Setting	Function/Service
Self timer	Set a countdown timer.
QR code	Enable or disable the ability to scan codes automatically
Shutter sounds	Activate or deactivate the shutter sound when taking a photo.
Framing lines	Show grid lines to help take professionally-composed photos.
Geo tagging	Add location information to your photo.
Touch shot	Enable or disable the ability to capture photos by tapping on the camera screen.
Storage	Select a storage location. This option is available only when an SD card is inserted.
Restore defaults	Reset to default camera settings.

Photos

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

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

You can tap an image or video to view.

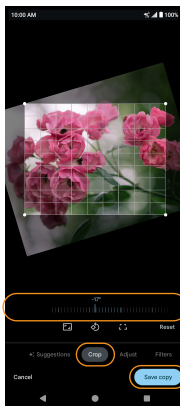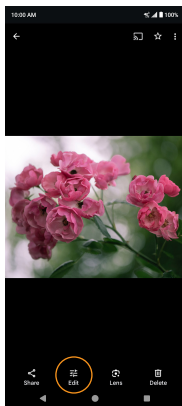## Zoom in or out on a photo or video

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

Edit photos

Rotate and save a photo

1. From the Photos screen, tap the photo you want to rotate.

2. Tap **Edit** 📝 to access the Edit screen.

3. Tap **Crop** and adjust the slider to rotate the photo.

4. Tap **Save copy** to save a copy of your photo.

Crop a picture

1. From the Photos screen, tap the photo you want to crop.

2. Tap **Edit** 🎛️ to access the Edit screen.

3. Tap **Crop**. A crop box appears on the photo.

4. To adjust the crop box size, drag the corners inward or outward to resize the crop box.

5. Tap **Save copy** to apply the changes to the photo and save.

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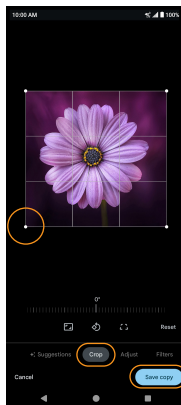
Share pictures and videos

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

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

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

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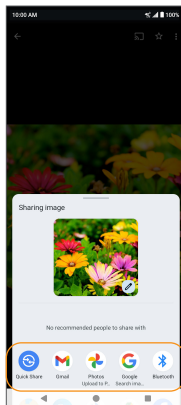
Productivity

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

Calendar

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

In order to sync with your Google calendar, you must sign in to a Google Account on your phone. See for more information on signing in or creating a Google Account.

Calendar view

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

2. Tap **Menu** ☰.

3. Select from one of the following calendar views:

   • **Schedule:** Display all events.

   • **Day:** Display today's schedule by hour. Slide the screen to the left and right to display the previous and the next day, respectively.

   • **3 days:** Display the previous day, today, and the next day. Slide the screen to the left and right to view the previous and next three days.

   • **Week:** Display the current week. Slide the screen to the left and right to view the previous and next week, respectively.

   • **Month:** Display the current month. Slide the screen to the left and right to view the previous and next month, respectively.

Add an event

1. From the Calendar screen, tap **Add** + > **Event** to add an event.

2. Set the event details, such as title, time, location, people to join in, notification, and more.

3. When finished, tap **Save**.

View calendar events

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

Edit an event

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

2. Tap **Edit** ✏ to edit the event.

3. When you are done editing, tap **Save**.

Delete an event

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

2. Tap **Options** ⋮ > **Delete** to delete the event.

Calendar settings

1. From the Calendar screen, tap **Menu** ☰ > **Settings** > **General**.

2. Tap an option to adjust Calendar settings.

Google Maps

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

Enable location services on your phone

Before using Google Maps, you must enable your phone's location feature. For information about setting your phone's location options, see *"Location" on page 142*.

Search for destinations

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

1. From the Home screen, swipe up to access **Apps** and tap **Maps** 📍. If prompted, follow the on-screen instructions to accept terms of use.

2. Tap **Search here**.

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

Google Maps operations

- **View current location:** Tap ◉ to find your current location on the map.

- **Explore nearby venue categories:** Browse nearby venues by selecting a category such as restaurants, parks, hotels, and more.

- **Select map types for different views:** Tap **Map Type** ◈ and choose your map view, or select to view map details such as traffic, street view, etc.

- **Find a route to your destination:** Tap **GO** ◈, enter your desired start location and destination, and tap a method of transportation (car, public transit, or on foot) for a list of step-by-step directions to your destination.

Google Search

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

1. From the Home screen, tap the Google Search widget.
   • You can also access Google Search by swiping up on the Home screen to access **Apps** and tapping **Google** G .

