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# 1

## Your mobile

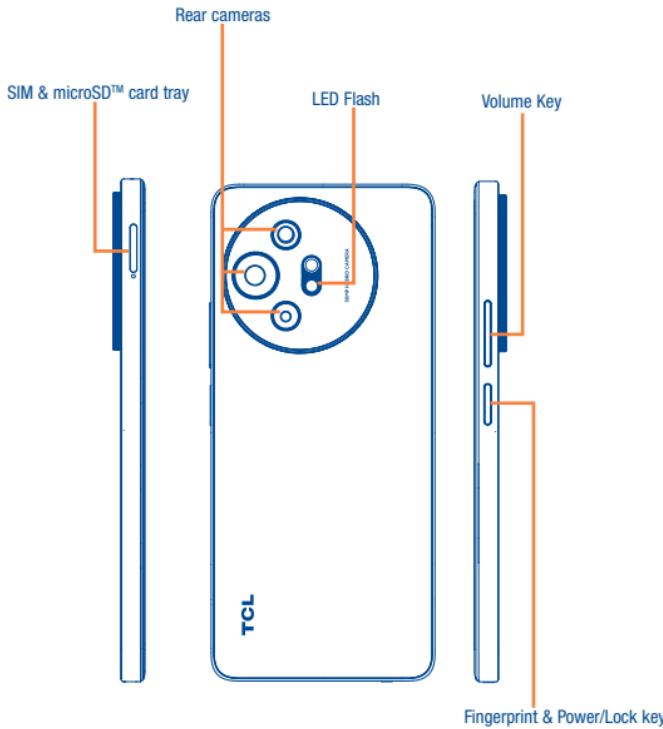
### 1.1 Keys and connectors



### SAR

This product meets applicable national SAR limits of 1.6 W/kg. The specific maximum SAR values can be found in the "SAR Information" section.

When carrying the product or using it while worn on your body, either use an approved accessory such as a holster or otherwise maintain a distance of 15 mm from the body to ensure compliance with RF exposure requirements. Note that the product may be transmitting even if you are not making a phone call.



#### Power/Lock Key (right side of the device).

- Press: Lock the screen/Light up the screen  
**Note:** Additional shortcuts and customizable settings are available at **Settings > Button & gestures > Power key**.
- Press and hold the **Power** key to open Google Assistant.
- Press the **Power** key and **Volume down** key at the same time to take a screenshot.

#### Volume up/down

- In call mode, adjusts the earpiece or headset volume.
- In Music/Video/Streaming mode, adjusts the media volume.
- In general mode, adjusts the media volume.
- After popping up Media, select the down menu button, and then click Ring Adjustment, Mutes the ringtone of an incoming call.
- In camera preview mode, press the **Volume up** or **Down** key to take a photo or press and hold to take burst shots. To set, touch **Camera**, then swipe down from blank area > **Settings > Volume button function**.

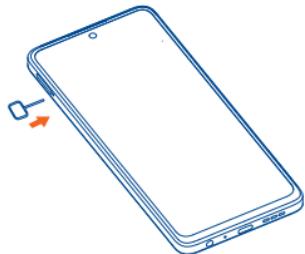
## 1.2 Setting up your phone

Your phone already has a SIM card installed. For an optimal wireless experience, use the SIM installed in your new phone. MicroSD cards (capacity up to 2TB)

Note: microSD card is sold separately.

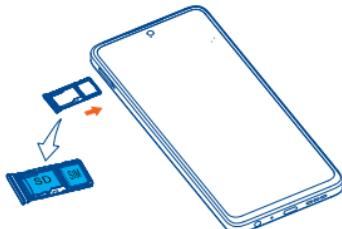
### 1. Install the SIM card /microSD card

**Step 1.** If you need to replace the NANO SIM card and/or insert an optional microSD card, use the SIM tool provided in the box to open the SIM tray.



**Step 2.** Remove the NANO SIM card/microSD card tray.

**Step 3.** Place the SIM card and/or microSD card into the tray, then slide the tray into the slot. It only fits one direction. Do not force into place. Keep the SIM tool in a safe place for future use.



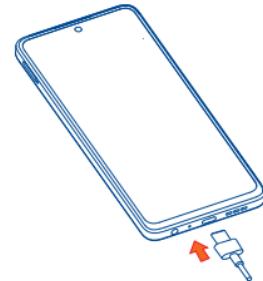
**NOTE:** A SIM card is already installed in your phone. This diagram shows SIM card location if you choose to remove or replace it.

### 2. Charge the phone

Before turning on your phone, charge it fully.

Insert one end of the USB cable into the phone.

Insert the other end into the charger and plug it into an outlet.



**WARNING:** Charger not included with your device. Only use chargers that meet all applicable standards for safety of information technology equipment and office equipment use. Incompatible chargers or tampering with the charger port could damage your device and void the warranty.

### 3. Turn your phone on/off

To turn your phone on, press and hold the **Power/Lock** button until the screen turns on.

**NOTE:** The first time you turn on your phone, you will need to activate it.

To turn your phone off, press both the **Power/Lock** button and **Volume up** button at the same time, then tap **Power off** on the screen when it appears.

#### **Locking/unlocking the screen**

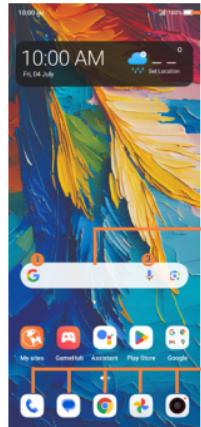
To turn on your screen, press the **Power/Lock** button. Then swipe up on the screen to unlock it.

To turn off your screen and prevent accidental key presses, press the **Power/Lock** button.

## 1.3 Home screen

The Home screen provides quick access to all the items (applications, shortcuts, folders and widgets) you like to use most frequently.

Touch the **Home** symbol to get instant access to the Home screen.



### Notification bar

Touch and drag down to open the notifications panel.

### Google Search bar

Touch ① to enter text search screen.

Touch ② to speak to Google Assistant.

### Favorite applications tray

Touch to enter the applications.

Touch and hold to move or change applications.

The Home screen offers multiple pages for shortcuts or applications you may download from the Play Store. Simply swipe your finger horizontally to the left. From the Home screen, swipe right to view a Google news feed page.

## 1.3.1 Using the touchscreen



To access an application, touch it with your finger.



To enter the available options for an item, touch and hold the item. For example. Select a contact in Contacts and touch and hold it. An options list will then appear.



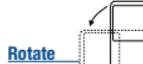
Place your finger on the screen to drag an object to another location.



Slide the screen to scroll up and down the applications, images, and web pages. You can slide the screen horizontally too.



Similar to swiping, but flicking makes it move quicker.



Automatically change the screen orientation from portrait to landscape by turning the phone sideways to have a better screen view.

### 1.3.2 Status bar

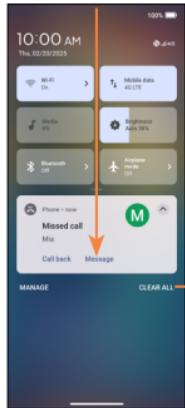
From the status bar, you can view both phone status (on the right side) and notification information (on the left side).

Drag down the status bar to view notifications and drag again to enter the quick settings panel.

Touch and drag up to close it. When there are notifications, they can be accessed by touching them.

#### Notification panel

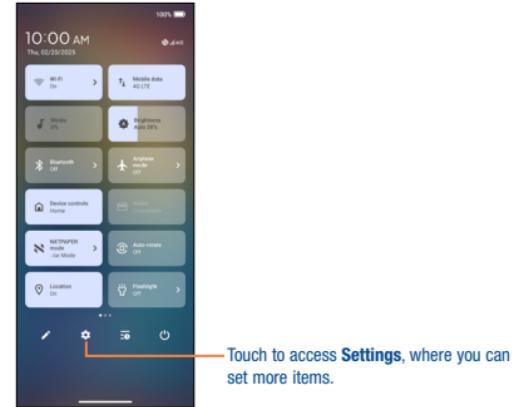
Swipe down the Status bar to open the Notification panel to read the detailed information.



