



AT&T Verge™
User Guide

ATT.219.UG-R0RRD

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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 SL219A 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
Fingerprint sensor	Unlock your phone with a touch of your finger.
Eject SIM tray	Insert the SIM Card Tray Pin into the card tray slot and remove the SIM card tray.
SIM tray	Insert your Nano SIM card and microSD for service and additional storage.
Flash	<ul style="list-style-type: none"> • Brighten photos taken indoors or at night. • Use as a flashlight to see in dark areas.
Front camera	Take pictures and record videos while facing the screen with a 8MP lens.
Rear camera	Take pictures and record videos with a 50MP + 2MP lens.
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™.
Proximity and light sensor	A sensor will automatically dim or brighten the screen according to the environment.

Part	Description
Power key	<ul style="list-style-type: none"> • Press and hold to turn the phone on. • Press to turn the screen on or off. • Press and hold for 3 seconds to access Google Assistant. • Press along with the Volume up key to choose to turn the phone off or restart the phone. You can also press and hold for 10 seconds to restart the phone automatically. • Press along with the Volume down key to take a screenshot.
Receiver	Hear the caller and automated prompts.
Speaker	Listen to calls, automated prompts, and music.
Touch screen	<ul style="list-style-type: none"> • View information needed to operate your phone. • Access your phone's features and applications.
USB charging & accessory port	Connect the USB cable (included) for charging, or connect other accessories.
Volume keys	Adjust the volume for ringtones, media, notifications, and system sounds.

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

Battery use

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



Battery cautions

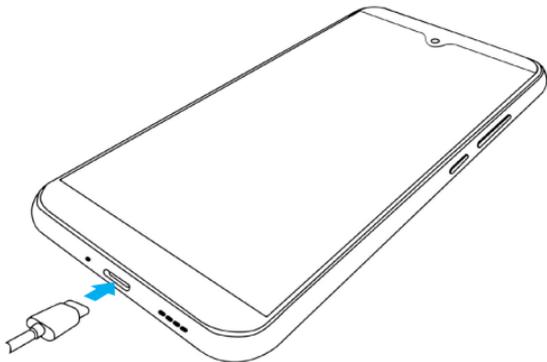
Storage: Avoid storing or leaving the phone with no charge remaining. Saved information and settings may become lost or changed, or the battery may become unusable. Charge once every six months if storing or leaving unused for a long period of time.

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 a long period of time. 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 SIM pin tool (included) into the small hole on the SIM card tray and press until the tray ejects. Remove SIM card tray.
2. Place the Nano SIM card (included) and MicroSD card (sold separately) into the tray.
3. Gently slide the card tray back into the slot.



Mount an SD card

1. With an SD card inserted, swipe up from the Home screen to access **Apps** and tap **Settings** .
2. Tap **Storage**  and select **DISK** from the drop down menu.
3. Tap **SET UP** and follow the prompts to complete the set up.

Unmount an SD card

Always unmount an SD card before removing it from your phone to avoid corrupting or damaging the files on the SD card.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Storage**  and select your SD card from the drop down menu.
3. Tap **Menu**  in the top right-hand corner and select **Eject**.

Your SD card is now safely unmounted. To use this SD card again, you will need to remove (see below) and mount it again.

Remove an SD card

Insert the SIM Card Tray Pin into the small hole on the SIM card tray and remove the SIM card tray. Pull out the card tray slot and remove the SD card.

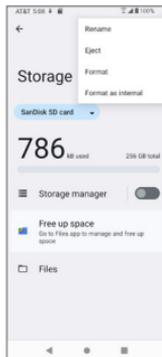
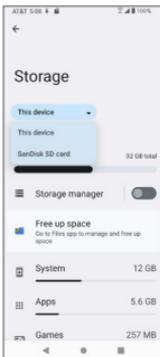
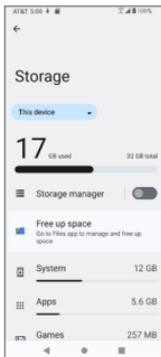
Format an SD card

When you insert an optional SD card for the first time, it is recommended that you format it on your phone.

Note: Formatting your SD card will erase all files on the card. Make sure to back up your files in another location before formatting.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Storage**  and select **SD card** from the drop down menu.
3. Tap **Menu**  and select **Format** or **Format as internal**, then tap **FORMAT SD CARD** to confirm.

All data on the SD card will be erased, and the card will be formatted for use on your phone.



Turn your phone on and off

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

Turn your phone on

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

Turn your phone off

1. Press and hold the **Power** key along with the **Volume up** key.
2. Tap **Power off**.

Restart your phone

1. Press and hold the **Power** key along with the **Volume up** key.
2. Tap **Restart**.



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.



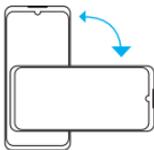
Swipe or slide

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 automatically change the screen orientation from portrait to landscape. When entering text, you can turn the phone sideways to bring up a bigger keyboard. See ["Touch screen keyboards" on page 37](#) for more details.

Note: To activate Auto-rotate mode, swipe up from Home screen to access **Apps** and tap **Settings**  > **Display**  > **Advanced** > **Auto-rotate screen**, and slide the switch to the **On**  position. You can also activate it by dragging the Status bar down twice and tapping **Auto-rotate** .



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, enter your name, 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.



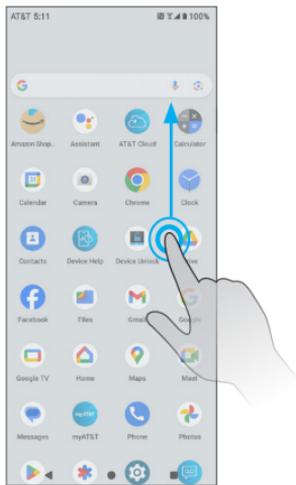
Basic operations

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 45.*](#)

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.

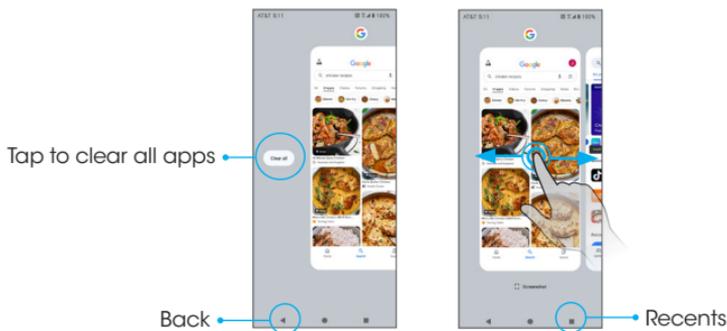
Recent applications

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

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. To close an app, swipe it up.
2. To close all of the apps and clear the list, tap **CLEAR ALL**.

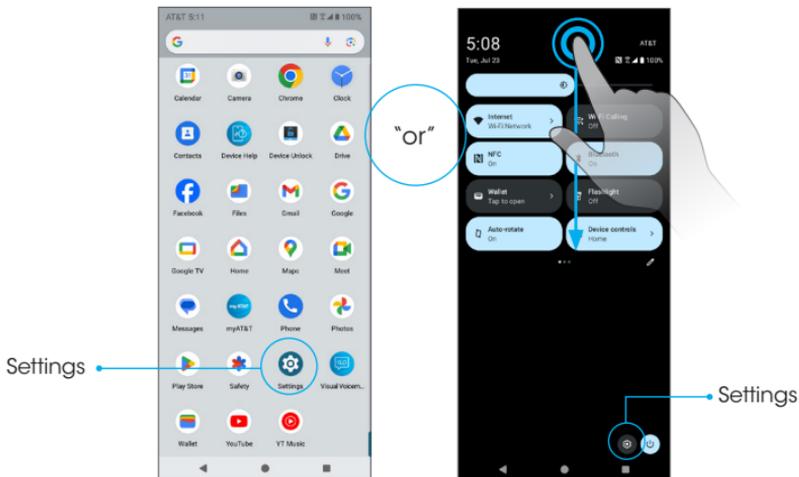
You can tap the **Recent Apps** button ■ twice to quickly switch between the two most recently used apps.

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:

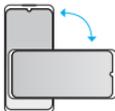
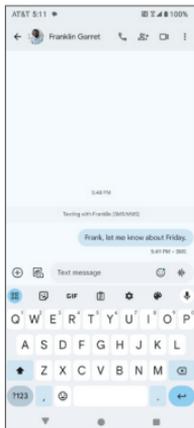
- From the Home screen, swipe up to access **Apps** and tap **Settings** .
- From any screen, swipe the Status bar down twice and tap **Settings** .

For more information, see ["Basic settings" on page 136](#).



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

- Swipe 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. From the Home screen, swipe up to access **Apps** and tap **Settings** . Tap **Display**  > **Advanced** > **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 and hold the **Power** 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 Gallery app.

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

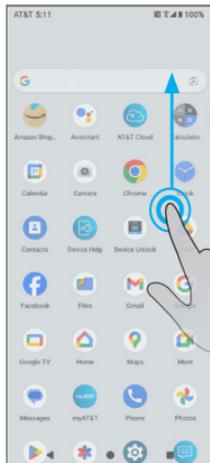
Applications

The following topics describe how to access the **Apps** list and launch applications on your phone.

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.



Work with apps

Group app folders

1. From the Home screen, touch a group app folder to open and tap an app shortcut to launch the app.
2. Tap and hold the app to access additional app options.
3. To add more apps to the folder, drag each app over to the folder.
See [*"Add App folders to the Home screen" on page 56.*](#)



Tap Folder



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 for 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**  > **Special app access**.
3. Select a category and tap the app you want to modify permissions for.
4. Slide the switch to the **On**  or **Off**  position to allow or deny app notification access.

Note: These options may vary.

Set default apps

You can choose default apps for web browsing, text messaging, and more.

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, messaging app, and more.

Choose default apps

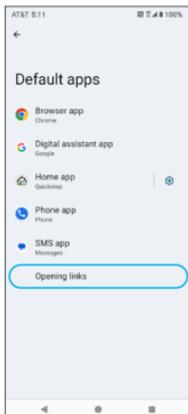
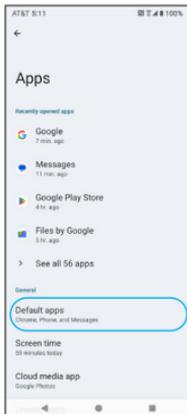
Some actions can be performed with more than one app. When performing an action for the first time, you may be prompted to choose an app. You can choose to use an app only this time by tapping **JUST ONCE**, or tap **ALWAYS** to set that app as the default.

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**.

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

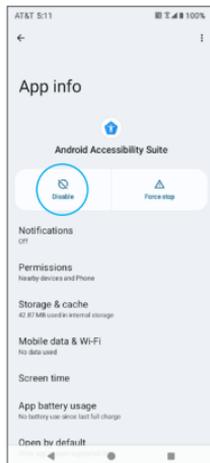
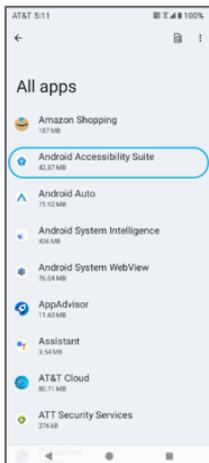
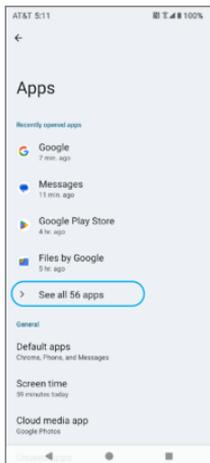
1. Tap **Apps**  > **Default apps** > **Opening links**.
2. Tap the app you want to set and slide the **Open supported links** switch to the **On**  position to allow web links to open in the app.



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**.



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 and share pictures and videos.
 Chrome	Surf the Internet with Google's easy-to-use web browser.
 Clock	Set alarms, view time zones around the world, use a stopwatch, set a timer, and use your phone as a desk clock.

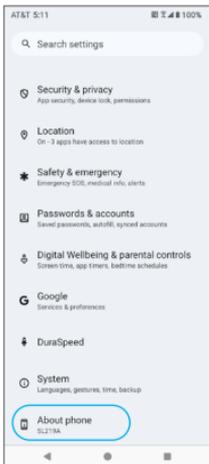
App	Function/Service
 Contacts	Manage all of your contacts in one place.
 Files	Access all of your documents, pictures, videos, and downloads.
 Gmail	Send, receive, and manage your email messages. This app supports email accounts for Gmail, Yahoo!®, Hotmail®, and more.
 Google	Search for information saved on the phone and within phone applications as well as on the Internet.
 Maps	Determine your location, find directions, browse local businesses and attractions, rate and review places, and more.
 Messaging	Send and receive text and multimedia messages.
 Phone	Place and receive calls, use voicemail, set up and manage contacts, and more.

App	Function/Service
 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.
 Settings	Adjust options, personalize your phone, view device information, and more.
 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**.



Tap to show 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 Airplane mode

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet** .
3. Slide the switch to the **On**  position to activate Airplane mode.

You will see the Airplane mode icon  in the Status bar.

To turn off Airplane mode

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet** .
3. 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 and tap **Airplane mode**  to enable or disable data transmissions.

Note: If you do not see Airplane mode in the Quick Settings menu, swipe to the right to locate it.

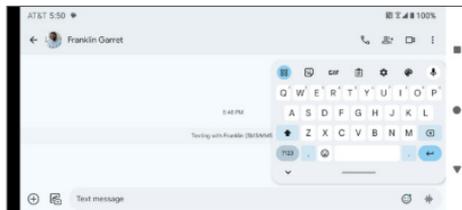
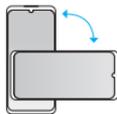
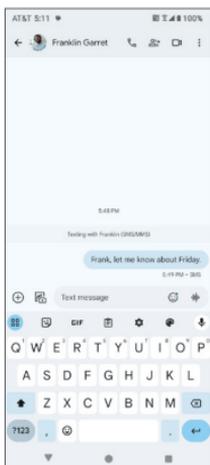
Enter text

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. You can also use Google Voice Typing to enter text using your voice (see [“Google Voice Typing” on page 38](#) for details).

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 key.



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.

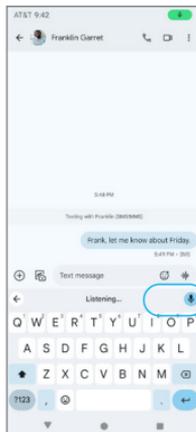
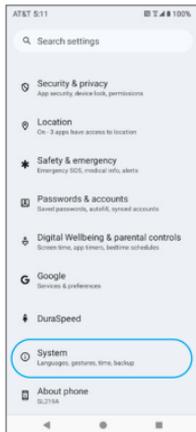
Access Google keyboard settings

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

Google Voice Typing

Google Voice Typing uses Google Voice™ recognition to convert speech to text.

1. From **Messages**, tap  and speak.

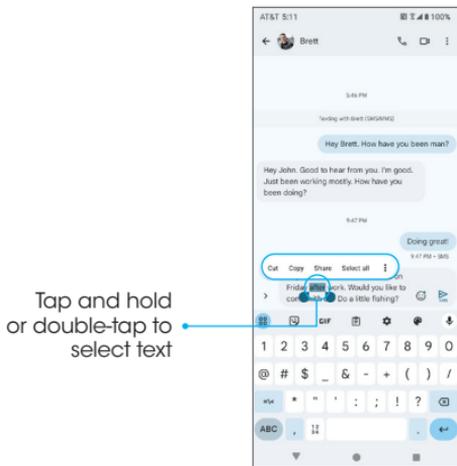


Tips for editing text

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

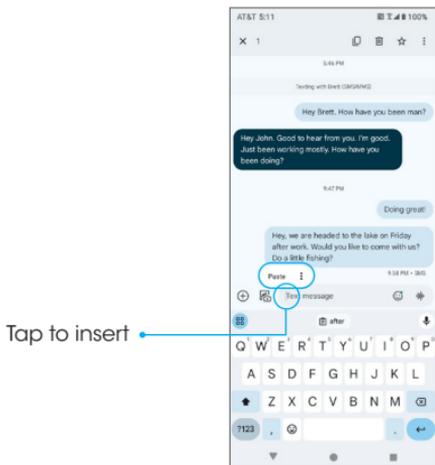
1. Touch and hold or double-tap the text you would like to edit.
2. Drag the tabs to adjust the highlighted selection.
3. The following options will appear: **Cut**, **Copy**, **Share**, **Select all** (if there is more than one word available to select), **Paste** (if you have text copied on the clipboard),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



Note: To view additional options tap  **Menu**.

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, Duo, 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.

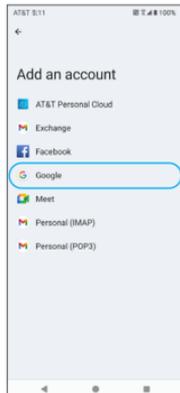
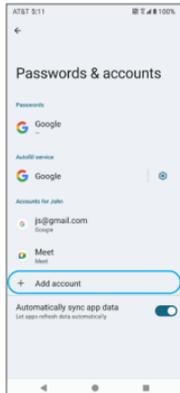
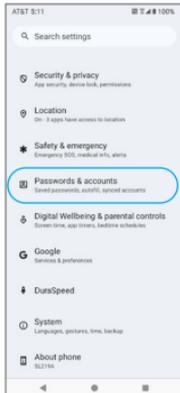
Note: You can also create and sign into your Google/Gmail account from the Settings menu.

Create a Google account online

1. Using a computer, visit google.com.
2. On the main page, click **Sign in** > **Create account** > **For myself**.
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 myself**.

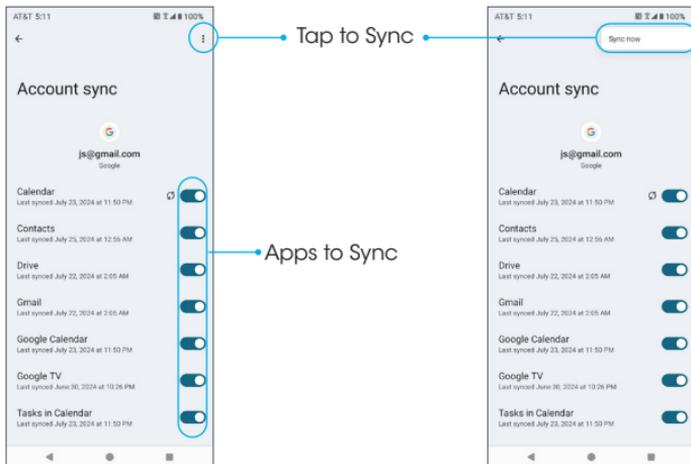


4. Follow the prompts to set up your account. Tap **Next** to proceed between steps, which may include:
 - a. Enter your basic information such as first and last name.
 - b. Enter a desired username/Gmail address.
 - c. Create and confirm a password.
 - d. Add a phone number for security, or tap **Skip**.
 - 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. To sync your account information, tap your account > **Account sync** and select the apps you would like to sync with your phone. Then tap **Menu**  > **Sync now**.