2. Type your search keywords and tap **Search** 🔍 .

3. To search by voice, tap **Google Voice Search** 🎤 in the search bar and say your search terms. Search results will appear.

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

Calculator

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

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

2. Enter the first number.

3. Tap a mathematical function key, then enter the second number.

4. Tap $=$ to view the result. Tap AC to clear the results.

View calculator history

1. From the Calculator screen, tap **Menu** ⋮ > **History**, or drag down on the **History** ▬ bar to view the calculator history.

2. To clear the calculator history, tap **Menu** ⋮ > **Clear**.

3. To return to the calculator, drag the **History** ▬ bar back up or tap the **Back** button ◀ .

Clock

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

Set the date and time manually

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

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

2. Tap **Menu** ⋮ > **Settings** > **Change date & time** > **Set time automatically** > **Off**.

3. Set the date and time manually.

Create a new alarm

1. From the Clock screen, tap **Alarm** ⏰ > + to add a new alarm.

2. Set the time for the alarm and tap **OK**. You can also tap ⌨ to enter the time directly.

3. Set more alarm details, if desired.

   - **Add label:** Enter a name for the alarm.
   - **Repeat:** Select the days to repeat the alarm.
   - **Schedule alarm:** Set start date and end date of the alarm.
   - **Alarm sound:** Select a sound to play for the alarm.
   - **Vibrate:** Activate alarm vibration.
   - **Google Assistant Routine:** Add the current alarm to your Google Assistant Routine.
   - **Delete:** Delete the current alarm.

Turn an alarm off

1. To turn an alarm off, drag the **Alarm clock** 🕐 to **Stop**.

2. To snooze the alarm for 10 minutes, drag the **Alarm clock** 🕐 to **Snooze**.

Delete an alarm

1. From the Alarm screen, tap the alarm you want to delete from the alarm list.

2. Tap **Delete**.

World clock

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

1. From the Clock screen, tap **Clock** ⏰ > ➕ to access the World clock screen.

2. Type to enter a city name and select the city you want to add from the list.

   • To remove a city, swipe the city to the left side.

Timer

1. From the Clock screen, tap **Timer** ⏲ to access the Timer screen.

2. Enter the amount of time into the Timer.

3. Tap ▶ to begin timing.

4. Tap ‖ to pause timing.

   • Tap ▶ again to resume timing.

   • Tap ↺ to reset the timer back to the original amount of time.

   • Tap ✕ to delete the timer.

   • Tap ➕ to add another timer. Swipe up and down to view other active

timers.

Stopwatch

1. From the Clock screen, tap **Stopwatch** ⏱ to access the Stopwatch screen.

2. Tap ▶ to begin the stopwatch.

3. Tap ▋▋ to stop the stopwatch.

   • Tap ▶ again to resume timing.

   • Tap ↻ to reset the stopwatch to zero.

   • Tap ⏱ to add lap splits.

Bedtime

1. From the Clock screen, tap **Bedtime** 🛏 to access the Bedtime screen.

2. Tap **Get started** and set your sleep time and wake-up time.

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

• **See recent bedtime activity:** Keep track of your screen time and see estimates of time spent in bed. This is based on when your phone remained motionless in a dark room.

• **Listen to sleep sounds:** You can play soothing music to help you fall asleep. Sleep sounds don't play automatically.

• **See your upcoming events:** To make sure your alarm is set before any events, allow **Clock** to access your calendar.

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

Entertainment and activities

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

YouTube

View videos uploaded to YouTube and upload your own videos.

View YouTube videos

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

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

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

   • If you are prompted to provide confirmation to use the on-screen instructions to continue.

2. Browse YouTube channels and tap a video to view.

3. The video will play on your phone screen. Tap the screen to pause or resume play while watching.

Post a video to YouTube

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

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

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

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

Settings

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

Basic settings

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

The table below outlines the Settings categories.

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

Category	Description
Wallpaper & style	Set wallpapers, colors, themed icons, and app grid.
Accessibility	Set accessibility options such as screen magnification, audio adjustment, etc.
Security & Privacy	Set a screen lock method, manage app and account security, device finders, etc.
Location	View and manage apps using your location.
Safety & emergency	Add your medical information and emergency contacts, enable Emergency SOS and Emergency Location services, etc.
Passwords & accounts	Manage all your email, social networking, and picture and video sharing accounts.
Digital Wellbeing & parental controls	Statistics, screen usage time, app timers, bedtime schedules, manage notifications, etc.
Google	Check and set Google service options.
System	Set language and time, manage reset options, enable backup, and view more important information about your phone.
About phone	View information about your device.

Network & internet

Manage network and connectivity settings.

Wi-Fi

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** 📶 **> Wi-Fi**.