Touch to clear all event-based notifications (other ongoing notifications will remain).

### Quick settings panel

Swipe down the Status bar twice to access the Quick Settings panel where you may enable or disable functions or change modes by tapping the icons.



### 1.3.3 Lock/Unlock your screen

To protect your phone and privacy, you can lock the screen with a pattern, PIN, password, Fingerprint or registered Face Unlock<sup>(1)</sup>.

To create a screen unlock, touch **Settings > Security & privacy > Device unlock**.

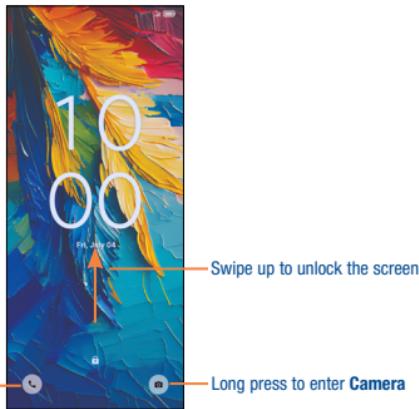
#### To lock the phone screen

- If your phone remains inactive for a period of time, it will automatically lock the screen and enter sleep mode to save power. Go to **Settings > Display > Sleep** and select a screen timeout period.
- You can also manually lock the screen by pressing the **Power** key once.

<sup>(1)</sup> Face unlock and fingerprint may not be as secure as Pattern, PIN, or Password locks. We may use Face unlock methods only for the purpose to unlock the phone. The data collected from you through such methods will be stored in your device and will not be disclosed to any third-party. You may delete your data anytime.

## Swipe to unlock the screen

Press the **Power** key once to light up the screen, swipe up the screen to unlock the screen.



## Enter a password to unlock the screen

Once the screen is turned on, swipe up the screen to display the password input panel. Then enter your lock screen password.

## Use pattern unlock

Draw the same pattern you have set to unlock the screen.

## Use Face unlock

- From the app list, touch **Settings > Security & privacy > Device unlock > Face & fingerprint unlock > Face unlock**. Before using the face unlock, you need to set a pattern/PIN/password.
- Hold your phone 8 - 20 inches from your face. Position your face in the circle shown on the screen. For best results, we suggest that the Face Unlock is used indoors and away from direct sunlight.
- Use Face unlock when your screen turns on, otherwise you will have to swipe up on the screen then use a password or pattern to unlock the phone.

## Use Fingerprint unlock

- Touch the fingerprint sensor (**Settings > Security & privacy > Device unlock > Face & fingerprint unlock > Fingerprint**) with an enrolled finger to unlock the screen.

## **1.3.4 Personalizing your Home screen**

### Add

You can touch and hold a folder, an application or a widget and drag the item to your preferred Home screen.

### Reposition

Touch and hold an item and drag it to the desired position and then release. You can move items both on the Home screen and the Favorite tray. Hold the icon on the left or right edge of the screen to drag the item to another Home screen.

### Remove

Touch and hold the item and drag it up to the top of the  Remove icon, and release after it turns white or touch and hold the item and choose  Remove.

### Create folders

To improve the organization of shortcuts or applications on the Home screen and the Favorite tray, you can add them to a folder by stacking one item on top of another. To rename a folder, open it and touch the folder's title bar to input the new name.

### Wallpaper customization

Touch and hold an empty area on the Home screen, then touch **Wallpapers & style** to change wallpaper.

### 1.3.5

## Widgets and recently used applications

### Widgets

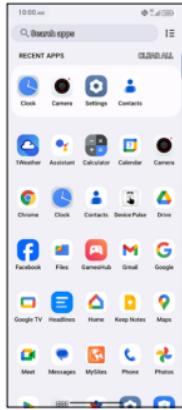
Touch and hold the empty area in the Home screen, then touch **Widgets** to display all widgets.

Touch and hold the selected widget and slide it to move to your preferred screen.

### Recently used applications

To consult recently used applications, use any of the following methods.

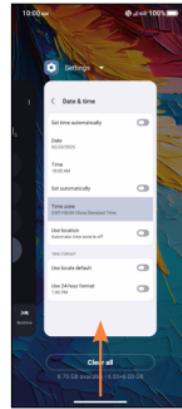
- Swipe up on the Home screen



Touch a thumbnail in the window to open the application.

Touch **CLEAR ALL** at the top right of the screen to close all the running applications.

- Swipe up from bottom of the device

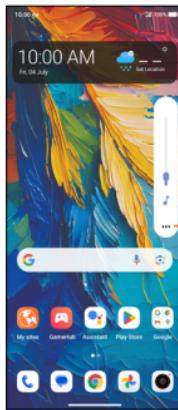


Touch one application in the window to open it and slide it up to close the application, slide it right/left to switch between the applications.

Touch **CLEAR ALL** at the bottom of the screen to close all the running applications.

### 1.3.6 Volume adjustment

Press the **Volume** key to adjust the Media volume.



Touch to adjust Media, Ring, Alarm and Notification volume.

## 1.4 Text input

### 1.4.1 Using the Onscreen Keyboard

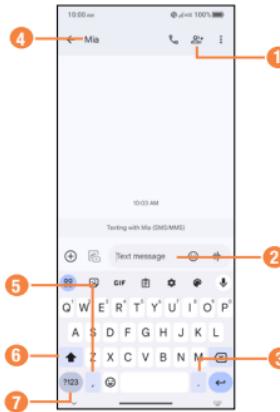
#### Onscreen Keyboard settings

Touch **Settings > System > Keyboard**, touch the On-screen keyboard you want to set up and a series of settings will become available.

#### Adjust the On-screen Keyboard orientation

Turn the phone sideways or upright to adjust the on-screen keyboard orientation. You can adjust it by changing the settings (Touch on/off **Settings > Display > Auto-rotate screen**).

### 1.4.2 Android keyboard



① Enter recipient numbers or select from contacts

② Touch to send the message

③ Touch to insert a period

Touch and hold to select symbols

④ Touch to open the Quick contact panel.

⑤ Touch to insert a comma

Touch and hold to access keyboard settings or enter left or right hand input mode.

⑥ Touch to switch between «abc/Abc» mode

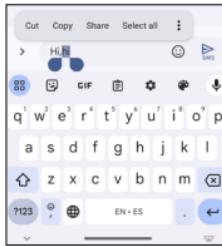
Touch and hold to switch to «ABC» mode

⑦ Touch to access the symbols and numbers keyboards

### 1.4.3 Text editing

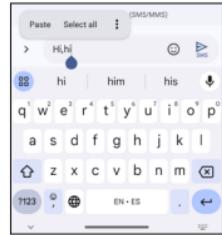
You can edit text which you have entered.

- Touch and hold or double tap within the text you want to edit.
- Drag the tabs to change the amount of text to edit.
- The following options will appear: **Cut**, **Copy**, **Share** and **Select all**.



You can also insert new texts if preferred

- Touch where you want to type, or touch and hold a blank area. The cursor will blink and the tab will appear. Drag the tab to move the cursor.
- If you have cut or copied any text, touch the tab to show the **Paste** and **Select all** option which allows you to complete pasting immediately.



## 2

# Multimedia applications

### 2.1 Camera

#### 2.1.1 Launch Camera

There are multiple ways to open the Camera app.

##### From the Home Screen

From the home screen, touch **Camera**

##### From the Lock Screen

When the screen is locked, press the **Power** key once to light up the screen, then long press the camera icon in the lower right corner to open the camera.