Important: Your service provider's policies often do not apply to third-party applications. Third-party applications may access your personal information or require disclosure of 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.

Note: For information on how to adjust the time before the screen turns off, see ["Display" on page 166](#)

Turn the screen off when not in use

To quickly turn the screen off, press the **Power** key. Pressing the **Power** key while receiving an incoming call will turn off your phone screen and silence the incoming call.

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** 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 ["Lock screen" on page 167](#) for details.

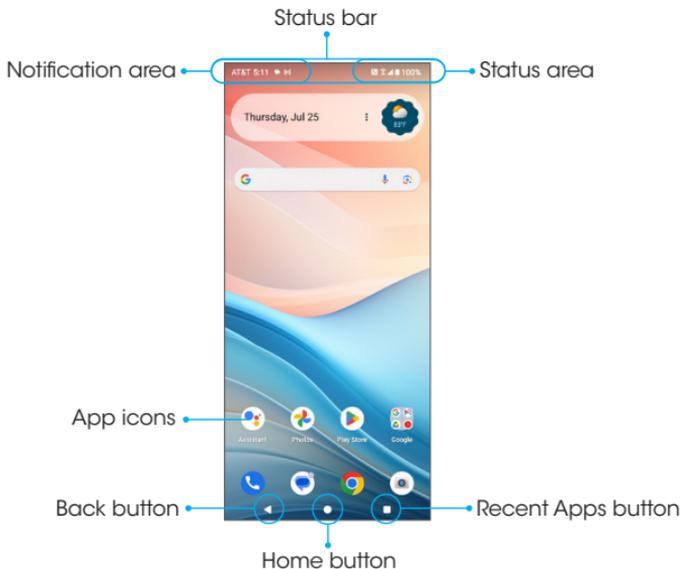
The following topics describe how to use and customize your phone's home screen, understand the Status bar, and use the Notification panel.

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, and more.

Home screen layout

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



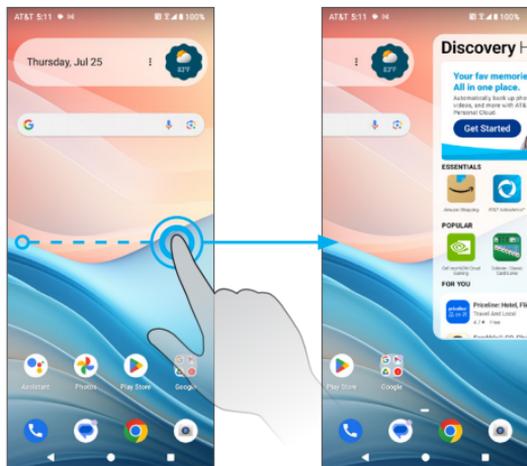
Item	Description
App icons	Add shortcuts to your favorite apps to the Home screen.
Back button 	Tap to return to the previous screen.
Home button 	Tap to display the main Home screen.
Notification area	View notifications for incoming messages, missed calls, application updates, and more. Drag the Status bar down to display the Notification panel.
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. • Tap and scroll to the screen you want to screenshot. Tap Screenshot to capture.
Status area	View phone and service status information such as signal strength, battery status, Wi-Fi and data connectivity, ring status, and time.
Status bar	Icons indicate your phone's status (on the right side) and notifications (on the left side).

Extended home screens

In addition to the main Home screen, your phone features extended Home screens to provide more space for adding icons, and more. Press the **Home** button  to display the main Home screen, then swipe to the right to move from the main screen to an extended screen.

To add a new Home screen, drag an app icon to the right edge of the main screen and release the icon. A new extended screen will be added.

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
	4G LTE data service
	Airplane mode enabled
	Battery (charging)
	Battery (full charge)
	Bluetooth® connected
	GPS in use
	NFC

Icon	Status
	Headphones
	Hotspot
	Mute on
	Network (full signal)
	Network (roaming)
	No Network
	Speakerphone enabled
	Vibrate on
	Wi-Fi® enabled
	Wi-Fi® Calling enabled

Main notification icons (Left side)

Icon	Notification
	Alarm
	Download
	Event
	Keyboard active
	Missed call
	New Gmail
	New text or MMS message
	New voicemail
	Warning
	Wi-Fi® Calling

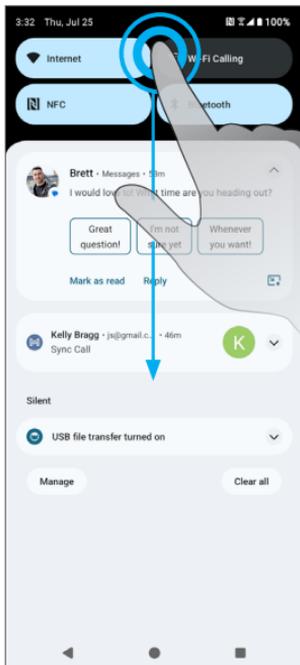
Note: Additional notification icons may appear. All notifications may be accessed through the Notification panel.

Notification panel

Your phone's notifications appear at the left side of the Status bar. Access the full Notification panel by dragging down the Status bar to check notifications, download updates, open messaging apps, access the Quick Settings menu, and more.

Open the Notification panel

1. Swipe down on the Status bar.



2. To check notifications, tap an item in the list.

Close the Notification panel

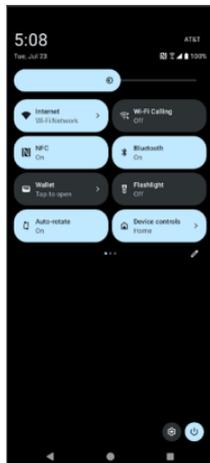
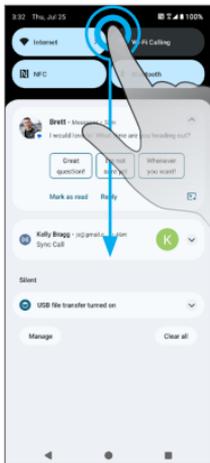
Swipe up to close the Notification panel, or tap the **Back** button ◀.

Notification panel layout

The Notification panel gives you access to both notifications and the Quick Settings menu.

To access the Quick Settings menu:

1. Swipe the Status bar down to display the Notification panel.
2. Swipe the Status bar down again to access the full Quick Settings menu.



Customize the Home screen

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

Operations for rearranging the Home screen

To move app shortcuts icons

From the Home screen, touch and hold an app shortcut, then drag it to the desired location.

To delete app shortcuts icons

From the Home screen, touch and hold an app shortcut, then drag it to



Remove at the top of the screen to delete from the Home screen.

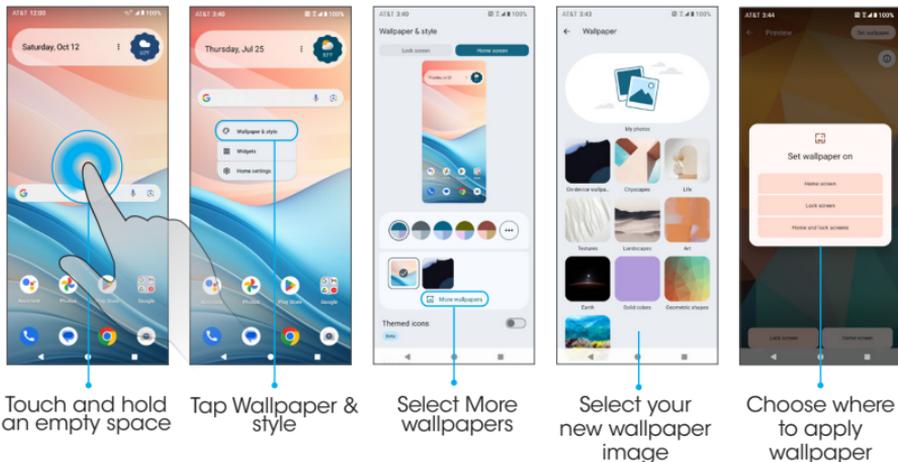
To display the Home screen menu

From the Home screen, touch and hold an empty space to display the Home screen menu. Change wallpapers and adjust other Home screen settings from the Home screen menu.

Change the wallpaper

1. From the Home screen, touch and hold an empty space, then tap **Wallpaper & 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** .

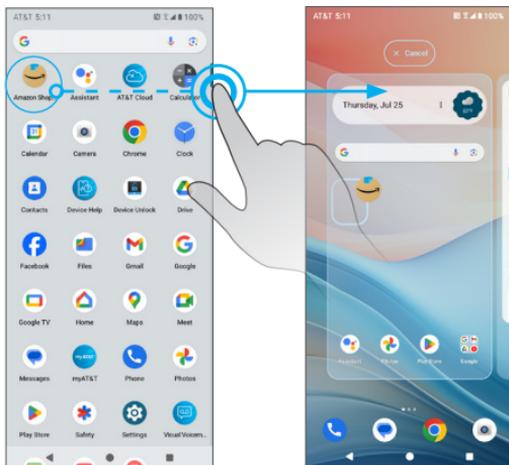


2. Choose to select the wallpaper from your **My photos** or standard wallpapers preloaded on the phone.
3. Select your new wallpaper, and tap **Set wallpaper** on the top right and choose to set the wallpaper on the Home screen, Lock screen, or both.

Add shortcuts to the Home screen

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

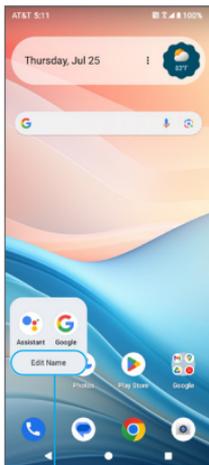
1. From the Home screen, swipe up to access **Apps**.
2. Touch and hold an app icon, then drag to move it.
3. Drag the icon to an empty location on one of the Home screens. The shortcut will be added to the Home screen.
4. To cancel drag it to **Cancel** at the top of the screen.



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.



Tap Edit Name



Enter a Folder Name

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.

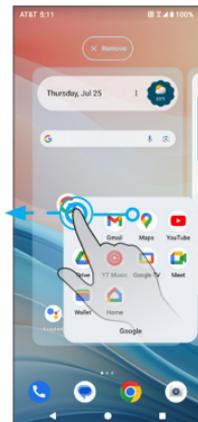
1. Tap the folder to open it.
2. Tap the folder name, type a new name, and then tap .

Remove folder

1. 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.





Making connections

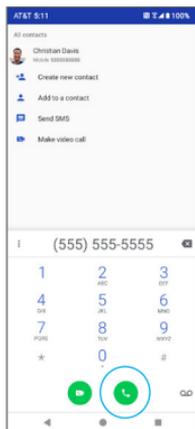
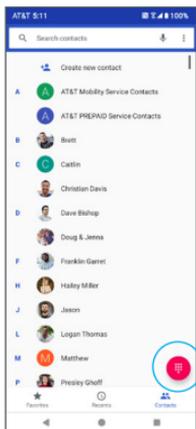
The topics in this section will explain how to help you make connections, from phone calls and maintaining contacts, to text messages, email, Internet, and international services.

Phone

Make a call

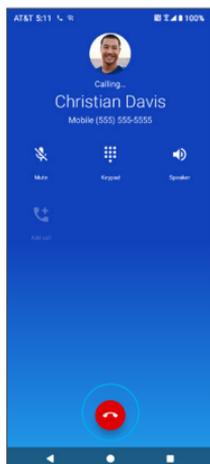
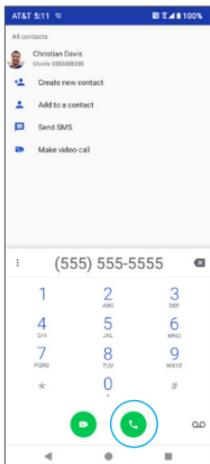
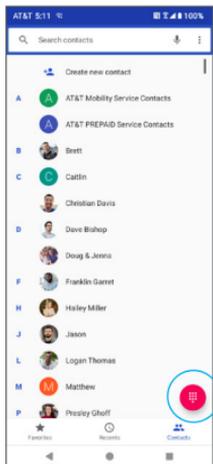
From the Home screen, tap **Phone** .

- Make a call by selecting one of the following options:
 - Tap the **Keypad** , enter a phone number and tap **Call** .
 - Choose a recently called contact in **Recents** .
 - Choose a saved contact in **Contacts** .
 - Choose a favorite contact in **Favorites** .
- 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 call with Wi-Fi Calling

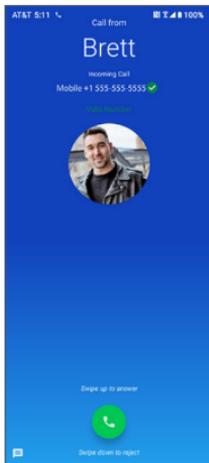
1. From the Home screen, tap **Phone** .
 2. If the keypad does not appear on the screen, tap  to open it. Enter a phone number in the keypad to make a call.
 3. Tap  to make the call.
 4. During a call, you can tap  at the bottom of the screen to hang up.
- Calls can also be made from other apps that contain your contact information by simply tapping the phone number.



Note: You must have an active Wi-Fi connection to send or receive calls and messages with Wi-Fi Calling. Wi-Fi Calling service must be activated on the device before it can be used.

Receive a call

The Incoming Call screen is displayed when a call is received, along with the caller's numbers 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.

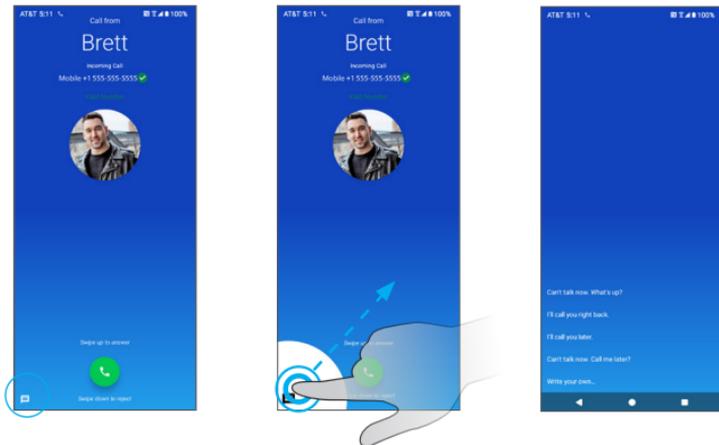


- To answer a call, swipe up .
- To reject a call, swipe down .
- Rejected calls will be sent to voicemail.
- Press any side key to mute the ringer.
- Any missed calls are logged in **Recents** .

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, hold  and 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.



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

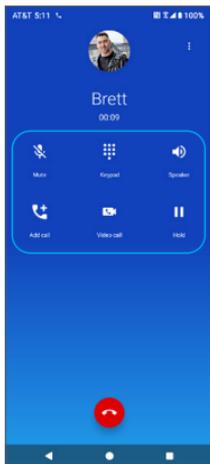
You can edit the preset quick responses from the Call Settings menu. From the Phone app, tap **Menu**  > **Settings** > **Quick responses**. Tap **Message** to edit or create your own quick response.

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

On-screen options

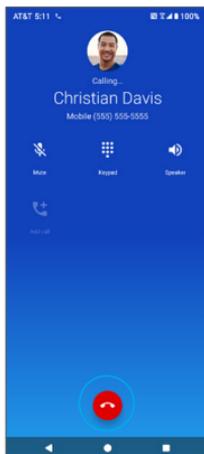
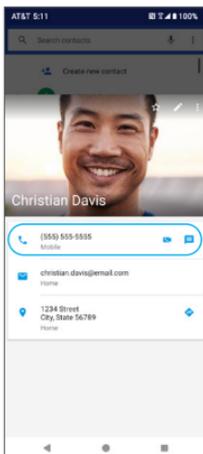
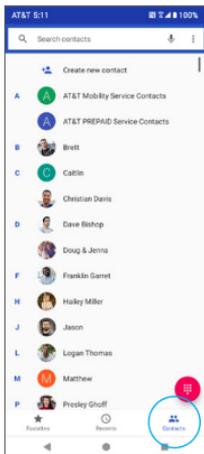
	Item	Description
	Overflow Menu	Tap and select Switch to RTT to send the caller a Real-time text during a call.
	Speaker	Tap to turn the speakerphone on or off. Warning: Because of higher volume levels, do not place the phone near your ear during speakerphone use.
	Mute	Mute the microphone during an 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.
	End call	End the current call.
	Merge	Join two currently active calls (conference).

	Swap	Swap the calls.
	Bluetooth	<p>Route the phone's audio through a connected Bluetooth headset.</p> <ul style="list-style-type: none"> When the call is routed to a Bluetooth headset, the current call area shows the Bluetooth call icon (. <p>Note: The Headset button is activated to show the current call is routed to the connected Bluetooth headset.</p> <ul style="list-style-type: none"> To route the current call back to the phone, tap Phone to temporarily use the phone. Tap the Bluetooth headset name to route the call back to the connected Bluetooth headset. When Bluetooth or the Bluetooth headset is turned off, the call will be routed through either the receiver or speaker.
	Video call	Tap to initiate a two way video call.
	Hangup holding	Hang up on calls that are on hold.
	Hangup all	Hang up all active calls.

Place a call from Contacts

You can place phone calls directly from your Contacts list.

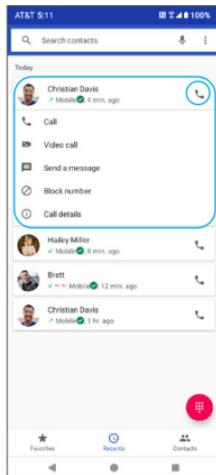
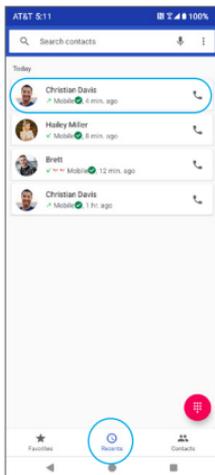
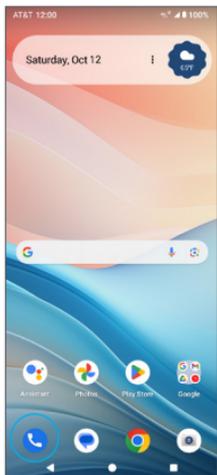
1. From the Home screen, tap **Phone** .
2. Tap **Contacts**  to display the Contacts list.
3. Tap a contact.
4. Tap a contact's number to place a call.
5. To end the call, tap .