3. Slide the 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 switch to the **Off** ⬜🔵 position.

4. Tap the Wi-Fi network you want to connect to, enter the password (if applicable), and tap **Connect**. Your phone will be connected to the selected Wi-Fi network.

   • The password for a household wireless LAN router is sometimes found on a sticker on the router (WEP, WPA, KEY, etc.) or QR code. Contact the router manufacturer for information. For the password for a public wireless LAN, check with user's service provider.

   • Entering a password is not required if an access point is not security protected.

Manually connect to a Wi-Fi network

1. From the Wi-Fi screen, slide the switch to the **On** 🔵⬜ position to turn Wi-Fi on.

2. Scroll down and tap **Add network**.

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

Enter network name

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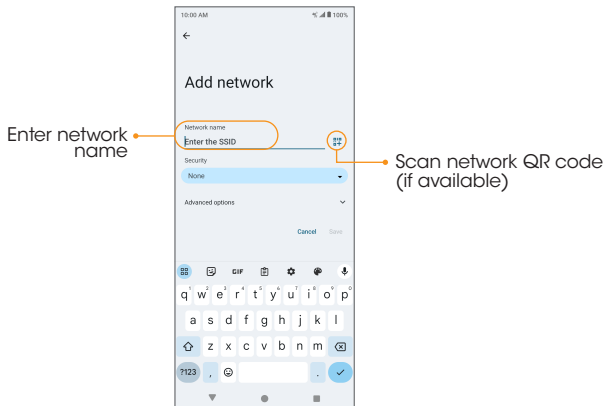
- **Network name:** Enter the network name.
- **Security:** Select a security option and enter your password.
- **Advanced options:** Show advanced options, such as IP settings and Proxy settings.

Wi-Fi preferences

Create and manage wireless access points.

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

- **Wi-Fi Direct:** Connect to devices with Wi-Fi Direct.

Saved networks

Tap to view your saved Wi-Fi networks.

Wi-Fi data usage

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

Wi-Fi Calling

1. From the Network & internet screen, tap **Wi-Fi Calling.**

2. Slide the switch to the **On** ⬤◯ position to enable **Wi-Fi Calling**.

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

   - **About Wi-Fi Calling:** Tap to view more information about Wi-Fi Calling.

   - **Network preference:** Select the preferred network.

   - **Emergency Address:** Update your emergency address. This address will be used by Emergency services as your location if you make an emergency call (911) over Wi-Fi from this phone within the U.S.

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

Mobile network

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

Mobile Data: Enable data access on your mobile network.

International Data Roaming: Enable international data roaming.

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

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

• **Mobile data usage cycle:** Set the date the data usage cycle resets.

• **Set data warning:** Enable alerts when your mobile data usage reaches the amount set.

• **Data warning:** Set the data usage amount. Your phone will notify you when it reaches the amount set. Data usage measured by your phone is an approximate amount, and it may differ from the actual amount.

• **Set data limit:** Enable data limits.

• **Data limit:** Set a data limit. Your phone will turn off mobile data when it reaches the limit set.

Mobile Network Diagnostics: Enable sending diagnostic data automatically to the provider to improve service.

Access Point Names: Select or add APNs.

Airplane mode

Disable all network communication.

1. From the Network & internet screen, tap **Airplane mode**.

2. Slide the switch to the **On** ⬤◯ position to activate Airplane mode. You can directly enable or disable Airplane mode via Quick Settings Panel.

Hotspot & tethering

Share your phone's internet connection with other devices.

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

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

Mobile hotspot

Use your phone as a mobile hotspot.

1. From the Hotspot & tethering screen, tap **Mobile hotspot**.

2. Slide the switch to the **On** ⬤ position to activate the mobile hotspot.

   • **Hotspot name:** Set the hotspot name.

   • **Security:** Turn hotspot security on or off.

   • **Hotspot password:** Tap to set a hotspot password.

   • **AP Band:** Select Access Point band, 2.4 GHz or 5GHz.

   • **Turn off hotspot automatically:** Turn off the hotspot automatically if no devices are connected.

   • **Mobile Hotspot turn off timer:** Set a timer for the hotspot to automatically turn off.

   • **Maximum connections:** Tap to set the maximum number of users allowed to connect to the hotspot.

   • **Connected users:** View your connected users.

   • **Blocked users:** View your blocked users.

USB tethering

Share your phone's internet connection via USB.

1. Connect your phone to the device that you want to share your internet with using a Type-C USB cable before continuing to the next step.

2. From the Hotspot & tethering screen, tap **USB tethering**.

3. Slide the switch to the **On** ⬤ position to enable USB tethering.

Bluetooth tethering

Share your phone's internet connection via Bluetooth.

