# Mobile Computer

# DT610

# User Guide

UROVO PTE. LIMITED

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# About the Guide

**Introduction**

This Guide offers information on the usage of DT610 mobile computer and its accessories.

Note: The screens and windows described in this Guide are samples, which can differ from the actual ones.

# Service information

You can visit the official website (https://en.urovo.com) of Urovo PTE. LIMITED. (hereinafter referred to as Urovo) whenever possible to gain quick network support services:

Click the search box and enter corresponding product model to query the machine's configuration information. Click maintenance query to query information of the nearest service center or enter the serial number (SN) of your device in the search box for maintenance progress to query the maintenance state to follow up the state of the device in maintenance in time! Service hotline: 400-888-6989.

Please offer the following information while contacting the Support Center:

- Device SN (Serial Number)
- Model or product name
- Software type and version number: check the device"Settings-System-About Phone"

Thanks for your cooperation!

## Provision of document feedback

If you have any comment, question or advice on this Guide, please e-mail to tech@urovo.com 或 service@urovo.com

# Unpacking

1. Please carefully remove all the protective materials around DT610 and keep the device case for storing and transporting the device in the future.

2. Please check the following elements:

- DT610 intelligent terminal×1
- Adapter×1
- USB cable×1
- Quick start guide×1

3. Inspect the device for damage. If any equipment is damaged or missing, please contact customer service support or the local distributor.

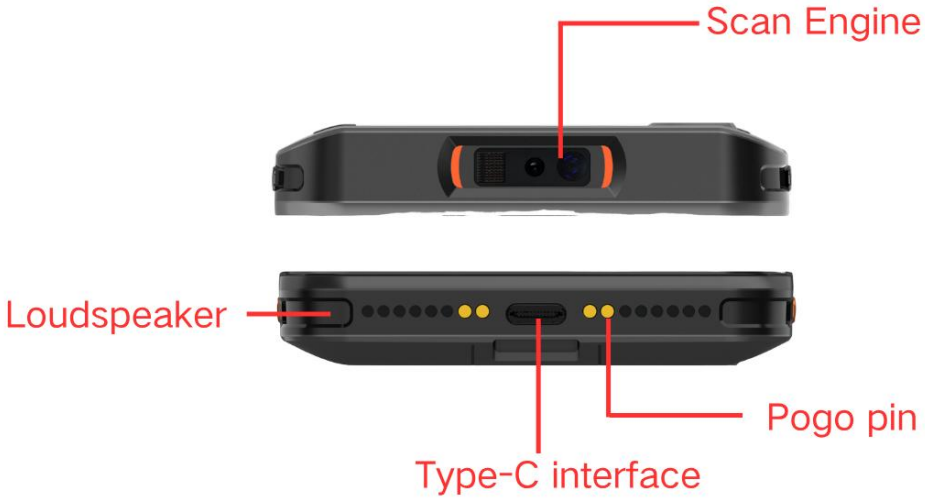
4. Please remove the screen shipping protective film before using.

# Chapter 1-About The DT610 Features

This chapter introduces the basic functions of the DT610, battery precautions and usage, etc.

*In this section, all versions of the device are referred to as the DT610 unless the information is model type specific. Device applications and settings vary by computer model and operating system version. Your computer may not include all features shown in the manual.*

## Features of the DT610




About the Battery

The DT610 uses a rechargeable lithium-ion battery as its main power source. There are several factors that determine the life of your battery, such as display brightness, display timeout, input device, extreme temperature, and usage conditions.

Caution: Before attempting to install, use, or charge the battery, please read the battery recommendations, safety precautions, and related guidelines in this chapter.

## Battery Identification

The battery used in the device varies from models. Please ensure you use the original factory-supplied battery. If you need to purchase a replacement battery, please contact your local sales representative.

| Computer/Device | Battery Model |
|---|---|
| DT610 | HB40DT610 |

## Safety Precautions

Caution: Only use the manufacturer-specified charger. Do not disassemble, impact, crush, or throw into fire. Discontinue use if the battery becomes severely swollen. Do not expose to high temperatures, and do not use after water immersion.

- Do not store the battery in places exceeding 60°C (140°F), such as inside vehicles parked in hot weather under direct sunlight, near radiators, or other heat sources.
- Do not use the battery if it is noticeably deformed, swollen, or discolored. Replace it immediately and dispose of it as outlined in the caution provided at the beginning of this Safety section.
- Do not use the battery if it is too hot to handle. Replace it immediately and discard it.
- Do not disassemble, open, crush, bend, deform, puncture, or shred the battery.
- Do not drop the battery or apply mechanical shock or pressure to it.
- Do not short-circuit the battery or allow metal or conductive objects to touch its terminals.
- Do not throw the battery into fire, or expose it to high-temperature environments like

microwaves or dryers.

- Do not modify or refurbish the battery, insert foreign objects into it, submerge it in water or other liquids, or expose it to fire, explosion, or other hazards.
- The charging area for the device should be free of debris, flammable materials, or chemicals. Extra care should be taken when charging the device in non-commercial environments.
- Batteries should be stored safely out of the reach of children.
- Follow local regulations for the proper disposal of used rechargeable batteries. Discarded batteries may pose safety hazards. Cover battery terminals with electrical insulating tape before disposal.
- If a battery is accidentally swallowed, seek medical attention immediately.
- If the battery leaks, avoid contact with the liquid. If contact occurs, rinse the affected area with plenty of water and seek medical advice.

## Use and Storage

When setting up your device, you should consider how applications, services, and user interface settings affect battery consumption. Configure the screen timeout feature to turn off the screen as early as possible, and enable adaptive brightness to reduce battery usage. Disable unnecessary applications or services running in the background to prevent battery drain. Use the Battery Saver and Battery Management features to conserve power. If network connectivity is limited or unnecessary, enable Airplane Mode to save battery life.

Please note that the capacity of lithium-ion batteries declines over time due to the stress of repeated charge and discharge cycles and environmental factors such as extreme operating or storage temperatures and humidity. As the battery's lifespan or health deteriorates, it may drain faster or take longer to recharge.

For the use and storage of batteries, please follow the recommendations below.

- For optimal charging performance, charge the battery in an environment between 0°C (32°F) and 40°C (104°F). Avoid charging in extremely hot or cold conditions.
- Always use the manufacturer-specified charger to ensure safety and optimal charging. Do not use incompatible batteries or chargers, as doing so may result in fire, explosion, leakage, or other hazards.
- Batteries should be replaced regularly, typically every two years, or if the battery health falls below 70% (refer to page 15 for Checking the Battery Status).
- When the battery status icon indicates low power, charge the battery immediately or replace it with a spare. Avoid completely depleting the battery, as this puts stress on the battery and may

shorten its lifespan.

- Avoid overcharging: Disconnect the power once the battery is fully charged to prevent overcharging, as it can degrade battery performance.
- If you plan to store the device unused for several days (e.g., over weekends or holidays), insert a fully charged battery and activate Airplane Mode or power off the device.
- For battery storage, charge the battery to approximately 50% at around 25°C (77°F), and store it in an environment at the same temperature for maximum battery lifespan.
- If the device will not be used and needs to be stored for more than a few days, remove the battery after charging or use the battery charger to charge the battery. Once the battery is done charging, store the battery and device separately in a cool, dry location. Periodically check the battery's charge level. This is especially important for batteries stored for several months, as they gradually self-discharge, and a fully depleted battery may impact its lifespan.

# Charge the Battery Before Use

The DT610 device is equipped with a removable battery. Charge the battery for at least 3 hours before using the unit with the supplied adapter and cable or battery dock charger. Note that using the device at the same time as charging the battery will increase the time required for a full charge.

The battery has not been installed in the freshly unpacked unit, See Install the Battery on page 11.

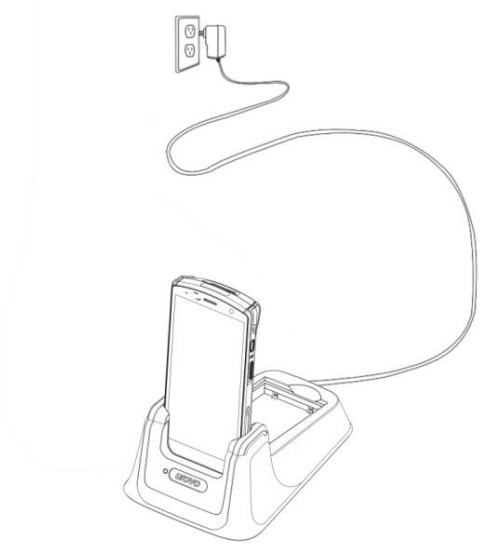
Charge the device as follows.

1. Connect the charging accessory to the appropriate power source;

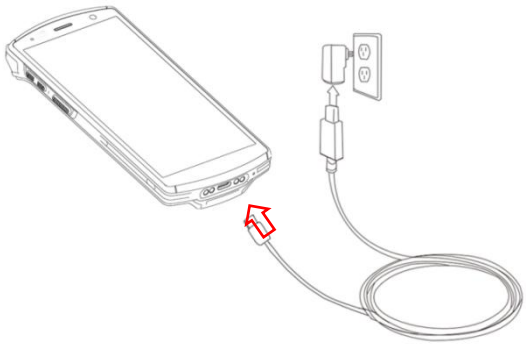
2. Insert the DT610 into a cradle or attach to a USB cable. The DT610 turns on and begins charging. The Charging/Notification LED red then turns green when fully charged.

*Note: the following illustrations are for reference only, the appearance of the equipment to the specific physical shall prevail*

**Charging With Cradle**



**Charging with USB Cable**



The indicator light is located at the top left of the front of the device.The status of the charging indicator is as follows.

| State | LED | Indication |
|---|---|---|
| Off | ◯ | DT610 is not charging. DT610 is not inserted correctly in the cradle or connected to a power source.<br>The charger/cradle is not powered |
| Long red light | 🔴 | DT610 is charging |
| Long green light | 🟢 | Charging complete, Please remove the power supply promptly |

# Change Battery

Caution: Keep your hands dry and make sure all parts are dry before placing the battery in the device. mating wet components may cause damage not covered by the warranty.

## Hot Swap

The device includes an internal battery that provides limited power for hot swap the main battery as needed. The hot swap battery powers the display, Wi-Fi, and running applications. When the main battery is removed, it must be replaced with a fully charged battery within the specified time of 60 seconds. The device will not shut down and will maintain its original working state.

Please take note of the following.

- The internal battery is user-replaceable.
- Do not install or remove the Micro SD card while performing a hot swap.
- The internal battery is charged by the main battery, but frequent consecutive hot swaps in a short period may deplete it.
- Performing a hot swap while multiple applications are running may cause the internal battery to drain faster. Extreme temperatures can also affect the rate at which the internal battery capacity is consumed.
- If the internal battery is depleted and you attempt a hot swap, the device will shut down, and you may lose unsaved data. Therefore, ensure that important files are saved before replacing the battery. If the device shuts down, install the new battery and press the power button to restart the device.
- If you attempt to replace the battery during a call, the call will be terminated.

## Install the Battery

1. Push from both sides toward the center.

2. Slide both sides to the center to remove the battery cover.

Hold both rear lock covers to the center,then put the battery outward.

3. Install the battery. The installed battery is flat in the battery compartment.

4. Place the back cover fully, then push down the lock buckle.

## Replace the Battery

When the battery is low, you have the option of charging the device or replacing it with another fully charged battery. Spare batteries can be purchased separately.

When replacing the battery, either power off the unit or begin hot swap. See Hot swap on page 10.

1. Slide the rear cover lock to the center.

2. Slide according to the direction of the arrow to remove the battery cover.

3. Lift the battery upward, and then install the replacement battery. Refer to the Install the Battery on page 11.

4. Place the back cover fully, then push the lock buckle to the left.

# Check the Battery Status

In addition to the battery status icons and LED, you can use one of the following methods to monitor the battery status:

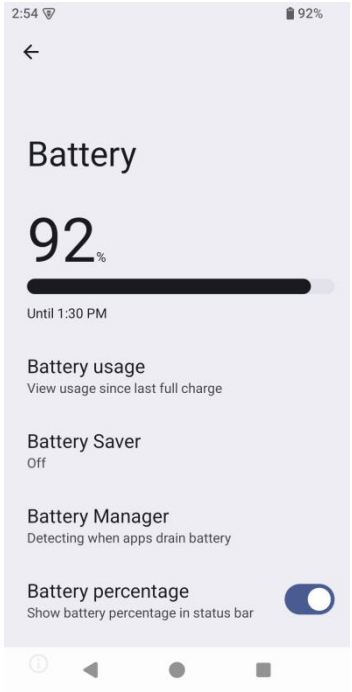
Select one of the following:

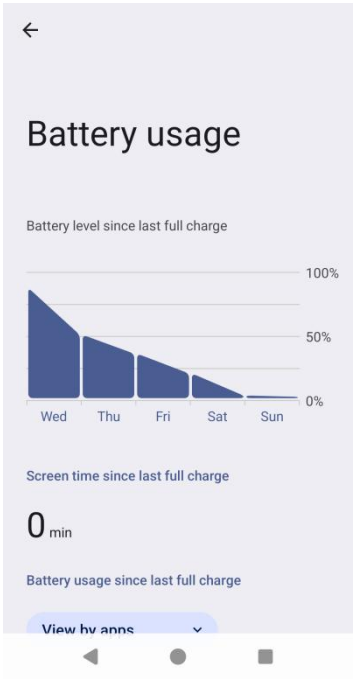
- Settings >Battery

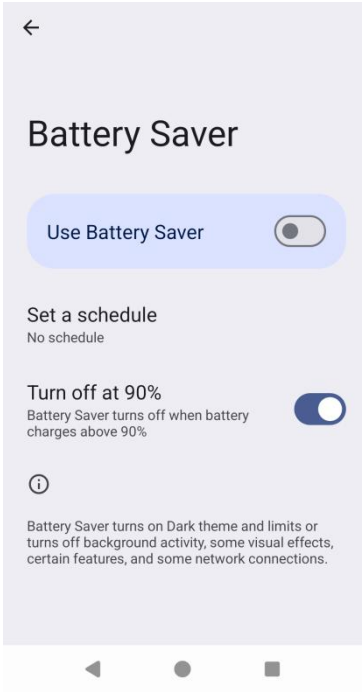
You can view current remaining battery Level, remaining usage time and Battery usage. You can also access the battery saver feature to minimize power loss.

- Battery Management

In this application you can check the remaining battery capacity level and battery health, and by checking the **Battery usage** you can check the **Battery level and Screen time since last full charge. Besides,by checking the Battery Saver,you can use the battery longer.**If the battery health level is below 70%, consider purchasing a new battery.



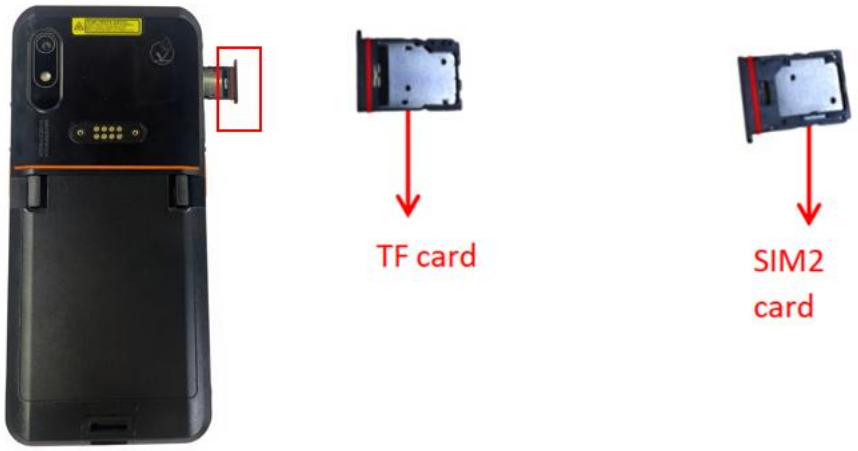



# Chapter 2-Using The Device

## Installing SD/SIM Card

1. Remove the battery cover and battery. See Replace the Battery on page 12.
2. Insert the TF Card/SIM2 card into the card slot (as shown).




3. Install the battery. See Install the Battery on page 11.

Note: SIM card is Nano-SIM card.

Attention: Please keep the card and hands dry when installing the SIM card. And keep the surface of the card clean to avoid poor contact

## Turn On/Off DT610

**Turn On**

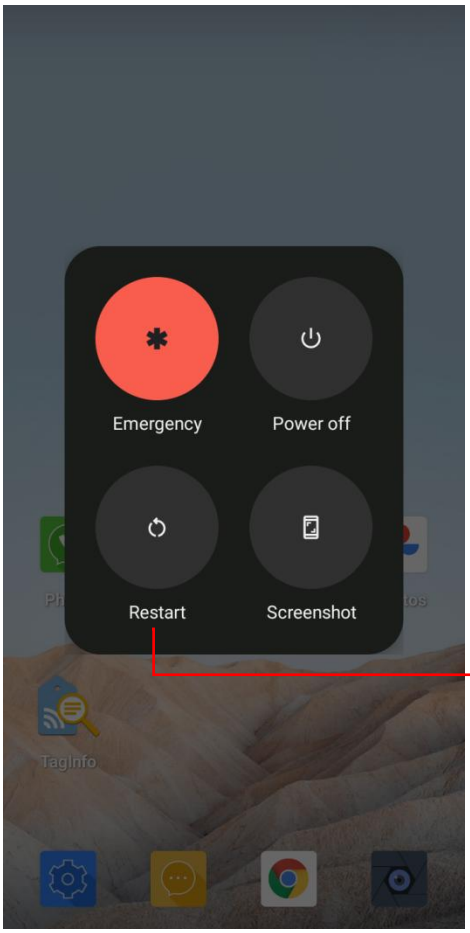
1. In the shutdown of long press the "power key";

2. When DT610 goes into startup mode, it vibrates;
3. Release the "Power Key" and wait until DT610 finish booting.

If you cannot turn on your DT610, try the below steps:
1. If the battery is running low, charge the device first
2. Press and hold the "power key" for over 10 seconds to force reboot.

**Turn Off/Restart**

Press the power button for a long time in the power-on state until the shutdown prompt appears. Click "Power off".




Touch to restart the device.

# Un-locking the Screen

Use the Lock screen to protect access to data on the device. Some email accounts require locking the screen.

When locked, a pattern, PIN, or password is required to unlock the device. Press the Power button to lock the screen. The device also locks after a pre-defined time-out.Press and release the Power button to wake the device. The Lock screen displays.The screen lock automatically activates every time when the display is turned off to prevent unauthorized people . You can wake and unlock when you want to use it again.