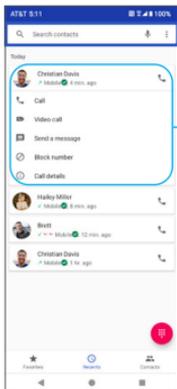
Call from Recents

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

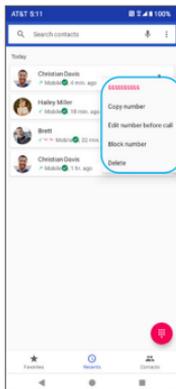
1. From the Home screen, tap **Phone** .
2. Tap **Recents**  to display the Call Log.
3. Tap a recent call to display a list of options.
4. Tap  to place a call.



- You can tap a contact in the Call Log to display more options.
 - Call:** Make a call to the selected contact number.
 - Video call:** Make a video call to the selected contact number.
 - Send a message:** Send a text message to the contact/number.
 - Block number:** Block the selected number from future contact.
 - Call details:** View detailed call information.
- You can press and hold a contact in the Call Log to display additional options.
 - Copy number:** Copy the selected number.
 - Edit number before call:** Make changes to the selected number before making a call.
 - Block number:** Block the selected contact number.
 - Delete:** Delete the call from **Recents**.



Tap a contact to display options



Press and hold a contact to display additional options

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.

Call settings options

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 62 for more information.
Calls	Set Fixed Dialing Numbers, call forwarding, call barring, and more.
Blocked numbers	Manage numbers and contacts you have blocked.
Voicemail	Set up voicemail, manage notifications, and more.

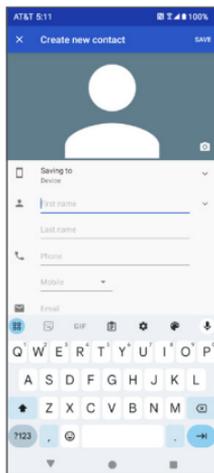
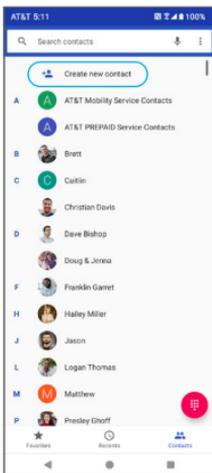
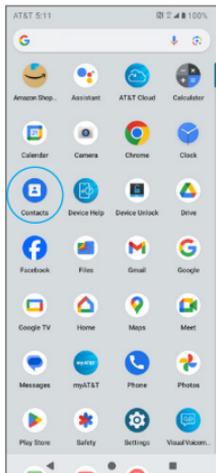
Accessibility	Configure RTT settings, enable or disable hearing aid compatibility, and enable or disable noise reduction.
About	View more information about your phone.

Contacts

Add a contact

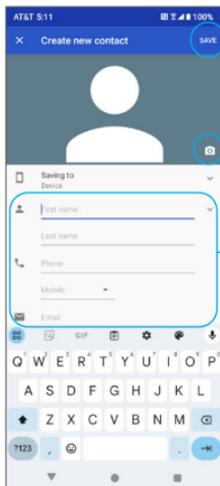
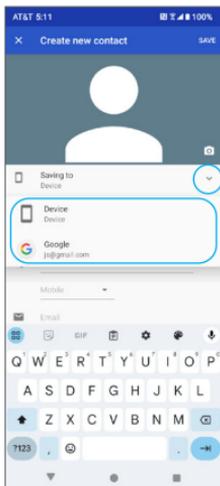
You can add contacts from the Phone app. Enter details such as name, phone numbers, email addresses, mailing addresses, and more.

1. From the Home screen, swipe up and tap **Contacts** .
2. Tap  to add a contact.



Note: You can also add a new contact from the phone contact screen. From the Home screen, tap **Phone**  > **Contacts**  > **Create new contact**  at the top of the screen.

3. 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.



Tap to
add photo

Add contact
information

4. Use the keyboard to enter information.

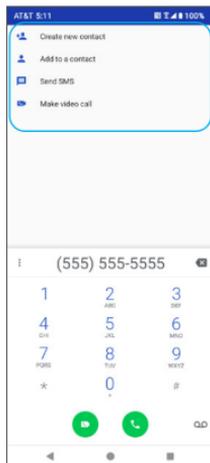
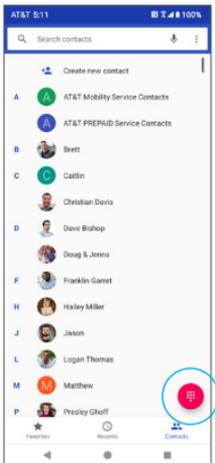
Note: To select a type (label) for a phone number, email address or postal address (such as Mobile, Home, Work, etc.), tap the arrow and select the appropriate type.

5. When you are finished, tap **SAVE** to save the contact.

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.



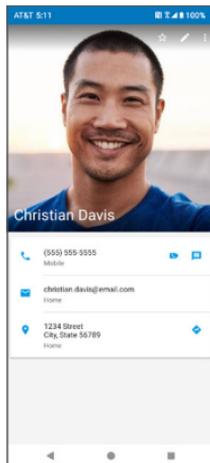
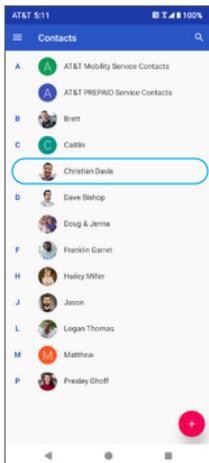
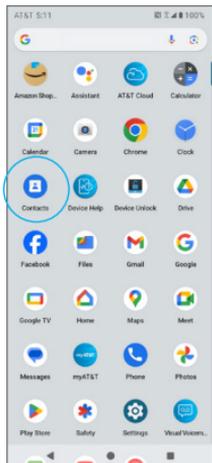
3. To add the number to an existing contact, tap the contact you want to update and add the number to the desired field. To add a new contact, enter the name and any additional information.
4. Tap **SAVE** to save.

View contacts

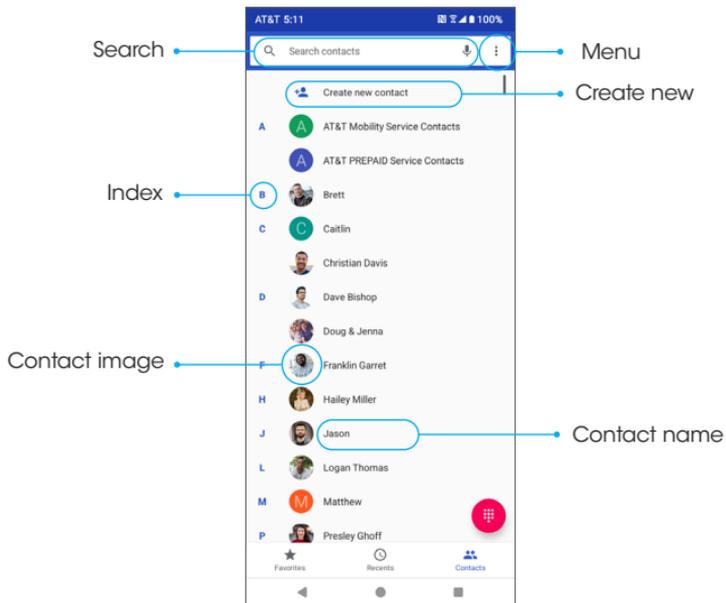
View a contact's details.

1. From the Home screen, swipe up and tap **Contacts** .

2. Tap a contact to view their details.



Contacts screen layout



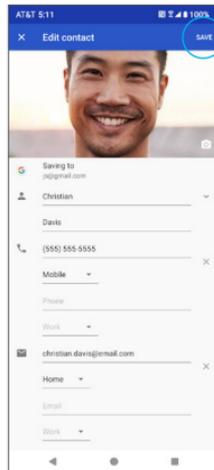
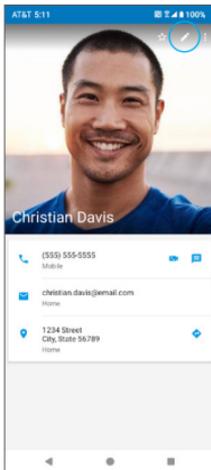
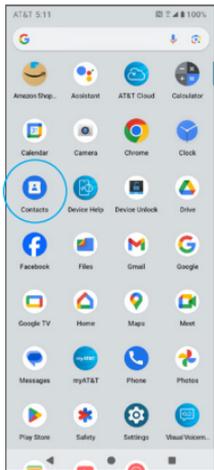
Contacts screen options

Item	Description
Create new contact	Add a new contact.
Contact	Tap to show contact's details, place a call, send a message, and more.
Index	Browse contacts alphabetically.
Menu	View your contacts by labels or accounts, and adjust settings.
Search	Search contacts.

Edit a contact

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

1. From the Home screen, swipe up and tap **Contacts** .
2. Tap a contact to view their details.
3. Tap **Edit** .



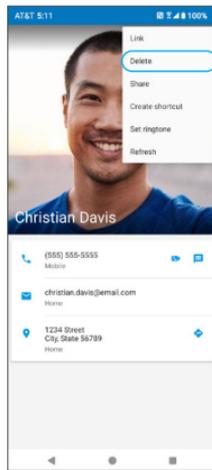
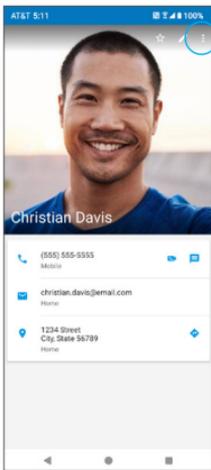
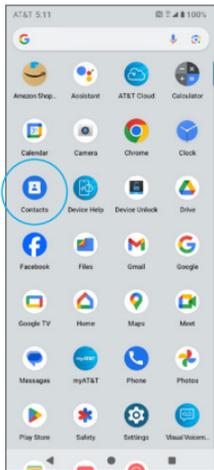
4. Tap the field you want to change or add.
5. Add or edit the information, and then tap **SAVE** to save.

Note: To select a category for a phone number, email address, or postal address (such as Mobile, Home, Work, etc.), tap the arrow near the field.

Delete a contact

You can delete a contact from the contacts details page.

1. From the Home screen, swipe up and tap **Contacts**  .
2. Tap a contact to view its details.
3. Tap **Menu**  > **Delete**.

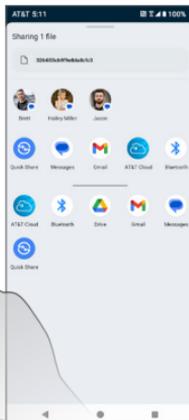
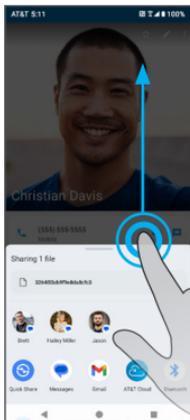
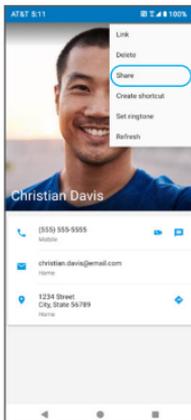
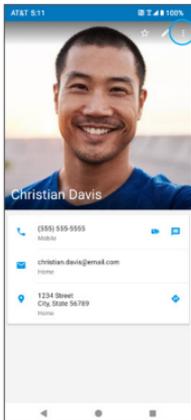


4. Tap **DELETE**.

Share a contact

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

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



- **Gmail:** Send the vCard as a Gmail attachment. See [“Create and send an email message” on page 87](#) for more information on sending emails.
- **Messages:** Send the vCard in a text message. You can send the information in an existing conversation thread, or create a message for a new conversation thread. See [“Send a multimedia message \(MMS\)” on page 81](#) for more information about sending messages.
- **Bluetooth:** Send the vCard via Bluetooth. See [“Bluetooth” on page 97](#) for information on pairing and sending via Bluetooth.
- **Quick Share:** Send the vCard to Android devices near you via Quick Share. See [“Quick Share” on page 153](#) for information.

Messages

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

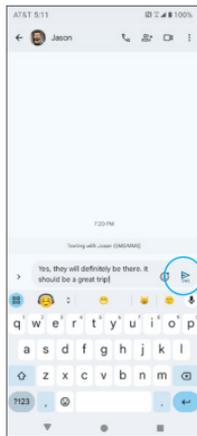
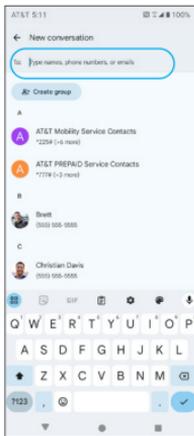
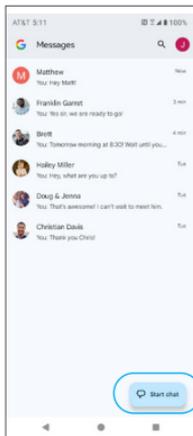
Text and multimedia messages

- 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 messaging.

Send a text message (SMS)

1. From the Home screen, tap **Messages** .
2. Tap **Start chat** .
3. 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 select Contact Groups as recipients.
4. 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.

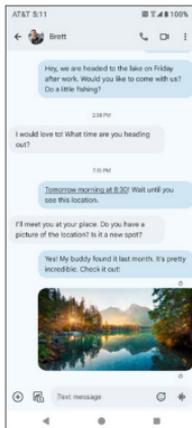
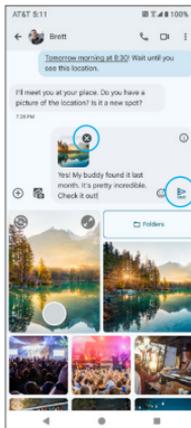
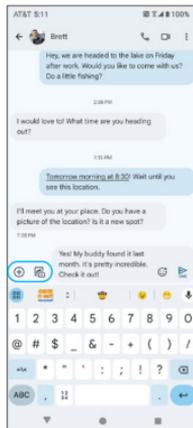
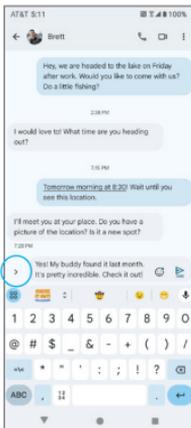
5. When done, tap **Send** to send the text message.

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 Home screen, tap **Messaging** .

2. Tap **Start chat** .



3. Fill in one or more recipients. See ["Send a text message \(SMS\)" on page 80](#) for more information on entering recipients.
 4. Tap the text box to compose your message.
 5. Tap **Add** > to the left side of the text box.
 6. Select a multimedia item to attach to your message:
 - **Camera or Picture** 📷 : Take a photo, record a video, or select a saved photo or video.
 - **File** (+) : Select from saved Files, GIFs, Location, Contacts and more.
 - **Audio** 🎤 : Record and send a voice recording.
- Note:** Attachment options may vary.
7. After adding an attachment, you can tap to view it, and tap ✕ to delete the attachment.
 8. Tap **Send** ➤ to send the MMS message.

SMS and MMS options

1. From the Home screen, tap **Messaging** .
2. Tap **Your Profile**  in the top right-hand corner and select **Messages settings**. You can set the following:
 - **RCS chats:** View and manage your RCS chat features.
 - **Turn on RCS chats:** Use Wi-Fi or data for messaging when available.
 - **Send read receipts:** Let others know you've read their message.
 - **Show typing indicators:** Let others know when you're typing.
 - **Automatically resend as text (SMS/MMS):** Switch from RCS chats if a message can't send.
 - **Auto-download files you receive over mobile data:** Files up to 100MB will automatically download.
 - **Auto-download files while roaming:** Files received while roaming will automatically download. Charges may apply.
 - **Learn more about RCS chats:** Tap to learn more about Rich Communication Services.
 - **Notifications:** Enable or disable notification icons when messages are received. Under the **Notifications** category you can set the following:
 - **All Messaging notifications:** View your messaging notifications setting.
 - **All "Default settings" notifications:** Enable or disable all default notifications.
 - **Incoming messages:** Enable or disable sound or vibration alerts on your device by toggling between **Default** or **Silent**.
 - **Background tasks:** Enable or disable background tasks.
 - **Other notifications:** Enable or disable sound or vibration alerts for other notifications by toggling between **Default** or **Silent**.
 - **Allow notification dot:** Enable or disable alert notification dots.

- **Bubbles:** Allow bubbles to appear over apps with new notifications. Choose All conversations can bubble, Selected conversations can bubble, or Nothing can bubble.
- **Send photos faster:** Resolution is reduced for faster sending.
- **Hear outgoing and incoming message sounds:** Enable or disable outgoing message sounds.
- **Pinch to zoom conversation text:** Enable or disable the ability to zoom conversation text.
- **Show expressive animations:** Enable or disable expressive animations.
- **Choose theme:** Choose the visual appearance of your **Messages** app screen.
- **Message organization:** View messages by category.
- **Your current country:** Set your current country or choose Automatically detect.
- **Suggestions:** Smart Reply, suggested actions & more.
- **Automatic previews:** Google scans select information like places or links from your chat history without identifying you to create all previews and identify harmful content. Choose to Show all previews, Show only web link previews, or Only download data on Wi-Fi.
- **Spam protection:** Enable or disable spam protection.
- **Swipe actions:** Choose Archive Swipe right or Archive Swipe left.
- **Advanced:** View and manage advanced settings.
 - **Group messaging:** Choose to send a SMS reply to all recipients and receive individual replies (mass text) or send a MMS reply to all recipients (group MMS).
 - **Auto-download MMS:** Enable or disable the ability to automatically retrieve and download incoming MMS messages.

- **Use simple characters:** Enable or disable the conversion of special characters in your SMS messages.
- **Show iPhone reactions as emoji:** Enable or disable iPhone react emoji.
- **Wireless emergency alerts:** View current and past emergency alerts.
- **SIM card messages:** View SIM card messages.
- **Phone number:** View your phone number.
- **SMSC:** View your SMSC number.
- **Help improve Messages:** Allow smart features to learn over time. Your conversations stay on your device while privacy-preserving technology combines information from you and many other participants. This lets Google improve Messages features for everyone.
- **About, terms & privacy:** View your Privacy Policy and Terms of Service.

Text messages menu options

1. From the Home screen, tap **Messaging** .
2. Tap a message and tap **Menu**  in the top left to access the following:
 - **Add people:** Tap to add additional contacts to your conversation.
 - **Details:** View details of the chat.
 - **Notifications:** View chat notifications.
 - **Block & report spam:** Block a number from further contact and report it as spam.
 - **Add people:** Add additional contacts to the chat.
 - **Starred:** View and manage starred messages. To star a message, open the **Messages** app. Open the conversation that has the message you want to star. Tap and hold the message you want to star. Tap the star symbol in the top right.