Drop down in the blank area for more shortcut options



- 1 Touch to access settings.
- 2 Zoom in/out
- 3 Switch between front/back camera
- 4 Take a photo
- 5 Pinch fingers together to zoom out, or spread fingers apart to zoom in
- 6 **SUPER MACRO:** Tap to access super macro mode. 4cm is the best macro shooting distance.
- 7 View the photos or videos you have taken

## 2.1.2 To take a photo

The screen acts as the viewfinder. First, position the object or landscape in the viewfinder, touch the screen to focus if necessary. Touch  to capture. The photo will be automatically saved. You can also touch and hold  to take burst shots.

## 2.1.3 To take a video

Tap **VIDEO** to change the camera mode to video. Tap  to start video recording. While the recording is in progress, you can tap  to save the frame as a separate photo.

### Further operations when viewing a photo/video you have taken

- Touch , slide left or right to view the photos or videos you have taken.
- Touch  then Gmail/Bluetooth/Messages/etc. to share the photo or video.
- Touch **Back button**  to return to **Camera**.

## 2.1.4 Modes and settings

### Modes

Slide left or right to switch between modes.

- **NIGHT:** Night mode enhances the camera's sensitivity to light, allowing you to capture details that would otherwise be lost in the dark.
- **VIDEO:** Access video mode.
- **PHOTO:** Default mode for Camera.
- **PORTRAIT:** Touch to create a depth of field effect. You can compose an image that highlights your subject while producing a gorgeously blurred background.

Touch **MORE** to access more modes. These modes can be moved to the main screen by touching 

- **MOTION:** Capture movements in motion, like shooting a basketball.
- **PRO:** Pro camera mode lets you fine-tune parameters and gives you full control over ISO, WB exposure time, aperture, shutter speed and so on.
- **LIGHT TRACE:** Capture movement, lights at night, or light painting.
- **PANO:** Use pano to capture a panoramic photo, an image with a horizontally elongated field of view. Tap the shutter button and move the phone steadily along in the direction indicated on the screen. The photo will be saved when all the slots are filled, or when pressing the shutter button again.
- **Google Lens<sup>(1)</sup>:** Google Lens is a free tool that uses Google to help you:
  - Copy and translate text
  - Search for similar products
  - Identify plants and animals
  - Discover books & media
  - Scan barcodes

### Settings

Touch  at the top right of camera screen and choose **Settings** to set more options:

- **AI scene detection:** It can detect image content and scenes, and automatically apply a specific preset to images in different scenes. This allows you to apply more aggressive presets to images that can benefit from that - like landscapes and sunsets.
- **Intelligent mode recommendation:** Tap the switch to activate/deactivate the function of recommending appropriate modes based on scenarios.
- **Watermark:** Tap to turn on/off Watermark.
- **Photo size:** Set the photo MP size.
- **Auto HDR:** Auto HDR is a shooting mode to widen the gradation, which you can record from bright parts to the dark part with the correct brightness automatically. When you are using auto HDR mode, your camera will shoot at least one photo at the optimal exposure and at least one on either side on the conditions.
- **Image quality enhancement:** Use it when you want to quickly improve the quality of your photos without manual adjustments.

<sup>(1)</sup> Your phone must also be connected to a network.

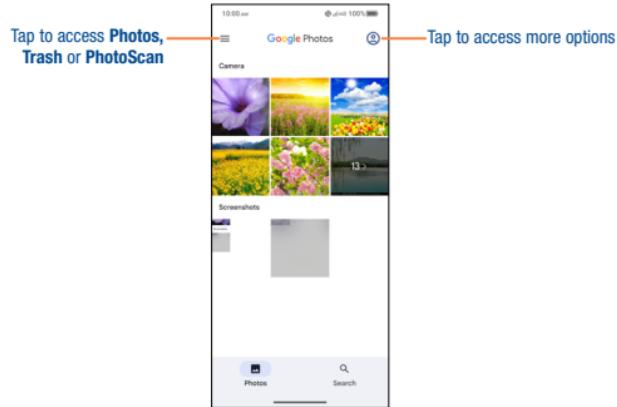
- **Quick snap:** Set the device to take a photo by pressing the volume down key twice quickly when screen is off.
- **Video quality:** Touch to select video quality.
- **Microphone:** Touch to turn on/off microphone during video mode.
- **Touch to shoot:** It allows you to take a photo by clicking on the preview area.
- **Mirror camera:** Touch to turn on/off. It allows you to save selfies as previewed without flipping them.
- **Gesture to capture:** Touch to turn on/off. Once the palm gesture feature is activated, show your palm to the camera and the device will automatically take a photo or video after few seconds.
- **Gridlines:** Show gridlines when taking photos
- **Camera leveler:** The camera level tool is a part of the Grid overlay, which is useful in itself for more balanced compositions.
- **Volume button function:** Touch to customize the Volume button to Shutter, Zoom or Volume when using camera.
- **Storage:** Touch to choose between phone and microSD™ card storage when an microSD™ card is inserted. The default is phone storage.
- **Save location information:** Tap the switch to activate/deactivate the function of tagging photos and videos with your location. This option is available when GPS location services and wireless network are enabled and permission is granted.
- **Shutter sound:** Tap the switch to enable/disable shutter sound when taking a photo or video.
- **QR code:** Tap the switch to enable/disable QR code.
- **Reset settings:** Touch to reset the camera to its factory default settings.

## 2.2 Google Photos .....



**Google Photos** acts as a media player for you to view photos and play videos. In addition, a set of further operations to pictures and videos are available for selection.

To view the photos you have taken, touch  from the Home screen.



## 2.2.1 Working with pictures

You can work with pictures by rotating or cropping them, sharing them with friends, setting them as a contact photo or wallpaper, etc.

Find the picture you want to work on, and touch the picture.



- Touch  to share the picture.
- Touch  to edit the picture.
- Tap  to access Google Lens.
- Touch  to delete the picture.
- Touch  > Use as to set the picture as a Contact photo or Wallpaper.

## 2.3 YT Music



A music streaming service and online music locker operated by Google.

You can upload and listen to a large number of songs for free. In addition to offering music streaming for Internet-connected devices, the YT Music app allows music to be stored and listened to offline. Songs purchased through the YT Music app are automatically added to the user's account.

# 3 Apps and features

## 3.1 Phone .....



### 3.1.1 Placing a call

You can easily make a call using Phone . Touch Phone  from the Home screen.



Enter the desired number from the keyboard directly or select a contact from **Favorites**, **Contacts** or **Recents**, then touch  to place the call.

The number you entered can be saved to **Contacts** by touching  **Create new contact** or **Add to a contact**.

If you make a mistake, you can delete the incorrect digits by touching .

To hang up a call, touch .

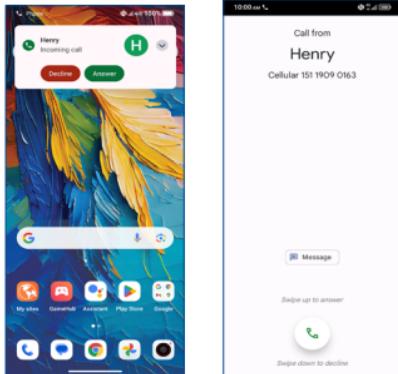
## International call

To dial an international call, touch and hold  to enter "+", then enter the international country prefix followed by the full phone number and finally touch .

## Emergency call

If your phone has network coverage, dial emergency number and touch  to make an emergency call. This works even without a SIM card and without typing the PIN code.

### 3.1.2 Answering or rejecting a call



When you receive a call:

- Swipe  up to answer.
- Swipe  down to reject.
- Touch  to reject the call by sending a preset message.