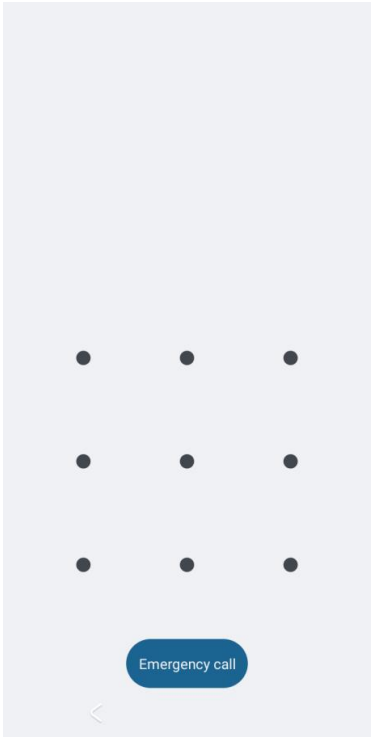
**Lock Screen**

1. Setting Method:
2. Open”Settings-Security-Screen lock”.
3. Choose one of the following options:

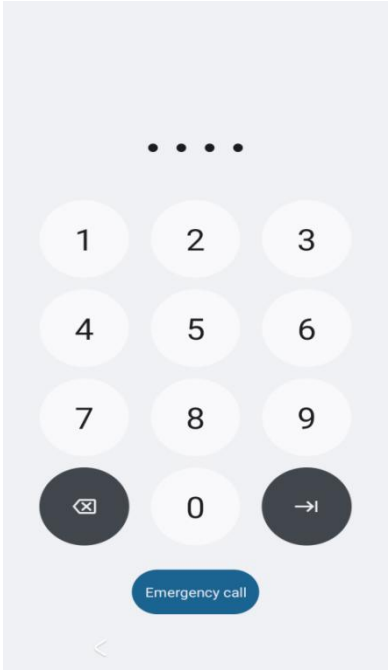
- None
- Swipe
- Pattern
- PIN
- Password
- Fingerprint

4. Follow the on-screen prompts to complete the setup.
5. Exit the setting app.

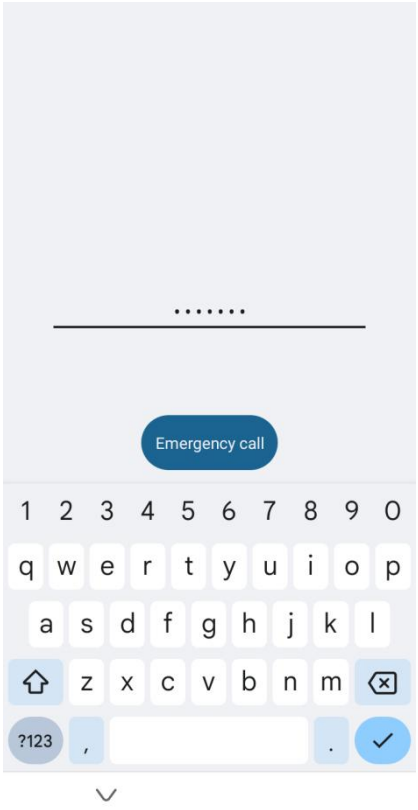
Swipe the screen up to unlock. If the Pattern screen unlock feature is enabled, the Pattern screen appears instead of the Lock screen. If the PIN or Password screen unlock feature is enabled, enter the PIN or password after unlocking the screen.




**Pattern Screen**
Unlock with pattern.



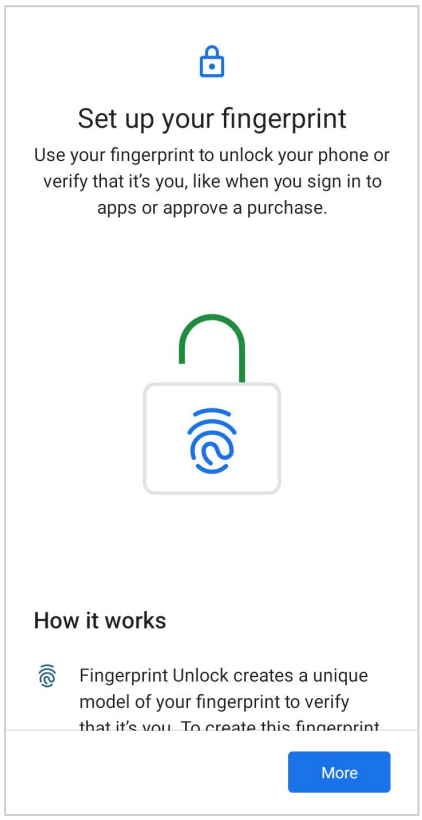

**Password Screen**
Unlock with your password.




**PIN Screen**

If the user enters the PIN, password or pattern incorrectly five times, they must wait 30 seconds before trying again.

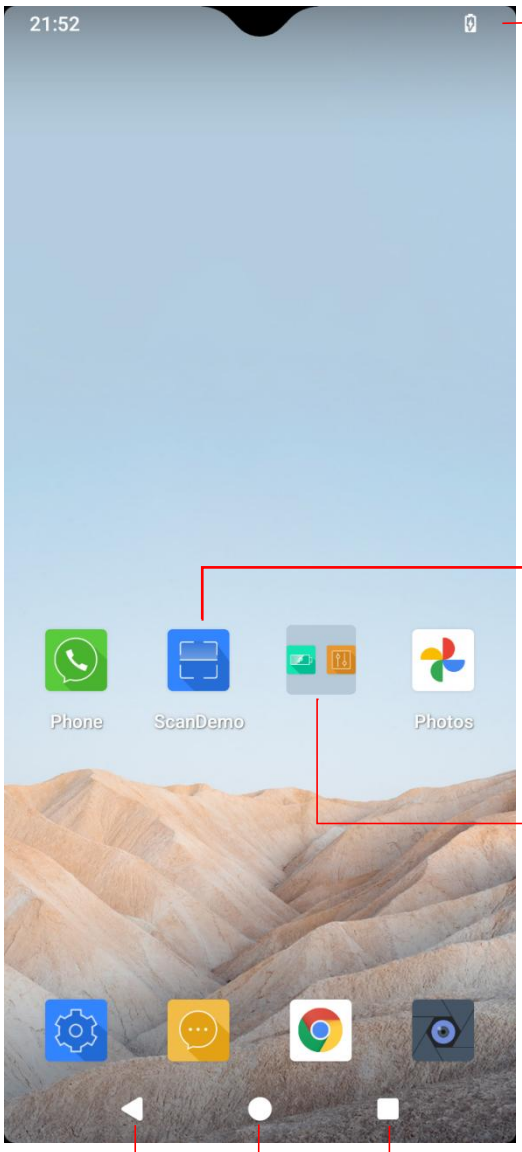
If the user forgets the PIN, password or pattern contact the system administrator.




**Fingerprint Screen**

You can unlock the device by using the fingerprint sensor. Press your finger firmly on the fingerprint sensor at the backside and capture multiple areas of your finger. Follow the on-screen instructions to complete the setup.

# Home Screen




**Status Bar**
Displays the time, status icons , and notification icons.

**Application**
Click on an icon to run an application.

**Folder**
Contains apps.

**Back**
Displays the previous screen.

**Home**
Displays the Home screen.

**Recent Button**
Displays recently used applications.

Note: Some Status icons may not appear in the Status bar if there are too many icons to display.

***Some of the status icons are listed on the next page.***

# Status Icons

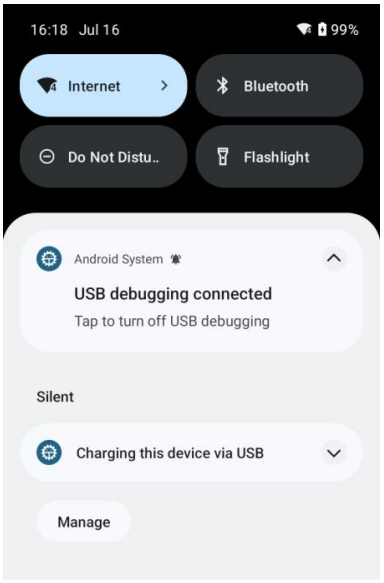
| Icon | Description |
|---|---|
| | Alarm is active. |
| | Main battery is fully charged. |
| | Main battery charge is low. |
| | Main battery charge is very low. |
| | Main battery is charging. |
| | All sounds, except media and alarms, are silenced and vibrate mode |
| | Do Not Disturb mode active. |
| | Airplane Mode is active. All radios are turned off. |
| | Bluetooth is on. |
| | The device is connected to a Bluetooth device. |
| | Connected to a Wi-Fi network. |
| | Not connected to a Wi-Fi network or no Wi-Fi signal. |
| | Connected to an Ethernet network. |
| | Speakerphone enabled. |
| | Portable Wi-Fi hotspot is active. |
| 4G LTE | Connected to a 4G LTE/LTE-CA network1. |
| 5G | Connected to a 5G network |
| | Roaming from a network. |
| | No SIM card installed. |

# Notification Icons

| Icon | Description |
|---|---|
| | More notifications are available for viewing. |
| | Data is syncing. |
| | Indicates an upcoming event. Non-GMS devices only. |
| | Indicates an upcoming event. GMS devices only. |
| | Open Wi-Fi network is available. |
| | Song is playing. |
| | Problem with sign-in or sync has occurred. |
| | Device is uploading data. |
| | Device is downloading data when animated and download is |
| | Device is connected to or disconnected from virtual private |
| | Preparing internal storage by checking it for errors. |
| | Call is in progress. |
| | One or more voice message is in mailbox. |
| | Call is on hold. |
| | Call was missed. |
| | Headset is connected to the device. |

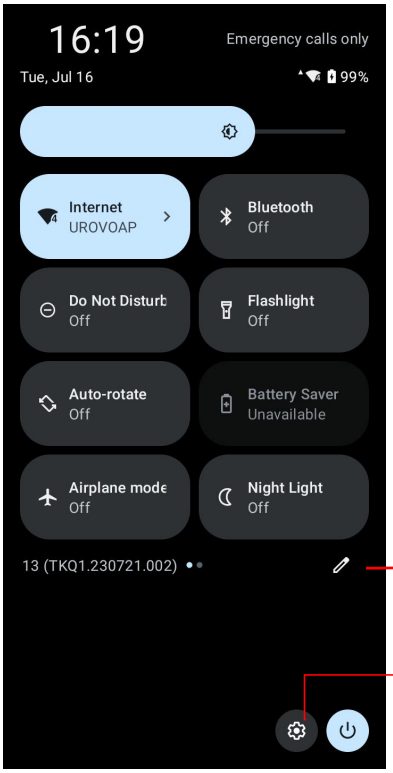
# Quick Access Panel

You can manage system notifications or quickly respond to a notification by using the notifications panel.




**Notification panel**

When there is a notification from the Android (system) or the App, you can check details by dragging down the "Status Bar".




**Quick setting panel**

You can access the "Quick setting panel" by dragging down the "Notification panel".

**Edit Quick settings panel**

Touch the Edit icon to change the order of icon in the Quick settings panel.

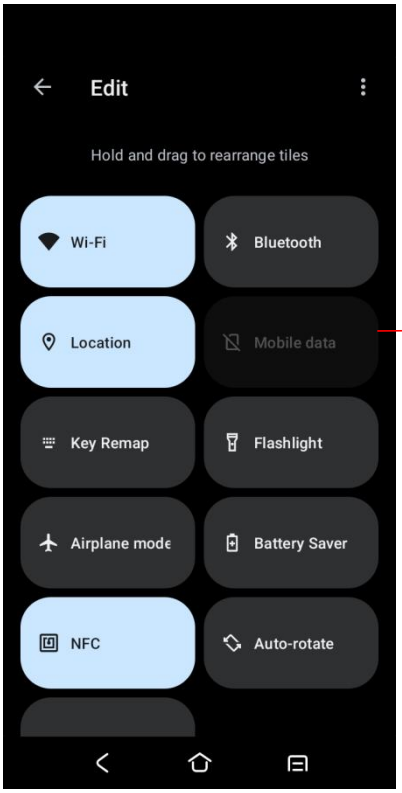
**Device Settings**

Touch to access device Settings.

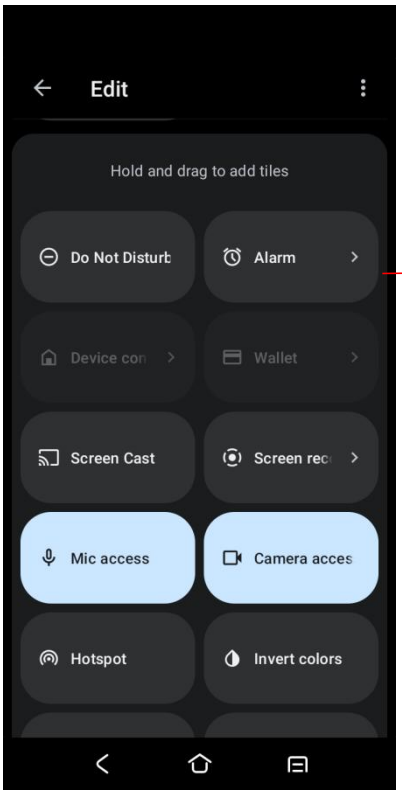
- You can swipe up from the bottom of the screen or tap the Home buttons to close the notification panel.

# Edit Quick Settings Panel

You can edit App icons in quick settings panel for instant access to useful controls.




**Edit Quick settings panel**
Hold and drag to rearrange tiles, and change the order of icons in the Quick settings panel.




By dragging the icon, you can customize the Quick settings panel.

# Remove The Application From The Home Screen

Note: When removing the application, you also remove any related user data and configuration files.

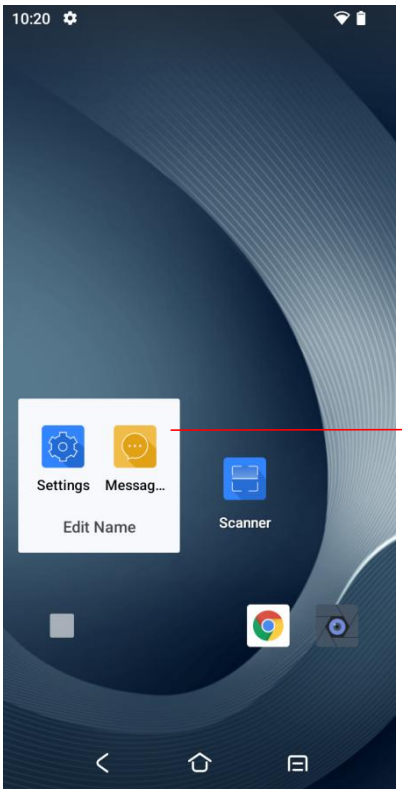
**Remove the application from the home screen**
Delete the application, drag its icon into the "remove" area, and release.

# Create A Folder

You can make your apps easier to find on Home Screen by organizing them into folders.

**Create A Folder**

1. Go to the Home Screen;
2. Touch and hold one app icon;
3. Drag the icon and stack it on top of another icon;
4. Lift and release.

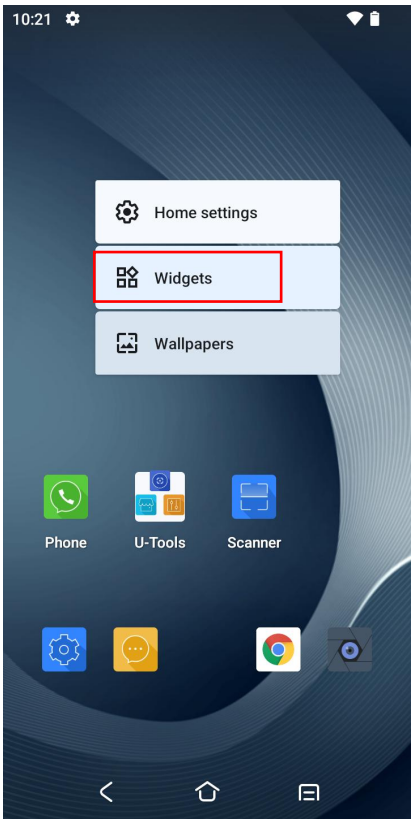



**Unnamed Folder**

1. Touch the folder;
2. Touch the title area and enter a folder name using the keyboard;
3. Touch anywhere on the Home screen to close the folder. The folder name appears under the folder.

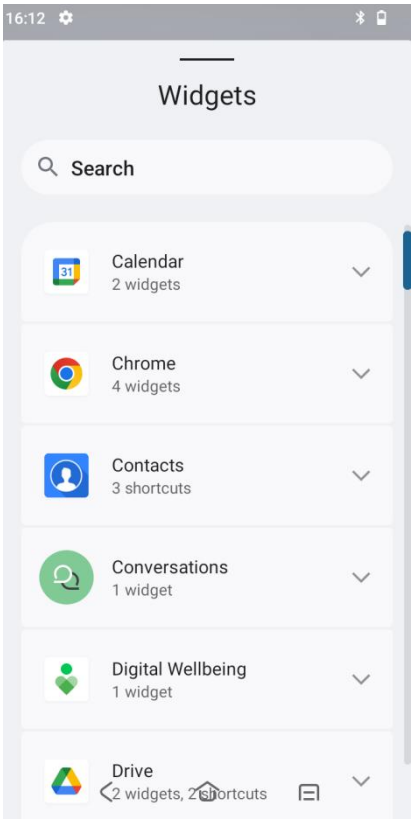
# Add Widgets To The Home Screen

You can view and take action on the widgets on the Home Screen without opening the app.




**Add Widgets**

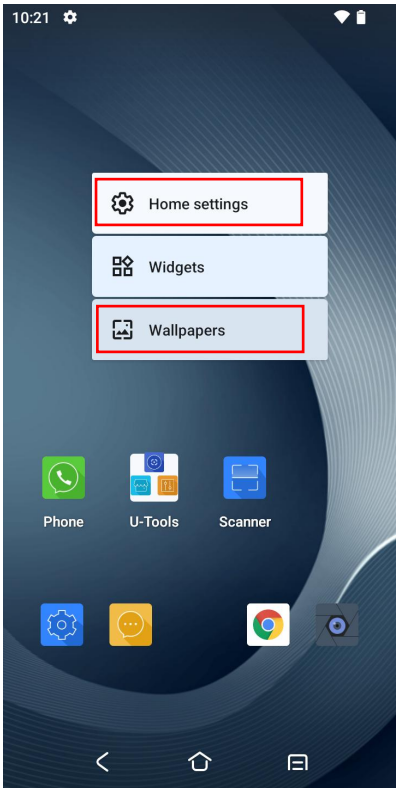
Hold down on the home screen until the menu appears, and then touch the "Widgets".




**To add a widget to the Home screen**

1. Scroll through the list to find widgets;
2. Touch and hold the widget until the home screen appears;
3. Position the widget on the home screen and release it.