- **Search:** Tap to open a search box where you can view images sent and received, and locate key words or phrases within the conversation.
- **Archive:** View all archived messages. To archive a chat, open the **Messages** app. Tap and hold the conversation you want to archive. Tap the archive symbol in the top right.
- **Delete:** Tap to delete the entire conversation. This action cannot be undone.
- **Block & report spam:** View and manage spam and blocked messages. To block and report a number as spam, open the **Messages** app. Tap and hold the conversation you want to block and report. Tap the block symbol in the top right. Check the box next to **Report spam** and tap **OK**.
- **Show subject field:** View and populate a subject line in messages.
- **Help & feedback:** Tap to view popular help resources or search help.

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 41](#) for details on signing in or creating an account.

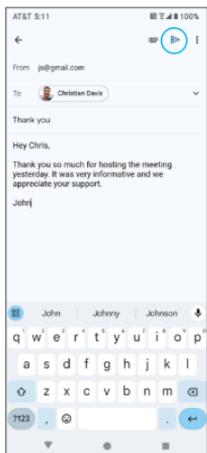
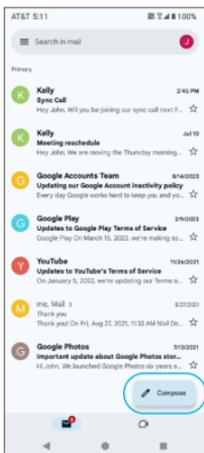
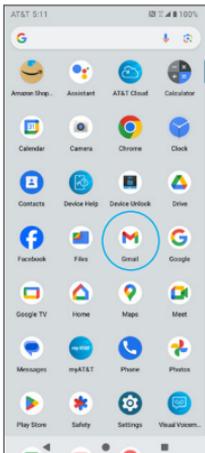
Note: You can use the Gmail app to manage email for other accounts, such as Yahoo!, Hotmail, Outlook, and more.

Create and send an email message

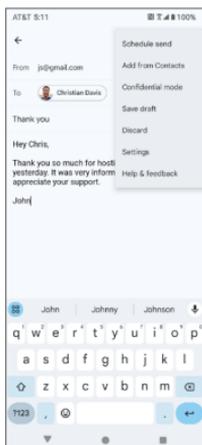
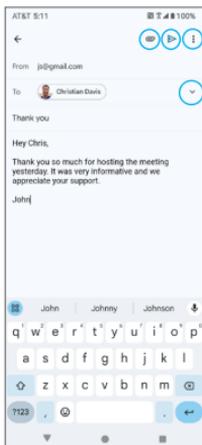
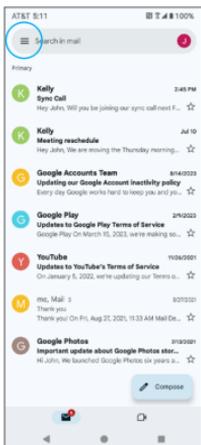
1. From the Home screen, tap the **Google folder > Gmail** .

Tip: You can also access Gmail by swiping up on the Home screen.

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**.

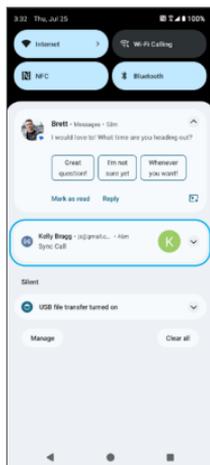
Note: View your drafts and sent mail from the inbox by tapping  > **Drafts** or  > **Sent**.

Open an email message from a notification

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

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

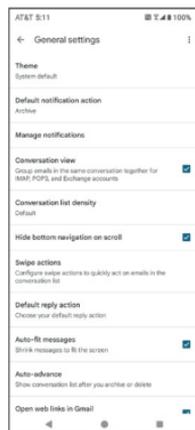
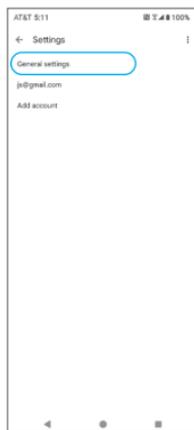
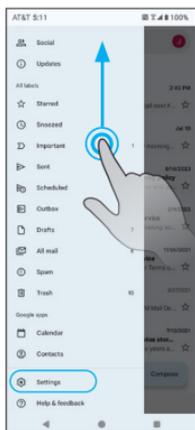
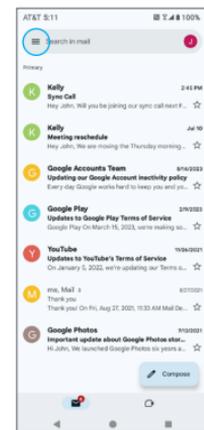
If you have two or more new email messages, tapping the notification will open the Gmail app.



Email settings

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

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



Note: Available settings are subject to change.

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, Duo, 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 bookmark of 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 Facebook.

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, IR connectivity, and more.

Transfer files between your phone and a computer

You can use the USB cable to connect your phone directly to your computer and transfer music, photos, and other content files.

For example, if you have a music album stored on your computer that you want to transfer to your phone, you can attach your phone to the computer and copy the files to the music folder.

File transfer tips

If you want to save data to an SD card on your phone, make sure the SD card is installed and active. For more information, see ["Install a SIM/SD Card" on page 17](#).

Important: Avoid removing the SD card while transferring data.

Data exchange may use the methods outlined in the following table:

Method	Description
File Transfer	Transfer files between your phone and PC such as photos, videos, and music.
USB tethering	Share an Internet connection on the phone or tablet with another device.
MIDI	Connect your device to a computer or musical device with MIDI (Musical Instrument Digital Interface).
PTP	Transfer photo and video files between your phone and PC.

Transfer files between the phone and a computer

1. Connect your phone to your computer using the USB charging cable.

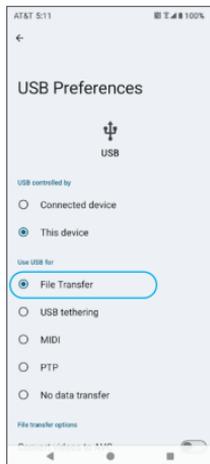
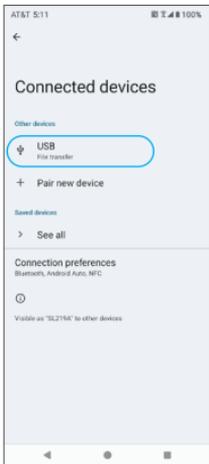
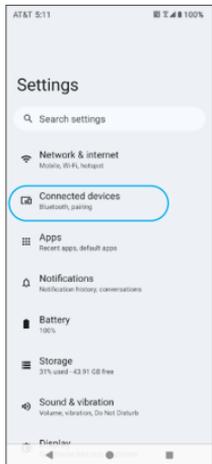


- Insert the Type-C end of the cable to the USB charging and accessory port at the bottom of the phone.
- Insert the other end (Type-A end) of the cable into an available USB port on your computer. You may need to remove the USB cable from the AC adapter to access it.

2. Drag the Status bar down to display the Notification panel. You will see **Charging this device via USB.**

3. To transfer files from your phone to your computer:

- From the Home screen, swipe up to access **Apps** and tap **Settings** .
- Tap **Connected devices**  > **USB**.
- 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 completed, 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**  > **Wi-Fi**.
3. Slide the Wi-Fi switch to the **On**  position.
4. Wi-Fi is enabled. Tap **Wi-Fi** to see the names and security settings of in-range Wi-Fi networks.
5. To disable Wi-Fi, slide the Wi-Fi switch to the **Off**  position.
6. 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 139](#).

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. Bluetooth communication range is approximately 30 feet.

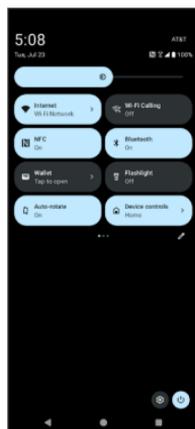
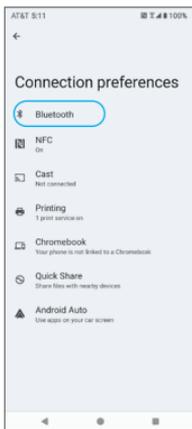
The following table describes different options and functions available with certain Bluetooth accessories.

Function	Description
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

To 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 Bluetooth switch to the **On**  position.
 - You can also access Bluetooth from Quick Settings menu. Slide the Status bar down twice.
 - To disable Bluetooth, slide the Bluetooth switch to the **Off**  position.



Note: Turning on Airplane Mode disables all network features including calling, messaging, mobile data, Wi-Fi, and Bluetooth. To continue to use Wi-Fi and Bluetooth, turn them on in Settings or in the notification panel.

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

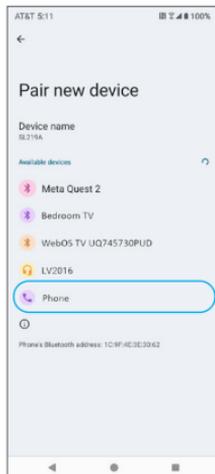
Pair Bluetooth devices

To pair Bluetooth devices

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

2. Tap **Connected devices**  > **Pair new device**.

- Nearby devices will appear under Available devices.
- If a target device is not detected, ensure that the device is powered on and is discoverable, then tap **Refresh** to search again.

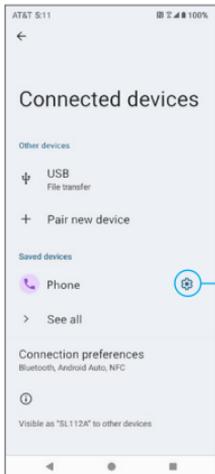


3. Tap a device under Available devices and follow the on-screen instructions to pair with the device.

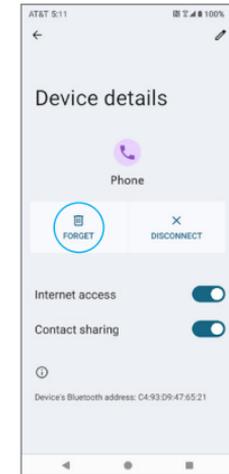
- Methods to accept a Bluetooth connection differ depending on the devices being used.

To forget a paired device

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices** .
3. Tap **Settings**  next to the device you wish to forget.
4. Tap **FORGET** > **FORGET DEVICE**.
 - The device will be unpaired from your phone. To reconnect with the device, you will need to pair again.

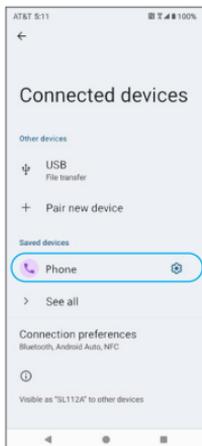


Tap Setting Icon



Connect to a paired Bluetooth device

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



When the device is connected to your phone, the Bluetooth Paired icon  will be displayed in the Status bar. You can then use the headset or car kit to listen to music or make and receive phone calls.

Note: Noise may be experienced with wireless calls and hands-free calls. Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth-compatible devices.

Send information via Bluetooth

You can 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.

See [“Share pictures and videos” on page 115](#), and [“Share a contact” on page 79](#).

Receive information via Bluetooth

1. When another device attempts to send a file to your phone via Bluetooth, you will see a request to accept the file.
2. Tap **ACCEPT** to receive the file.
 - When your phone receives a file, you will see a notification. To download the file immediately, drag the Status bar down to display the Notification panel, and then tap the notification. Select the file you wish to open from the Inbound transfers menu.
 - Media files and documents are usually opened directly in a compatible app. For example, if you received and opened a photo, it will open in the **Photos**  app.
 - For a Calendar file, select the calendar where you want to save the event, and then tap **Import**. The Calendar is added to your Calendar events. For more information on using the Calendar, see [“Calendar” on page 116](#).
 - For a vCard contact file, if there are multiple vCard files on your storage card, you can choose to import one, several, or all of those contacts to your contacts list.

Tip: For more information on Bluetooth see [“Bluetooth” on page 150](#).



Apps and entertainment

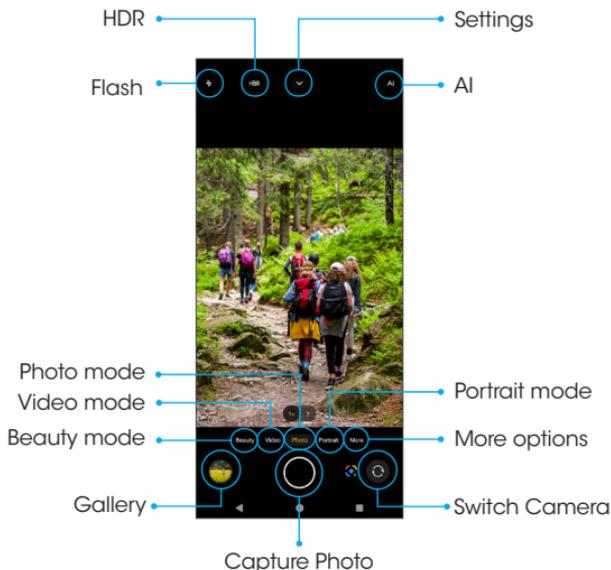
The topics in this section will explore the features that make your phone so much more than a phone, from the camera and productivity apps to music, entertainment, and more.

Camera and video

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

Camera overview

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



Icon		Function/Service
	Settings	Access and set settings options.
	Google Lens	Search what you see using your camera.
	HDR	Activate or deactivate High Dynamic Range boost mode for clearer, more vivid photos.
	Flash	Activate or deactivate the camera flash.
	Photo mode	Capture photos and access camera settings.
	Video mode	Record videos and access video settings.
	Beauty mode	Smooths imperfections and brightens facial features.
	Portrait mode	Take a photo that keeps your subject sharp with a blurred background.
	Night mode	Illuminate your photos. Night mode uses multi-frame processing to combine 8 images into one clear photo.

	Icon	Function/Service
	Pro mode	Allows you to manually adjust the shutter speed, ISO, white balance, and more.
	Time-lapse	Take a series of still images of the same frame at regular intervals over a period of time, then play through the entire sequence rapidly.
	Gallery	View the last photo or video taken.
	Capture	Capture a photo.
	Switch	Switch between the front and back cameras.

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

Take photos and record videos

The following topics explain how to take photos and record videos with your phone's camera.



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 to expose the lens to direct sunlight for long periods, as this can affect the color filter and distort the color of photos and videos.

Take a photo

Note: If you have an SD card installed, 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.

1. From the Home screen, tap **Camera** .

Tip: 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** key twice quickly.
- From the Lock screen, swipe up from the bottom right corner of the screen.

2. Tap **Photo** to switch to Photo mode, if necessary.

3. Aim the camera at your subject and tap  to take the photo.

Record a video

1. From the Home screen, tap **Camera** .

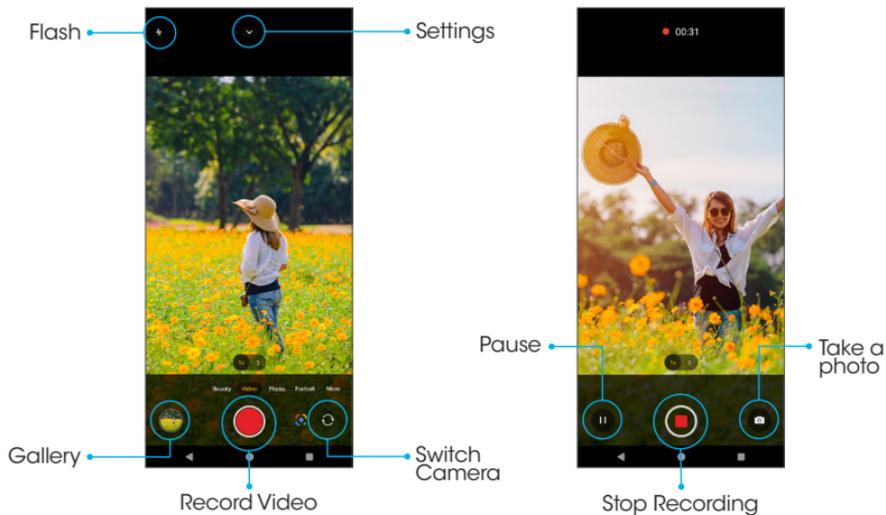
Tip: You can also access the camera in one of the methods described under ["Take a photo" on page 107](#).

2. Tap **Video** to switch to Video mode.

3. Aim the camera at your subject and tap  to start recording a video.

- Tap  to take a photo while recording.

4. Tap  to stop recording and save your video.



Camera settings

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

Set camera functions

1. From the Home screen, tap **Camera** .

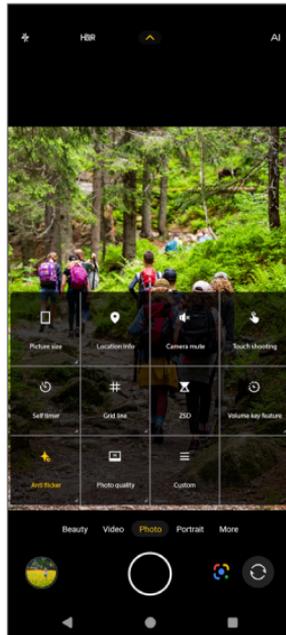
Tip: You can also access the camera in one of the methods described under ["Take a photo" on page 107](#).

2. Tap **Settings**  to view and/or set the following:

- **Picture size:** Choose your picture size ratio.
- **Location info:** Enable or disable the saving of location information.
- **Camera mute:** Tap to enable or disable the shutter sound when taking a picture.
- **Touch shooting:** Tap to enable or disable screen touch to take a photo.
- **Self timer:** Tap to set a self timer. Choose between a 3, 5, or 10 second delay. Tap again to disable.
- **Grid line:** Enable or disable the grid line setting.
- **ZSD:** Tap to set a zero shutter delay. Upon pressing on the shutter, the camera app will take the picture immediately with no delay.
- **Volume key feature:** Tap to set the function of the volume key. Choose Volume, Shutter, or Zoom.
- **Anti flicker:** Select the anti flicker setting. Choose auto, 50Hz or 60Hz.
- **Photo quality:** Tap to set the quality of the photos your camera will take. Choose High, Standard, or Low.

- **Custom:**

- Customize a camera sound.
- Reset: Tap to restore camera default settings.



View pictures and video using Photos

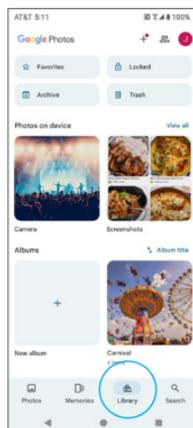
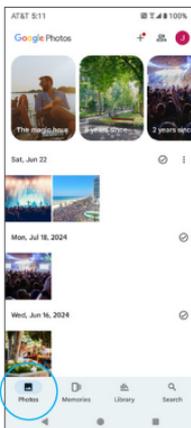
Using the **Photos**  app, you can view photos and watch videos that you've taken, downloaded, or copied onto your storage card or phone memory. For pictures that are on your storage card or phone memory, you can do basic editing such as rotating and cropping. You can also easily assign a photo as your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

View photos and videos

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

Tip: You can also access the Photos app by swiping up on the Home screen to access **Apps** and tapping **Photos**  .

