireless devices while driving.

Safety precautions for RF exposure

- Avoid using your phone near metal structures (for example, the steel frame of a building).
- Avoid using your phone near strong electromagnetic sources, such as microwave ovens, sound speakers, TV, and radio.
- Use only original manufacturer-approved accessories or accessories that do not contain any metal.
- Use of non-original manufacturer-approved accessories may violate your local RF exposure guidelines and should be avoided.

Interference with medical equipment functions

This product may cause medical equipment to malfunction. The use of this device is forbidden in most hospitals and medical clinics.

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your healthcare provider may be able to assist you in obtaining this information.

Turn your phone OFF in healthcare facilities when any regulations posted in these areas instruct you to do so. Hospitals or healthcare facilities may be using equipment that could be sensitive to external RF energy.

Non-ionizing radiation

Your device has an internal antenna. This product should be operated in its normal-use position to ensure the radioactive performance and safety of the interference. As with other mobile radio transmitting equipment, users are

advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Use only the supplied integral antenna. Use of unauthorized or modified antennas may impair call quality and damage the phone, causing loss of performance and SAR levels exceeding the recommended limits as well as result in noncompliance with the local regulatory requirements in your country.

To assure optimal phone performance and ensure human exposure to RF energy is within the guidelines set forth in the relevant standards, always use your device only in its normal-use position. Contact with the antenna area may impair call quality and cause your device to operate at a higher power level than needed.

Avoiding contact with the antenna area when the phone is IN USE optimizes the antenna performance and the battery life.

Electrical safety

Accessories

- Use only approved accessories.
- Do not connect with incompatible products or accessories.
- Take care not to touch or allow metal objects, such as coins or key rings, to contact or short circuit the battery terminals.

Connection to a car

Seek professional advice when connecting a phone interface to the vehicle electrical system.

Faulty and damaged products

- Do not attempt to disassemble the phone or its accessory.
- Only qualified personnel may service or repair the phone or its accessories.

General precautions

You alone are responsible for how you use your phone and any consequences of its use. You must always switch off your phone wherever the use of a phone is prohibited. The use of your phone is subject to safety measures designed to protect users and their environment.

Avoid applying excessive pressure to the device

Do not apply excessive pressure on the screen or the device to prevent damage. Remove the device from your pants' pocket before sitting down. It is also recommended that you store the device in a protective case and only use the device stylus or your finger when interacting with the touch screen. Cracked display screens due to improper handling are not covered by the warranty.

Device getting warm after prolonged use

When using your device for prolonged periods of time, such as when you're talking on the phone, charging the battery, or browsing the Web, the device may become warm. In most cases, this condition is normal and therefore should not be interpreted as a problem with the device.

Heed service markings

Except as explained elsewhere in the Operating or Service documentation, do not service any product yourself. Service needed on components inside the device should be done by an authorized service technician or provider.

Protect your phone

- Always treat your phone and its accessories with care and keep them in a clean and dust-free environment.
- Do not expose your phone or its accessories to open flames or lit tobacco products.
- Do not expose your phone or its accessories to liquid, moisture, or high humidity.
- Do not drop, throw or try to bend your phone, or its accessories.
- Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.
- Do not paint your phone or its accessories.
- Do not attempt to disassemble your phone or its accessories, only authorized personnel must do so.
- Do not expose your phone or its accessories to extreme temperatures, minimum 14°F (-10°C) and maximum 113°F (45°C).
- Please check local regulations for disposal of electronic products.
- Do not carry your phone in your back pocket as it can break when you sit down.

Damage requiring service

Unplug the product from the electrical outlet and refer servicing to an authorized service technician or provider under the following conditions:

- Liquid has been spilled into or an object has fallen onto the product.
- The product has been exposed to rain or water.
- The product has been dropped or damaged.
- There are noticeable signs of overheating.

- The product does not operate normally when you follow the operating instructions.

Avoid hot areas

The product should be placed away from heat sources such as radiators, heat registers, stoves, or any device producing heat.

Avoid wet areas

Never use the product in a wet location.

Avoid using your device after a dramatic change in temperature

When you move your device between environments with very different temperature and/or humidity ranges, condensation may form on or within the device. To avoid damaging the device, allow sufficient time for the moisture to evaporate before using the device.

NOTICE: When taking the device from low temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow the device to acclimate to room temperature before turning on the power.

Avoid pushing objects into the product

Never push objects of any kind into cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.

Airbags

Do not place a phone in the area over an airbag or in the airbag deployment area. Store the phone safely before driving your vehicle.

Mounting accessories

Do not use the product on an unstable table, cart, stand, tripod, or bracket. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.

Use product with approved equipment

This product should be used only with personal computers and options identified as suitable for use with your equipment.

Adjust the volume

Turn down the volume before using headphones or other audio devices.

Cleaning

Unplug the product from the wall outlet before cleaning.

Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning, but NEVER use water to clean the LCD screen.

Small children

Do not leave your phone and its accessories within the reach of small children or allow them to play with it. They could hurt themselves, or others, or could accidentally damage the phone. Your phone contains small parts with sharp edges that may cause an injury, or which could become detached and create a choking hazard.

Repetitive motion injuries

To minimize the risk of RSI, when texting or playing games with your phone:

- Do not grip the phone too tightly.
- Press the buttons lightly.
- Make use of the special features in the handset which minimize the number of buttons which have to be pressed, such as message templates and predictive text.
- Take lots of breaks to stretch and relax.

Operating machinery

Full attention must be given to operating the machinery in order to reduce the risk of an accident.

Loud noise

This phone is capable of producing loud noises which may damage your hearing.

Emergency calls

This phone, like any wireless phone, operates using radio signals, which cannot guarantee connection in all conditions. Therefore, you must never rely solely on any wireless phone for emergency communications.

Regulatory agency identifications

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.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Information (SAR)

This mobile phone meets the government's requirements for exposure to radio waves. This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands.

Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

The highest SAR value for the model phone as reported to the FCC when tested for use at the ear is 1.160 W/kg, in hotspot mode is 1.167 W/kg, and when worn on the body, as described in this user guide, is 1.167 W/kg (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.).

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: WYPP200.

For body-worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1.5 cm from your body when the phone is switched on.