# Home Settings+Wallpapers

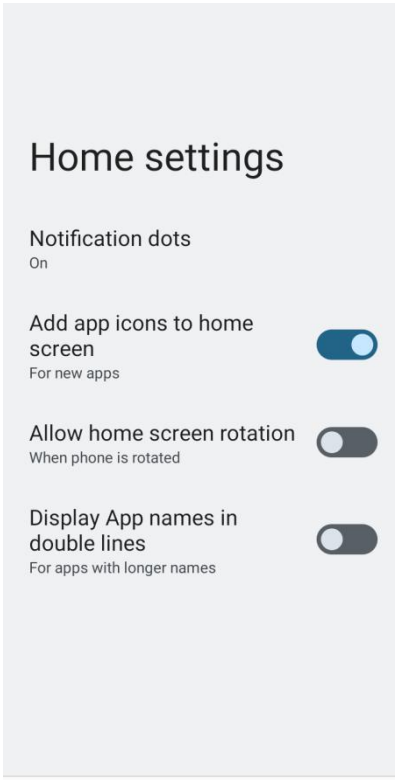



You can change the wallpaper or the home settings on the Home Screen.

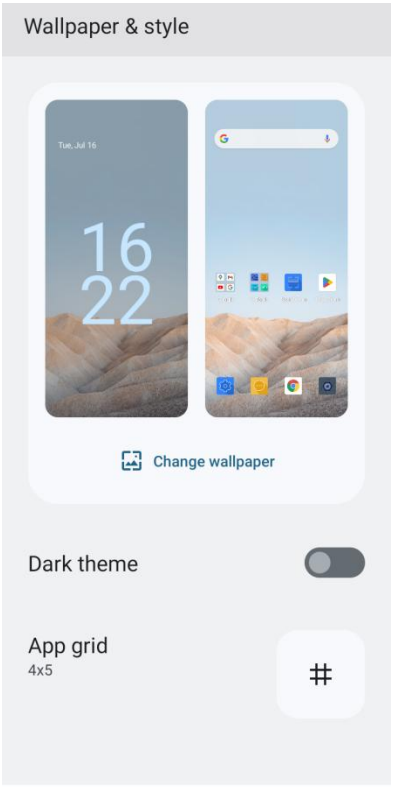
**Wallpapers/Home Settings**

Hold down on the home screen until the menu appears, and then touch the "Wallpapers" or "Home settings".

**Home Settings**



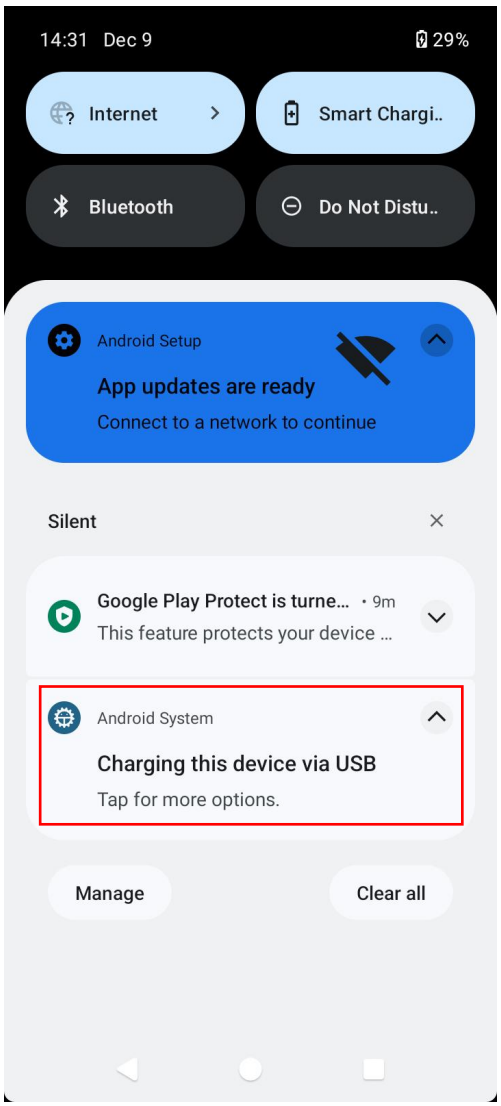

**Wallpapers**

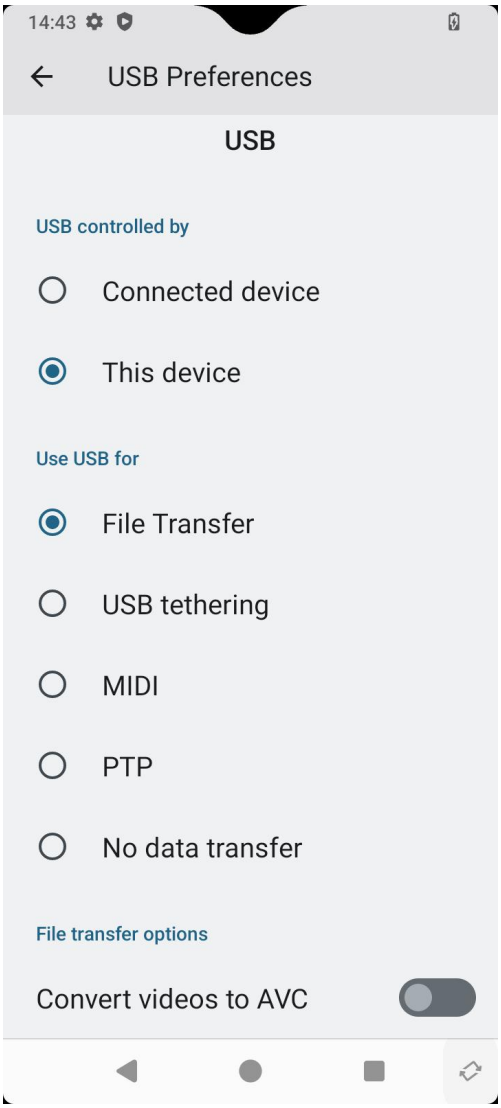


# File Transfer

You can transfer files by physically connect the device to a computer through a USB connection, use a file browser on your computer to transfer files to and from the DT610. If you want to transfer files between DT610 and a Mac, use the Android File Transfer application (available from www.android.com/filetransfer).

1. Connect the device to PC by a USB cable;
2. Pull down the status bar to open the notification panel. Tap this for more options. Then select the **File Transfer** option.



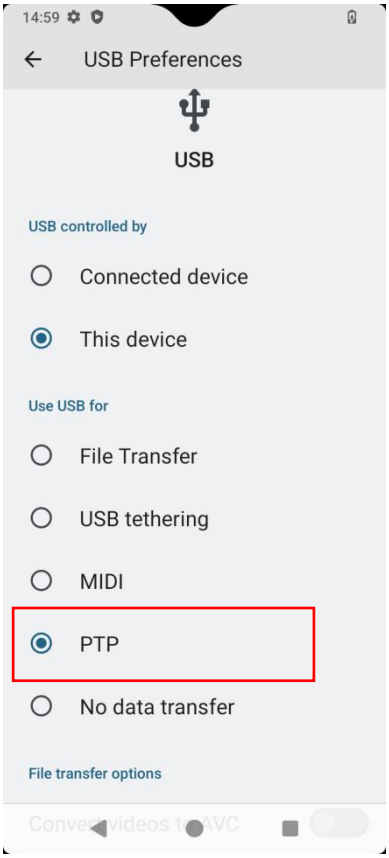

3. At PC end, open My Computer to access DT610 device;
4. Open an internal storage folder or SD card folder;
5. Manager media files needed.

# Picture management by picture transfer protocol (PTP)

You can transfer pictures by physically connect the device to a computer through a USB connection

1. Connect the device to PC by a USB cable;

2. Pull down the status bar to open the notification panel and select **PTP** in **USB Preferences** to transfer pictures to computer;




3. At PC end, open My Computer to access DT610 device;

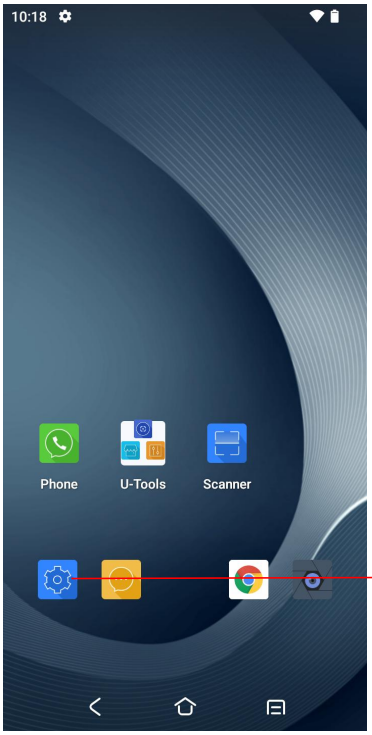
4. Open an SD card folder or internal storage folder;

5. Manage picture files needed.

# Chapter 3-Device Setting

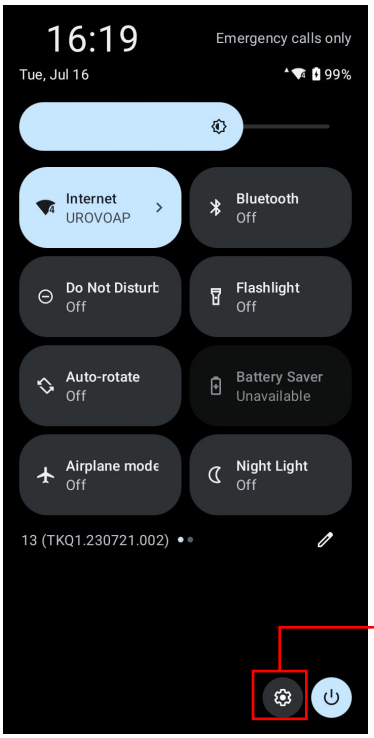
## Access Device Settings

In the settings app, you can find settings you want to change.




**Method 1**

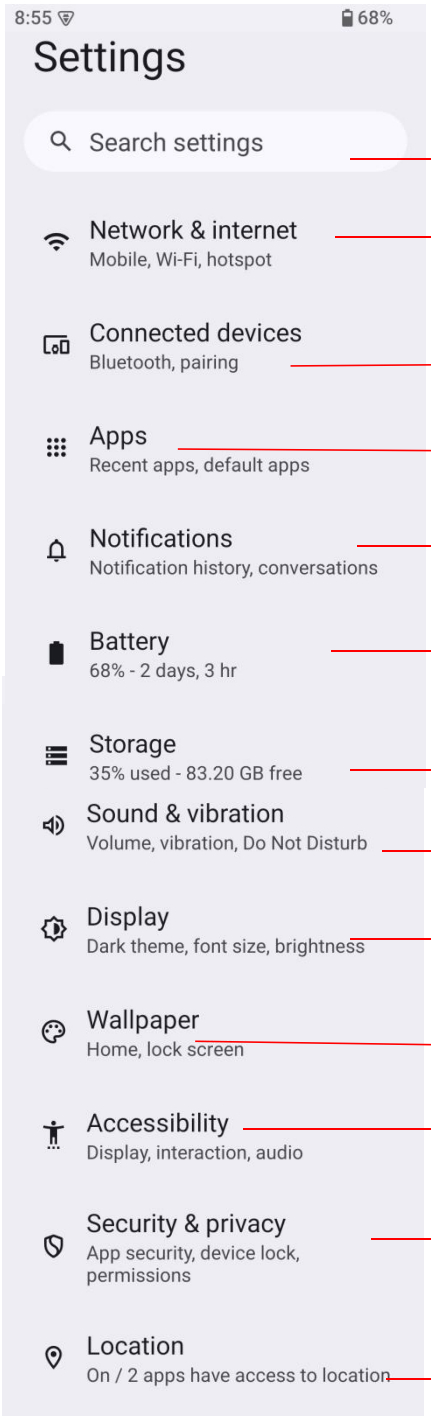
In the home screen, tap the settings icon.




**Method 2**

Pull down the status bar to open the quick access panel, then tap the settings icon.

# Device Settings




Enter keywords to find Settings.

Wireless network setup (Wi-Fi, Mobile network,Data usage, hotspot).

Bluetooth, NFC.

Apps (default apps, Screen time).

Notifications(App settings, Notification history, Conversations, Privacy)

Battery Settings (Battery Usage, Battery Saver, Battery percentage).

Storage (Storage manager, Free up space).

Sound(Volume, Vibration, Do not disturb).

Display Settings(Brightness, Wallpaper, Screen timeout, Font Size).

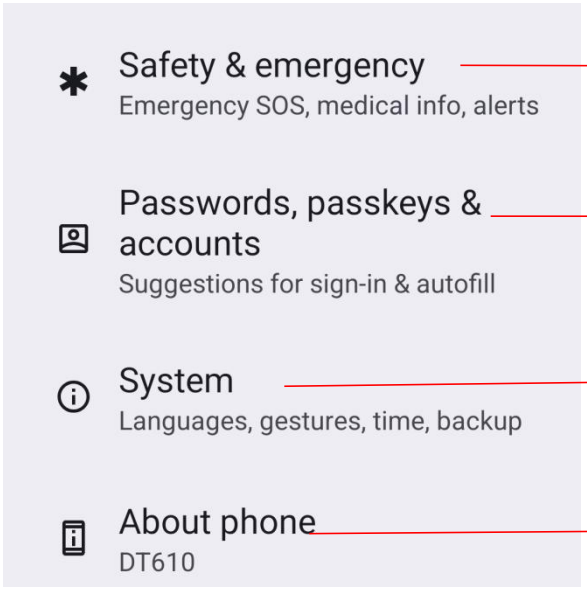
Set the wallpaper of Home and lock screen.

Accessibility(Screen reader, Display, Interaction controls).

Security(Security status, Screen lock, Encryption & credentials).Privacy dashboard, Permission manager, Personal data.

App location permissions, Location services.

# Device Settings




Emergency information, Emergency SOS, alerts.

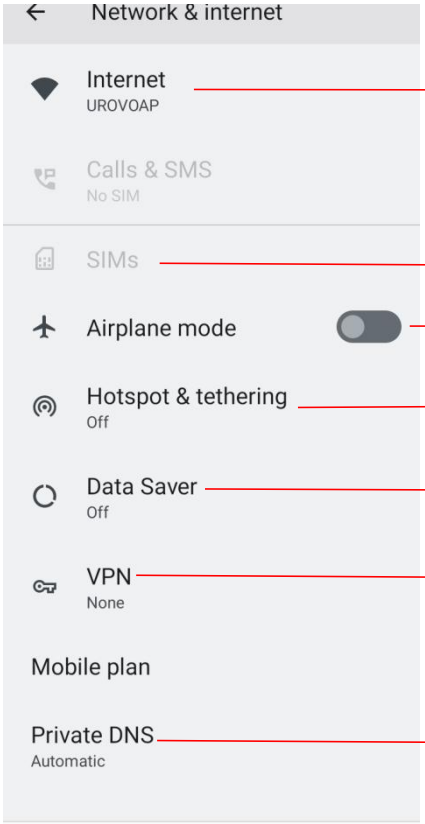
Saved passwords, synced accounts.

System Settings (Languages, Date & time, Backup, Reset options, System update)

Basic info, Legal & regulatory, Device details, Device identifiers.

# Network & internet

Connect your DT610 to the internet by using an available wireless or wired network.




Connecting to a Wi-Fi Network.

Preferred SIM for mobile data, allow calls, SMS messages.

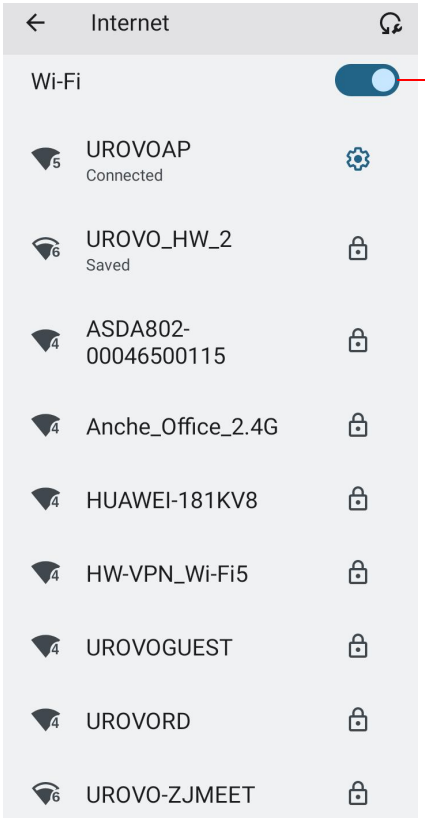
Turn on/off airplane mode.

Sharing the mobile data connection.

To help reduce data usage.

Manage VPN.

Select private DNS mode.

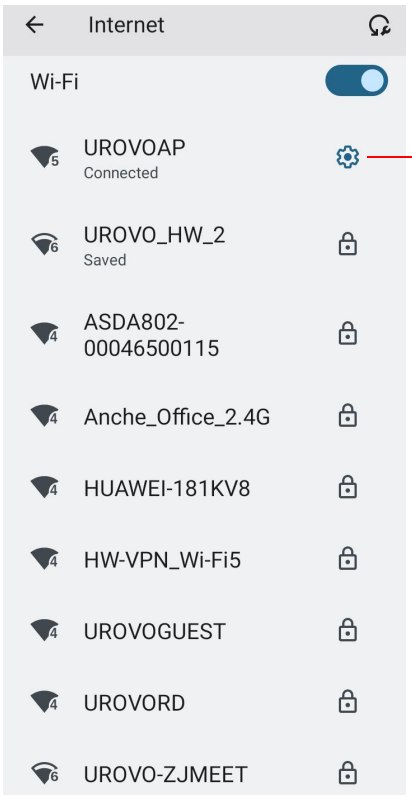



Touch the Wi-Fi item and enable the "Use Wi-Fi". The device searches for WLANs in the area and lists them.

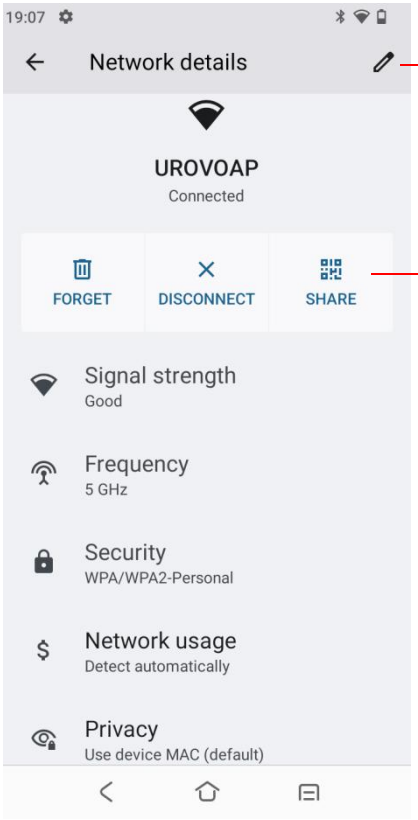
Scroll through the list and select the desired WLAN network.

For open networks, touch profile once or press and hold and then select “Connect”, then enter the required password or other credentials then touch Connect.

# Connect to a Wi-Fi Network




In the Wi-Fi setting field, Connected appears indicating that the device is connected to the WLAN.
Click on the icon to view the network details.