2. Tap an image or a video to view.



Review photos and videos

After capturing a photo or video, tap the thumbnail image at the bottom left corner of the screen to review it. From there, you can share, edit, or delete the photo or video.

Options while reviewing photos or videos

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.

Viewing videos: Use the on-screen controls to play, pause, or stop the video playback.



Edit photos

Rotate and save a photo

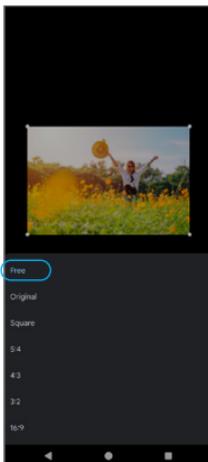
1. From the Home screen, tap **Photos**  .
2. Tap the photo you want to rotate.
3. Tap **Edit**  > **Crop** > **Rotate**  .
4. Tap **Save** and choose:

- **Save as copy**: The rotated photo is saved in the album as a copy and the original photo will remain unedited.
- **Save**: The rotated photo will be saved over the original image.



Crop a picture

1. From the Home screen, tap **Photos** .
2. Tap the photo you want to crop.
3. Tap **Edit**  to access the Edit screen.
4. Tap **Crop**. A box appears with cropping size ratio options.
5. Choose your size ratio option and a box appears on the photo.
6. To adjust the crop box size, drag the corners inward or outward to resize the crop box.
7. Tap **Save**. Choose to **Save** to save over the original or **Save as copy** and the cropped photo is saved in the album as a copy. The original photo will remain unedited.



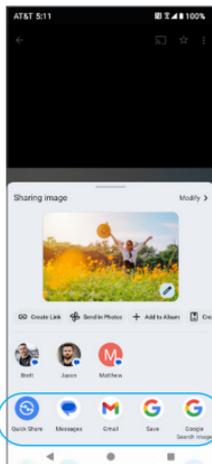
Share pictures and videos

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 Home screen, tap **Photos** .
2. 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.

3. Tap **Share** , then select to share using Create link, Quick Share, Facebook, Bluetooth, Gmail, Messages, or another app. 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.

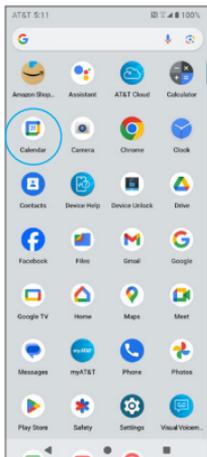
Calendar

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 41](#) 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.

Schedule View



Day View



3 Day View



Week View

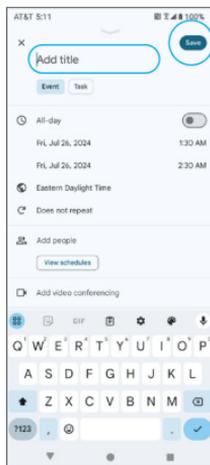


Month View



Add an event

1. From the Home screen, swipe up to access **Apps** and tap **Calendar** .
2. Tap **Add**  to add an event.
3. Enter event details, and then tap **Save**.



View calendar events

1. From the Home screen, swipe up to access **Apps** and tap **Calendar** .
2. Tap a date and an event to view the details.



Edit an event

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

Delete an event

1. From the Home screen, swipe up to access **Apps** and tap **Calendar**  .
2. Tap a date and an event to view the details.
3. Tap **Options**  > **Delete** to delete the event.

Calendar settings

1. From the Home screen, swipe up to access **Apps** and tap **Calendar**  .
2. Tap **Menu**  > **Settings** > **General**.
3. Tap an option to adjust Calendar settings.

Navigation apps

Your phone offers a number of location-based navigation programs to help you figure out where you are and get you where you're going.

Enable location services on your phone

Before using any location-based services, you must enable your phone's location feature. For information about setting your phone's location options, see ["Location" on page 190](#).

Maps

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

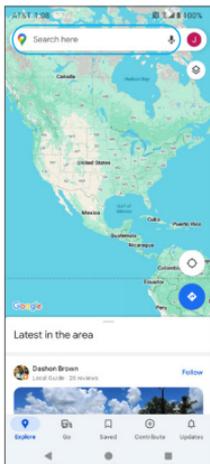
Search for destinations

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** .

Tip: You can also access the Google Maps app from the Google folder on the Home screen.

- If prompted, follow the on-screen instructions to accept terms of use.

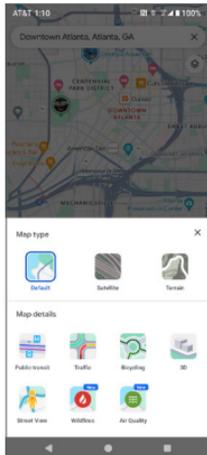
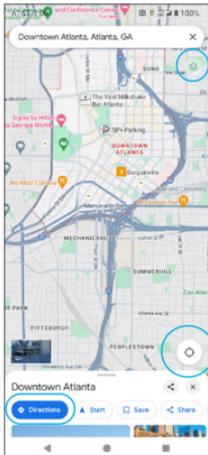


2. Tap **Search here**.

3. Enter an address, city, facility name, etc., then choose a search result. You will see your location on the map.

Maps operations

- **View current location:** Tap  to find your current location on the map.
- **Select map types for different views:** Tap **Menu**  and select a map view such as traffic, satellite, etc.
- **Find a route to your destination:** Tap **Go** , enter your desired start location and destination, tap a method of transportation (car, public transit, or on foot), then tap the **Start** button in the bottom left corner for step-by-step directions to your destination via the Navigation for the Google Maps app.



Google Search

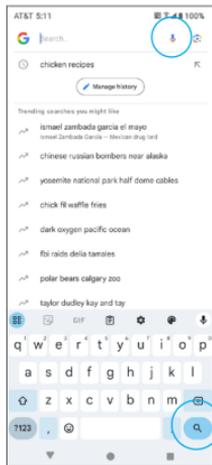
Search for information saved on the phone, in apps, and on the Internet.

Use Google Search

1. From the Home screen, tap the Google Search bar.

Tip: You can also access Google Search by swiping up on the Home screen to access **Apps** and tapping **Google** , or from within the Google folder.

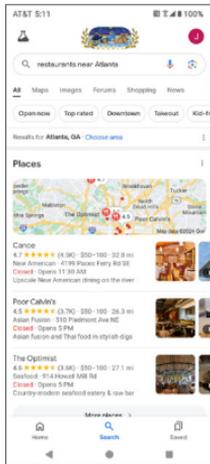
2. Type your search keywords and tap **Search** . To search by voice, tap Google Voice Search  in the search bar and say your search terms.



Use Google Voice Search

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

1. From the Home screen, swipe up to access **Apps** and tap **Google** .
2. Tap **Google Voice Search** .
3. Say your search terms and search results will appear.



Calculator

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

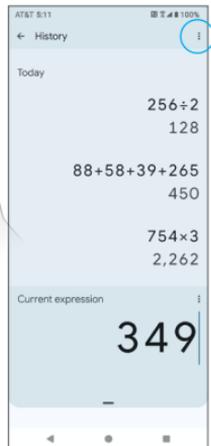
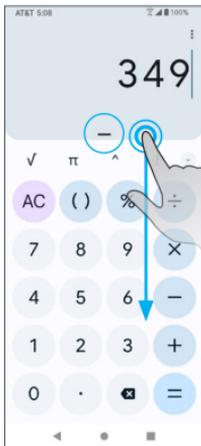
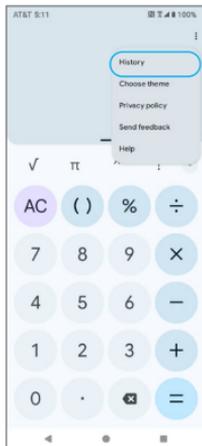
1. From the Home screen, swipe up to access **Apps** and tap **Calculator** .



2. Enter the first number.
3. Tap a mathematical function key, then enter the second number.
4. Tap  to view the result.
5. Tap  to clear the results.

View calculator history

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



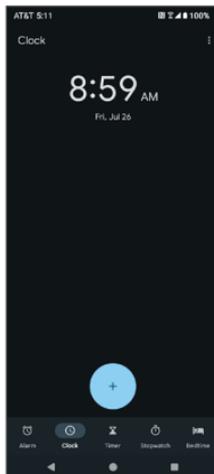
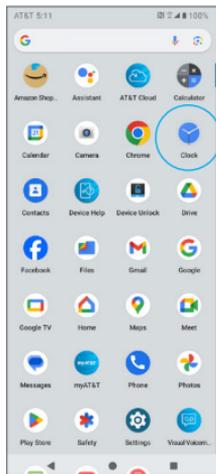
Clock

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

Set the date and time manually

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

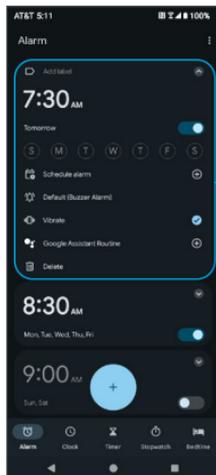
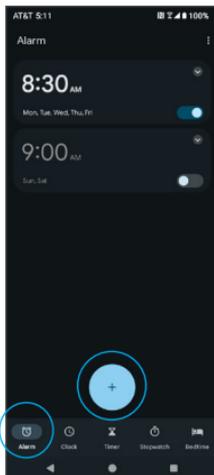
1. From the Home screen, swipe up to access **Apps** and tap **Clock**  .



2. Tap **Menu**  > **Settings** > **Change date & time** > **Automatic time zone** and slide the switch to the **Off**  position to disable.
3. Set the date and time manually.

Create a new alarm

1. From the Home screen, swipe up to access **Apps** and tap **Clock** .
2. Tap **Alarm** .
3. Tap .
4. Set the time for the alarm and tap **OK**. You can also tap  to enter the time directly.
5. Set more alarm details, if desired.



Alarm options

Feature	Description
Add label	Enter a name for the alarm.
Repeat	Select the days to repeat the alarm.
Alarm sound	Select a sound to play for the alarm.
Vibrate	Activate alarm vibration.
Google Assistant Routine	Add alarm to your Google Assistant Routine.
Delete	Delete the current alarm.

Turn an alarm off

1. To turn an alarm off, Swipe the slider to the right.
2. To snooze the alarm for 10 minutes, Swipe the slider to the left.

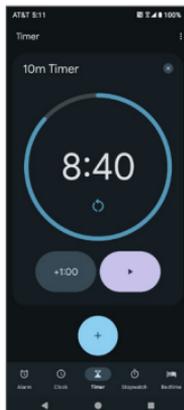
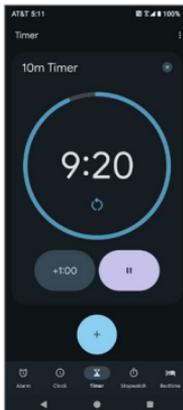
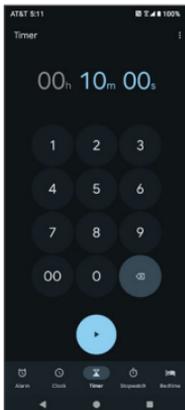


Delete an alarm

1. From the Home screen, swipe up to access **Apps** and tap **Clock** .
2. Tap the  next to the alarm you want to delete from the alarm list.
3. Tap **Delete**.

Timer

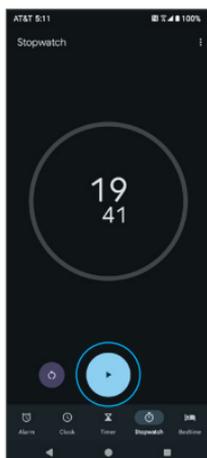
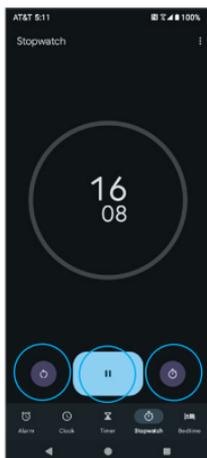
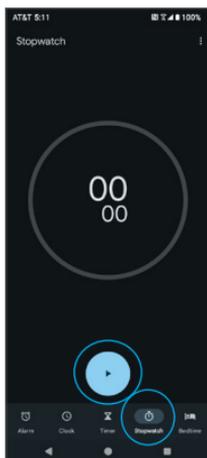
1. From the Home screen, swipe up to access **Apps** and tap **Clock** .
2. Tap **Timer**  to access the Timer screen.
3. Enter the amount of time into the Timer and tap  to begin timing.
 - Tap  to pause timing.
 - Tap  to resume timing.
 - Tap  to reset the timer back to zero.
 - Tap  to delete the timer.
 - Tap  to add one minute to the current timer.
 - Tap  to add another timer.
4. Swipe up and down to view other active timers.



Stopwatch

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

2. Tap **Stopwatch**  to access the Stopwatch screen.



3. Tap  to begin the stopwatch.

4. Tap  to stop the stopwatch.

- Tap  again to resume timing.
- Tap  to reset the stopwatch to zero.
- Tap  to add an additional stopwatch. The original stopwatch time will be stopped and recorded below the new one.

Entertainment and activities

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

YouTube

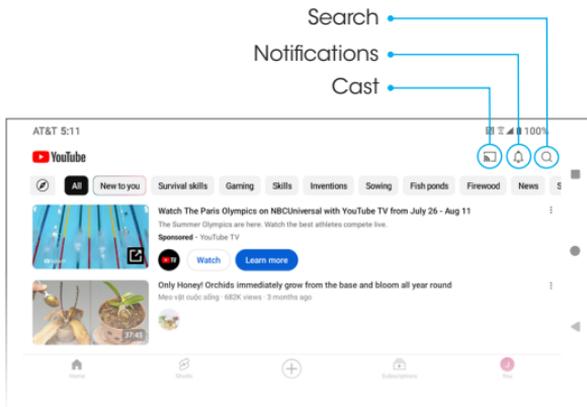
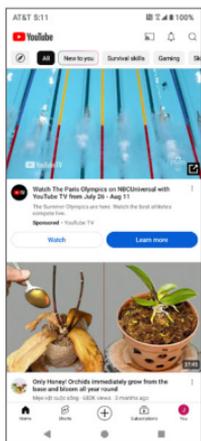
View videos uploaded to YouTube and upload your own videos.

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 site, follow 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

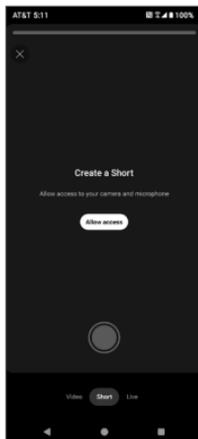
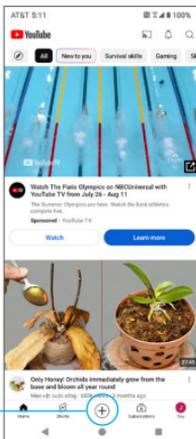
You can post videos to your YouTube account from your phone. Before posting, you must set up a YouTube account and sign in on your phone.

1. From the Home screen, swipe up to access **Apps** and tap **YouTube** .
2. Tap **Record/Post Video** .

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

3. 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.

Record/
Post video





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, Hotspot, VPN, airplane mode, and view data usage.
 Connected devices	Manage the settings on devices connected by Bluetooth, USB, etc.
 Apps	View your recently opened apps.
 Notifications	Manage settings for notifications, permissions, etc.
 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.

Category	Description
 Display	Set brightness, font size, screen timeout etc.
 Wallpaper & style	Set and manage wallpaper settings.
 Accessibility	Set accessibility options such as screen magnification, hearing aid compatibility, etc.
 Security & privacy	Turn on Find My Device, set screen lock methods, password settings, and Manage app permissions, set your account activity and personal data, etc.
 Location	View and manage apps using your location.
 Safety & emergency	Manage your emergency SOS, medical information and alerts.
 Passwords & accounts	Manage saved passwords, autofill, and synced accounts for 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.

Category	Description
 System	Set language and time, manage reset options, enable backup, check phone updates, and view more important information about your phone.
 About phone	View information about your device.

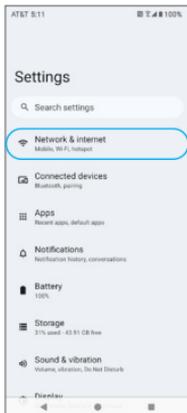
Network & internet

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** .



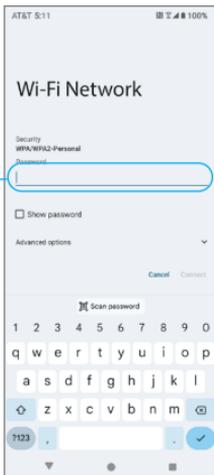
3. Tap **Wi-Fi**.

4. 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.

5. 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.

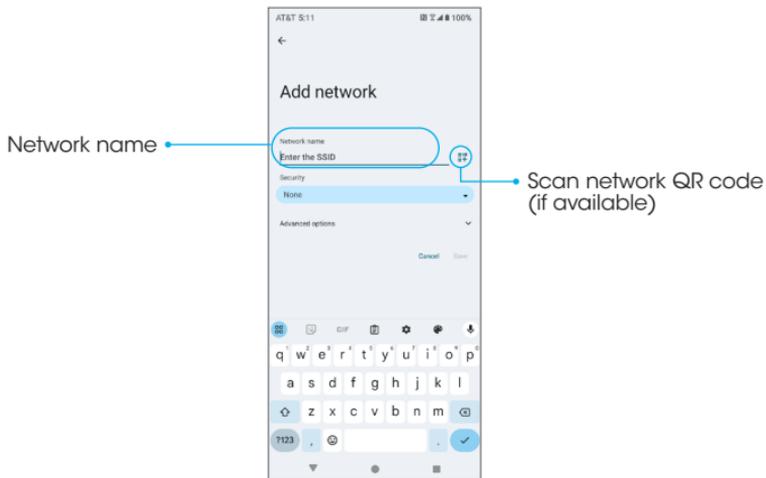
Wi-Fi Password



- 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 Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Wi-Fi**.
3. Slide the **Wi-Fi** switch to the **On**  position to turn it on.
4. Tap  **Add network**.
5. Enter the required information.



- **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 turn back on near high-quality saved networks, like your home network.
- **Notify for public networks:** Notify when a high-quality public network is available.
- **Passpoint:** Seamlessly connect 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

View your saved Wi-Fi networks.

Wi-Fi data usage

View and track your Wi-Fi data usage.

Wi-Fi Calling

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Wi-Fi Calling**.