To mute the ringtone volume of an incoming call, press the **Volume up/down** key.

### 3.1.3 Calling your voicemail

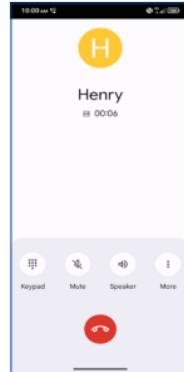
Your voicemail is provided by your network to avoid missing calls. It works like an answering machine that you can consult at any time.

To access your voicemail, touch and hold  on the dial pad.

To set your voicemail number, touch the **Menu** icon  from the Phone screen, then touch **Settings > Voicemail > Advanced Settings > Setup > Voicemail number**.

### 3.1.4 During a call

To adjust the volume during a call, press the **Volume up/down** key.



 End the current call.

 Display the dial pad.

 Touch to mute the current call. Touch this icon again to unmute the call.

 More options: put a call on hold or add call.

 To avoid accidental operation of the touchscreen during a call, the screen will be locked automatically when you put the cellphone close to your ear; and it will be unlocked when the cellphone is taken away from your ear.

### 3.1.5 Managing multiple calls

With this phone you can handle multiple calls at the same time.

#### Swap calls

When you accept two calls, touch the  icon and then switch between two lines. The current call will be put on hold, and you are able to join the other call.

## Conference calls<sup>(1)</sup>

You can set up a conference call as follows.

- Place a call to the first participant of the conference call.
- Touch  to add another call.
- Enter the phone number of the person you want to add to the conference and touch . You can also add participants from **Call logs** or **Contacts**.
- Touch  to start the conference.
- Touch  to end the conference call and disconnect all callers.

### **3.1.6 Call settings**

Touch the **Menu** icon  from the **Phone** screen, then touch **Settings**, the following options are available:

#### Caller ID & spam

Touch to enable **See caller and spam ID**.

#### Accessibility

Turn on **Hearing aids** or **Vibrate Reminder**.

#### Assisted dialing

Touch to enable assisted dialing.

**Note:** Assisted dialing predicts and adds a country code when you call while traveling abroad.

#### Blocked numbers

Block the numbers you don't want to receive calls or texts from.

#### Calling accounts

Touch to enable the call forwarding function, fix dialing numbers or access other video call settings.

#### Display options

- **Sort by**

To set the contacts display by First name or Last name.

- **Name format**

To set the name format by First name first or Last name first.

- **Choose theme**

To set the theme you prefer.

#### Quick responses

Touch to edit quick responses which will be used when you reject a call with messages.

#### Sounds and vibration

Adjust volume or select ringtone for your call, notification, alarm, etc.

#### Voicemail

Touch to set up your voicemail.

#### Advanced

- **Caller ID announcement**

Touch to enable your device to read out the caller's name and number when receiving incoming calls.

- **Flip To Silence**

Allow your device to silence an incoming call when you place it face down on a flat surface.

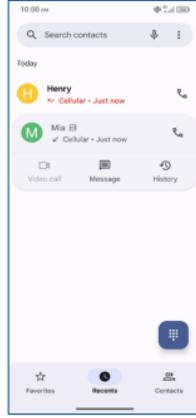
<sup>(1)</sup> Depending on your network operator.

### 3.1.7 Recents

You can access your call log by touching  from the **Phone** screen to view missed calls, outgoing calls, and incoming calls.

Touch one call to view information or further operations. You can launch a new call, send a message to the contact or number, or view detailed information of the call.

To delete the call history of a selected contact or number, touch and hold the contact and choose **Delete**.



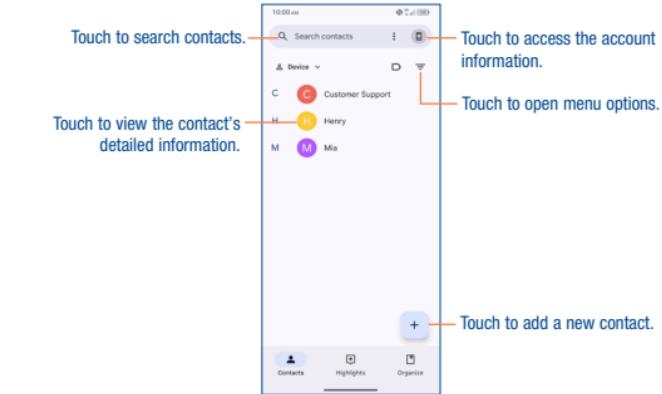
### 3.2 Contacts



**Contacts** enables quick and easy access to the people you want to reach. You can view and create contacts on your phone.

#### 3.2.1 Consult your Contacts

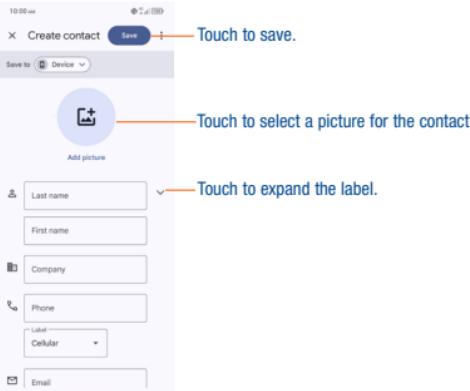
To access this feature, swipe up on the Home screen, then select **Contacts** .



### 3.2.2 Adding a contact

Touch  to create a new contact.

You are required to enter the contact's name and other contact information. By scrolling up and down on the screen, you can move from one field to another easily.



#### Add to/remove from Favorites <sup>(1)</sup>

To add a contact to favorites, you can touch a contact to view details then touch  to add the contact to favorites.

To remove a contact from favorites, touch  on the contact details screen.

### 3.2.3 Editing your contacts

To edit contact information, touch . When finished, touch **Save**.

#### Change a contact's default phone number

The default phone number (the number which has priority when making a call or sending a message) will always be displayed under the contact's name.

To change the default phone number, touch and hold the number you want to set as the default number from the contact's details screen, then select **Set default**.

This choice is only available when the contact has more than one number.

#### Set ringtone for a contact <sup>(1)</sup>

On the contact's detail screen, touch  to set ringtone.

#### Delete a contact

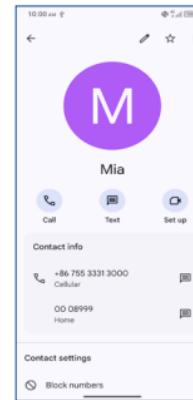
To delete a contact, touch and hold the contacts and then touch  to delete select contacts.

 The contact you have deleted will also be removed from other applications on the phone or web the next time you synchronize your phone.

### 3.2.4 Communicating with your contacts

From the contact list, you can communicate with your contacts by making a call or exchanging messages.

Touch a contact to open Quick Contact for Android, then you can touch the number to make a phone call or touch  to send a message.



The icons available on the Quick Contact panel depend on the information you have for the contact and the applications and accounts on your phone.

<sup>(1)</sup> Only phone and account contacts can be added to Favorites.

<sup>(1)</sup> You can only set one ringtone for established contacts.

### 3.2.5 Contacts importing, exporting, and sharing

From the Contacts screen, touch **Organize**, then select Import from file or **Export to file or settings**. Share a single contact or multiple contacts with others by sending the contact's vCard to them via Bluetooth, Gmail, etc.

Touch and hold the contact (s) you want to share, touch 

## 3.3 Messages .....

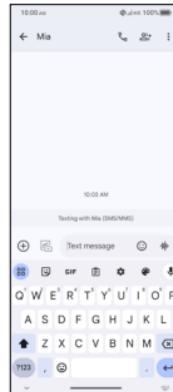


### 3.3.1 Writing a new message

You can create, edit, send and receive SMS and MMS with this phone.

To access Messages, touch  from the App drawer.