1. From the Hotspot & tethering screen, tap **Bluetooth tethering**.

2. Slide the switch to the **On** ⬤ position to enable Bluetooth tethering.

Data Saver

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

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

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

VPN (Virtual Private Networks)

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

Add a VPN profile

1. From the Network & internet screen, tap **VPN**.

2. Tap ➕ on the top right corner of the VPN screen to add a VPN profile.

3. Follow the instructions to set up a VPN.

Edit and delete a VPN

1. From the VPN screen, tap ⚙ next to the VPN you want to edit or delete.

2. Edit the VPN and tap **Save**, or tap **Forget** to delete the VPN.

Connect to a VPN

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

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

Private DNS

1. From the Network & internet screen, tap **Private DNS**.

2. Select your Private DNS mode.

Wireless Emergency Alerts

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

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

Connected devices

Manage settings for connected devices.

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

2. Tap **Connected devices** 📱.

USB

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

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

USB controlled by

• **Connected device:** Set the connected device to control the USB.

• **This device:** Set your phone to control the USB.

Use USB for

• **File Transfer:** Select to transfer files between your phone and your computer.

• **USB tethering:** Select to set the USB tethering mode.

• **MIDI:** Select to set this device as MIDI.

• **PTP:** Select to transfer PTP photos.

• **No data transfer:** Select to set No data transfer mode.

File transfer options

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

Connection preferences

Manage various connection preferences.

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

Bluetooth

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

Activate Bluetooth

1. From the Connection preferences screen, tap **Bluetooth**.

2. Slide the switch to the **On** position to turn it on. You can directly enable or disable Bluetooth via Quick Settings Panel.

Rename this device

1. From the Bluetooth screen, tap **Device name**.

2. Enter a new name and tap **Rename** to save.

Pair a Bluetooth device

1. From the Bluetooth screen, tap **Pair new device**.

2. All the available devices are listed out.

3. Select the device you want to connect to within the Available devices list and follow the prompts to connect.

   • Make sure the device you want to connect with is discoverable via Bluetooth.

   • Depending on the device, you may be required to enter or accept a passkey.

Rename a paired device

1. From the Connected devices screen, tap **Settings** 🔧 next to a paired

device name.

2. Tap **Edit** 🖊, enter a new name, and tap **Rename** to save.

Connect/Disconnect to/from a paired device

1. From the Connected devices screen, tap **Settings** ⚙ next to a paired device name.

2. Tap **Connect** or **Forget**.

Receive data via Bluetooth

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

1. Tap **ACCEPT**.

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

NFC

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

1. From the Connection preferences screen, tap **NFC**.

2. Slide the switch to the **On** ⬤⃝ position to turn it on.

3. Tap **Contactless payments** to view the details of your default payment app.

Cast

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

1. From the Connection preferences screen, tap **Cast**.

2. Tap **Menu** ⋮ > **Enable wireless display**.

3. Tap a device to connect.

Printing

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

Add printer

1. From the Connection preferences screen, tap **Printing**.

2. Tap **Add service.**

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

Chromebook

1. From the Connection preferences screen, tap **Chromebook**.

2. Tap to manage connections with your Chromebook.

Quick Share

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

1. From the Connection preferences screen, tap **Quick Share**.

2. Slide the switch to the **On** ⬤ position to enable this function. You can directly enable or disable Quick Share feature via Quick Settings Panel.

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

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

Device name

Rename your device. Enter a new name and tap **Save**.

Who can share with you

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

Android Auto

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

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

2. Tap **Connected devices** 🔲 > **Connection preferences** > **Android Auto**.

3. Tap **Connect a car** button to view connection details.

4. Plug your phone into this car's Android Auto-compatible USB port.

5. When connected, supported apps will be mirrored from your phone to your car's display.

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

Apps

View current running applications, manage permissions, and more.

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

Recently opened apps

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

Default apps

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

Screen time

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

Cloud media app

Choose an app to access your cloud media.

Unused apps

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

App battery usage

Set battery usage for apps.

Special app access

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

Notifications

Manage the settings on notifications.

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

2. Tap **Notifications** 🔔 .

App notifications

Control notifications from individual apps.

1. From the Notifications screen, tap **App notifications**.

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

Notification history

View your recent and snoozed notifications.

1. From the Notifications screen, tap **Notification history**.

2. Slide the switch to the **On** ⬤ position to turn it on.

3. Your recent and snoozed notifications will appear.

Conversations

View priority and modified conversations.

1. From the Notifications screen, tap **Conversations**.

2. Your priority and modified conversations are displayed.

To change conversation settings, follow the below steps:

1. Swipe the Status bar down to display the Notification panel.

2. Touch and hold a conversation.

Bubbles

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

1. From the Notifications screen, tap **Bubbles**.

2. Slide the switch to the **On** position to allow apps to show bubbles.

Device & app notifications

Control which apps and devices can read notifications.