Modify network options.

Remove/Disconnect/Share Wi-Fi Network.

## Set Up Dual SIM

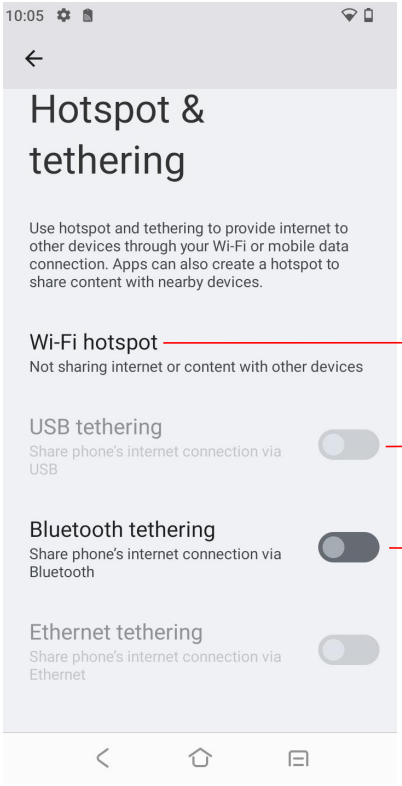
Your DT610 needs a physical nano SIM card/cards to connect to a cellular network. You can Contact your carrier to get a SIM and set up cellular service.

1. Tap **Settings >> Network & internet >>SIMs**, turn on two lines—tap a line, then tap Turn On this Line.
2. You can choose the default line for voice calls in Calls preference.
3. You can also change settings such as Wi-Fi Calling (if available from your carrier), Roaming, Data during calls.
4. Choose the default line for cellular data—tap Data preference, then tap a line. If you want to use either line depending on coverage and availability, turn on Automatically select network.
5. You may incur roaming charges if Data Roaming is on and you're outside the country or region covered by the carrier's network.

Note: Your device automatically connects to your carrier's cellular data network if a Wi-Fi network isn't available

# Hotspot & Tethering

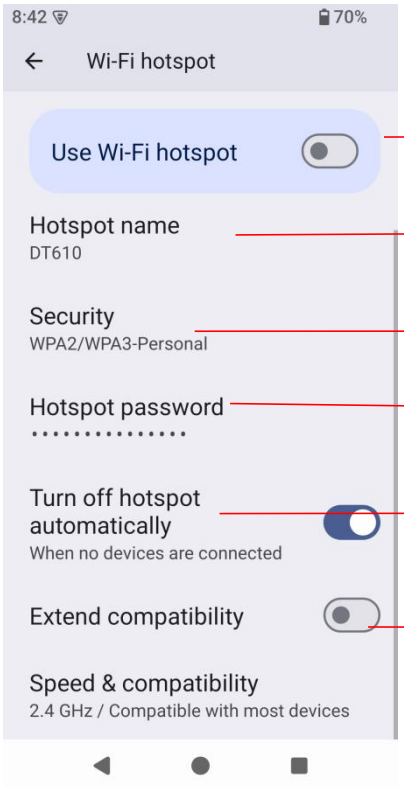
Enable or disable using the DT610 as a Wi-Fi hotspot.




Touch to turn on/off Wi-Fi hotspot and manage hotspot Settings.

Share the device's internet connection via USB.

Share the device's internet connection via Bluetooth.




Turn on/off the Wi-Fi hotspot.

Change hotspot name.

Security (WPA2/WPA3, None).

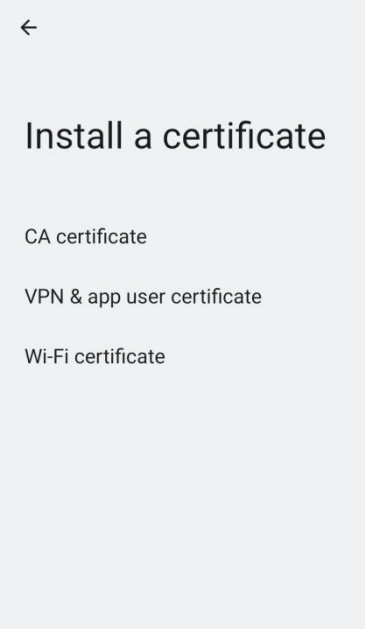
Change the hotspot password.

Turn on/off the hotspot automatically.

Whether to extend the compatibility of PDA

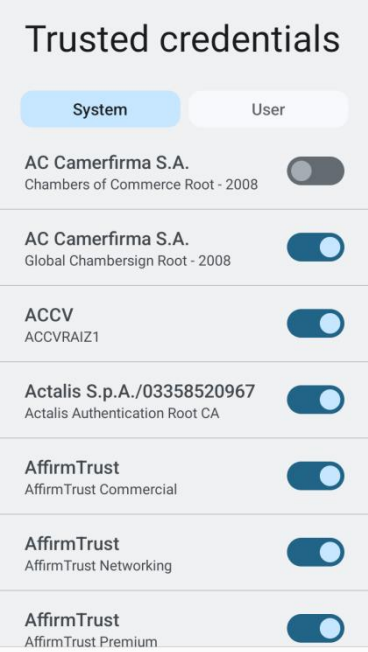
## Load, Disable or Remove a Certificate

To use a certificate, you must install it in the Trusted credential on the device.




1. Tap **Settings >> Security&Privacy >> More Security&Privacy >> Encryption & credentials >> Install a certificate**
2. Select CA certificate, VPN & app user certificate, or Wi-Fi certificate
3. Tap the Menu icon ☰, and navigate to the location where you saved the certificate.

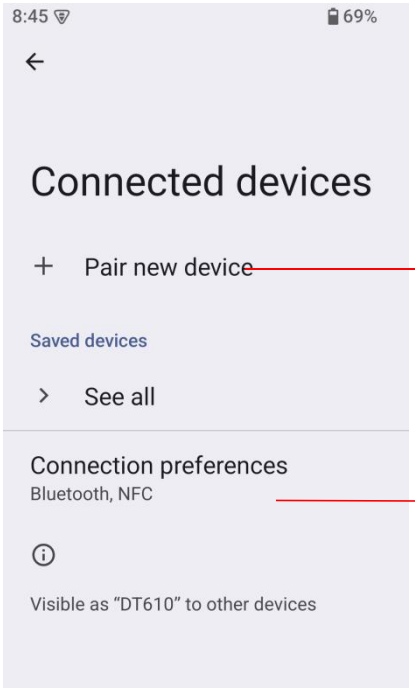
You can disable or remove the certificate in the Trusted credentials.




1. Tap **Settings >> Security&Privacy >> More Security&Privacy >> Encryption & credentials >> Trusted credentials.**
2. Select the certificate you want to disable or remove in System or User.
3. Tap to disable (for System certificates) or remove (for User certificates) the certificate.

# Bluetooth Setting

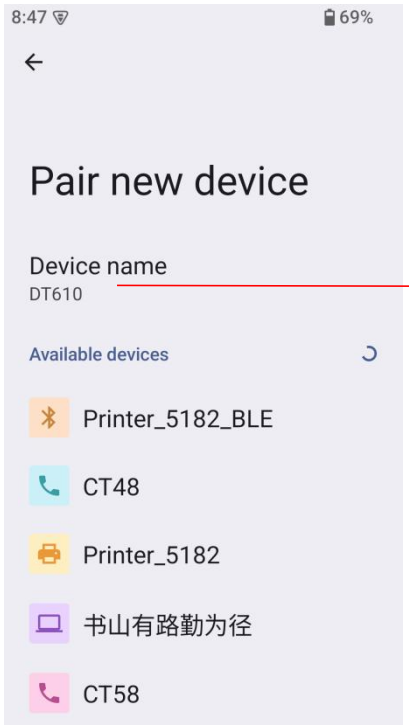
You can communicate your DT610 with other devices using Bluetooth technology.




**Enabling /Disabling Bluetooth:**
**1. Swipe down from the Status bar to open the Quick Access panel.**
**2. Touch to turn Bluetooth on/off.**

Touch to rename Bluetooth name and connects new devices.

Bluetooth, NFC and so on.



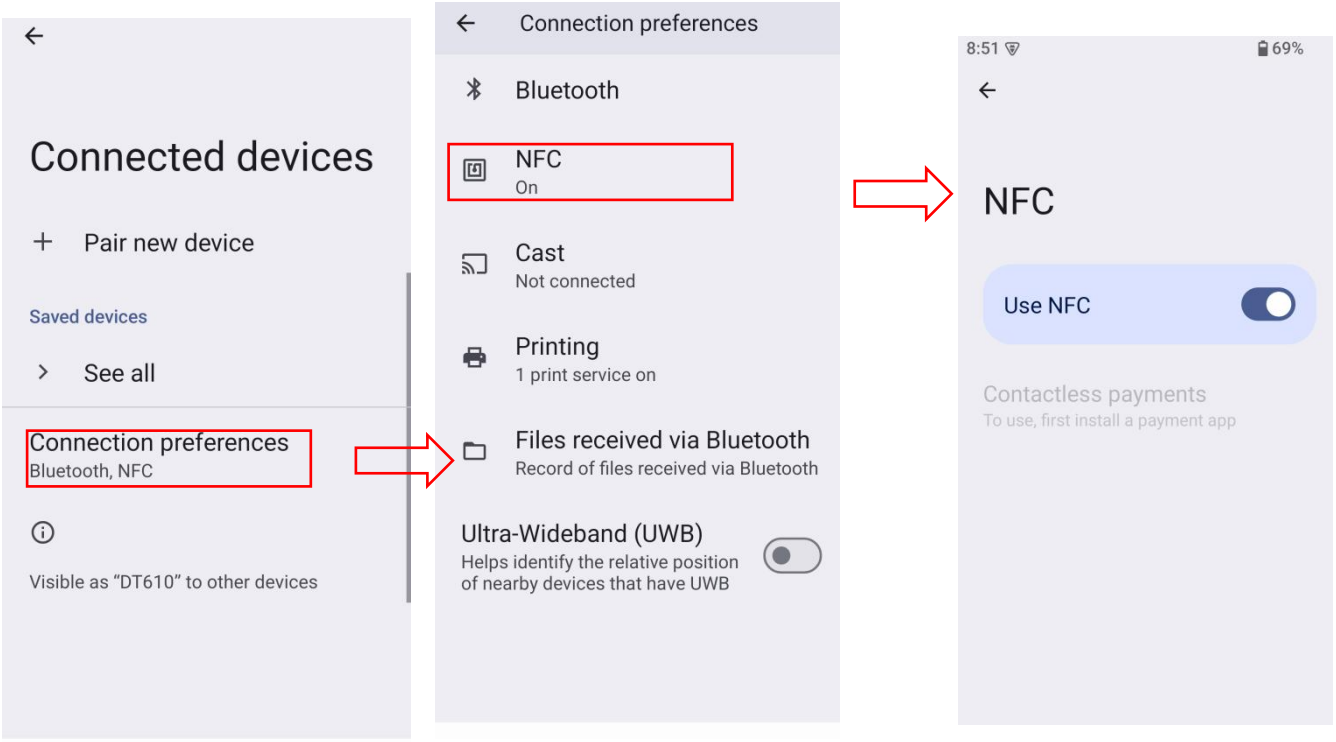

Touch to change the Device name.

Select the Bluetooth device you want to connect to.

# NFC Setting

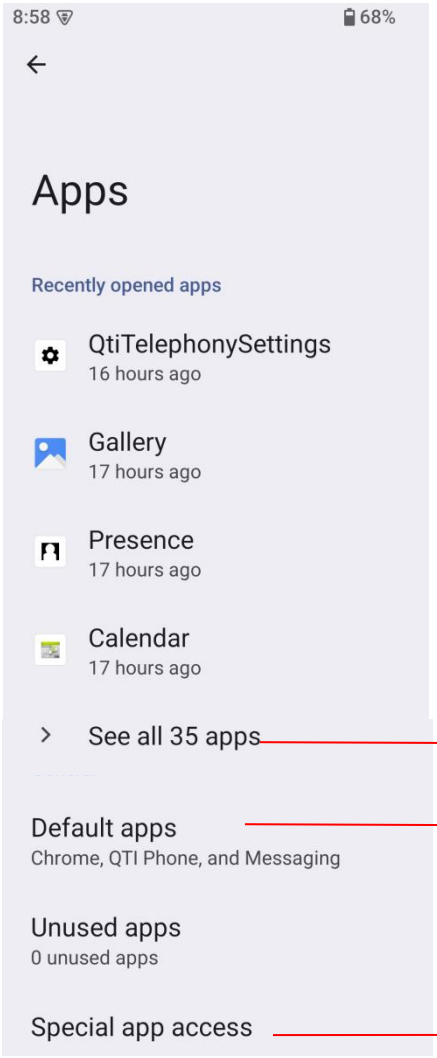
The DT610 with built-in NFC supports short-range wireless data transfer between the device or other NFC enabled devices. Turn on Use NFC to make it available.

**Settings >>Connected devices >> Connection preferences >> NFC**




- When the NFC Switching is off, place the tag near the NFC antenna on the backside.
- When the NFC Switching is on, place the tag near the NFC antenna on the front side.

# Apps

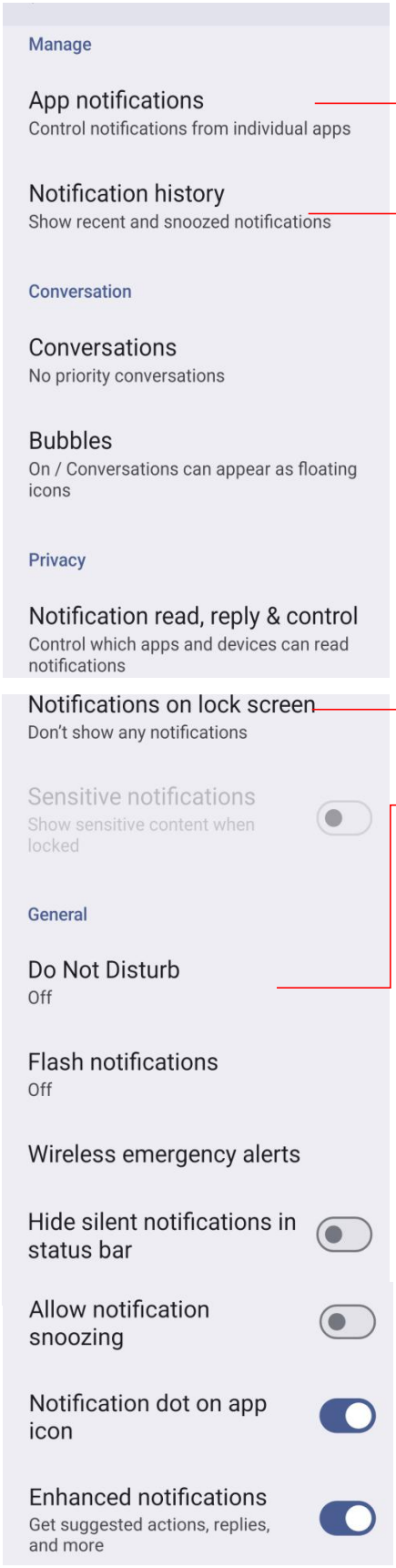



View all information about Apps.

The default apps of browser, Digital assistant, Home, Phone, SMS.

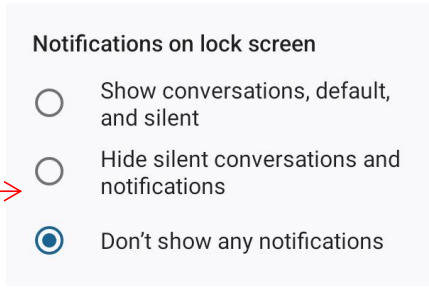
Manage application access permissions.

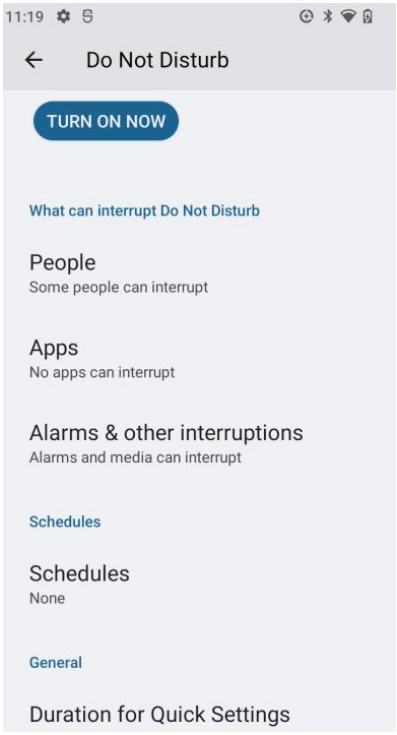
# Notifications




Control notifications from individual apps.

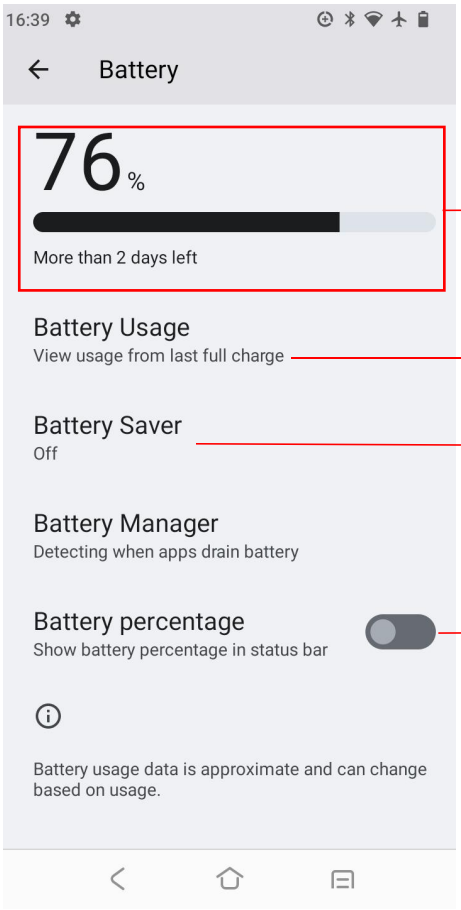
Show recent and snoozed notifications.




In this mode, only get notified by important people and apps.