- **Wi-Fi Calling:** 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.

- **Network preference:** Tap to choose **Wi-Fi preferred** or **Mobile network preferred**.

- **Emergency address:** Update your address to help emergency services find you if you call 911.
- **About Wi-Fi Calling:** Tap to view more information about Wi-Fi Calling.

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

Mobile network

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Mobile network**.

- **Mobile Data:** Slide the Mobile Data switch to the **On**  position to enable data access on your mobile network.
- **International Data Roaming:** Slide the switch to the **On**  position to enable international data roaming.
- **App data usage:** Tap to view data usage of each app on the mobile network.
- **Data warning & limit:** View the following data management options:
 - **Mobile data usage cycle:** Set the date the data usage cycle resets.
 - **Set data warning:** Slide the switch to the **On**  position to 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.

Note: Data usage measured by your phone is an approximate amount, and it may differ from the actual amount.

- **Set data limit:** Slide the switch to the **On**  position to enable data limits.

- **Data limit:** Set a data limit. Your phone will turn off mobile data when it reaches the limit set.
- **Video Call:** Slide the switch to the **On**  position to enable carrier video calling.
- **APN (Access Point Names):** Select or add APNs.
- **Mobile Network Diagnostics:** Slide the switch to the **On**  position to enable sending diagnostic data automatically to the provider to improve service.

Airplane mode

Disable all network communication.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Airplane mode**.
3. Slide the **Airplane mode** switch to the **On**  position to activate Airplane mode.

Note: You can also access Airplane mode by dragging the Status bar down twice, scrolling to the right and tapping Airplane mode.

SIMs

View and manage your SIM card. Slide the switch to the **On**  position to enable your SIM card.

Hotspot & tethering

Share your phone's internet connection with other devices.

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

Use your phone as a Mobile hotspot

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Hotspot & tethering** > **Wi-Fi hotspot**.
3. Slide the **Wi-Fi hotspot** switch to the **On**  position to activate the hotspot.
 - **Hotspot name:** Set the hotspot name.
 - **Security:** Turn hotspot security on or off.
 - **Hotspot password:** Tap to set a hotspot password.
 - **Manage devices:** Tap to manage connected devices or to connect a new device.
 - **AP Band:** Tap to choose 2.4 GHz Band or 5.0 GHz Band preferred.
 - **Turn off hotspot automatically:** Slide the switch to the **On**  position to turn off the hotspot automatically if no devices are connected.

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 USB Type-C cable before continuing to the next step.
2. From the Home screen, swipe up to access **Apps** and tap **Settings** .
3. Tap **Network & internet**  > **Hotspot & tethering** > **USB tethering**.
4. Slide the **USB tethering** switch to the **On**  position to enable USB tethering.

Bluetooth tethering

Share your phone's internet connection via Bluetooth.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet** > **Hotspot & tethering** > **Bluetooth tethering**.
3. Slide the **Bluetooth tethering** switch to the **On**  position to enable Bluetooth tethering.

Ethernet tethering

Share your phone's internet connection via Ethernet.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet** > **Hotspot & tethering** > **Ethernet tethering**.
3. Slide the **Ethernet tethering** switch to the **On**  position to enable Ethernet tethering.

Data saver

Reduce data usage by preventing some apps from sending or receiving data in the background. An app you are currently using can access data, but may do so less frequently.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **Data saver**.
3. Tap to slide the **Use Data Saver** switch to the **On**  position to enable the data saving feature.
 - **Unrestricted data:** Tap to set up apps that will function with unrestricted access to data at all times.

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 Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **VPN**.
3. Tap **+** in the top right corner of the VPN screen to add a VPN profile.
4. Follow the prompts to set up a VPN.

Edit and delete a VPN

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **VPN**.
3. Tap  next to a VPN.
4. Edit the VPN and tap **SAVE**, or tap **FORGET** to delete the VPN.

Connect to a VPN

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Network & internet**  > **VPN**.
3. Tap a VPN, enter your login information, and tap **CONNECT**.
 - To disconnect, tap the VPN, and tap **DISCONNECT**.

Private DNS

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

2. Tap **Network & internet**  > **Private DNS**.

3. Select your Private DNS mode.

Connected devices

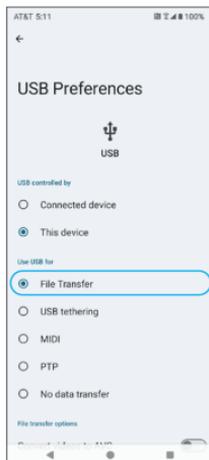
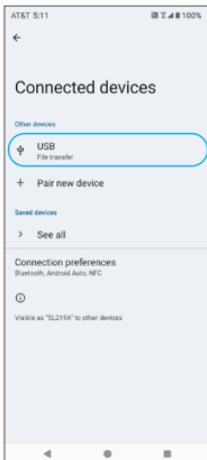
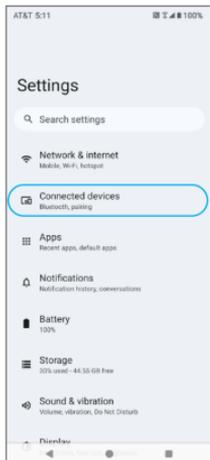
Manage settings for connected devices.

USB

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

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

2. Tap **Connected devices**  > **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 video to AVC:** Slide the switch to the **On**  position to convert videos to AVC.

Pair new device

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Pair new device**.
3. Pair with a device shown in the Available devices list.

Saved devices

- **See all:** Tap to view all saved devices.

Connection preferences

Manage various connection preferences.

Bluetooth

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

Activate Bluetooth

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Connection preferences** > **Bluetooth**.
3. Slide the **Bluetooth** switch to the **On**  position to turn it on.

Pair a Bluetooth device

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Connection preferences** > **Bluetooth**.
3. Tap  **Pair new device**.
4. Select the device you want to connect with in 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 paskey.

Rename a paired device

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices** .
3. Under **Saved devices**, tap **Settings**  next to a paired device name.
4. Tap **Edit** , enter a new name, and tap **RENAME** to save.

Disconnect from a paired device

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > Tap **Settings**  next to a paired device name, and tap **DISCONNECT**.

Search for other devices

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Connection preferences** > **Bluetooth** >  **Pair new device**.

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

Photos received via Bluetooth

1. From the Home screen, tap **Photos** > **Library** > **Download**.
2. Tap an item to open it.

Files received via Bluetooth

1. From the Home screen, swipe up to access **Apps** and tap **Files**.
2. Tap **Downloads**.
3. Tap an item to open it.

NFC

Allow data exchange when the phone touches another NFC-capable device.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Connection preferences** > **NFC**.
3. Slide the **NFC** switch to the **On**  position to turn it on.
4. Tap **Contactless payments** to select your default form of payment.

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 Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Connection preferences** > **Cast**.
3. Tap **Menu**  > **Enable wireless display**.
4. Tap device to connect.

Printing

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

Add printer

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Connected devices**  > **Connection preferences** > **Printing**.
3. Tap **Default Print Service**.
4. Slide the switch to the **On**  position to turn it on.

5. Tap **Menu**  > **Add printer**.

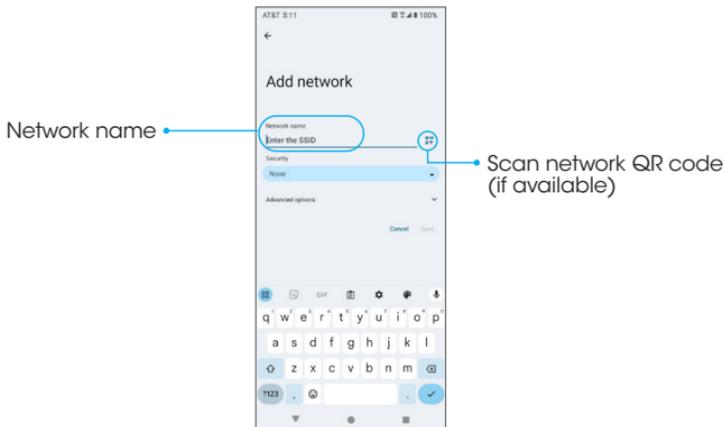
6. Tap an option to add a printer by IP address or by Wi-Fi Direct.

Chromebook

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

2. Tap **Connected devices**  > **Connection preferences** > **Chromebook**.

3. Tap to manage connections with your Chromebook.



Quick Share

Share files with nearby devices.

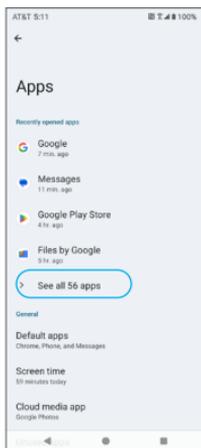
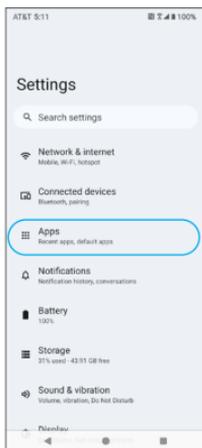
Android Auto

Use apps on your car screen.

Apps

View current running applications and manage notifications, permissions, and more.

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



Recently opened apps

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Apps**  > **See all apps** to view recently opened apps.
3. Tap an app to view detailed information. Tap **DISABLE** to disable this app, or tap **FORCE STOP** to stop this app.

Default apps

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Apps**  > **Default apps**.
3. Tap to set the default app for the browser, phone, messages, etc. You can also set default apps for opening links.

Screen time

Set timers for your apps to set daily timers for most apps. When the app timer ends, the app is paused for the rest of the day.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Apps**  > **Screen time**.
3. Tap the app you would like to set a timer for and then tap **App timer**.
4. Follow the prompts on the screen to complete the timer set up.

Unused apps

View and manage unused apps.

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

App battery usage

Set battery usage apps.

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

Special app access

1. From the Home screen, swipe up to access **Apps** and tap **Settings**  .
2. Tap **Apps**  > **Special app access**.
3. Tap to view app access for special functions, such as battery optimization, display over other apps, unrestricted data, usage access, etc.

Notifications

Manage notifications, permissions, and more.

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

Manage

- **App notifications:** Control notifications from individual apps.
- **Notification history:** Slide the switch to the **On**  position to enable notification history.

Conversation

- **Conversations:** Tap to set priority conversations.
- **Bubbles:** Slide the switch to the **On**  position to allow apps to show bubbles when a new notification is available.

Privacy

- **Device & app notifications:** Tap to control which apps and devices can read notifications.
- **Notifications on lock screen:** Tap to show conversations, default, and silent.

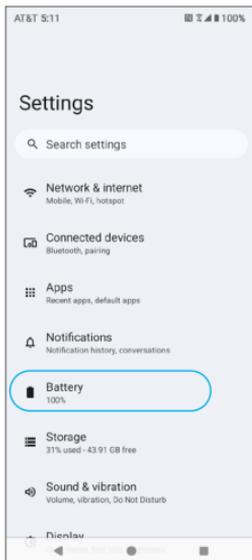
General

- **Do Not Disturb:** Tap to turn on and manage Do Not Disturb settings.
- **Flash notifications:** Tap to manage flash notification settings.
- **Wireless Emergency Alerts:** Tap to manage wireless emergency alert notification settings.
- **Hide silent notifications in status bar:** Slide the switch to the **On**  position to allow.
- **Allow notification snoozing:** Slide the switch to the **On**  position to allow.
- **Notification dot on app icon:** Slide the switch to the **On**  position to allow.
- **Enhanced notifications:** Slide the switch to the **On**  position to allow suggested actions, replies, and more.

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** .



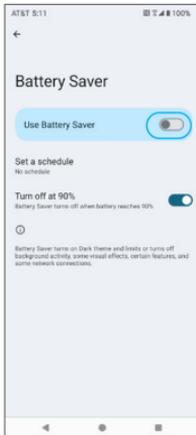
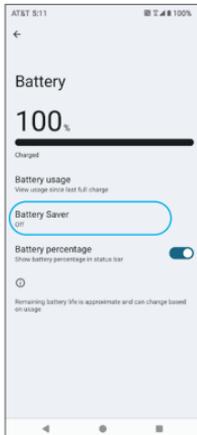
Battery Usage

Monitor the amount of battery being used by apps. If battery usage increases too much, your phone will suggest actions you can take.

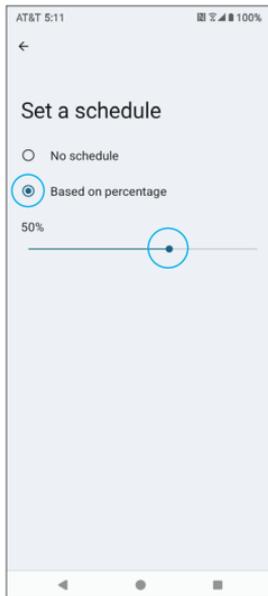
1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Battery** , then tap the Battery Usage to ensure apps are running normally.

Battery Saver

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Battery**  > **Battery Saver**.
 - Slide the switch to the **On**  position to **Use Battery Saver**. The **Battery Saver** will automatically turn off when the phone is plugged in and turn back on when the phone is unplugged.



- **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:** Slide the switch to the **On**  position to allow the **Battery Saver** to automatically turn off when the phone charges above 90%.



Battery percentage

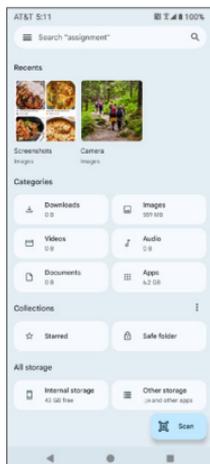
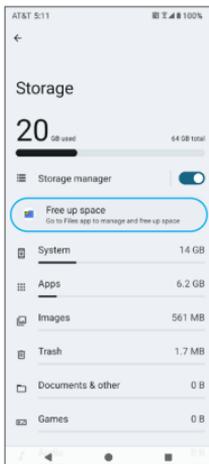
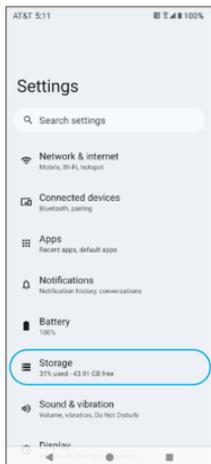
1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Battery**  > **Battery percentage**.
3. Slide the switch to the **On**  position to show the battery percentage in the Status bar.



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).

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Storage** .
3. Delete backed up files by tapping **Free up space**.



Storage manager

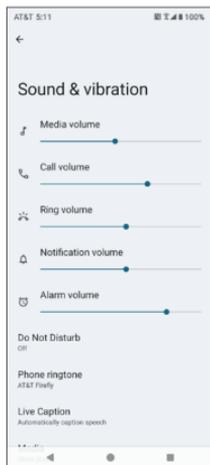
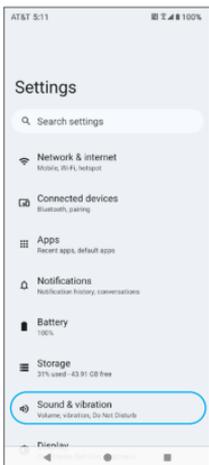
Storage manager removes backed up photos and videos from your device.

1. Slide the switch to the **On**  position to enable Storage manager.

Sound & vibration

The Sound settings menu lets you 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** .



Media volume

Drag the slider to adjust the media and alert notification volume.

Call volume

Drag the slider to adjust the call volume.

Ring volume

Drag the slider to adjust the ring volume.

Notification volume

Drag the slider to adjust the notification volume.

Alarm volume

Drag the slider to adjust the alarm volume.

Do Not Disturb

Tap to manage Do Not Disturb settings. Some notifications will be silenced when Do Not Disturb is turned on.

Phone ringtone

Select a ringtone for incoming phone calls. You can customize your own ringtone by tapping **+ Add ringtone**.

Live Caption

Automatically caption speech.

Media

Tap to show player and manage preferences.

- **Pin media player:** Slide the switch to the **On**  position to quickly resume playback, media player stays open in Quick Settings.
- **Show media on lock screen:** Slide the switch to the **On**  position to quickly resume playback. Media player stays open on lock screen.

- **Show media recommendations:** Slide the switch to the **On**  position to allow media suggestions based on your activity.

Vibration & haptics

Slide the switch to the **On**  position to Use vibration & haptics.

Default notification sound

Select the default notification sound. You can customize your own notification sound by tapping  **Add ringtone**.

Default alarm sound

Select the default alarm sound. You can customize your own alarm sound by tapping  **Add ringtone**.

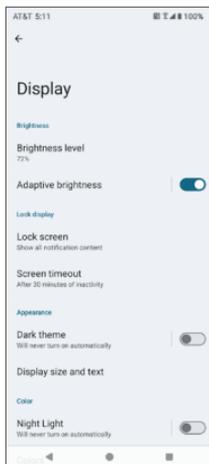
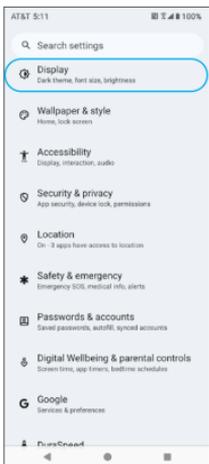
Other sounds and vibrations

- **Dial pad tones:** Slide the switch to the **On**  position to enable dial pad tones.
- **Screen locking sounds:** Slide the switch to the **On**  position to enable screen locking sounds.
- **Charging sound and vibration:** Slide the switch to the **On**  position to enable the charging sound and vibration.
- **Tap & click sounds:** Slide the switch to the **On**  position to enable tap and click sounds.
- **Always show icon when in vibrate mode:** Slide the switch to the **On**  position to always show icon 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

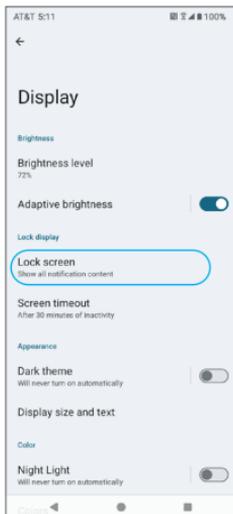
Tap to adjust the screen brightness level. Drag the slider to manually adjust the brightness level.

Adaptive brightness

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

Lock screen

Manage what will show on the lock screen.



Screen timeout

Tap to set screen timeout. Your screen will automatically go to sleep after the set amount of time.

Dark theme

Slide the switch to the **On**  position to enable Dark theme.

Display size and text

- **Font size:** Drag the slider to adjust the font size.
- **Display size:** Drag the slider to adjust the display size.
- **Bold text:** Slide the switch to the **On**  position to bold text.
- **High contrast text:** Slide the switch to the **On**  position to change the text color to black or white and maximize the contrast with the background.
- **RESET SETTINGS:** Tap to reset these settings to your device factory default.