1. From the Notifications screen, tap **Device & app notifications**.

2. You can see the devices and apps that allowed and not allowed to access notifications.

Notifications on lock screen

1. From the Notifications screen, tap **Notifications on lock screen**.

2. Select how you want notifications to be displayed on the lock screen.

Do Not Disturb

1. From the Notifications screen, tap **Do Not Disturb**.

2. Tap Turn on now to enable Do Not Disturb mode.

3. You can set What can interrupt Do Not Disturb, Schedules, etc.

Flash notifications

Flash your camera light or the screen when you receive notifications or when alarms sound.

1. From the Notifications screen, tap **Flash notifications**.

2. You can turn on Camera flash or Screen flash.

Wireless emergency alerts

1. From the Notifications screen, tap **Wireless emergency alerts**.
2. Slide the **Allow alerts** switch to the **On** ⬤ position to allow alerts.
3. Slide the alert switches to turn them on or off. For more information, see *"Wireless Emergency Alerts" on page 113*.

Hide silent notifications in status bar

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

Allow notification snoozing

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

Notification dot on app icon

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

Enhanced notifications

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

Battery

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

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

2. Tap **Battery** 🔋.

Battery usage

View battery usage from last full charge.

1. From the Battery screen, tap **Battery usage**.

2. You can view the battery percentage that each apps used.

Battery Saver

From the Battery screen, tap **Battery Saver**.
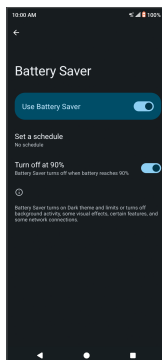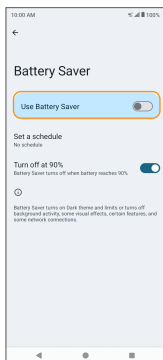
- Slide the **Use Battery Saver** switch to the **On** ⬤ position to turn the battery saver mode on. The **Battery Saver** will automatically turn off when the phone is plugged in.

- **Set a schedule:** Tap **Based on percentage** and drag the slider to the percentage you need. The **Battery Saver** will turn on automatically when your phone reaches that battery percentage.

- **Turn off when charged:** When enabled, battery saver turns off when your phone charges above 90%.

Battery percentage

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

Storage

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

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

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

2. Tap **Storage** ≣.

3. Tap `This device ▾` > **This device**, then tap a category to view the storage amount used by each app.

4. Delete backed up files by tapping **Free up space**.

Storage manager

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

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

SD card

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

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

• **Rename**: change the SD card name.

• **Eject**: eject the SD card to allow for safe removal.

• **Format**: format the SD card.

Sound & vibration

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

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

2. Tap **Sound & vibration** 🔊 .

3. Drag the slider to adjust the volumes.

   • **Media volume:** Adjust the media and alert notification volume.

   • **Call volume:** Adjust the call volume.

   • **Ring volume:** Adjust the ring volume.

   • **Notification volume:** Adjust the notification volume.

   • **Alarm volume:** Adjust the alarm volume.

Do Not Disturb

1. From the Sound & vibration screen, tap **Do Not Disturb**.

2. Tap ⟨Turn on now⟩ to enable Do Not Disturb mode. Some notifications will be silenced when Do Not Disturb is turned on.

3. You can set What can interrupt Do Not Disturb, Schedules, etc.

Phone ringtone

1. From the Sound & vibration screen, tap **Phone ringtone**.

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

Live Caption

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

1. From the Sound & vibration screen, tap **Live Caption**.

2. Slide the Use Live Caption switch to the **On** ⬤ position to enable this function.

3. You can adjust settings for the following aspects:

   • **Languages:** English only for now. More languages coming soon.

   • **Hide profanity:** Enable to replace profanity with asterisk symbol.

   • **Show sound labels:** Enable to include sounds like laughter, applause and music.

   • **Live Caption in volume control:** Enable Live Caption in volume control.

Media

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

• **Pin media player:** Have media player stays open in the Quick Settings Panel when the media session has ended.

• **Show media on lock screen:** Have media player stays open on lock screen to quickly resume playback.

• **Show media recommendations:** Show media recommendations basing on your activities.

Other sound and vibration settings

- **Vibrate & haptics:** Enable or disable vibration for calls, notifications, and alarms. Enable or disable interactive haptics.

- **Shortcut to prevent ringing:** Press the Power/Lock key and the Volume up key together to activate Vibrate or Mute mode. Slide the switch to the **On** position to enable the Prevent ringing function.

- **Default notification sound:** Select the default notification sound. You can customize your own notification sound by tapping **Add notification**.