# Battery



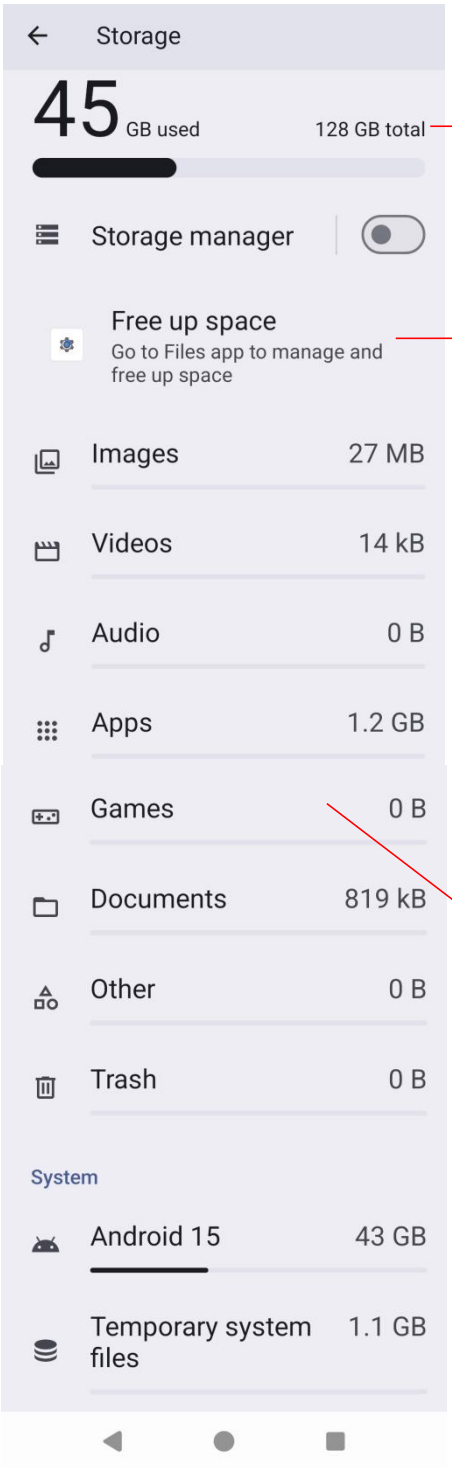

Remaining battery capacity and estimated working time.

View usage from last full charge.

Touch to turn on Battery Saver.

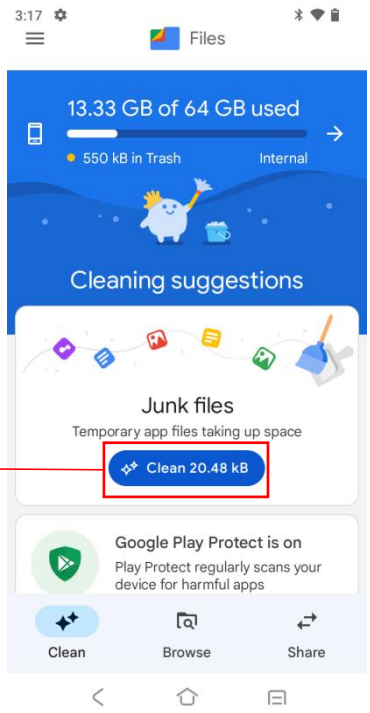
Touch to turn on Battery percentage, and show the battery percentage in the status bar.

# Storage




Displays device memory usage.

Touch "Free up space".

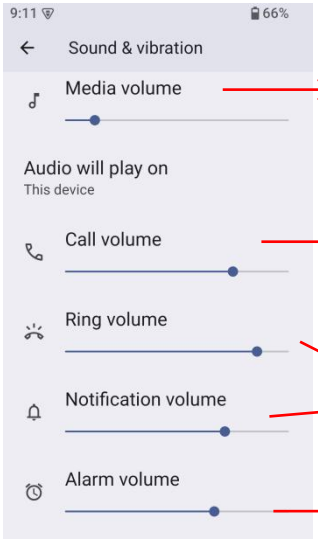



Click here to clean up junk files.

Slide up and down to view storage information of different types.

# Sound&vibration

You can configure sounds, volume or enable vibration feedback when you get a call, text, email, reminder, or other type of notification.

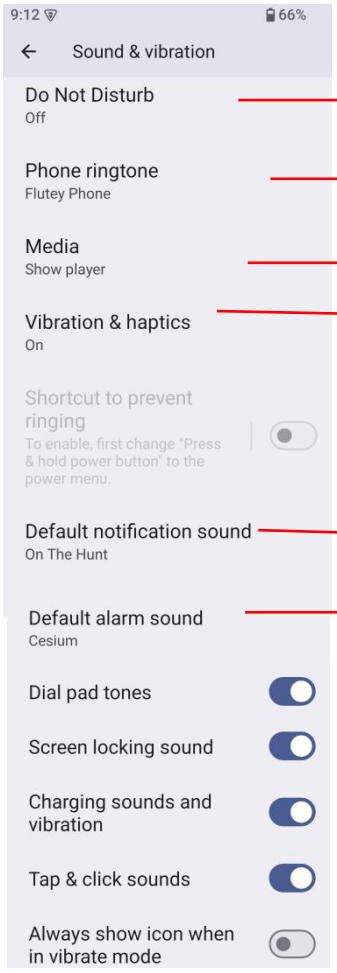



Slide the dots and set the music, games, and media volume.

Slide the dot , set the call volume.

Slide the dot , set the ring volume.

Slide the dot , set the Alarm volume.




Touch set does not disturb.

Touch to select the sound you want to play when the phone rings.

Pin media player, Show media recommendations.

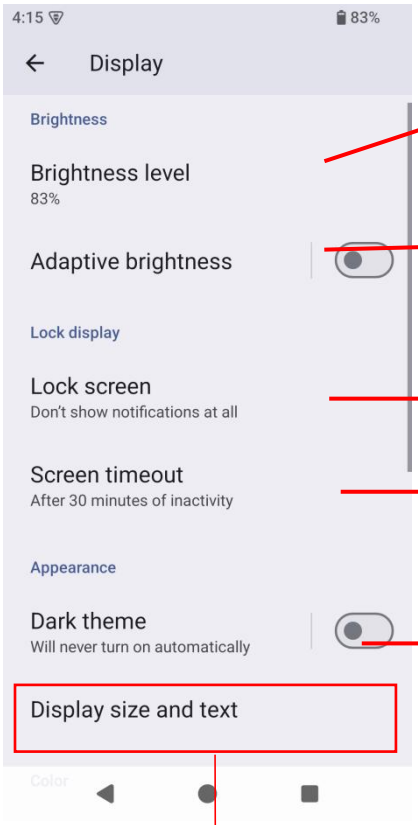
Never vibrate, Always vibrate, Vibrate first then ring gradually.

Touch to select the sound of the notification prompt.

Touch to select the sound of the alarm prompt.

# Display

The display automatically adjusts the backlight intensity for current light conditions using the built-in ambient light sensor. You can also manually adjust the display brightness if you don't want to use the auto-brightness feature.



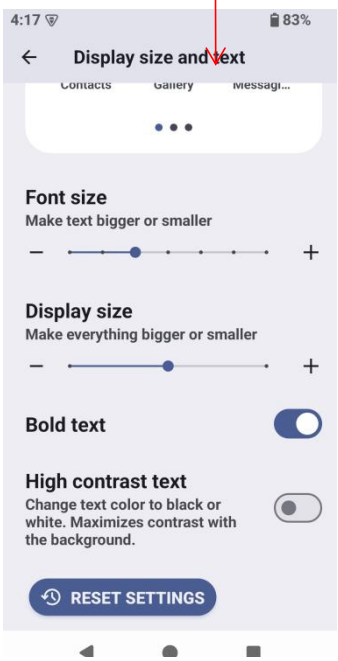

**Adjust the slider to change the screen brightness.**

**Screen brightness adjusts to the environment.**

**Don't show notifications at all.**

**When you don't use your phone for a long time, it will automatically go into sleep mode.**

**Turn on/off the Dark theme.**



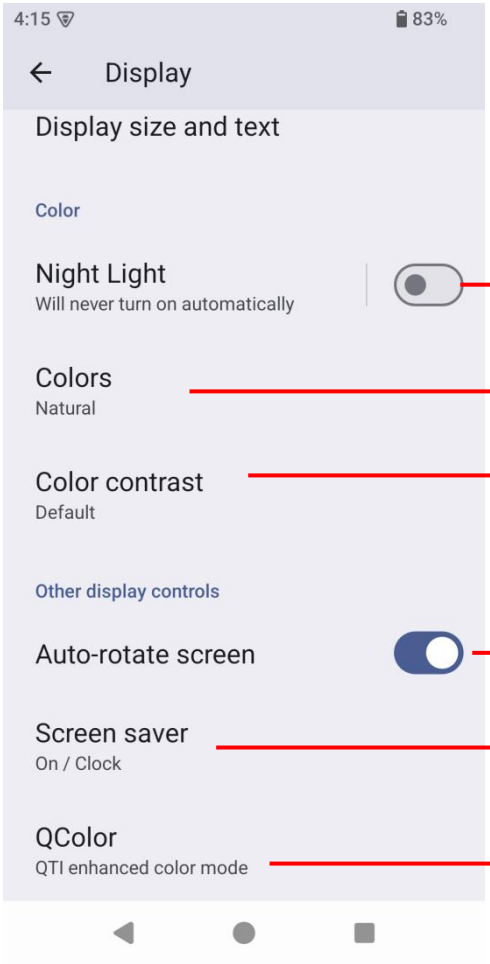

**Adjust the text font size on the screen**

**Make the items on your screen smaller or larger.**

**Emphasize the text.**

**Highlight the text.**

Device Setting




**Tints your screen amber.**

**Change colors**

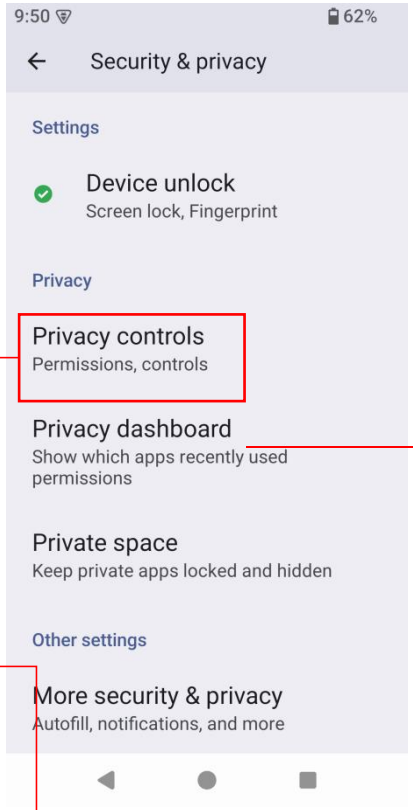
**Highlight makes text,buttons stand out more.**

**Click to turn on/off the automatic rotation screen.**

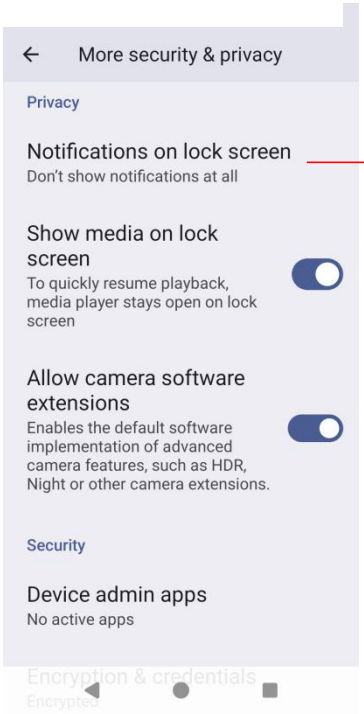
**Screen saver settings.**

**Enhance color mode.**

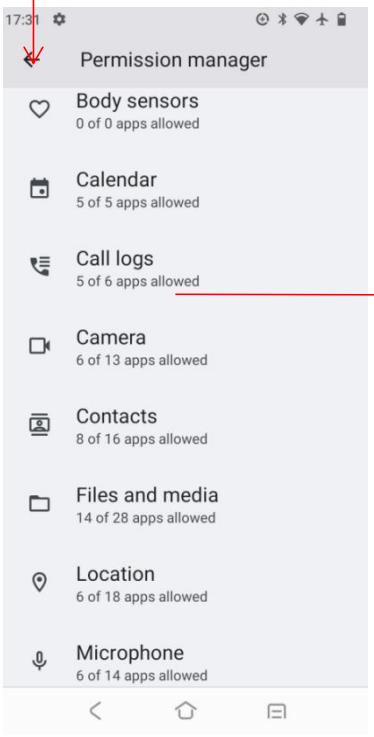
# Security&Privacy



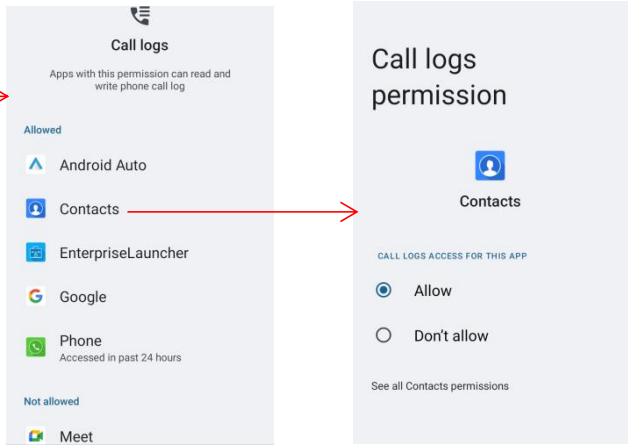

Show which apps recently used permissions.




Show all notification content or don't show notification at all.

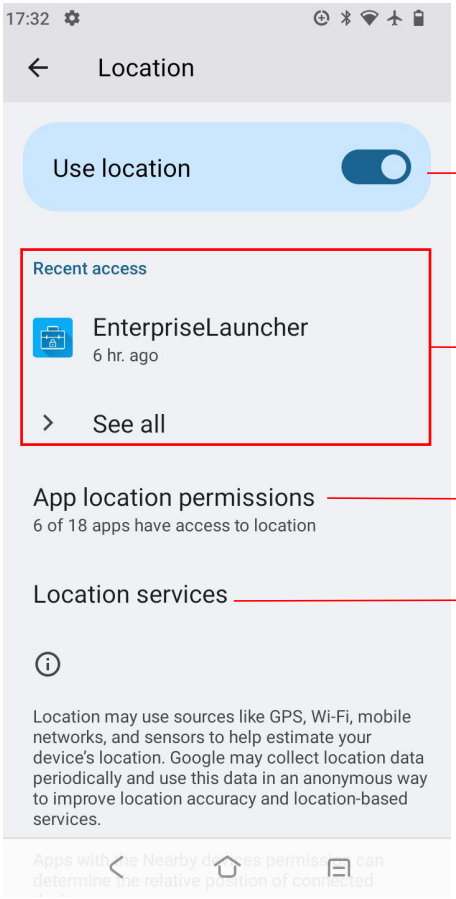



You can view the applications that have been allowed or denied this permission and click the application you want to modify.




Example: modify whether the Contacts application allows call logs permission.

# Location



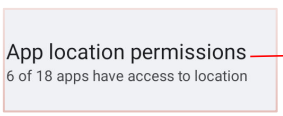

Enable location service.

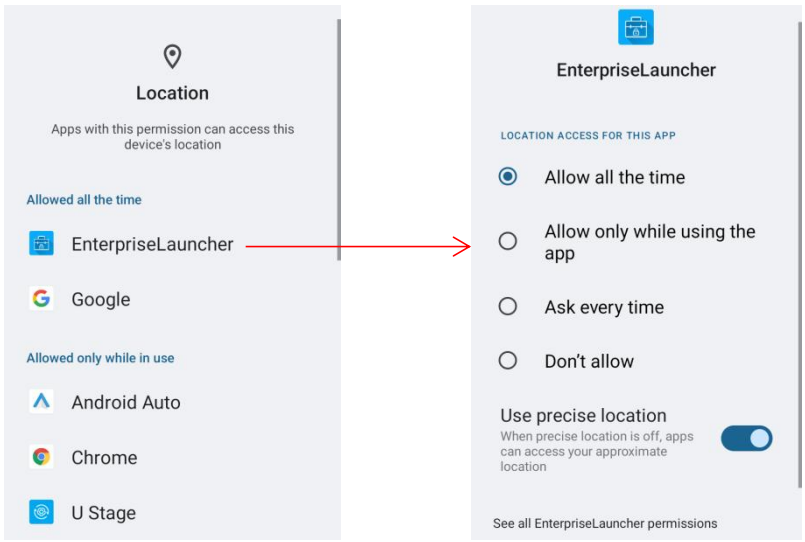
View the software that recently applied for location information.

View or modify application location permissions.

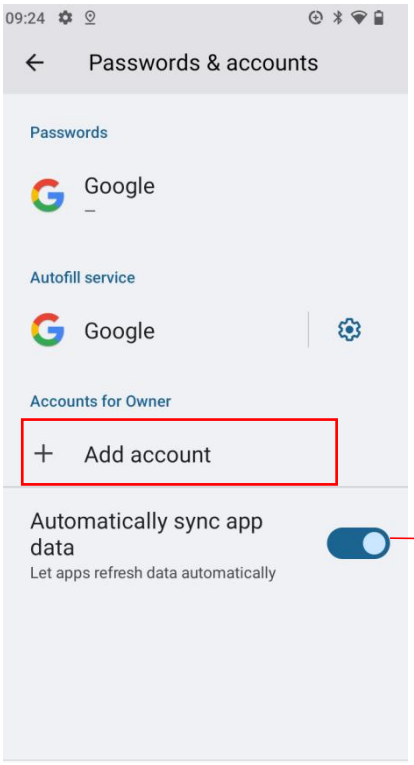
Emergency Location Service;
Google Location Accuracy;
Google Location History;
Wi-Fi scanning;
Bluetooth scanning

Modify application location permissions.