Night Light

Tap to set a Night Light schedule and intensity. You can also enable automatic Night Light until sunrise.

Auto-rotate screen

Slide the switch to the **On**  position to enable screen rotation.

Screen refresh rate

- **Dynamic:** Balance smoothness and battery life with a max refresh rate of 90Hz.
- **High:** Refresh at up to 90Hz for highly smooth visuals. Uses more power.
- **Standard:** Save power by limiting the refresh rate to 60Hz.

Screen saver

Slide the switch to the **On**  position to use a screen saver.

Lift to wake

Slide the switch to the **On**  position to allow lift to wake. Your screen will turn on when you pick up your phone.

Tap to wake

Slide the switch to the **On**  position to allow tap to wake. Double-tap anywhere on the screen to wake your device.

Wallpaper & style

Change your device's wallpaper. See ["Change the wallpaper" on page 54](#) for details.

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

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** .

Device Help

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Device Help**.
 - **Use Device Help:** Slide the switch to the **On**  position to use device help.
 - **Device Help shortcut:** Slide the switch to the **On**  position to enable device help shortcut.

Switch Access

Control your device with switches.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Switch Access**.
 - **Use Switch Access:** Slide the switch to the **On**  position to use Switch Access.
 - **Switch Access shortcut:** Slide the switch to the **On**  position to enable switch access shortcut.
 - **Settings:** Manage switch access settings.

Select to Speak

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Select to Speak**.
3. Slide the switch to the **On**  position to enable the Select to Speak shortcut.

TalkBack

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **TalkBack**.
3. Slide the switch to the **On**  position to use TalkBack.

Display size and text

Tap to manage text and display settings.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Display size and text**.
 - **Font size:** Drag the slider to adjust the font size.
 - **Display size:** Drag the slider to adjust the size of the items on your screen.
 - **Bold text:** Slide the switch to the On position to bold text.
 - **High contrast text:** Slide the switch to the **On**  position to enable high contrast text display.

Color and motion

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

- **Color correction:** Tap and slide the switch to the **On**  position to use color correction.
- **Color inversion:** Tap and slide the switch to the **On**  position to use color inversion.
- **Dark theme:** Slide the switch to the **On**  position to activate dark theme. Dark theme will never turn on automatically.
- **Remove animations:** Slide the switch to the **On**  position to reduce movement on the screen.
- **Large mouse pointer:** Slide the switch to the **On**  position to make the mouse pointer more noticeable.

Extra dim

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Extra dim**.
3. Slide the switch to the **On**  position to dim the screen beyond your phone's minimum brightness.

Dark theme

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Dark theme**.
3. Slide the switch to the **On**  position to enable dark theme.

Magnification

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

- **Magnification shortcut:** Slide the switch to the **On**  position to enable zooming in on the screen by pinching or touching and holding.
- **Magnification type:** Switch between full and partial screen.
- **Magnification type:** Slide the switch to the **On**  position to enable magnification following text as you type.

Accessibility Menu

Control your device via large menu.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Accessibility Menu**.
3. Slide the switch to the **On**  position to enable the Accessibility Menu shortcut. When the shortcut function is turned on, you can lock your phone, control volume and brightness, take screenshots, and more.

Timing controls

Adjust the settings for the Touch & hold delay, Time to take action, and Autoclick.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **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. When enabled, you can drag the slider to adjust the amount of time between the mouse stopping and the click.

System controls

Adjust the settings for the System navigation, Power button ends calls, and Auto-rotate screen.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **System controls**.
 - **System navigation:** Set the system navigation to Gesture navigation or 3-button navigation.
 - **Power button ends calls:** Enable ending calls by pressing the **Power** key.
 - **Aut-rotate screen:** Enable or disable screen rotation. [See "Portrait and landscape screen orientation" on page 26](#) for more information.

Vibration & haptics

Enable or disable ring, notification, and touch feedback vibration.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Vibration & haptics**.
3. Slide the switch to the **On**  position to use **Vibration & haptics**.
 - **Ring vibration:** Tap to turn Ring vibration **On**  or **Off** .
 - **Vibrate first then ring gradually:** Tap to turn this setting **On**  or **Off** .
 - **Notification vibration:** Tap to turn Notification vibration **On**  or **Off** .
 - **Alarm vibration:** Tap to turn Alarm vibration **On**  or **Off** .
 - **Touch feedback:** Tap to turn Touch feedback **On**  or **Off** .
 - **Media vibration:** Tap to turn Media vibration **On**  or **Off** .

Live Caption

Enable or disable captions. You can also set caption display language, text size, and caption style.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Live Caption**.
3. Slide the switch to the **On**  position to Use Live Caption.
 - **Languages:** Tap to manage caption languages.
 - **Caption Preferences:** Tap to set the text size and caption style settings.
 - **Hide profanity:** Slide the switch to the **On**  position to hide profanity.
 - **Show sound labels:** Slide the switch to the **On**  position to include sounds like laughter, applause and music.
 - **Live Caotion in volume control:** Slide the switch to the **On**  position to enable live caption in volume control.

Caption preferences

Enable or disable captions. You can also set caption display language, text size, and caption style.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Caption preferences**.
 - **Show captions:** Slide the switch to the **On**  position to show captions.
 - **Caption size and style:** Tap to set the text size and caption style settings.
 - **More options:** Tap to manage Language.

Real-Time text (RTT) Call Button

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **RTT Call Button**.
3. Manage RTT call options.
 - **RTT operation mode:** Tap to set RTT preferenced.
 - **Visible during calls:** Allow access to the RTT call button during calls.
 - **Always visible:** Always allow access to the RTT call button, and to turn the transcript of history on and off.

Audio description

Slide the switch to the **On**  position to hear a description of what is happening on screen in supported movies and shows.

Flash notifications

Flash the camera light or the screen when you receive notifications or when alarms sound. Tap to manage flash notifications settings.

Hearing devices

Tap to view all hearing aid devices paired to your phone. If you have not yet paired hearing aids, follow the prompts on the screen to pair new hearing aids.

Audio adjustment

Quickly access accessibility features.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Audio adjustment**.
 - **Mono audio:** Enable combining channels when playing audio.

- **Audio balance:** Drag the slider to adjust the audio balance from the left to right speaker.

Accessibility shortcuts

Quickly access accessibility features such as TalkBack, which is a built-in screen reader.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Accessibility shortcuts**.
 - **Accessibility button:** Quickly access accessibility features from any screen.

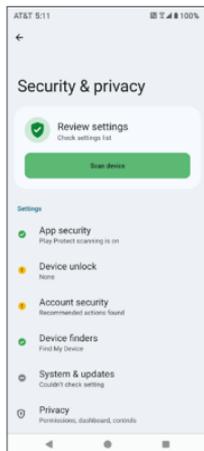
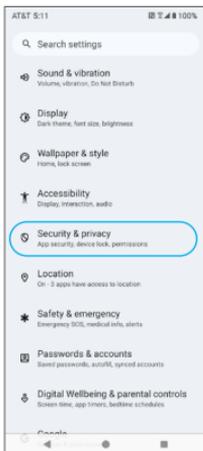
Text-to-speech output

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Accessibility**  > **Text-to-speech output**.
 - **Preferred engine:** Tap to set the text-to-speech engine (Google is default). Tap  to manage text-to-speech settings.
 - **Language:** Tap to set the language for using 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.

Security & privacy

The Security & 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 **Security & privacy** .



App security

Google Play Protect

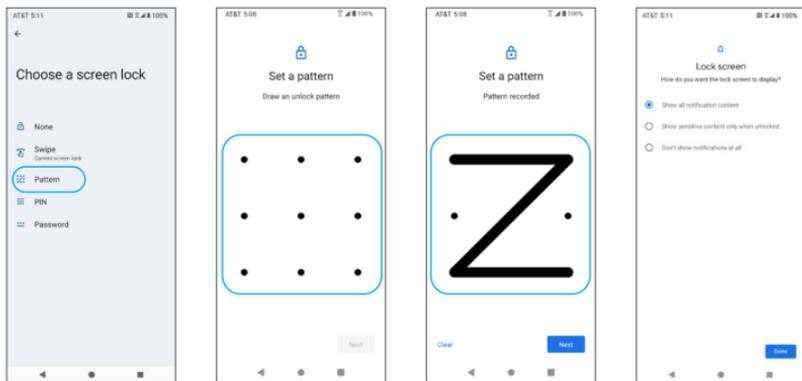
Google will regularly check your device and prevent/warn you of potential harm. Only apps from Play Store will be checked.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **App security** > **Google Play Protect**.
 - Tap **Scan** to start scanning your device for harmful apps.
 - Tap **Settings**  in the top right of the screen to view Play Protect settings:
 - Slide the **Scan apps with Play Protect** switch to the **On**  position to enable regular scanning for harmful apps on your device.
 - Slide the **Improve harmful app detection** switch to the **On**  position to enable sending unknown apps to Google for better detection.

Device unlock

Screen lock

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **Device unlock** > **Screen lock**.
 - **None:** Disable any screen lock.
 - **Swipe:** Tap to set swipe to unlock.
 - **Pattern:** Tap to set an unlock pattern. Follow the prompts to finish the settings.



- **PIN:** Tap to set a PIN code as the screen unlock method.
- **Password:** Tap to 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.

3. 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.
- **Automatically lock:** Tap to set an automatic lock timer.
- **Power button instantly locks:** Slide the switch to the **On**  position to activate instant lock with the power button.

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

Face & Fingerprint Unlock

Tap to use Face Unlock and choose your backup screen lock method.

1. From the Home screen, swipe up to access **Apps** and tap **Settings**  .
2. Tap **Security & privacy**  > **Device unlock** > **Face & Fingerprint Unlock**.
 - **Pattern + Face + Fingerprint:** Tap to set an unlock pattern. Follow the prompts to finish the settings.
 - **PIN + Face + Fingerprint:** Tap to set a PIN code as the screen unlock method.
 - **Password + Face + Fingerprint:** Tap to set a password as the screen unlock method.

Account security

Google Security Checkup

Tap to use Google Security Checkup.

1. From the Home screen, swipe up to access **Apps** and tap **Settings**  .
2. Tap **Security & privacy**  > **Account security** > **Google Security Checkup**.
 - **Sign-in & recovery:** Add ways to verify it's you. These can be useful to make sure it's really you signing in or if there's suspicious activity in your account.
 - **Safe Browsing:** Turn on enhanced safe browsing for your account. Get faster, more proactive protection against dangerous websites, downloads, and extensions when you're signed in.
 - **Your devices:** Add a screen lock on your Android. A screen lock protects the emails, messages, photos, and other personal info that you keep on your phone.

- **Recent security activity:** View recent activity on your device including sign in information and secure your account if you notice suspicious activity.
- **Gmail settings:** View and manage blocked email addresses.

Password Checkup

Check security of passwords saved to your Google Account.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **Account security** > **Password Checkup**.

Device finders

Find My Device

Find My Device helps you locate your device remotely, keeping your data safe in the event that your phone is lost.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **Device finders** > **Find My Device**.
3. Slide the switch to the **On**  position to Use Find My Device.
 - There are several methods available to locate your device.

Unknown tracker alerts

When alerts are on, you'll get a notification if an unknown tracker is detected traveling with you. Alerts are deleted after 48 hours.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **Device finders** > **Unknown tracker alerts**.

3. Slide the switch to the **On**  position to Allow alerts.

- Tap **Scan now** to initiate a Manual scan to check for trackers near you right now that are separated from their owner.

System & updates

Security update

Check for new software updates for your device.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **System & updates** > **Security update**.
3. Tap **Check for update** to check for the latest updates.

Google Play system update

Check for new software updates for your device.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **System & updates** > **Google Play system update** to initiate an automatic scan for available updates
3. If updates are available, tap **Download & install** to download and install the latest security update from Google.

Backup

Check for new software updates for your device.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **System & updates** > **Backup**.

Privacy

Permission manager

Control permissions for apps that use your data.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **Privacy** > **Permission manager**.

Privacy dashboard

View permissions for apps that use your camera, location, microphone, contacts, storage, etc.

Ads

Tap to control advertising ID and personalization.

Health Connect

Tap to manage app access to health data.

Data sharing updates for location

Tap to review apps that changed the way they may share your location data.

Camera access

Slide the switch to the **On**  position to allow camera access for all apps and services.

Microphone access

Slide the switch to the **On**  position to allow microphone access for all apps and services.

Show clipboard access

Slide the switch to the **On**  or **Off**  position to turn it on or off. When turned on, a message will show when apps access text, images, or other content you've copied.

Show passwords

Slide the switch to the **On**  or **Off**  position to turn it on or off. Display characters briefly as you type passwords.

Location access

Slide the switch to the **On**  position to allow location access for all apps and services.

Activity controls

Choose the activities and information you allow Google to save.

More security & privacy

Notifications on lock screen

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

Show media on lock screen

Slide the switch to the **On**  position to quickly resume playback, media player stays open on lock screen.

App content

Slide the switch to the **On**  position to allow apps to send content to the Android system.

Android System Intelligence

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

Autofill service from Google

Autofill your information from your Google account.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **Autofill service from Google**.
3. Slide the switch to the **On**  position to use autofill with Google.

Usage & diagnostics

Share data to help improve Android.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **Usage & diagnostics**.
3. Slide the switch to the **On**  position to enable Usage & diagnostics.

Extend Unlock

Unlock your device automatically in certain conditions. For more information about Smart Lock, tap **Menu** > **How it works** or **Help**.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **Extend Unlock**.
 - **On-body detection:** Tap and slide the switch to the **On**  position to activate. Your device will now be kept unlocked while it is on you.

- **Trusted places:** Tap to add a trusted location where the device can remain unlocked.
- **Trusted devices:** Tap to add a second device that keeps your device unlocked when it is nearby.

Android Safe Browsing

Get alerts about threats from dangerous websites.

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **Android Safe Browsing**.
3. Slide the switch to the **On**  position to use live threat protection.

Device admin apps

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **Device admin apps**.
3. Enable or disable device admin apps according to your preference.
 - **Device Help:** Slide the switch to the **On**  position to use Device Help.
 - **Find My Device:** Slide the switch to the **On**  position to allow Find My Device to lock or erase a lost device.

SIM lock

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **SIM lock**.
 - Slide the **Lock SIM** switch to the **On**  position to enable SIM card lock.

SIM lock will require you to enter a PIN to use your device.

- Tap **Change SIM PIN** to change the PIN code.

Encryption & credentials

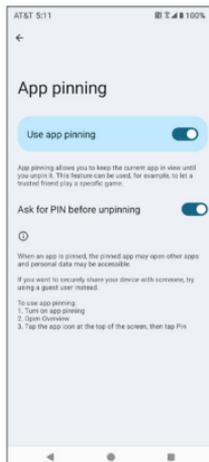
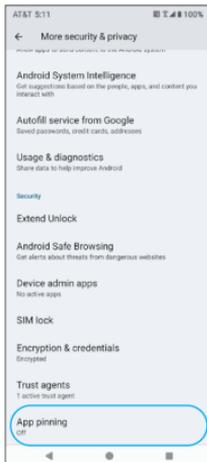
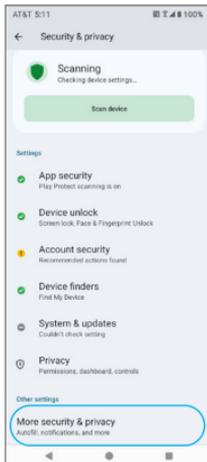
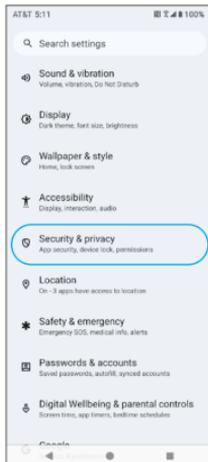
1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **Encryption & credentials**.
 - **Encrypt phone:** Your phone is already encrypted.
 - **Trusted credentials:** Tap to view trusted security certificates.
 - **User credentials:** Tap to view and modify stored credentials.
 - **Install a certificate:** Tap to install certificate from SD card.
 - **Clear credentials:** Tap to remove all certificates.
 - **Certificate management app:** Tap to view.

Trust agents

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **Trust agents**.
3. View your trusted agents. Slide the switch to the **On**  or **Off**  position to turn them on or off.

App pinning

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Security & privacy**  > **More security & privacy** > **App pinning**.
3. 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.



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 use location 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

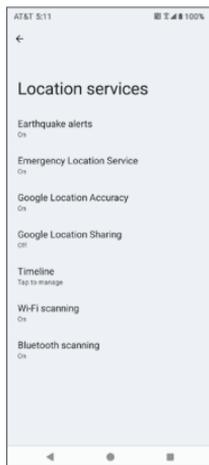
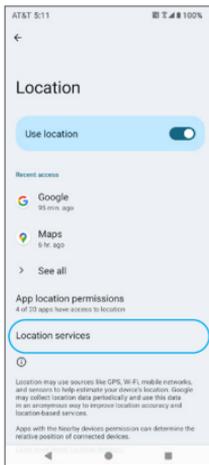
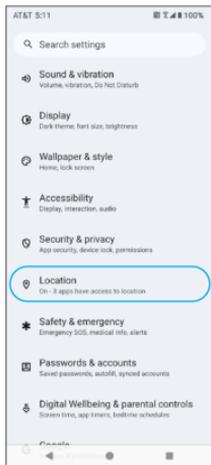
Tap to view which apps have permission to access location services.

Location services

Click to view and manage a list of location services permissions.

- **Earthquake alerts:** Tap and slide the switch to the **On**  position to turn Earthquake alerts on. You will receive an alert when an earthquake is detected nearby.
- **Emergency Location Services:** Slide the switch to the **On**  position to 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:** Slide the Google Location Accuracy switch to the **On**  position to use GPS, Wi-Fi, Bluetooth, mobile networks, and sensors to determine your location.

- **Google Location History:** Slide the switch to the **On**  position to turn Google Location History on. Tap to view your location history.
- **Google Location Sharing:** Slide the switch to the **On**  position to turn Google Location Sharing on. Tap to share your location.
- **Wi-Fi scanning:** Slide the switch to the **On**  position to turn Wi-Fi scanning on. Wi-Fi scanning improves location accuracy by allowing system apps and services to detect Wi-Fi networks at any time.
- **Bluetooth scanning:** Slide the switch to the **On**  position to turn Bluetooth scanning on. Bluetooth scanning improves location accuracy by allowing system apps and services to detect Bluetooth devices at any time.



Safety & emergency

Set up and manage emergency SOS, medical information, alerts, and more.

Open Personal Safety

1. Tap to view and edit your personal emergency information and emergency contacts.
2. Tap **Name** to add your name.
3. Tap **+ Add information** to add your Name, Address, Blood type, Allergies, Medications, Organ doner information, and Medical notes.
4. Tap **+ Add contact** to add an emergency contact.