- **Default alarm sound:** Select the default alarm sound. You can customize your own alarm sound by tapping **Add alarm**.

- **Dial pad tones:** Enable dial pad tones.

- **Screen locking sound:** Enable screen locking sounds.

- **Charging sounds and vibration:** Enable the charging sounds and vibration.

- **Tap & click sounds:** Enable touch sounds.

- **Always show icon when in vibrate mode:** Enable to always display vibrate icon on status bar when in vibrate mode.

Display

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

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

2. Tap **Display** 🔆.

Brightness level

1. From the Display screen, tap **Brightness level**.

2. Drag the slider to adjust the brightness level manually.

Adaptive brightness

1. From the Display screen, tap **Adaptive brightness**.

2. Slide the switch to the **On** 🔘 position to enable Adaptive brightness.

3. When turned on, your phone will automatically adjust screen brightness based on the lighting conditions.

Lock screen

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

Screen timeout

1. From the Display screen, tap **Screen timeout**.

2. Set screen timeout interval. Your screen will automatically go to sleep after the set amount of time.

3. You can slide the **Screen attention** switch to the **On** 🔘 position to prevent your screen from turning off if you're looking at it.

Dark theme

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

Display size and text

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

Night Light

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

Auto-rotate screen

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

Screen saver

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

Lift to wake

From the Display screen, slide the Lift to wake switch to the **On** 🔘 position to turn on the phone display by simply lifting your phone from a table or removing it from your pocket.

Wallpaper & style

See for details.

Accessibility

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

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

2. Tap **Accessibility** 👤.

Real-Time Text call

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

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

Downloaded apps

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

Display size and text

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

- **Font size:** Drag the slider to adjust the font size.
- **Display size:** Drag the slider to make the items on your screen smaller or larger.
- **Bold text:** Bold the texts displayed on your screen.
- **High contrast text:** Change text color to black or white, maximizes contrast with the background.

- **Reset settings:** Reset the display size and text preferences to the phone's original settings.

Color and motion

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

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

Extra dim

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

Dark theme

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

Magnification

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

- **Magnification shortcut:** Slide the switch to the **On** position to enable magnification shortcut. Tap the magnification icon 🔍 that appears on the bottom right corner of the screen to magnify your screen.
- **Magnification type:** Choose magnification type.
- **Magnify typing:** Magnifier follows text as you type.
- **Keep on while switching apps**: Magnifier stays on and zooms out when

you switch apps.

Accessibility Menu

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

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

Timing controls

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

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

System controls

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

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

Vibration & haptics

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

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

Live Caption

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

Caption preferences

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

Audio description

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

Hearing devices

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

Audio adjustment

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

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

Accessibility shortcuts

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

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

Text-to-speech output

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

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

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.

From the Security & privacy screen, tap **App security** > **Google Play Protect**.

• Tap **Scan** to start scanning your device for harmful apps.

• Tap **Settings** ⚙ on the top right corner of the screen to view Play Protect settings:

  • **Scan apps with Play Protect:** Enable regular scanning for harmful apps on your device.

  • **Improve harmful app detection:** Enable sending unknown apps to Google for better detection.

  • **Permission for unused apps:** Review permissions for apps that you haven't used in a few months.

Device unlock

Screen lock

1. From the Security & privacy screen, tap **Device unlock** > **Screen lock**.

  • **None:** Disable any screen lock.

- **Swipe:** Set swipe to unlock.
- **Pattern:** Set an unlock pattern. Follow the prompts to finish the settings.
- **PIN:** Set a PIN code as the screen unlock method.
- **Password:** Set a password as the screen unlock method.

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

2. Tap ⚙ next to Screen lock to adjust some settings on screen lock.
- **Make pattern visible:** Slide the switch to the **On** position to make the pattern visible.
- **Lock after screen timeout:** Set an automatic lock timer.
- **Power button instantly locks:** Activate instant lock with the power button.

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

Face and Fingerprint unlock

Face unlock

Unlock your phone by looking at it.

Set up face authentication

1. From the Security & privacy screen, tap **Device unlock** > **Face and Fingerprint unlock**.
2. Enter your pattern, PIN, or password. To add a face unlock, you must set your backup screen lock method first.

3. Tap **Face unlock**.

4. Tap **Set up** > **Continue**.

5. Keep your eyes open and make sure your face is fully visible and not covered by any object, such as a hat or sunglasses.

Unlock your phone with your face

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

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

Fingerprint

You can also use your fingerprint to authorize purchases and app access.

Add a fingerprint

1. From the Security & privacy screen, tap **Device unlock** > **Face and Fingerprint unlock**.

2. Enter your pattern, PIN, or password.

3. Tap **Fingerprint**.

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

5. Tap **Delete** 🗑 to delete a saved fingerprint.

6. Tap **Add fingerprint** to add another fingerprint.

Account security

Google security checkup

Check security settings.