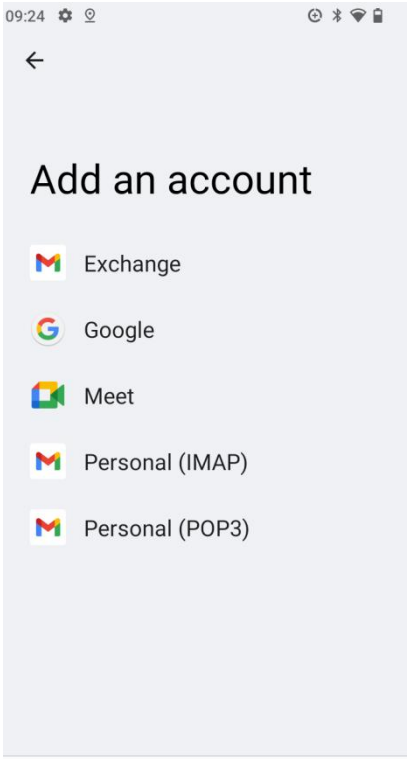


# Passwords,passkeys & accounts

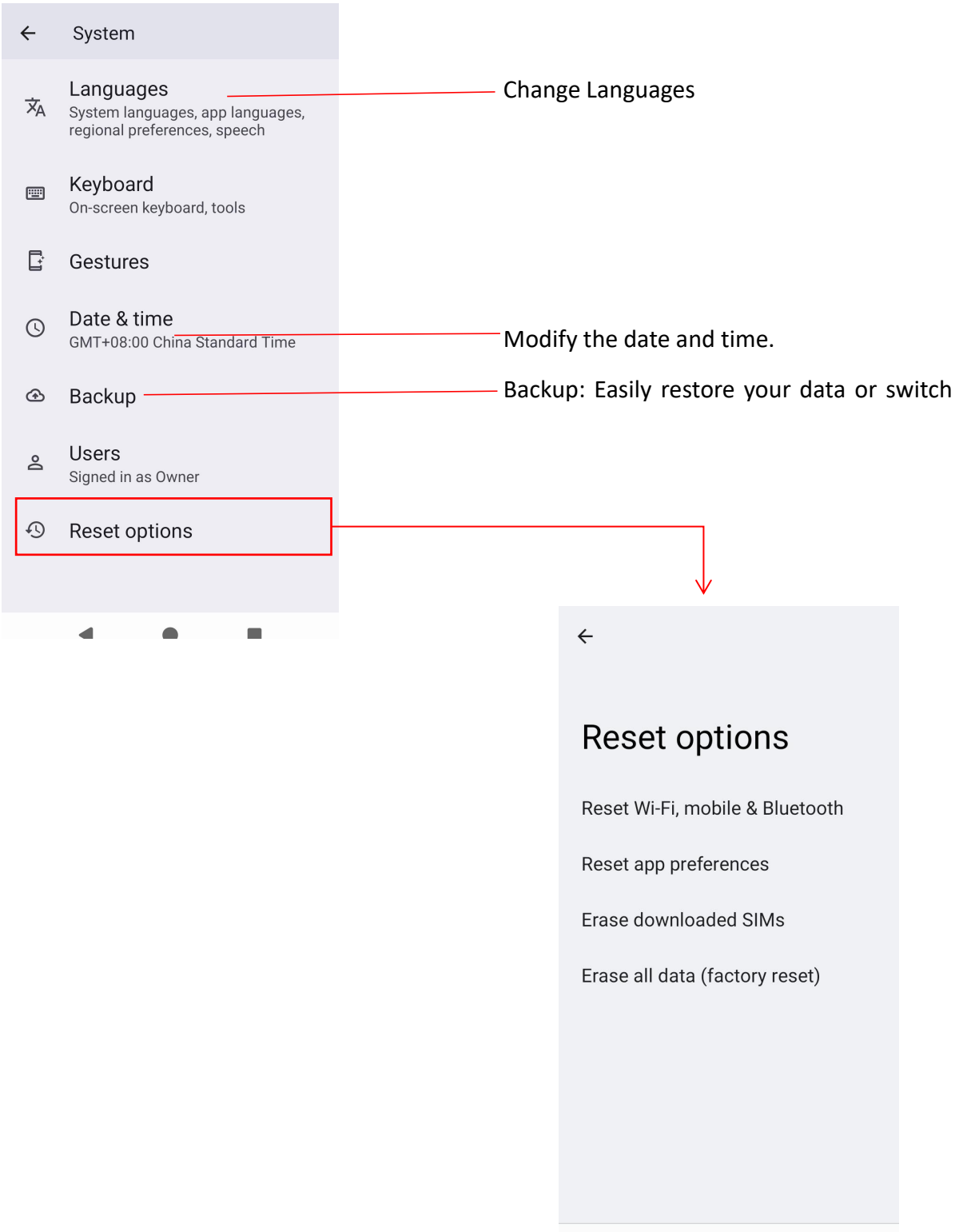



Turn on automatically sync data, lets apps refresh data automatically.

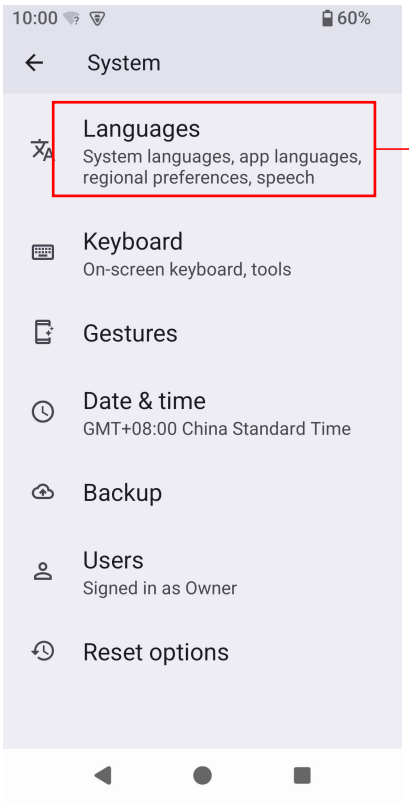



Click "Add Account" to create an account.

# System


System
Languages
System languages, app languages, regional preferences, speech
Keyboard
On-screen keyboard, tools
Gestures
Date & time
GMT+08:00 China Standard Time
Backup
Users
Signed in as Owner
Reset options
Change Languages
Modify the date and time.
Backup: Easily restore your data or switch
Reset options
Reset Wi-Fi, mobile & Bluetooth
Reset app preferences
Erase downloaded SIMs
Erase all data (factory reset)

# Languages




**Modify the system language of the device.**

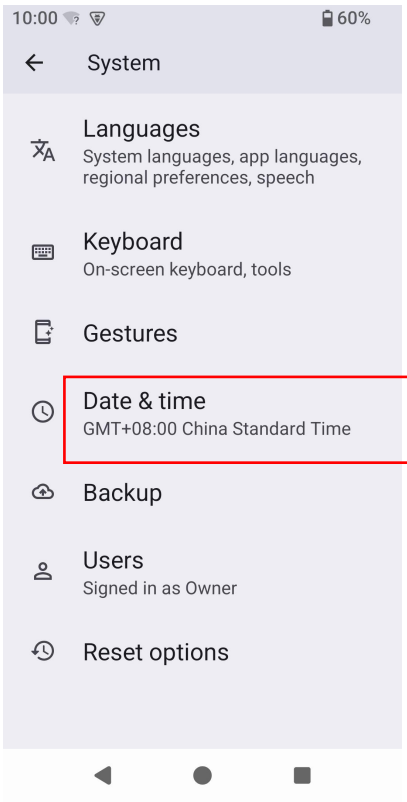
Touch "Settings-System-Language".

Remove language.

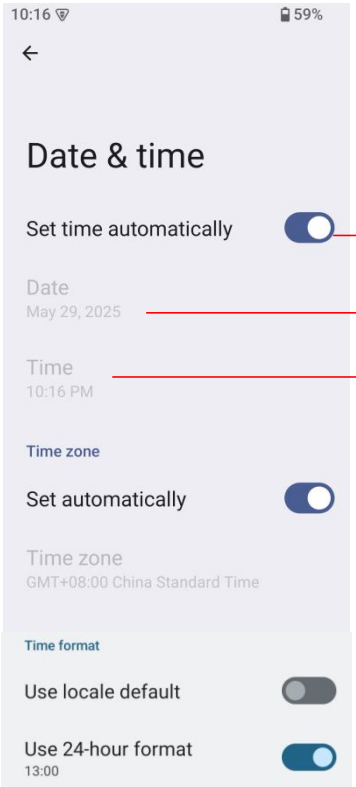
Drag the language you want to set to the top.

Add a language.

# Data & time

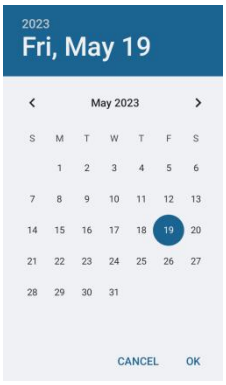



Touch " Settings-System-Data & time".

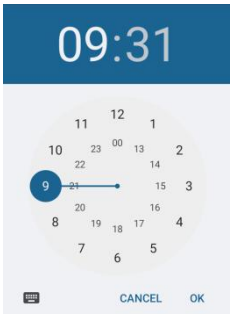



If you want to manually change the date and time, click here to turn is off.

Touch to set Data.




Touch to set Time.



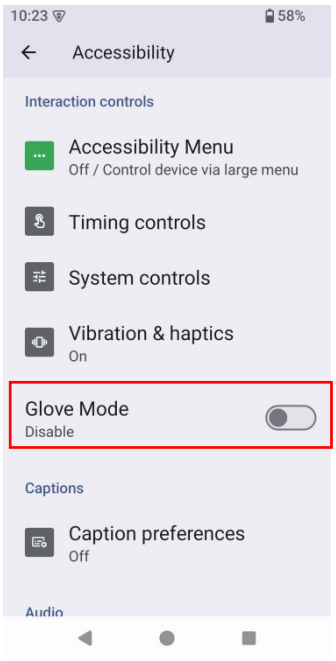
# Gloves Mode

If you wear gloves, you can turn on the Gloves Mode to optimize screen interactions.

Note: Gloves thickness should be below 2mm for touch screen response.

Please turn on the glove mode as follows:

**Settings > Accessibility> Gloves Mode**



# Chapter 4-Use the Scan Engine

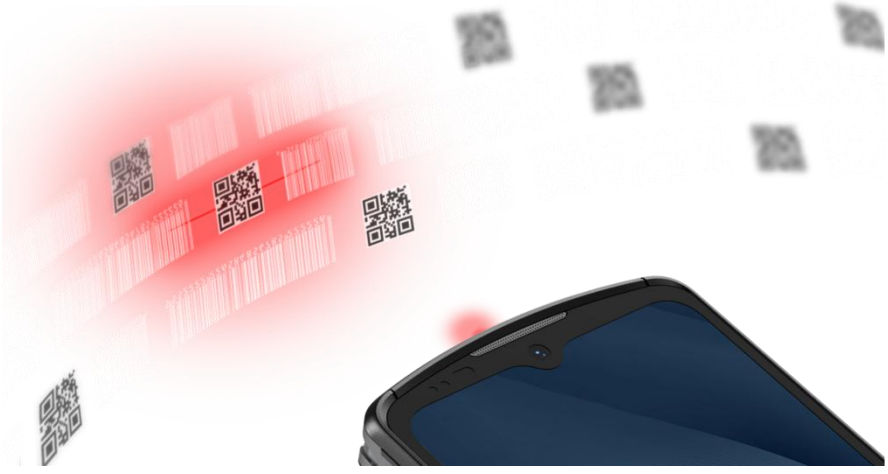
Use this chapter to learn how to scan bar codes, configure scanning settings

*The setup interface of the scanning engine may vary. If in doubt, contact a Urovo technician for guidance.*

## About the Image Engine

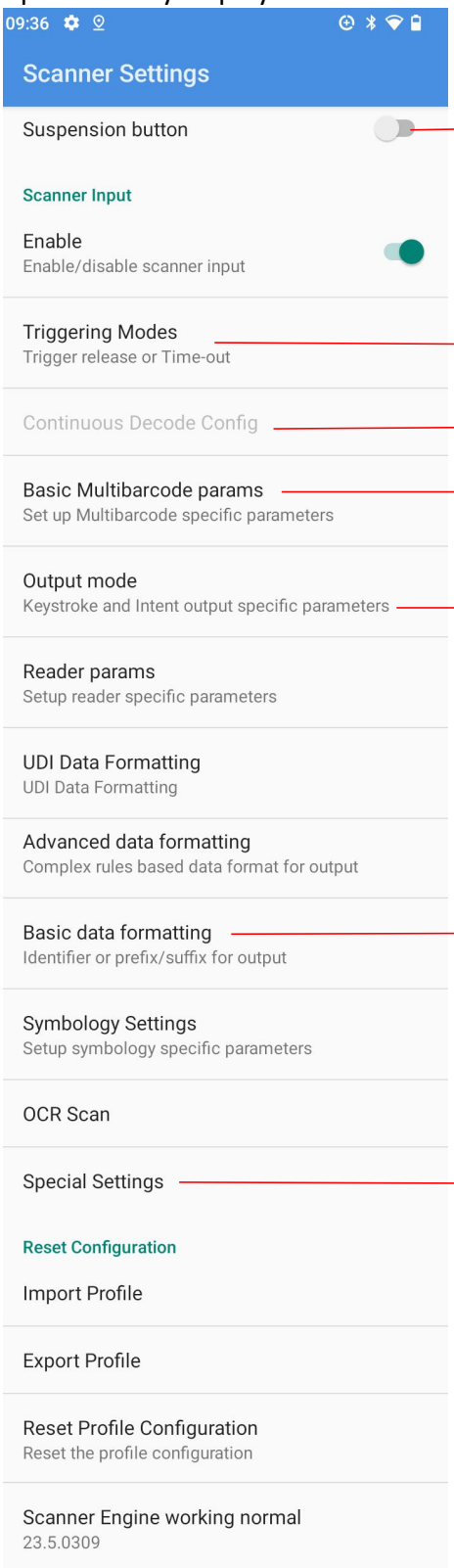
The DT610 supports 360° barcode scanning and provides an aiming beam to assist with targeting barcodes. Before you begin scanning barcodes, go to **Settings>Enterprise featured setting>Scanner Settings** or **ScanDemo>Setting**, then modify the scanning settings to enable only the barcode symbology you need. By reducing the list of active symbology, you can improve scanning speed.

1. Point the scanner window toward the barcode. For optimal performance, slightly angle the scanner to avoid reflections.
2. Press and hold either the left or right scan button to activate the aiming beam.
3. When the device beeps, the barcode has been successfully read, and the information will be entered into the application in use.



# Scanner Settings

You can modify the settings to meet your application needs, note the OCR settings menu option is only displayed when a license is installed.




Suspension button: Open the virtual key scanning tool on the desktop--USCAN, which is available for dragging at will and touching tosimulate the key scanning function.

Supports changing the form of triggered scanning, e.g. continuous scanning.

To enable this configuration, select "KeyDown start, Again KeyDown stop" in "Triggering Modes".

Set up Multibarcode specific parameters.

Output mode: Intent output, Keystroke output, Keystroke and Intent output.

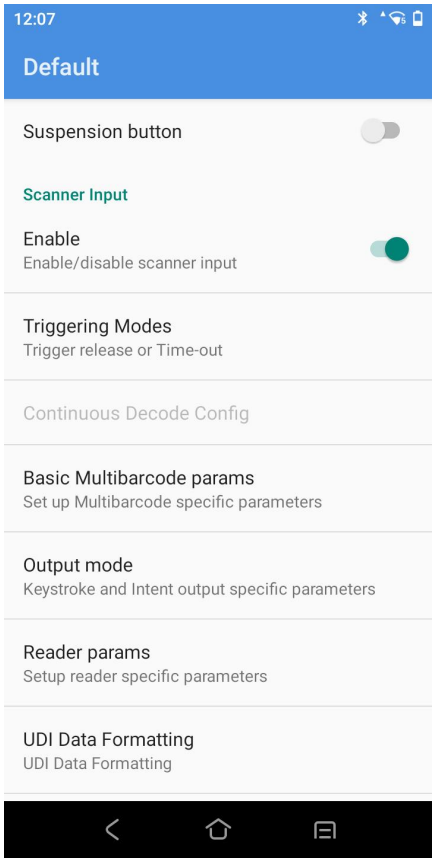
Upon access of bar codes, the system may be available for additional functions: Formatting, Prefix, Suffix, Formatting, Substitute, Delete Non-printing Control Character, App Identifier, or Code Id Type.

Characters delay, Key event delay.

# ScanWedge Profiles

The ScanWedge sends scanned barcode data to an App as keypad input. You can use App that are coded to use the scan engine that receive data through the scan wedge.

6. Click **Default** to modify the scan settings for the default application.




7. New scan settings can be created and applications can be associated to this profile, as follows:

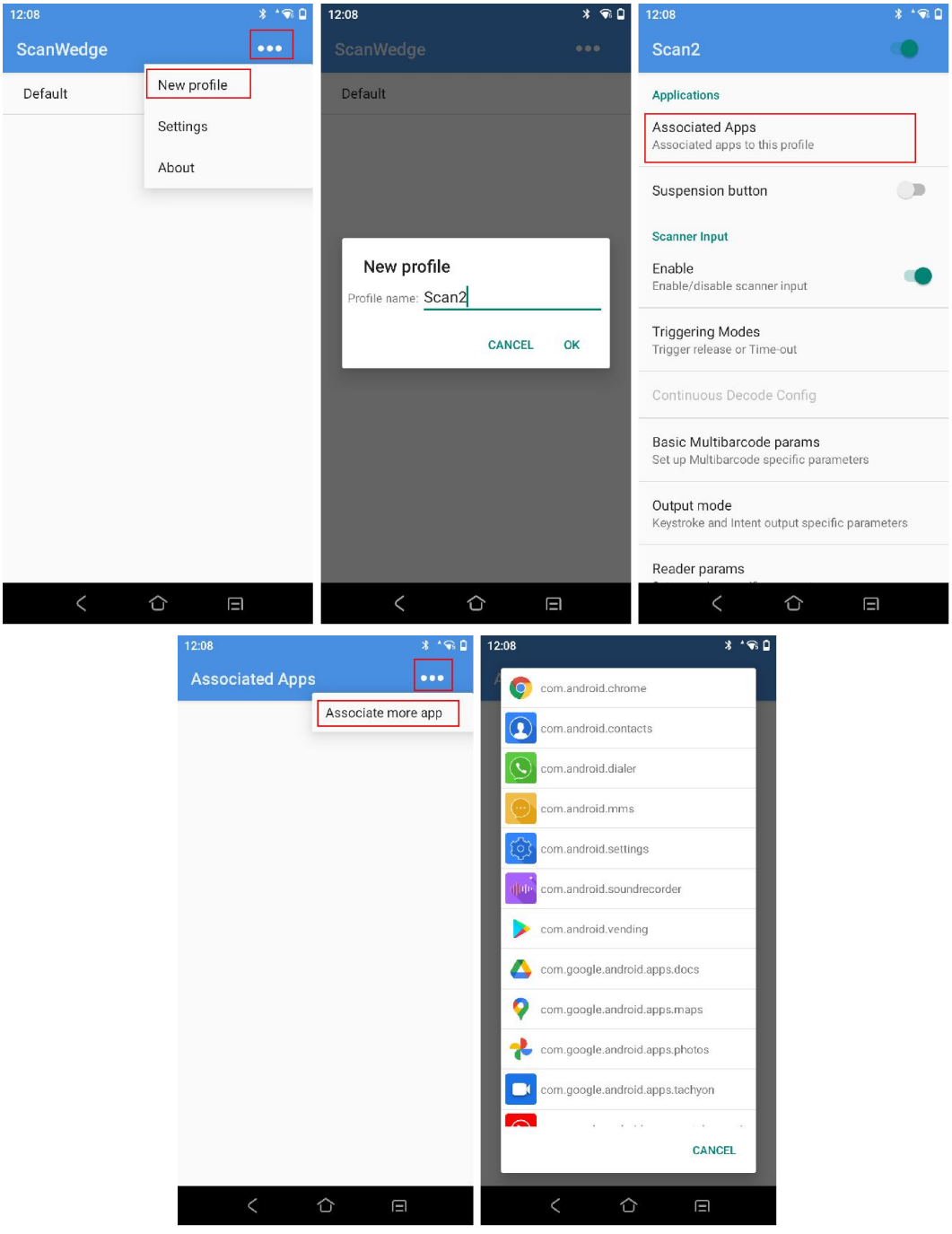
(a) Click on the top right option and select "**New profile**";

(b) Name the new scan configuration;

(c) Touch "**Associated Apps**" ;

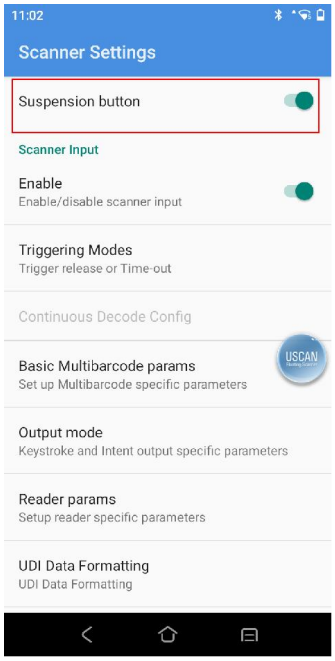
(d) Touch "**Associate more app**";

(e) Select the app you want to associate with.