On the message list screen, touch  to write text/multimedia messages.



#### Sending a text message

- To add recipients, enter a mobile phone number or select a contact in the **To** bar.
- Touch the **Text message** bar to enter the text of the message.
- When finished, touch  to send the text message.



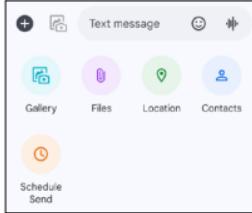
Specific letters (accented) will also increase the size of the SMS. This may cause multiple SMS to be sent to your recipient.

## Sending a multimedia message

MMS enables you to send video clips, images, photos, animations and sounds to other compatible mobiles and e-mail addresses.

An SMS will be converted to MMS automatically when media files (image, video, audio, etc.) are attached or subject or email addresses are added.

- To send a multimedia message, enter the recipient's phone number or select a contact in the To bar.
- Write the text of the message in the **Text message** bar.
- Touch  to attach a picture or video from Gallery, or attach files, location, contact, etc.



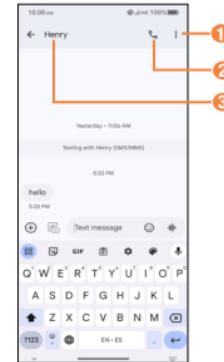
- When finished, touch  MMS to send the multimedia message.

## 3.3.2 Manage messages

When receiving a message,  will appear on the Status bar as a notification. Drag down the Status bar to open the Notification panel. Touch the new message to open and read it. You can also access the **Messages** application and touch the message to open it.

Messages are displayed as a conversation.

Touch a message to enter the message composing screen:



- ① Tap for more options
- ② Tap to call the number
- ③ Tap to save the number to Contacts or view the contact details if the number has been saved

To adjust message settings, touch  and select Message Settings on the message list screen.

## 3.4 Calendar



Use **Calendar** to keep track of important meetings, appointments, etc.

To view the calendar and create events, swipe up from Home screen, then touch **Calendar**.

### 3.4.1 Multimode view

You can display the Calendar by **Schedule**, **Day**, **3 days**, **Week**, or **Month**, touch 

### 3.4.2 To create new events

You can add new events from any Calendar view.

- Touch .
- Fill in all required information for this new event. If it is a whole-day event, you can turn on **All-day** .
- Invite guests to the event. Enter the email addresses of the guests you want to invite with commas to separate. The guests will receive an invitation from Calendar and Email.
- When finished, touch **Save** at the top of the screen.

To quickly create an event from the Day, 3 days and Week view screens, touch an empty spot to select a target area, then touch again to create a new event.

### 3.4.3 To delete or edit an event

To delete or edit an event, touch the event to enter its details screen. Touch  to edit the event, or touch  > **Delete** to delete.

### 3.4.4 Event reminder

If a reminder is set for an event, the upcoming event icon  will appear on the Status bar as a notification when the reminder time arrives.

Touch and drag down the Status bar to open the notification panel, touch an event name to view the Calendar notification list. Touch the **Back** button to keep the reminders pending in the Status bar and the notification panel.

## 3.5 Clock



Your mobile phone has a built-in clock.

To view the current time, swipe up the Home screen, then touch **Clock**.

### 3.5.1 Alarm

From the Clock screen, touch **Alarm** to enter.

- Turn on  to enable the alarm.
- Touch  to add a new alarm, touch **OK** to save.
- Touch a currently existing alarm to enter the alarm editing screen.
- Touch **DELETE** to delete the selected alarm.

### 3.5.2 Clock

To view the date and time, touch **Clock**.

- Touch  to add a city from the list.

### 3.5.3 Timer

Touch **Timer** to enter.

- Enter time in the sequence of hours, minutes, and seconds.
- Touch  to activate Countdown.
- Touch  to pause.
- Touch  to reset.
- Touch  to add one more minute for the current timer.

### 3.5.4 Stopwatch

Touch **Stopwatch** to enter.

- Touch  to start the timer.
- Touch  to show a list of records according to the updated time.
- Touch  to halt the total and lap times.

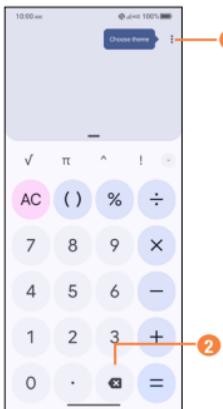
- Touch  to start a new timer.

### 3.5 Adjust Clock settings

Touch to access Clock and Alarm settings.

## 3.6 Calculator

To solve mathematical problems with **Calculator**, swipe up from the home screen, then tap .



1 Tap to access Calculation history, choose theme, privacy policy, send feedback and help.

2 Touch to delete digits one by one

## 3.7 Other applications

The previous applications in this section are preinstalled on your phone. Install additional applications using Google Play Store.

## 3.8 Google applications

Google apps are preinstalled on your phone to improve work efficiency and help you enjoy life.

This manual briefly introduces the apps. For detailed features and user guides, refer to the related websites or the introduction provided in the apps.

You are recommended to register with a Google account to enjoy all the functions.

### 3.8.1 Chrome

A web browser with which you can surf the internet.

Your bookmarks, browsing history, and settings across all devices with the browser installed can be synchronized with your Google account.

### 3.8.2 Gmail

Google's web-based email service, Gmail, is configured when you first set up your phone. With this application you can send and receive emails, manage emails by labels, archive emails, etc. Emails can be automatically synchronized with your Gmail account.

### 3.8.3 Maps

Google Maps offers satellite imagery, street maps, 360° panoramic views of streets, real-time traffic conditions, and route planning for traveling by foot, car, or public transportation. By using this application, you can find your own location, search for a place, and get suggested route planning for your trips.

### 3.8.4 YouTube

YouTube is an online video-sharing application where users can upload, view, and share videos. Available content includes video clips, TV clips, music videos, and other content such as video blogging, short original videos, and educational videos. It supports a streaming function that allows you to start watching videos almost as soon as they begin downloading from the internet.

### 3.8.5 Play Store

Serves as the official app store for the Android operating system, allowing users to browse and download applications and games. Applications are either free of charge or at a cost.

In Play Store, search for the app you need, download it and then follow the installation guide to install the app. You can also uninstall, update an app, and manage your downloads.

### 3.8.6 Meet

A video chat mobile app.

With phone numbers verified, users can easily video call people from their contact list.

### 3.8.7 Photos

Google Photos stores and backs up your photos and videos. It also automatically analyzes photos and organises them into groups, so that you can quickly find the photos you need.

### 3.8.8 Google Assistant

Long press the **Home** button to quickly ask for help, check the news, make a phone call, and more.

### 3.8.9 Files

Files displays all data stored on the phone, including both external microSD™ card and internal storage, such as applications, media files downloaded from Google Play Store, YouTube or other locations; Videos, pictures or audios you have captured; other data transferred via Bluetooth, USB cable, etc.

# 4

## Settings .....



To go to **Settings**, swipe up from the Home screen and then tap **Settings**

You can also swipe down twice from the notification panel and touch

### 4.1 My device

View basic information for your phone such as model name, CPU, camera, resolution, etc.

You can also check legal information, build number, status and other specs.

### 4.2 Wi-Fi

You can connect to the internet when your phone is within range of a wireless network. Wi-Fi can be used on your phone even without a SIM card inserted.

#### 4.2.1 To turn Wi-Fi on and connect to a wireless network

- Touch **Settings** > **Wi-Fi**.
- Turn on
- Once Wi-Fi is turned on, detected Wi-Fi networks are listed.
- Touch a Wi-Fi network to connect to it. If the network you selected is secured, you are required to enter a password or other credentials (you should contact the network carrier for details). When finished, touch **CONNECT**.