Password checkup

Check security of passwords saved to your Google Account.

Device finders

Find My Device

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

1. From the Security & privacy screen, tap **Device finders** > **Find My Device**.

2. Slide the switch to the **On** ⬤ position to activate Find My Device.

   • There are several ways available to locate your device.

Unknown tracker alerts

When turned on, you will get a notification if any unknown tracker is detected traveling with you.

1. From the Security & privacy screen, tap **Device finders** > **Unknown tracker alerts**.

2. Slide the switch to the **On** ⬤ position to activate unknown tracker alerts.

3. You can manually scan for trackers by tapping **Scan now**.

System & updates

Security update

Check for new software updates for your device.

1. From the Security & privacy screen, tap **System & updates** > **Security update**.

2. Tap **Check for update** to check for updates.

Google Play system update

Check if a Google Play system update is available.

1. From the Security & privacy screen, tap **System & updates** > **Google Play system update**.

2. Follow any steps on the screen.

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.

Privacy

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

Permission manager

1. From the Security & privacy screen, tap **Privacy** > **Permission manager.**

2. Control permission for apps that use your camera, location, microphone, contacts, etc.

Privacy dashboard

1. From the Security & privacy screen, tap **Privacy** > **Privacy dashboard.**

2. Show which apps used permissions in the pass 24 hours.

Ads

Manage the info used to show you ads measure ad performance.

Health connect

Manage app access to health data.

Data sharing updates for location
Review apps that changed the way they may share your location data.

Camera access
Allow camera access for all apps and services.

Microphone access
Allow microphone access for all apps and services.

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

Show passwords
Display characters briefly as you type passwords.

Location access
Enable or disable location function.

Activity controls
Choose the activities and information you allow Google to save.

More security & privacy
Mange other security and privacy settings, such as notifications, extend unlock, and more.

Location

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

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

2. Tap **Location** ⓞ .

3. Slide the switch to the **On** ⬤◯ position to turn location services on.

Recent access

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

App location permissions

View which apps have permission to access location services.

Location services

Earthquake alerts

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

Emergency Location Service

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

Google Location Accuracy

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

Google Location History

View your location history.

Google Location Sharing

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

Wi-Fi scanning

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

Bluetooth scanning

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

Safety & emergency

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

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

2. Tap **Safety & emergency** ✳️.

Medical information

1. From the Safety & emergency screen, tap **Medical information**.

2. Add your medical information such as your name, address, blood type, allergies, etc.

Emergency contacts

1. From the Safety & emergency screen, tap **Emergency contacts**.

2. Tap **Add contact**.

3. Choose contacts as your emergency contacts to be accessed from the lock screen in case of an emergency.

Emergency SOS

1. From the Safety & emergency screen, tap **Emergency SOS**.

2. Slide the switch to the **On** ⬤ position to turn Emergency SOS function on.

3. If you have an emergency and need emergency services, press the **Power/Lock** key 5 or more times quickly.

Play alarm sound

Play a loud sound when Emergency SOS is starting.

Call emergency services

Dial local emergency number.

Share info with emergency contacts

Share real-time location and updates with emergency contacts.

Record emergency video

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

Crisis alerts

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

Emergency Location Service

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

Earthquake alerts

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

Unknown tracker alerts

When turned on, you will get a notification if any unknown tracker is detected traveling with you. You can manually scan for trackers by tapping **Scan now**.

Wireless emergency alerts

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

Passwords & accounts

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

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

2. Tap **Passwords & Accounts**.

Passwords

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

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

Password Manager

1. From the Passwords & Accounts screen, tap **Google** > **Password Manager**.

2. Tap 🔧 to manage your password settings

- **Offer to save passwords:** Save passwords to your Google account.
- **Sign in automatically:** Sign in to websites automatically using saved credentials.
- **Export passwords:** Download a copy of your passwords for other uses.
- **Import passwords:** Import passwords to your Google account.
- **Add shortcut to your home screen:** Add Google Password Manager to your home screen for quick access.
- **Declined sites and apps:** List out the sites and apps you've chosen not to save passwords. You can add more into the list by taping **Add more**.

Autofill service

Autofill your information when needed from your Google Account.

1. From the Passwords & Accounts screen, tap 🔧 next to Autofill service.

2. Slide the switch to the **On** ⬤ position to activate the autofill function.

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

Preferences

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

- **Security:** enable or disable **Authenticate with screen lock or biometrics before filling payment methods** or **Authenticate with biometrics before filling passwords**.
- **Sync preferences:** Use preferences on other devices with your Google Account.