# Floating action button

**Suspension button:** Open the virtual key scanning tool on the desktop--USCAN, which is available for dragging at will and touching to simulate the key scanning function;



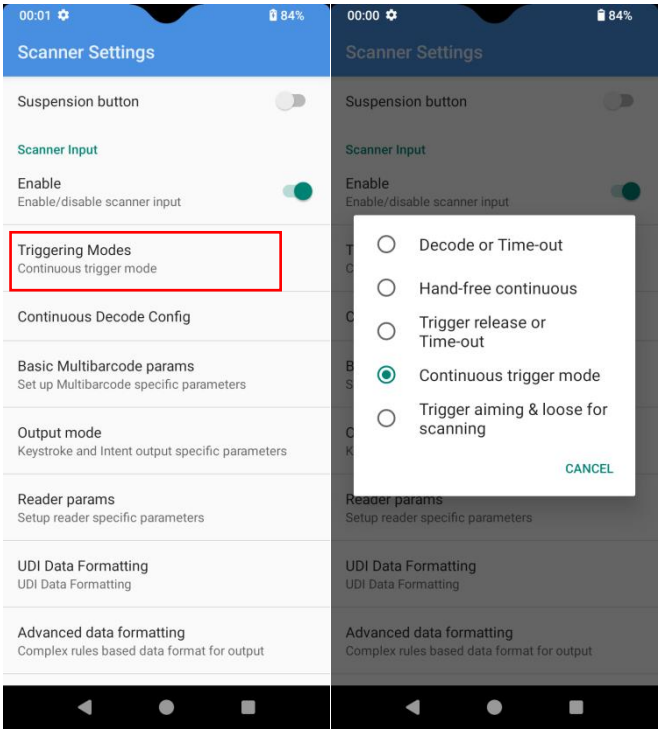

# Triggering Mode

Here you can select the scanning triggers that match your scenario or your habits.

- **Decode or Time-out**: manually trigger the scanning function. Press the scanning key and laser light or supplementary light will be shown. The light will not go out until decoding is completed or scanning times out;
- **Hands-free continuous**: Manual trigger to start continuous scanning mode, can be used when scanning multiple barcodes, when you need to stop

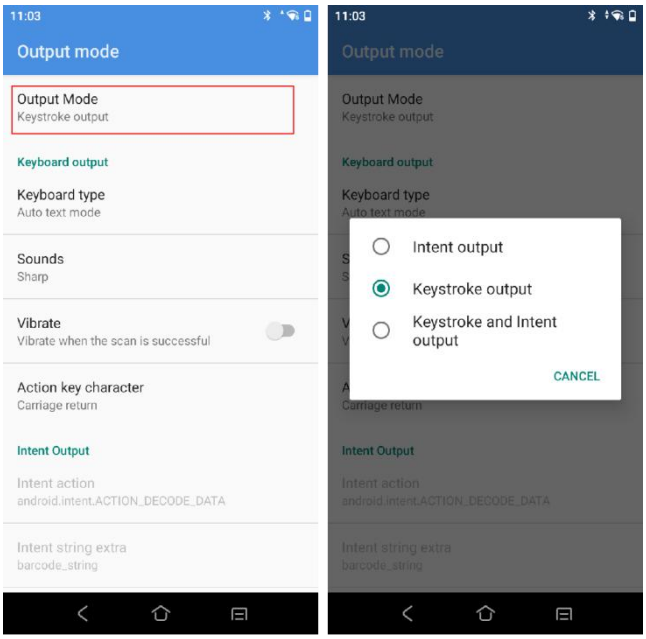
scanning, press the scanning key again to end scanning.

- **Trigger release or Time-out** : manually trigger the scanning function. Press the scanning key and laser light or supplementary light will be shown.Release the key and the light will go out. In addition, the scanning light will also go out after decoding.
- **Continuous trigger mode:** The device emits a targeting beam for barcode reading only when the scanning button is pressed, once the scanning button is released, the scanning ends.
- **Trigger aiming & loose for scanning:** Press the scan button to start scanning, once the device successfully reads the barcode, the scanning ends.



# Keystroke output

Check this mode and the scanning results will be output to the app focus edit box in the foreground by keyboard.




✓ **Keyboard type** – options include **Auto text mode**、**Soft keyboard**、**Always Physical keyboard**, Such options may cause a difference in scanning results. Please select with caution.

**Automatic Text Mode**: If a focus input box arises in any app interface in the foreground, it will directly show all the data, otherwise the device will output scanning results character by character through keyboard simulation;

**Soft keyboard:** the device directly displays all the data in the input box through input method editor simulation;

**Always Physical Keyboard**: the device outputs scanning data through physical key event simulation at any interface;

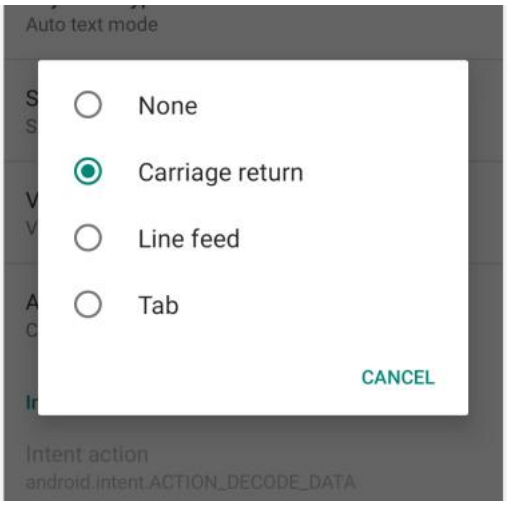
- ✓ **Sounds** – set the system's notification tone for scanning, which may be None, Instant (default) or Squeak.
- ✓ **Vibrate** – check to enable the function of vibrating after scanning
- ✓ **Action key character** – **None、Carriage return、Line feed、Tab,** Add operational key characters behind scanning results through keyboard simulation.

**None**: no operation

**Carriage return**: add an enter behind scanning results through keyboard simulation;

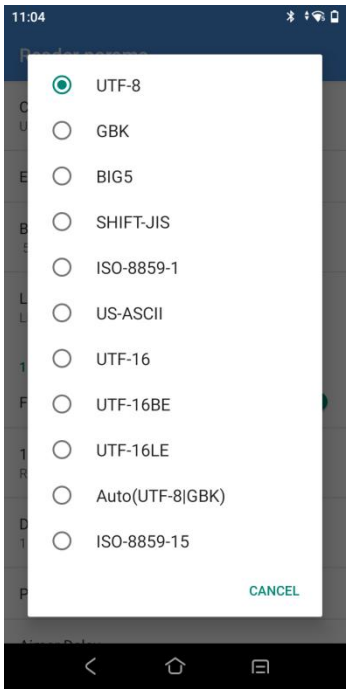
**Line feed**: add an OK operation behind scanning results through keyboard simulation;

**Tab**: add a Tab key operation behind scanning results through keyboard simulation;



# Reader Params

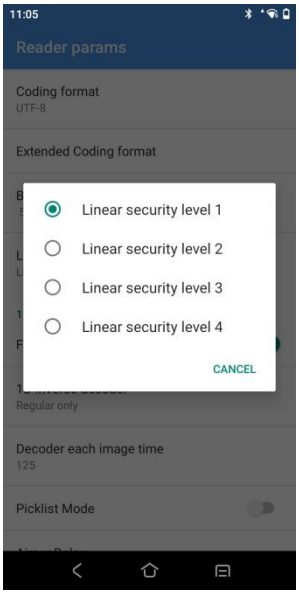
**Coding format**: The Chinese code type is UTF-8 by default. This option needs to correspond to the Chinese code type of 2D codes. Any mismatch between the two may lead to code garbling. Please use this function with care.




**Beam timer** – laser duration for failing in single scanning, range of 500-10000ms, 5000 ms by default;

**Linear code type security level** – set the check level to lower the error rate. The higher the level is, the more accurate it will be but the slower decoding per time will be;

Applications




Linear code type security level

## Exposure Settings-Lights Configuration

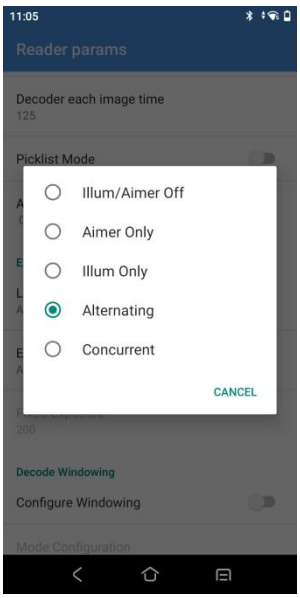
**Illum/Aimer Off**: turn off illumination / aimer light;

**Aimer Only**: turn on aim light only;

**Illum Only**: turn on illumination only;

**Alternating**: turn on illumination and aim light in alternation;

**Concurrent**: turn on illumination and aim light at the same time;



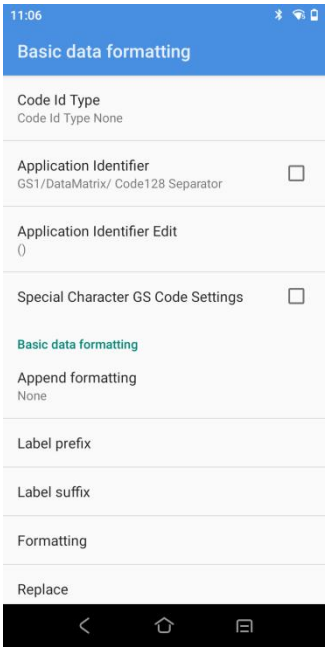

Lights Configuration

- ✓ **Exposure Mode:** auto/on. In the auto mode, the scanning engine may automatically regulate the exposure value; in the on mode, the exposure value can be set;

  **Fixed Exposure**: 1~900, The higher the value is, the brighter it will be;

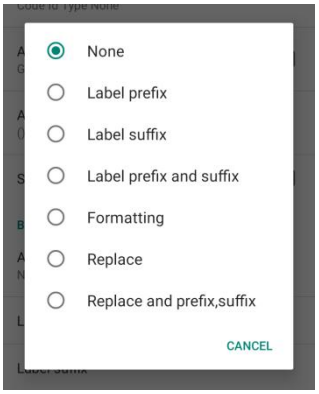
# Basic data formatting

Upon access of bar codes, the system may be available for additional functions: Formatting, Prefix, Suffix, Formatting, Substitute, Delete Non-printing Control Character, App Identifier, or Code Id Type.




Basic data formatting

1. Tap Label Formatting and select the additional formatting type;

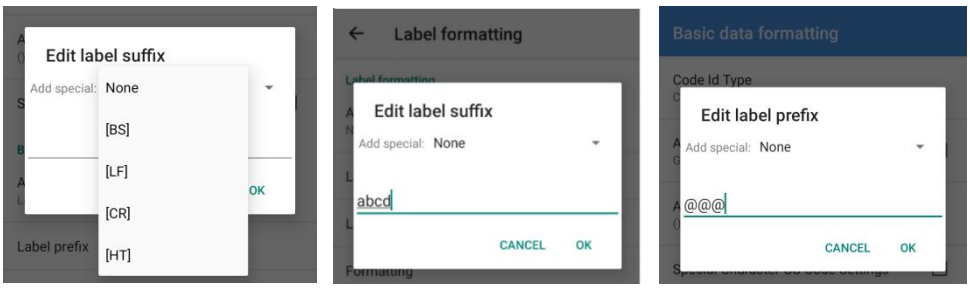



Append formatting settings

2. Suffix: select the mode and modify the suffix content, e.g., select [CR] which indicates enter;

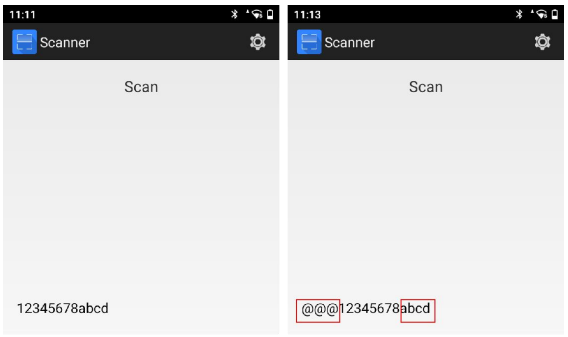
The same goes for prefix;

Applications



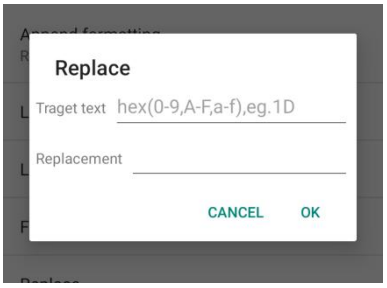

Edit Suffix/prefix

Select the default type from the drop-down list box or define any character as the prefix/suffix;




Edit Suffix/prefix

3. **Replace**: select the mode and modify the former character to be substituted and the substitute character and set the value of the substituted and that of substitute. The former character needs to be input in ASCII code (e.g., if the former character "1" needs to be substituted, enter its corresponding ASCII code value "31");




Edit Replace

4. Delete Non-printing Control Character: select the mode and delete any

nondisplay character;

5. App Identifier: select the mode and add an app identifier to some bar codes, e.g., Code 128;
6. App Delimited Identifier: select the mode and set "()" as the app delimited identifier by default, which may be substituted by any other identifier;
7. Code Id Type: select the mode and add a Code Id (Code Id Type None, Code Id Type Aim (add an Aim in front bar codes) or Code Id Type Symbol (add an identifier in front of bar codes)) to some bar codes;

# Chapter 5-Use the RFID

**DT610** is next-generation RFID module leverages cutting-edge radio frequency technology for seamless tag communication in diverse environments. The intelligent reader/writer module delivers exceptional performance with:

• RFID tag maximum read range of 1.5 m (5 ft).

• RFID read speed of 50 tags per second.

• RFID is disabled (default) and enabled/disabled via RFID SDK APIs.

• RFID and WWAN can co-exist.

## Optimal Read Range

Each RFID reader operates within an effective detection zone based on tag type and environmental conditions. For best results:

- Adjust positioning—Move the reader closer or farther to establish the ideal read distance.
- Tag size matters—Larger tags typically require slightly greater separation.
- High-density tags perform better with closer proximity.

## Antenna Orientation

Proper alignment ensures consistent tag communication:

- Avoid signal interference—Position the reader antenna at an angle to prevent signal reflection.
- Moderate tilt recommended—Extreme angles may weaken signal strength, while a 15-30° tilt often improves detection.
- Environmental awareness—Metal surfaces and liquids may require adjusted positioning.

## Performance Tips

- Movement control: Slow, steady motions improve read rates during inventory scans.
- Tag placement: Ensure tags are affixed to flat, non-metallic surfaces when possible.

Applications

- Interference mitigation: Distance the reader from other RF sources (Wi-Fi, Bluetooth) when high-priority scanning is required.

By adjusting distance and angle, you can achieve fast, reliable scans in any environment.

**IMPORTANT:** For optimal RFID performance, avoid placing hands and fingers on the RFID antenna.

# Chapter 6-Use the Camera

## Take a Photo or Video with the Camera

1. Click the Camera icon in the favorites tray on the Home Screen.

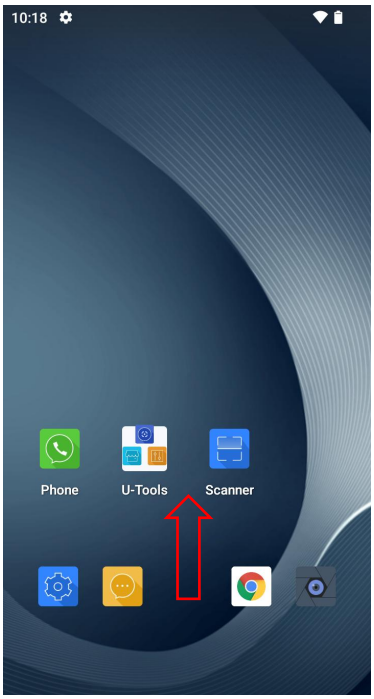
2. Select to switch between the front and rear camera.

3. Click Photo, ProMode (to manually control setting for ISO, exposure, white balance, and focus), video or HFR(to use a higher frame rate).

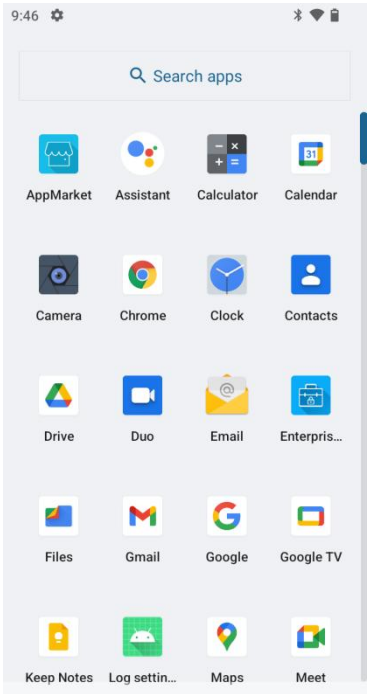
4. Click or the volume button to take a photo.

# Chapter 7-Application

## Application Window



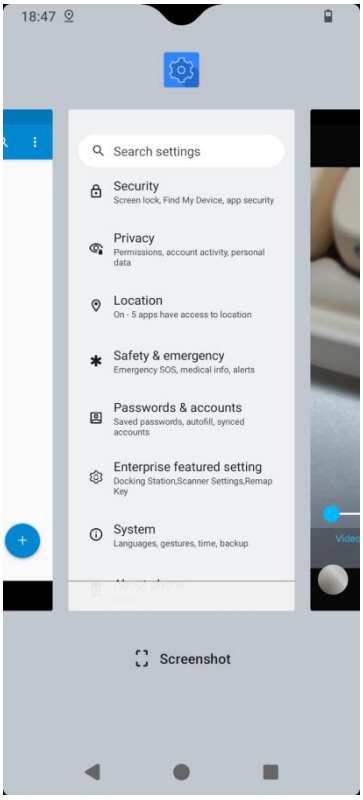

On the Home screen, swipe up from the bottom of the screen.