Medical information

Tap to view and edit your personal medical information. Adding medical information can help first responders in an emergency.

Emergency contacts

Tap to view and edit your emergency contacts. Adding emergency contacts can help first responders in an emergency.

Emergency SOS

Slide the switch to the **On**  position to turn emergency SOS on. Press the Power button quickly 5 times or more to start the actions below.

- **Play alarm sound:** Slide the switch to the **On**  position to automatically play a loud sound when emergency SOS is started.
- **Call emergency services:** Slide the switch to the **On**  position to automatically call your emergency contact number. The default is 911, but you can tap to change it.

Note: If you enter a non emergency number, your device must be unlocked to use Emergency SOS and your call might not be answered.

- **Share info with emergency contacts:** Sign in and slide the switch to the **On**  position to add emergency contacts. These contacts can be accessed without unlocking your phone in case of an emergency.
- **Record emergency video:** Sign in and slide the switch to the **On**  position to record, back up, and share an emergency video.

Crisis alerts

Get notified about natural disasters and public emergencies affecting your area.

Emergency Location Service

Slide the switch to the **On**  position to 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

Get notified about earthquake emergencies affecting your area.

Unknown tracker alerts

Get notified about unknown trackers that are detected traveling with you.

Wireless Emergency Alerts

View and manage your Wireless Emergency Alert settings.

1. Slide the switch to the **On**  position to enable Wireless Emergency Alerts.
2. You can enable or disable some alerts by sliding the switch to the **On** 

or **Off** . There are alerts that can not be disabled.

- **National alerts:** National warning messages. Can not be turned off.
- **Extreme threats:** Extreme threats to life and property.
- **Severe threats:** Severe threats to life and property.
- **AMBER alerts:** Child abduction emergency bulletins.
- **Public safety messages:** Recommended actions that can save lives or property.
- **State and local tests:** Receive text messages from state and local authorities. Can not be turned off.
- **Emergency alert history:** Tap to view all past emergency alerts.
- **Vibration:** Slide the switch to the **On**  position to enable vibration.
- **Alert reminder:** Tap to set an alert reminder sound. Sound will play at regular volume. Choose Once, Every 2 minutes, Every 15 minutes, or Never.
- **Spanish:** Slide the switch to the **On**  position to receive emergency alerts in Spanish when possible.

Passwords & accounts

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

Add account

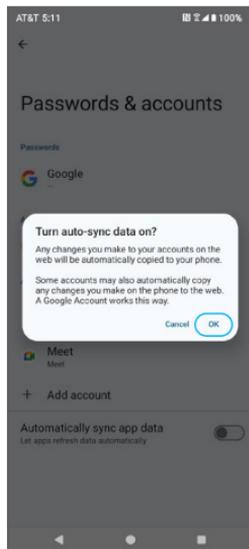
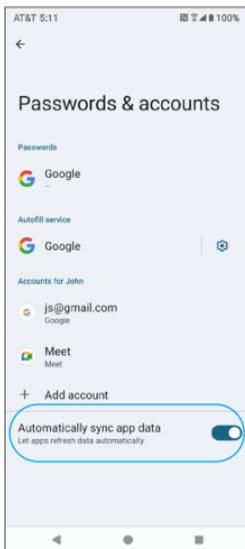
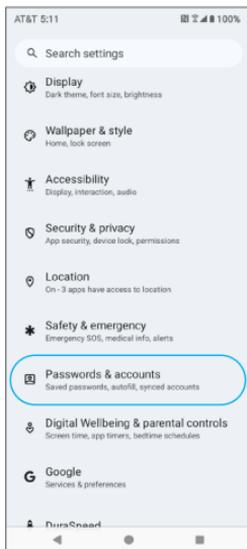
1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Passwords & accounts**  > **+** **Add account**.
3. Tap the type of account you want to add.

4. 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 41](#).

Automatically sync app data

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **Passwords & accounts**  > **Automatically sync app data**.
3. Slide the **Automatically sync app data** switch to the **On**  position to activate automatic data syncing and press **OK** to confirm.



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** .

View activity details

View your app activity details like screen time, notifications received, and times opened.

Ways to disconnect

- **App limits:** View your screen time and set timers for your apps.
- **Bedtime mode:** Silence you phone and change your screen to black and white at bedtime. Only alarms and important calls will reach you.
- **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:** If you're walking while using your phone, get a reminder to focus on what's around you.

Show icon in the app list

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

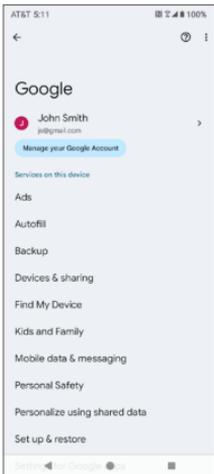
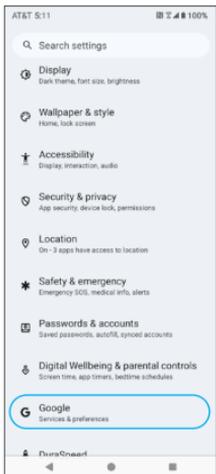
Parental controls

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

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** .
3. Select an option to customize your Google account settings.



System

Manage detailed settings for your phone, including language and input settings, battery and storage, date and time, etc.

Languages

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

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

System Languages

View your languages and add new 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** > check the box next to the language or languages you would like to remove > click the **Trash Can**  and tap **REMOVE**.

App Languages

Set the languages for each app.

Regional preferences

Set units and number preferences.

Voice input

Speech Recognition and Synthesis from Google. Tap Settings to manage offline speech.

- **Add a language:** Manage offline languages.
- **Auto update languages:** Auto update languages for Wi-Fi only.
- **Advanced:** Download languages.

On-device recognition

On-device speech recognition. Tap to manage offline speech.

- **Add a language:** Manage offline languages.
- **Auto update languages:** Auto update languages for Wi-Fi only.
- **Advanced:** Download languages.

Text-to-speech output

Manage settings on the text-to-speech function.

- Select your preferred engine.
- Set your preferred speech rate by adjusting the slider.
- Set your preferred pitch by adjusting the slider.

Keyboards

- **On-screen keyboard:** View your On-screen keyboard settings. Manage your virtual keyboards.
- **Spell checker:** Slide the switch to the **On**  or **Off**  position to enable or disable the spell checker.
 - **Languages:** Select your system languages.
 - **Default spell checker:** Gboard spell checker. Tap  to manage settings.

- **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

Quickly open camera

Open the Camera app from any screen by quickly pressing the **Power** key twice. Slide the switch to the **On**  position to enable.

Navigation mode

Tap  next to **Gesture navigation** or **3-button navigation** to select.

- **Gesture navigation:** To go Home, swipe up from the bottom of the screen. To switch apps, swipe up from the bottom, then release. To go back, swipe from either the left or right edge.
- **3-button navigation:** Go back, Home, and switch apps with buttons at the bottom of your screen.

Press & hold power button

When enabled, you can press and hold the **Power** key for three seconds to access **Power menu** or **Digital assistant**. Select your option to enable, then set the **Press & hold duration** by moving the slider to the left to decrease the sensitivity or to the right to increase the sensitivity.

Date & time

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

- **Set time automatically:** Tap to automatically use the time and date provided by a connected Wi-Fi network. Disable this function to manually

enter the date and time.

- **Set date:** Tap to set date manually. This option is available only when the **Use network/GPS-provided time** function is disabled.
- **Set time:** Tap to set time manually. This option is available only when the **Use network/GPS-provided time** function is disabled.
- **Automatic time zone:** Slide the switch to the **On**  position to automatically set the time zone.
- **Select time zone:** Manually select your time zone. This option is available only when the **Automatic time zone** function is disabled.
- **Use location:** Slide the switch to the **On**  position to use your device's location to set the time zone.
- **Use locale default:** Slide the switch to the **On**  position to use the default time format.
- **Use 24-hour format:** Slide the switch to the **On**  position to enable 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 Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System**  > **Backup**.
3. Tap **Manage storage** to access and manage your **Google One** storage.
4. Slide the switch to the **On**  position to enable **Backup by Google One**.
 - Tap the **Back up now** button to initiate immediate backup of your data.

Note: Your device backs up automatically over Wi-Fi after it's been idle and charging for 2 hours.

Advanced settings

- **Back up using mobile or metered Wi-Fi data:** Slide the switch to the **On**  position to enable.

System updates

Check for system updates.

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. Slide the switch to the **On**  position to allow Multiple users.

Edit your profile

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System**  > **Multiple users**
3. Tap **You (Owner)**.
4. Enter a name.
5. Tap  to add a photo.
6. Tap **OK** to confirm.

Add a new user

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System**  > **Multiple users**.
3. Tap  **Add user** then enter a name for the new user and tap **OK**.

Switch users

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System**  > **Multiple users**.
3. Tap the name of the user you want to switch to.
4. Restart the phone to switch back to the Owner/Admin profile.

Delete users

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System**  > **Multiple users**.
3. Tap the user profile you want to delete and tap **Delete user**  > **DELETE** to remove the user.

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

Add a guest

1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System**  > **Multiple users**.
3. Tap  **Add guest** then enter a name for the new guest and tap **OK**.

- **Delete guest activity:** Slide the switch to the **On**  position to delete all guest apps and data when exiting guest mode.
- **Allow guest to use phone:** Slide the switch to the **On**  position to allow guest to use the phone. Call history will be shared with guest users.
- **Add users from lock screen:** Slide the switch to the **On**  position to allow additional users to be added from the lock screen.

Reset options

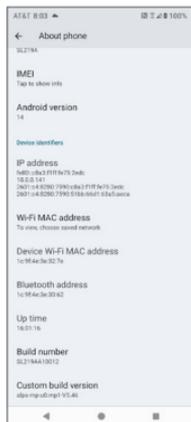
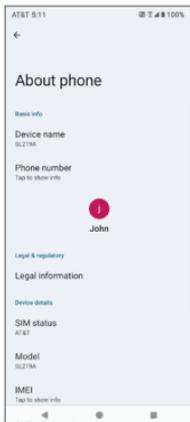
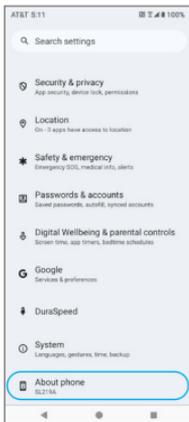
1. From the Home screen, swipe up to access **Apps** and tap **Settings** .
2. Tap **System**  > **Reset options**.
 - **Reset Mobile Network Settings:** Reset all mobile network settings. Tap **Reset settings** to reset.
 - **Reset Bluetooth & Wi-Fi:** Reset all Bluetooth & Wi-Fi settings. Tap **Reset** to reset. This can not be undone.
 - **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, search for and apply updates, and view legal and safety information.

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.
- **SIM status:** View your SIM status information, such as the Network, Phone number on SIM, Mobile network state, etc.
- **Model:** View your device model information.

- **IMEI:** View your IMEI.
- **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 Wi-Fi MAC address.
- **Bluetooth address:** View your Bluetooth address.
- **Up time:** View your current running up time.
- **Build number:** View your build number.
- **Custom build version:** View your custom build version.



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** key along with 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** key along with 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** key along with the **Volume up** key, then tap **Restart**. The phone will reboot in normal mode.

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** 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**  > **Advanced** > **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 room 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 162](#).

- **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** key along with 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. 203g / 7.16oz
Continuous talk time	Up to 30 hours
Continuous standby time	Approx. 421 hours
Charging time	Approx. 3.33 hours
Dimensions (W x H x D)	3.1 x 6.71 x 0.35in
Display	6.75" HD+ 1600 x 720 resolution 20:09 Aspect Ratio
Processor	MediaTek MT6765V/XA, Quad-Core 2.3 GHz
Cameras	Rear: 50MP + 2MP with LED flash, Front: 8MP with Display flash
Memory	4GB RAM, Up to 64GB internal memory expandable with microSD
Communication speed	UMTS: B1, 2, 4, 5, 8 LTE: B2, 3, 4, 5, 7, 12, 14, 17, 20, 29, 30, 66
Android version	Android™ 14 (Chrome)

Battery specifications

Item	Description
Voltage	3.87 V
Type	Lithium Polymer (Non-removable)
Capacity	Typical capacity: 4900 mAh rated / 5000 mAh type

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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 BATTERY PACK.

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 usage may be dangerous and will invalidate any approval given to this product.

Safety precautions for proper grounding installation

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

This product is equipped with a USB Cable for connecting with a desktop or notebook computer. 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 that 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, 0.35A. Output: 5V, 2000mA.

Battery must be used with caution

This product contains a Lithium-ion 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 113°F (45°C). The operating temperature for the phone is 4°F (-20°C) to 131°F (55°C). The charging temperature for phone is 32°F (0°C) to 131°F (55°C).

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

To reduce 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.
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- 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 hazard.
- Device usage by children should be supervised.
- 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 hazard.

- Avoid dropping the phone. If the phone is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion or other hazard. If the battery leaks:
 - Do not allow the leaking fluid to come into 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 into contact with eyes. If already in contact, DO NOT rub; rinse with clean water immediately and seek medical advice.
 - Take extra precaution 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, window sill, 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 high volume for prolonged periods of time.

Safety in aircraft

Due to 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 when on board an aircraft, remember to turn off the RF on your phone by switching to Airplane Mode.

Environment restrictions

Do not use this product near 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 health care provider may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care 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 local regular requirement 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 that 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.

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 accessories.
- Only qualified personnel must 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. 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 and the device to prevent damaging them. Remove the device from your pants' pocket before sitting down. 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 place.
- 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 could break when you sit down.

Damage requiring service

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

- Liquid has been spilled or an object has fallen into 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 power.

Avoid pushing objects into product

Never push objects of any kind into 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.

Avoid unstable mounting

Do not mount the product with an unstable base.

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 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 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 United States.

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage against the head with no separation, and near the body with the separation of 15 mm. Although the SAR is determined at the highest certified power level, the actual SAR level of the device 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 antenna, the lower the power output.

The exposure standard for wireless devices is based on a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. This device has received a grant of FCC Equipment Approval confirming that this model phone has been evaluated as in compliance with all relevant SAR levels and the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found at www.fcc.gov/oet/ea/fccid after searching on **FCC ID: 2A28USL219**.

For this device, the highest reported SAR value for usage against the head is 1.22 W/kg. For usage near the body, the highest reported SAR value is 0.95 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all comply with the FCC's standards. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirements. SAR compliance for body-worn operation is based on a separation distance of 15 mm between the unit and the human body. Carry this device at least 15 mm away from your body to ensure RF exposure level compliant with or lower than the reported level. To support body-worn operation, choose belt clips or holsters which do not contain metallic components comma to maintain a separation of 15 mm between this device and your body. RF exposure compliance with any body-worn accessory that contains metal was not tested and certified. The use of such body worn accessories should be avoided.

Hearing Aid Compatibility (HAC) for Wireless Telecommunication Devices

This device is hearing aid compatible.

This device is hearing aid-compatible as determined by ANSI C63.19-2019 and waiver DA-23-914. The lowest conversational gain is 6.15 dB with a hearing-aid, and 16.84 dB without hearing-aid, using telecoil coupling capability and Bluetooth connectivity. The 2019 ANSI C63.19 standard does not use this rating system nor do any test standards exist for any wireless technologies that transmit above 6 GHz. Therefore, 5G NR mmWave frequency bands cannot be tested. Instead, this standard uses the conversational gains for the device's hearing aid compatible capabilities. This device has been tested and certified for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise.

Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or retailer.

Warranty

With this manufacturer's warranty (hereinafter: the "Warranty"), Emblem Solutions (hereinafter: the "Manufacturer") guarantees this product against any material, design and manufacturing defects. The duration of this Warranty is specified in article 1 below.

This Warranty does not affect your statutory rights, which cannot be excluded or limited, in particular in relation to the applicable legislation on defective products.

Warranty duration:

The product may consist of several parts, which may have separate warranty periods, to the extent permitted by local laws. The "Warranty Period" (as defined in the table below) takes effect on the date of purchase of the product (as indicated on the proof of purchase) or date of product delivery and activation (if required), whichever is later.

1. Warranty period (see table below)

Phone	24 Months
USB Cable and Charger	12 Months
Other Accessories (if included in the box)	12 Months

2. Warranty period for repaired or replaced parts:

Subject to special provisions of local laws in force, the repair or replacement of a product does not, under any circumstances whatsoever, extend the original warranty period of the product concerned. However, the repaired or replaced parts are guaranteed in the same manner and for the same defect for a period of ninety days after delivery of the repaired product, even if their initial warranty period has expired. Proof of purchase required.

Implementation of the Warranty

If your product is faulty under normal conditions of use and maintenance, in order to benefit from the present warranty, please contact the Returns Center at **1(800) 801-1101** for assistance. The customer support center will then provide you with instructions on how to return the product for support under warranty. For more information, please visit att.com/warranty.

Warranty exclusions

Manufacturer guarantees its products against material, design and manufacturing defects. The Warranty does not apply in the following cases:

1. Normal wear and tear of the product (including on camera lenses, batteries and screens) requiring periodic repair and replacement.
2. Defects and damages due to negligence, to the product being used other than in a normal and customary manner, to the non-compliance with the recommendations of this User Manual, to an accident, regardless of the cause. Instructions for use and maintenance of the product can be found in your product's User Manual.
3. The opening, unauthorized disassembly, modification being carried out or repair of the product by the end user or by persons or by service providers not approved by Manufacturer and/or with spare parts not approved by Manufacturer.
4. Use of the product with accessories, peripherals and other products whose type, condition and/or standards do not meet Manufacturer's standards
5. Defects associated with the use or connection of the product to equipment or software not approved by Manufacturer. Some defects may be caused by viruses due to unauthorized access by yourself or by a third party service, computer systems, other accounts or networks. This unauthorized access may take place through hacking, misappropriation of passwords or various other means.

6. Defects and damage due to the exposure of the product to humidity, extreme temperatures, corrosion, oxidation, or to any spillage of food or liquids, chemicals and generally any substance likely to alter the product.
7. Any failure of embedded services and applications that have not been developed by Manufacturer and whose functioning is the exclusive responsibility of their designers.
8. Installation and use of the product in a manner that does not comply with the technical or security standards of regulations in force in the country where it's installed or used.
9. Modification, alteration, degradation or illegibility of the IMEI number, serial number or EAN of the product
10. Absence of proof of purchase.

Upon expiration of the warranty period or upon an exclusion of warranty, Manufacturer may, at its discretion, provide a quote for the repair and offer to provide support for the product, at your cost.

The Manufacturer contact and after-sales service details are subject to change. These Warranty terms may vary substantially according to your country of residence.