Add account

1. From the Passwords & Accounts screen, tap **Add account**.

2. Tap the type of account you want to add.

3. Follow the prompts to enter your credentials and set up the account.

   - For more information about setting up a Google Account, see *"Google Account" on page 36*.

Automatically sync app data

1. From the Passwords & Accounts screen, tap **Automatically sync app data**.

2. Slide the **Automatically sync app data** switch to the **On** ⬤ position to activate automatic data syncing.

Digital Wellbeing & parental controls

Your Digital Wellbeing tools

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

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

2. Tap **Digital Wellbeing & parental controls** ⚮ > **Show your data**.

Ways to disconnect

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

Reduce interruptions

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

Show icon in the app list

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

Parental controls

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

1. From the Digital Wellbeing & parental controls screen, tap **Set up parental controls**.

2. Follow the screens to finish the setup.

Google

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

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

2. Tap **Google** G.

   • **Services on this device:** Select an option to customize your Google Account settings.

System

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

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

2. Tap **System** ⓘ.

Languages

Manage your phone's language settings.

System languages

1. From the System screen, tap **Languages** > **System languages**.

2. View your languages.

- When more than one language has been added, you can touch and hold the language, then drag it up to the first position to set as the default display language.
- To add a language, tap **Add a language**, then select the language you want to add.
- To remove a language, tap **Menu** ⋮ > **Remove**.

App Languages

Set the language for each app.

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

Regional preferences

Set units and number preferences.

Voice input

View your voice input engine and manage speech language settings.

On-device recognition

Manage your voice recognition languages.

Text-to-speech output

Manage settings on the text-to-speech function.

Keyboard

On-screen keyboard

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

Spell checker

Enable or disable the spell checker.

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

Personal dictionary

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

Pointer speed

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

Gestures

Manage gesture settings.

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

Quickly open camera

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

Navigation mode

- **Gesture navigation:** Select the checkbox to enable the following navigation gestures:
  - To go to the Home screen, swipe up from the bottom of the screen.
  - To switch apps, swipe up from the bottom, hold, then release.
  - To go back to the previous screen, swipe from either the left or right edge.

  Tap ⚙ to add gesture to invoke assistant and adjust gesture sensitivity.

- **3-button navigation:** Select the checkbox to enable 3-button navigation. This option is enabled by default.
  - To go to the Home screen, tap ⬤.
  - To switch apps, tap ⬛.
  - To go back to the previous screen, tap ◀.

Double-tap to check phone

Double-tap screen to check time, notification, and other info.

Press and hold power button

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

Prevent ringing

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

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

Date & time

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

Set time automatically

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

Set date

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

Set time

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

Automatic time zone

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

Select time zone

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

Use location

Use location to set the time zone.

Use locale default

Use the default time format.

Use 24-hour format

Enable or disable the 24-hour time format.

Backup

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

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

Backup details

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

Advanced settings

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

System update

Check for new software updates for your device.

Multiple users

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

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

Edit your profile info

1. From the Multiple users screen, tap **You (Owner)**.

2. Enter a name and add a photo.

3. Tap **OK** to confirm.

Add a new user

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

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

Add a guest

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

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

Switch users

1. From the Multiple users screen, tap the name of the user you want to switch to.

2. Tap **Switch to [name of user]**.

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

Delete users

1. From the Multiple users screen, tap the user you want to delete.

2. Tap **Delete user** > **Delete** to remove the user.
   • Other users can delete their own profiles by tapping **Menu** ⋮ > **Delete [name of user] from this device** > **Delete**.

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

Delete guest activity

Delete all guest apps and data when exiting guest mode.

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

Allow guest to use phone

When this feature turned on, call history will be shared with guest user.

Add user from lock screen

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

1. From the Multiple users screen, slide the **Add users from lock screen** switch to the **On** ⬤ position to enable it.

2. From lock screen, drag the status bar down to display the quick settings panel.

3. Tap 😀 to access the User settings screen.

4. Tap **Add guest** or **Add user** to add users.

Reset options

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

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

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

About phone

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

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

2. Tap **About phone** 🛈.

   - **Device name:** Tap to edit your phone's display name.
   - **Phone number:** Display your phone number.
   - **Legal information:** View your device's legal information, including third-party licenses, Google legal, system web view licenses, etc.
   - **SIM status:** View your SIM status information, such as the Network, Phone number on SIM, Mobile network state, etc.
   - **Model:** View your device model and hardware information.
   - **ICCID:** View your ICCID.
   - **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's fixed MAC address.
   - **Bluetooth address:** View your Bluetooth address.
   - **Up time:** View your up time.
   - **Build number:** View your build number.
   - **Custom build version**: View your Custom build version.