#### 4.2.2 To add a Wi-Fi network

When Wi-Fi is on, you can add new Wi-Fi networks according to your preference.

- Touch **Settings** > **Wi-Fi** > **Add network**.
- Enter the name of the network and any required network information.
- Touch **CONNECT**.

#### 4.2.3 To forget a Wi-Fi network

The following steps prevent automatic connection to networks which you no longer wish to use.

- Turn on Wi-Fi, if it's not already on.

- On the Wi-Fi screen, touch the name of the saved network.
- Touch **FORGET** in the dialog that opens.

## 4.3 Bluetooth

Bluetooth is a short-range wireless communication technology that you can use to exchange data, or connect to other Bluetooth devices for various uses.

### 4.3.1 To turn on Bluetooth

- Touch **Settings > Bluetooth**.
- Turn on .

Your device name will appear on screen.

### 4.3.2 To rename your device

- Touch **Settings > Bluetooth**.
- Touch **Device name**.
- Enter a name, and touch **RENAME** to confirm.

### 4.3.3 To pair/connect your phone with a Bluetooth device

To exchange data with another device, you need to turn Bluetooth on and pair your phone with the Bluetooth device with which you want to exchange data.

- Touch **Settings > Bluetooth > + Pair new device**.
- Touch a Bluetooth device you want to pair your phone with in the list.
- In the dialog that pops up, touch **PAIR** to confirm.
- If the pairing is successful, your phone will be connected to the device.

#### To unpair from a Bluetooth device

- Touch  beside the device you want to unpair from.
- Touch **FORGET** to confirm.

## 4.4 Network & internet

Go to **Settings > Network & internet** to enable data roaming, check the network connection you are using or create a new access point, etc.

## 4.5 Connections

### 4.5.1 Airplane mode

Turn on **Airplane mode** to simultaneously disable all wireless connections including Wi-Fi, Bluetooth and more.

### 4.5.2 Tethering & Mobile Hotspot

To share your phone's data connection via Wi-Fi, Bluetooth and USB, or as a mobile hotspot, go to **Settings > Connections > Tethering & Mobile Hotspot** to activate these functions.

#### To rename or secure your mobile hotspot

When your mobile hotspot is activated, you can rename your phone's Wi-Fi network (SSID) and secure its Wi-Fi network.

- Tap **Settings > Connections > Tethering & Mobile Hotspot > Mobile Hotspot**.
- Tap **Set up Mobile Hotspot** and then tap **Network name** to rename the network SSID or tap **Security** to set your network security.
- Tap **SAVE**.



Hotspot and tethering may incur additional network charges from your network operator. Extra fees may also be charged in roaming areas.

### 4.5.3 Data usage

The first time you turn on your phone with your SIM card inserted, it will automatically configure your network service: 2G, 3G, 4G, or 5G.

If the network is not connected, you can turn on mobile data in **Settings > Connections > Data usage**.

### 4.5.4 VPN

A mobile virtual private network (mobile VPN or mVPN) provides mobile devices with access to network resources and software applications on their home network, when they connect via other wireless or wired networks.

### 4.5.5 Private DNS

Tap to select private DNS mode.

## 4.5.6 NFC

Turn on or off the NFC function of your device. When enabled, your phone can communicate with other NFC - enabled devices.

## 4.5.7 Cast

You can use Cast to display your device's screen on your TV, and display content like TV shows, movies, photos, games, and websites from supported apps.

## 4.5.8 USB

With a USB cable, you can charge your device, transfer files or photos (MTP/PTP) between your phone and a computer.

### To connect your phone to the computer

- Use the USB cable that came with your phone to connect the phone to a USB port on your computer. You will receive a notification that the USB is connected.
- Open the Notification panel and choose the way which you want to transfer files or tap **Settings > Connections > USB connection** to select. By default, **Transfer files** is selected.



Before using MTP, make sure that the driver (Windows Media Player 11 or higher version) has been installed.

## 4.5.9 Printing

Tap **Printing** to activate **Print services**. You can select your **Default print service**.

## 4.5.10 Chromebook

Link your phone to a Chromebook so that you can text from your computer, share your phone's Internet connection and simplify unlocking.

## 4.5.11 Quick Share

The device location setting need to be on for Bluetooth and Wi-Fi to detect nearby devices.

## 4.5.12 Android Auto

Use apps on your car screen, if compatible with your car.

## 4.6 Home screen & lock screen

With this menu, set your home apps, choose your favorite wallpapers and theme styles, etc.

## 4.7 NXTPAPER zone

NXTPAPER zone offers exceptional image quality with reduced glare and reflections. Choose your preferred NXTPAPER mode.

## 4.8 Display

### 4.8.1 Brightness level

Adjust screen brightness manually.

### 4.8.2 Adaptive brightness

Optimize brightness level for available light.

### 4.8.3 Darker display mode

Turn on to lower screen brightness in dark light environment.

### 4.8.4 Mode

choose light or dark mode as your prefer, you can also set a schedule to automatically switch between light and dark modes, adapting to different times of the day.

### 4.8.5 Eye comfort mode

**Eye comfort mode** can effectively reduce blue light radiation and adjust the color temperature to relieve eye fatigue. You can also create a custom schedule to turn it on.

### 4.8.6 Reading mode

Reading mode optimizes the screen display to make the reading experience as comfortable as physical books.

### 4.8.7 NXTVISION

NXTVISION aims to enhance the viewing experience by providing improved color accuracy, clarity, and contrast on the screen.

### 4.8.8 Color mode & temperature

Change the display gamut to vivid, natural or advanced based on content.

**Note:** Eyesafe certification is only available in Natural mode or sRGB settings in Advanced mode.

## 4.8.9 Sleep

Set the inactivity duration before the screen turns off automatically.

## 4.8.10 Refresh rate

Select the refresh rate of the screen. When a high refresh rate is set, the screen will scroll more smoothly. When you select a standard refresh rate, you can use the battery longer.

## 4.8.11 High brightness mode

This feature enhances screen visibility in bright environments, such as direct sunlight, by making the screen easier to read.

## 4.8.12 Display size and text

You can adjust font size and display size, bold text and maximize text contrast in this menu.

## 4.8.13 Auto-rotate screen

Select whether the screen rotates automatically or not.

## 4.8.14 Status bar & Dotch

Set the style of the status bar:

- Allow notification icons to group in a folder
- Change how the battery percentage is displayed

Turn on the dotch for full screen apps to get the best experience on the phone.

## 4.8.15 Smart Resolution

Smart Resolution enables the device to adjust screen resolution smartly to save power.

## 4.8.16 Screen saver

In this menu, you can choose from a diverse array of screen saver styles and define when to start.

## 4.9 Sound & vibration

Use the Sound settings to configure many aspects of call ringtones, music, and other audio settings.

### 4.9.1 Phone ringtone

Set your incoming call ringtone or opt for the phone to vibrate only.

## 4.9.2 Notification ringtone

Set the default sound for notifications.

## 4.9.3 Alarm ringtone

Set your alarm ringtone.

## 4.9.4 3D Boom Sound

Tap  to activate 3D surround sound, which creates an immersive sound experience.

## 4.9.5 Live Caption

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

## 4.9.6 Do Not Disturb

If you do not want to be disturbed by your phone or information ringtones during work or rest, you can set the **Do Not Disturb** mode.

Swipe down the Status bar twice to access the Quick Settings panel and tap  to turn on Do Not Disturb.

## 4.9.7 Vibration & haptics

With this menu, you can set ring vibration, notification vibration, alarm vibration, etc.

## 4.9.8 More sound settings

Set dial pad tones, screen locking sounds, tap sounds, etc.

## 4.10 Notifications

In Notification settings, you can set App icon badges, Lock screen quick settings, etc.

## 4.11 Smart Manager

**Smart Manager** ensures your phone is operating in top form by automatically scanning and providing recommendations to optimize your phone to preserve battery levels, manage storage and protect against security threats.

Restricting auto-start apps can make the system run faster and extend battery life.

## 4.12 Storage

Enter **Settings > Storage** to check the usage of storage space and free up more when necessary.

## 4.13 Apps

Touch to view details about the applications installed on your phone, to manage their data usage or force them to stop.

In the **Permission manager** menu of an application, you can grant permissions for the app, such as allowing the app to access your **Camera, Contacts, Location**, etc.

## 4.14 Advanced features

### 4.14.1 NXTURBO & RAM Expansion

#### NXTURBO

NXTURBO optimizes your phone's performance by intelligently managing system resources. Once activated, it speeds up app launches, reducing waiting time and enhancing the overall smoothness of your user experience.

#### RAM expansion

RAM expansion extends your phone's available random. It enables your phone to run more apps in the background without major slowdowns, enhancing multitasking and ensuring smooth operation even during heavy usage.

### 4.14.2 Gestures

To set some gestures for convenient use, such as 3-finger screenshot.

### 4.14.3 Power key

#### Double press power key

To quickly open NXTPAPER mode, press the power button twice. It works from any screen.

#### Long press power key

To access Google Assistant, long press the power key.

#### Power button ends call

Press the power button to end a call.

### 4.14.4 Screen Recorder

Set the video resolution, Sound and Record tap interactions.



To activate Screen Recorder, tap the icon in the Quick Settings panel.

### 4.14.5 Sidebar

Tap to activate sidebar, choose gesture launch or handle launch.

## 4.15 Security & privacy

### 4.15.1 App security

Play Protect regularly checks your apps and device for harmful behavior. You will be notified of any security risks found.

### 4.15.2 Device unlock

#### Screen lock

Select one method such as Swipe, Pattern, PIN, Password to unlock the screen.

#### Face & Fingerprint unlock

You can set face unlock and finger print unlock under this menu.

(Please refer to chapter 1.3 Lock/Unlock your screen)

### 4.15.3 Account security

Add a Google account before checking up whether it is insured or not.

### 4.15.4 Device finders

It helps you to find your lost device, wipe lost device data remotely, and perform a host of other security functions. Before activating this function, please add a Google account.

### 4.15.5 System & updates

You can check the update status of system under this menu.

### 4.15.6 Privacy

To protect your privacy, you can set an app to be allowed or forbidden access to your location, microphone, etc. Also, whether or not to show passwords, choose the data that you want app to access.

## 4.15.7 Other settings

You can also set Device admin apps, SIM lock, Encryption & credentials, Trust agents, etc.

## 4.16 Location

Tap to set whether to allow an app to access your device's location. You can set to allow continual access, or only while the app is in use.

## 4.17 Safety & emergency

Access **Settings > Safety & emergency > OPEN PERSONAL SAFETY** to set medical information and emergency contacts.

Adding medical information and emergency contacts can help first responders in an emergency.

Anyone can read this information from your lock screen and dial your contacts by tapping their names, without unlocking your phone.

You can also set Emergency SOS, Emergency Location Service or Emergency alerts in this interface.

## 4.18 Accounts

Touch to add, remove, and manage your email and other supported accounts. You can also use these settings to control the options for how all applications send, receive and synchronize data; i.e. if this is done automatically, according to a schedule for each app, or not at all.

Touch **Add account** to add an account for the selected app.

## 4.19 Digital Wellbeing & parental controls

In this menu you can find how much time you have spent on the phone and even on each app. You can customize the time limit for using the phone to ensure a healthy and balanced life.

In addition, parents are able to restrict their children's usage time to manage their browsing habits.

## 4.20 Google

Touch to configure your Google account and service settings.

## 4.21 Accessibility

Use the Accessibility settings to configure any accessibility plug-ins you have installed on your phone.

## 4.22 System

### 4.22.1 System Update

If you want to update the system, touch **Check for new update** (refer to "5 FOTA upgrade").

### 4.22.2 Update apps

It allows you to upgrade installed applications.

### 4.22.3 Navigation mode

Select your favorite navigation and button layout.

### 4.22.4 Languages

Touch to configure System languages, APP languages, Regional Preference, Voice input, on-device recognition, Text-to-speech settings, etc.

### 4.22.5 Keyboard

Touch to set the on-screen keyboard according to your preferences. You can also activate the spell checker, add words in the user dictionary and set the pointer speed under this menu.

### 4.22.6 Date & time

Use Date & time settings to customize your preferences for how date and time are displayed.

### 4.22.7 Backup

Turn on  to back up your phone's settings and other application data to Google servers. If you replace your phone, the settings and data you've backed up will be restored onto the new phone when you sign in with your Google account.

### 4.22.8 Multiple Users

Share your phone by adding new users. Each user has a personal space on your phone for custom Home screens, accounts, apps, settings, and more.

### 4.22.9 Reset options

Tap to reset all network settings and app preferences, you won't lose your data with these settings.

If **Factory data reset** is selected, all data in your phone's internal storage will be erased, please back up your data before reset.

#### 4.22.10 Regulatory & safety

Touch to view product information such as **Product model**, **Manufacturer name**, **IMEI**, **CU reference**, **Bluetooth Declaration ID**, etc.

## 5

## FOTA upgrade

Use the FOTA (Firmware Over The Air) upgrade to update your phone's software.

To access updates, from the app list, touch **Settings > System updates**. Turn on data connection or Wi-Fi before searching for updates.

With Wi-Fi turned on, the system is able to discover if a new firmware version is available and if so, begin to download it automatically. Once finished, a pop up dialog will give you the option of updating your phone now or later.

If you only have a cellular network connection, you will only receive a notification which will appear in the Status bar.

During FOTA downloading or updating, to avoid errors in locating the correct update packages, do not change your default storage location.

# 6 Safety and use .....

## **Please read before using your phone**

THE BATTERY IS NOT FULLY CHARGED WHEN YOU TAKE IT OUT OF THE BOX.

It is advised that you fully charge your battery before first use.

### **Privacy restrictions**

Some countries require full disclosure of recorded telephone conversations and stipulate that you must inform the person with whom you are speaking that the conversation is being recorded. Always obey the relevant laws and regulations of your country when using the recording feature of your phone.

### **Disclaimers**

ANY WEATHER, STOCK, OR OTHER INFORMATION, DATA, OR DOCUMENTATION ("ACCESSED INFORMATION") ARE PROVIDED "AS IS" AND WITHOUT ANY WARRANTY OR ANY TECHNICAL SUPPORT. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, TCL MOBILE AND ITS AFFILIATES expressly disclaim any and all representations and warranties, arising by law or otherwise, related to the Accessed Information, including without limitation any express or implied representation or warranty of merchantability, fitness for a particular purpose, non-infringement, quality, accuracy, completeness, effectiveness, reliability, or usefulness. Without limiting the foregoing, it is further understood that TCL Mobile and its Affiliates are not responsible for any use of the Accessed Information or the results arising from such use, and that you use such information at your own risk.

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## **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.



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### **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**

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

### **Safety precautions for power supply unit**

#### **Chargers**

The included USB cable supports up to 3A charging. Charger not included. For optimal charging performance, use an 18W/33W/45W charger.

Only charge your phone with the included cable or compatible charging accessories, that is compliant with US regulations and international safety standards. Other adapters may not meet applicable safety standards, and charging with such adapters could pose a risk of death or injury. Failure to use compatible charging accessories can cause fire, electric shock, injury, or damage to the device and the accessories.

**Note:** The AC adapter must be certified with a Limited Power Source output per IEC 60950-1 and/or classified PS2 per IEC 62368-1, rated: 5 Volts DC, maximum 3 Amp; 9 Volts DC, maximum 3 Amp when used with USB PD enabled AC adapter, and up to 11 Volts DC, maximum 3 Amp for USB PD 3.0 PPS enabled AC adapter and qualified per CTIA Certification Requirements for Battery System Compliance to IEEE 1725.

#### **Take extra precautions**

- Do not attempt to open the back cover.
- Do not attempt to eject, replace, or open the battery.
- Do not puncture the back cover of your phone.

- Do not burn or dispose of your phone in household garbage or store it at temperature above 60°C (140°F).

Phone and battery as a unibody device must be disposed of in accordance with locally applicable environmental regulations.

- Do not disassemble or open crush, bend or deform, puncture or shred
- 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.
- Only use the battery with a charging system that has been qualified with the system per CTIA Certification Requirements for Battery System Compliance to IEEE 1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.

Only authorized service providers shall replace battery. (If the battery is non-user replaceable).

- Promptly dispose of used batteries in accordance with local regulations.
- Improper battery use may result in a fire, explosion or other hazard.
- Do not replace an embedded battery pack. Improper replacement may present a risk of fire, explosion, leakage or other hazard. Contact the manufacturer for replacement instructions.
- Provide an explanation of the security implementation (refer to CRD Section 9.1).

For those host devices that utilize a USB port as a charging source, the host device's user manual shall include a statement that the phone shall only be connected to CTIA Certification certified adapters, products that bear the USB-IF logo or products that have completed the USB-IF compliance program.

 This symbol on your phone, the battery, and the accessories mean that these products must be taken to collection points at the end of their life:

- Municipal waste disposal centers with specific bins for these types of equipment.
- Collection bins at points of sale.

They will then be recycled, preventing substances from being disposed of in the environment, so that their components can be reused.

## Safety precautions for direct sunlight

Keep this product away from excessive moisture and extreme temperatures. Do not leave the product or its battery inside a vehicle or in places where the temperature may exceed 140°F (60°C), such as on a car dashboard, windowsill, or behind a glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. This may damage the product, overheat the battery, or pose a risk to the vehicle.

## PROTECT YOUR HEARING



To prevent possible hearing damage, do not listen at high volume levels for long periods. Exercise caution when holding your device near your ear while the loudspeaker is in use.

## Safety in aircraft

Due to the possible interference caused by this product to an aircraft's navigation system and its communications network, using this device's phone function on board an airplane is against the law in most countries. If you want to use this device when on board an aircraft, remember to turn off your phone by switching to Airplane Mode.

## Environment restrictions

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

## Explosive atmospheres

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

## Road safety

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

## Nonionizing radiation

Your device has an internal antenna. This product should be operated in its normal-use position to ensure the radiative 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 non-compliance with local regulatory requirements in your country.

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

## Electrical safety

### ■ Accessories

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

### ■ Connection to a car

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

### ■ Faulty and damaged products

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

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

### ■ Device getting warm after prolonged use

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

### ■ Heed service markings

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

### ■ Protect your phone

- Always treat your phone and its accessories with care and keep them in a clean and dust-free 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, maximum 140°F (60°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 provider under the following conditions:

- Liquid has been spilled or an object has fallen onto the product.
- The product has been exposed to rain or water.
- The product has been dropped or damaged.

- There are noticeable signs of overheating.
- The product does not operate normally when you follow the operating instructions.

**Avoid hot areas**  
The product should be placed away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce 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 cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.

**Air bags**  
Do not place a phone in the area over an air bag or in the air bag 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 place the product on 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 must be pressed, such as message templates and predictive text.
- Take lots of breaks to stretch and relax.

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

**Loud noise**  
This phone can produce 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.

 Not all 911 emergency service providers can receive location information. Be prepared to report your precise location/address when calling 911. The device location cannot be identified in all circumstances.

## Regulatory agency identifications

For regulatory identification purposes, your product is assigned a model number of T513V. To ensure continued reliable and safe operation of your device, use only the accessories listed below with your T513V device.

Standard accessories:

- Type C USB cable
- SIM pin
- Quick Start Guide
- LCD sticker

This may vary depending on country.

Operating temperature range: 32°F to 104°F (0°C to 40°C)

## Federal Communication Commission Interference Statement

This equipment 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 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 or television technician for help.**

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device 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.

Electronic labeling path: Touch **Settings > System > Regulatory & Safety** or press \*#07#, you can find more information about labeling <sup>(1)</sup>, such as FCC ID.

## Important Note

### Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter, except the transmitters built-in with the device.

### SAR Information

1.12 W/Kg @ 1g (HEAD)

1.27 W/Kg @ 1g (BODY)

<sup>(1)</sup> This may vary depending on country.

THIS MODEL DEVICE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES. For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the TCL Mobile Limited. Accessories supplied or designated for this product. Use of other accessories may not ensure compliance with the FCC RF exposure guidelines.

Your wireless mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992.
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986.
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996.
- Ministry of Health (Canada), Safety Code 6. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phone employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg\*.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of <https://ajlfoss.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> after searching on FCC ID: 2ACCJH187 . Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Website as <http://www.ctia.org/>.

\* In the U.S. and Canada, the SAR limit for mobile phone used by the public is 1.6 Watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in usage.

Normal condition only to ensure the radiative 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.

### Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 15 mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

## FCC RF Radiation Exposure Statement

- This transmitter has been demonstrated co-location compliance requirements with Bluetooth® and WLAN. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

## Hearing Aid Compatibility (HAC)

This device is hearing aid-compatible as determined by ANSI C63.19-2019 and waiver DA-23-914. The lowest conversational gain is 17.89 dB with a hearing-aid, and 14.57 dB without a hearing-aid, using telecoil coupling capability.

A handset that demonstrates compliance to ANSI C63.19-2011 shall be rated in accordance with section 20.19(b)(2)(i) M and T ratings. 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.

The table below shows the wireless technologies (including frequencies/bands by air interface and codec) that were tested or not tested according to FCC rules and limited waiver DA23-914:

Air Interface	Bands	Codec	HAC		
			RF	T-coil	Volume control
LTE/NR/WIFI	LTE:2/4/5/7/12/13/48/66	EVS-NB/WB	Yes	Yes	Yes
	NR:2/5/48/66/77/78	AMR-NB/WB	Yes	Yes	Yes <sup>(1)</sup>
	WIFI:2.4GHz,UNI1/2A/2C/3	EVS-SWB, Opus	Yes	Yes	No
UMTS/GSM	GSM850/1900	EFR (GSM only)	Yes	Yes	Yes <sup>(1)</sup>
	UMTS: II/IV/V	AMR-NB/WB			
		Opus	Yes	Yes	No

(1) According to FCC waiver DA 23-914, Hearing Aid compatibility only partially tested for the conversational gain.

## Telecommunications & Internet Association (TIA) safety information

### Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 15 cm (6 inches) be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn the phone OFF immediately.

### Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

### RoHS compliance

This product is in compliance with Directive 2011/65/EU of the European Parliament and of the Council of 7 January 2003, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

### Electronic Recycling (Within USA Only):

For more information on Electronic Recycling, please visit the TCL Electronic Recycling Program at <https://www.tcl.com/us/en/mobile/accessibility-compliance/tcl-mobile-electronic-recycling-program.html>.

### Battery Recycling (USA & Canada):

TCL partners with Call2Recycle® to offer a safe and convenient battery recycling program. For more information on our Battery Recycling Program, please visit the USA and Canada website at <https://www.tcl.com/us/en/mobile/accessibility-compliance/tcl-mobile-battery-recycling-program.html>.

## Recycling Information

We declare that the Post-consumer recycled and bio-based plastics content added to our product is zero.

Call Recycle Customer Support at 1-855-224-4228 for recycling instructions.



# TCL