**Applications Window**

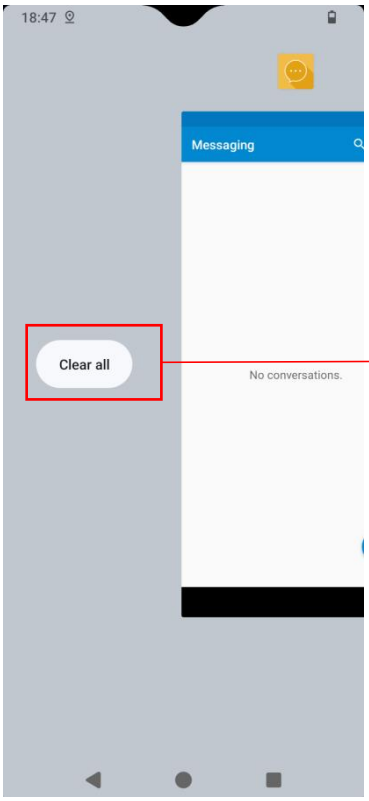
Slide the APPS window up or down to view more app icons. Touch an icon to open the app.

# Switching Between Recent Apps




**To switch between recent apps:**

1. Touch . A window appears on the screen with icons of recently used apps.
2. Slide the apps displayed left and right to view all recently used apps.
3. Swipe up to remove app from the list and force close the app.
4. Touch the software page to open the application and touch the blank area to return to the current screen.

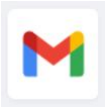



Click here to clear all background apps.

# Apps Icon

| Icon | Description |
|---|---|
| | **App Market-** Download apps defined in the cloud management platform. |
| | **Calculator-** Provide basic and scientific calculating functions. |
| | **Calendar-** View and manage calendar events. |
| | **Camera-** Take photos and record videos. |
| | **Chrome-** Access the network. |
| | **Clock-** Set the alarm and timer. |
| | **Contacts-** Manage contact information. |
| | **Drive-** Allows offline access to users' files stored and share them with others. |
| | **DUO-** For video calls. |
| | **Enterprise Launcher-** Restricts access to programs and settings on the device, enabling control of the device and simplifying the enterprise desktop. |

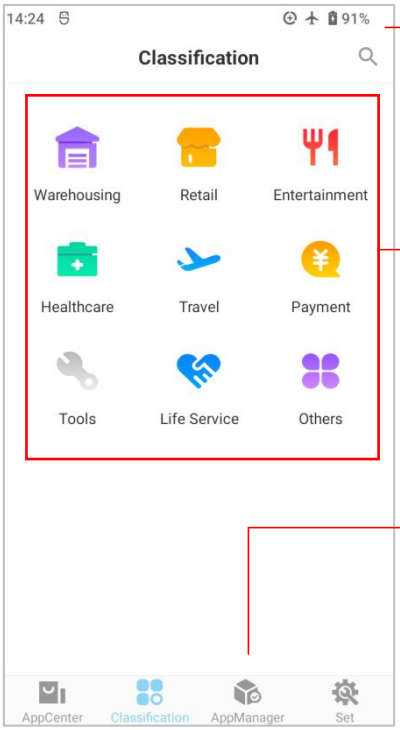
Applications

| | |
|---|---|
| | **Files-** List all the files downloaded from the device. |
|  | **Gmail-** Receive and send e-mails. |
| | **Google-** Access the network. |
| | **Google TV-** Allows users to browse, download and use applications published by Google. |
| | **Keep Notes-** For easy creation of articles, pictures, voice notes, and timely uploading to the cloud for saving. |
| | **Maps**- Browse maps, search for locations, check bus and car routes, and view real-time traffic status. |
| | **Meet**- High quality video calling with Google Meet. |
| | **Messaging-** Receive and send SMS and MMS. |
| | **Phone-** Dial a phone number for voice communications. |
| | **Photos-** View or edit photos in the device. |
| | **Play Store**- Used to find the latest Android apps, games, movies and more. |
| | **Scanner-** Test the engine module of scanner, Images can be displayed in real time. |
| | **Scanner-** Test the engine module of scanner. |

Applications

| | |
|---|---|
| | **ScanWedge-** Allows to modify the default settings for scanning and to create new scan settings to be applied to custom software. |
| | **Settings-** Use to **c**onfigure the device. |
| | **U Stage-** Provides enterprise IT administrators and agents with quick device configuration synchronization |
| | **WIFI Diagnosis-** Real-time analysis and troubleshooting of WiFi to pinpoint problems |
| | **YouTube-** Used to download, watch and share videos or clips. |
| | **YT Music-** Used to play audio files from this unit or stored in Micro SD Card. |

# App Market

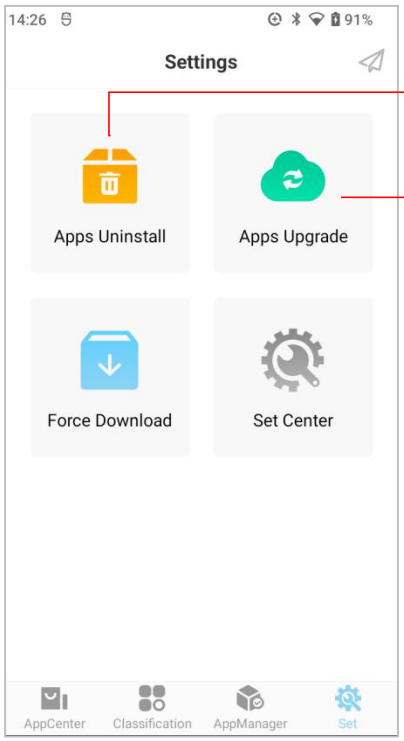



**App Market - Classification**

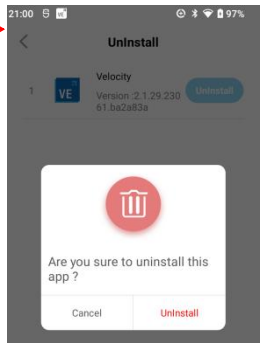
Search application.

Classification-Click the type of APP you want to download.

View the downloading and installed apps.

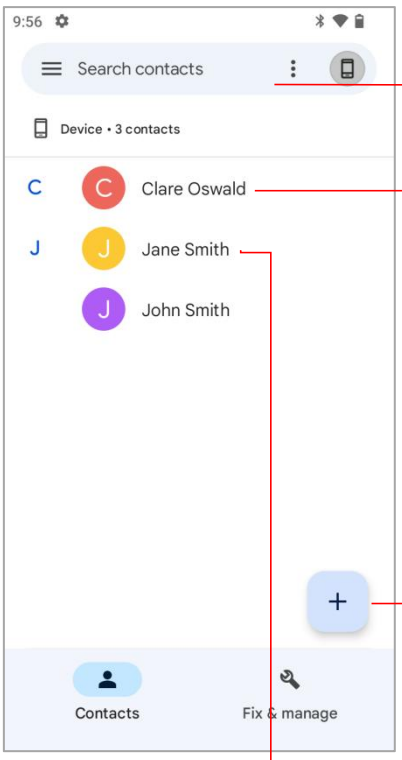



**App Market - Set**



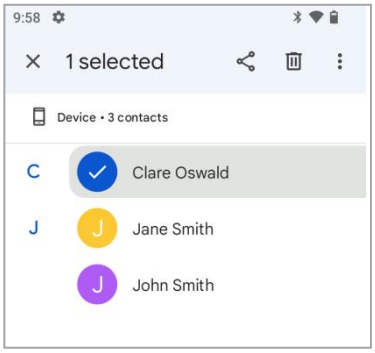

Displays upgradable applications.

# Contacts

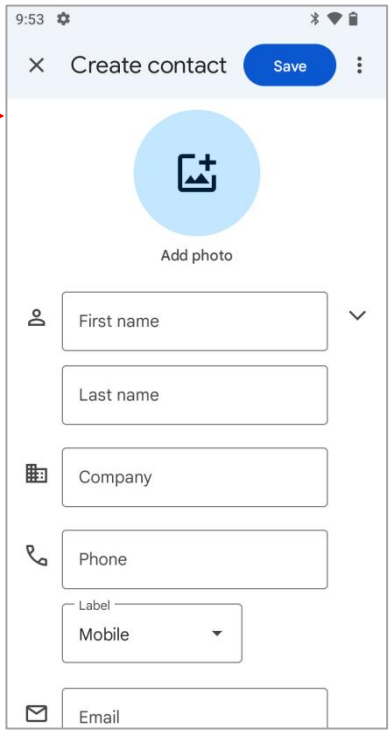


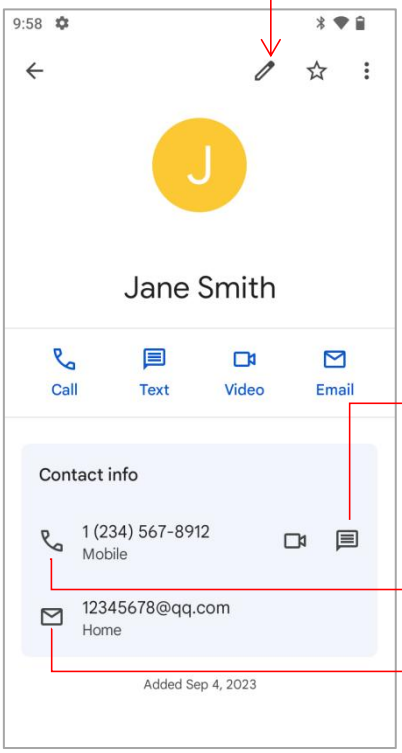

Search for contacts.

Long press a contact to share or delete it.




Create a new contact.




Send a message to the contact.

Make a call to the contact person.

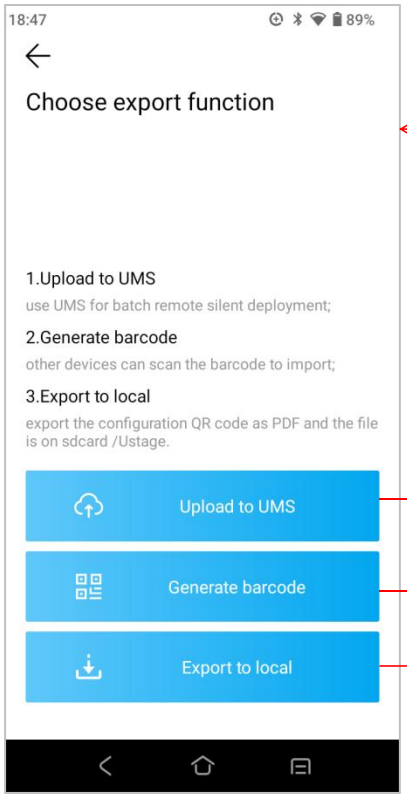
Send an email to the contact.

# U stage

U Stage provides enterprise IT administrators and agents with quick device configuration synchronization.

After the first device is configured according to enterprise requirements, other devices can be configured synchronously in a simple way, thus making mass devices reach their working state simply and quickly, facilitating enterprise control, and reducing the errors of human configuration.

Modify the Settings to be synchronized.




**Choose Export function**

Upload the configuration file to UMS, then push to devices group.

Create a barcode, and the new device scans it to complete the synchronization configuration.

Export the configuration file locally.

# Chapter 8-Maintenance and Troubleshooting

## Maintenance Equipment

For trouble-free service, observe the following tips when using the DT610:

• Do not scratch the screen of the DT610.

• The touch-sensitive screen of the DT610 is glass. Do not drop the DT610 or subject it to strong impact.

• Protect the DT610 from temperature extremes. Do not leave it on the dashboard of a car on a hot day, and keep it away from heat sources.

• Do not store or use the DT610 in any location that is dusty, damp, or wet.

• Use a soft lens cloth to clean the DT610. If the surface of the screen becomes soiled, clean it with a soft cloth moistened with a diluted window-cleaning solution.

**Long-Term Storage**

When storing the device for long periods of time, ensure that the battery has at least 50% charge and is stored at -40~70°C.

**Cleaning Instructions**

Do not apply the liquid directly to the device. Dampen a soft cloth or use pre-moistened wipes.

Do not wrap the device in the cloth or wipe, but gently wipe the unit. Be careful not to let liquid pool around the display window or other places. Allow the unit to air dry before use.

# Cleaning Equipment

## Cleaning Materials Required

Alcohol wipes, Lens tissue, Cotton-tipped applicators, Isopropyl alcohol, Can of compressed air with a tube.

## Cleaning Frequency

Because mobile devices are used in different environments, the frequency of cleaning is determined by the user. Customers can decide how often to clean as needed.However, if used in a dirty environment, it is recommended to clean the camera window regularly for optimal performance.

## Cleaning the DT610

**Housing**: Using the alcohol wipes, wipe the housing including the buttons.

**Display**: The display can be wiped down with alcohol wipes, but care should be taken not to allow any pooling of liquid around the edges of the display. Immediately dry the display with a soft, non-abrasive cloth to prevent streaking.

**Camera and Exit Window**: Wipe the camera and exit window periodically with lens tissue or other material suitable for cleaning optical material such as eyeglasses.

**Connector Cleaning:**

1. Connector Cleaning;
2. Dip the cotton portion of the cotton-tipped applicator in isopropyl alcohol.
3. Rub the cotton portion of the cotton-tipped applicator back and forth across the connector. Do not leave any cotton residue on the connector.
4. Repeat at least three times.
5. Use the cotton-tipped applicator dipped in alcohol to remove any grease and dirt near the connector area.
6. Use a dry cotton-tipped applicator and repeat steps 4 through 6.
7. Spray compressed air on the connector area by pointing the tube/nozzle about ½ inch away from the surface.8.Inspect the area for any grease or dirt, repeat if required.

**Cleaning Cradle Connectors**:

1. Remove the DC power cable from the cradle.
2. Dip the cotton portion of the cotton-tipped applicator in isopropyl alcohol.
3. Rub the cotton portion of the cotton-tipped applicator along the pins of the connector. Slowly move the applicator back and forth from one side of the connector to the other. Do not leave any cotton residue on the connector.
4. All sides of the connector should also be rubbed with the cotton-tipped applicator.
5. Spray compressed air in the connector area by pointing the tube/nozzle about ½ inch away from the surface.
6. Remove any lint left by the cotton-tipped applicator.
7. If grease and other dirt can be found on other areas of the cradle, use a lint-free cloth and alcohol to remove them.
8. Allow at least 10 to 30 minutes (depending on ambient temperature and humidity) for the alcohol to air dry before applying power to cradle.If the temperature is low and humidity is high, a longer drying time is required. Warm temperature and dry humidity require less drying time.

# Troubleshooting

The following tables provides typical problems that might arise and the solution for correcting the problem.

| Problem | Reason | Solution |
|---|---|---|
| Press the power key but DT610 does not work. | The battery is not charged. | Charge the battery. |
| | The system crashes. | Execute resetting. |
| The battery is not charged | The battery breaks down. | Replace the battery. |
| | The battery's temperature is exceptional. | Contact for technical support. |

| | | |
|---|---|---|
| During data communication via Wi-Fi, no data are transferred or not all data are transferred. | Wi-Fi communication is not enabled. | Enable Wi-Fi communication. |
| | The device is out of the range of the access point. | Move closer to the access point. |
| During data communication via Bluetooth, no data are transferred or not all data are transferred. | Bluetooth communication is not enabled. | Turn on Bluetooth communication. |
| | The device is out of the signal range of another Bluetooth device. | Move within 10m (32.8ft) range of another device. |
| No sound. | Volume setting is too low or turned off. | Adjust volume. |
| DT610 is off. | DT610 is at inactive state. | Not use for a while, the display will automatically turn off. Set the duration to be longer, such as 15 s, 30 s, 1 min, 2 min, 5 min, 10 min or 30 min. |
| | The battery is depleted. | Charge the battery. |
| Tapping a window button or icon but fail to trigger the corresponding function. | The device does not respond. | Reset the device. |
| A message pops up, indicating that DT610's storage is full. | Too many files are saved in DT610. | Delete unused memos and records. If necessary, save such records in the host (or use SD Card as additional memory). |
| | Too many apps are installed in DT610. | Uninstall unused apps in DT610 to recover storage capacity. |
| DT610 fails to decode while reading a bar Code. | The bar code is unreadable. | Check the barcode is not damaged. |
| | The distance between the laser scanning window and bar code is wrong. | Put DT610 within proper scanning range. |
| | The bar code type is not checked, or bar code length is wrong. | Set DT610 to accept the scanned bar code type. |

| | | |
|---|---|---|
| | Battery low. | If the scanner stops emitting a laser beam upon a trigger press, check the battery level. When the battery is low, the scanner shuts off before the DT610 low battery condition notification. Note: If the scanner is still not reading symbols, contact the distributor or the Global Customer Support Center. |
| Cannot unlock DT610 | User enters incorrect password. | If the user enters an incorrect password eight times, the user is requested to enter a code before trying again.If the user forgot the password, contact system administrator. |
| DT610 cannot find any Bluetooth devices nearby. | Too far from other Bluetooth devices. | Move closer to the other Bluetooth device(s), within a range of 10 meters (32.8 feet). |
| | The Bluetooth device(s) nearby are not turned on. | Turn on the Bluetooth device(s) to find. |
| | The Bluetooth device(s) are not in discoverable mode. | Set the Bluetooth device(s) to discoverable mode. |

# About a Factory Reset

You can securely erase all your information, content, and settings in internal shared storage and the IPSM card storage locations on the device. When you erase your device it’s restored to factory settings.

Caution: Before you start, suggest backing up your data so you can restore your them later on a different device.

- If you have an eSIM, you can choose to erase your eSIM or keep it. If you erase your eSIM, you need to contact your carrier to reactivate your cellular plan. (eSIM is not available on all models or in all countries and regions).
- If you added a Google Account to the device, make sure you have your Google username and password, otherwise you are unable to use the device after the reset. Perform the factory reset after 24 hours if you recently reset your Google Account password.

# Software Downloads

Urovo softwares， including OS, SDK and Urovo Enterprise Enabler Apps, are available online through partner portal: https://file.en.urovo.com/ You need to create a log-in account for portal access if you have not created one.

# Precautions

1. Read all information in this guide before using the device to ensure safe and proper operation.

2. Please use the accessories that have been approved by this manufacturer and correspond to this model. Use of any power source, charger, battery, etc. that has not been approved by this manufacturer may cause a fire, explosion, or other hazards.

3. Please use device and accessories within the specified temperature range. Equipment failure may occur when the ambient temperature is too high or too low.

4. Do not disassemble the product and its accessories. If the equipment or any of its components are not working properly, consult the after-sales service of the company promptly, or send the equipment to the after-sales service outlet for testing and maintenance.

5. The battery is made from a flammable and explosive material. Do not disassemble, squeeze, drop and make any other destructive operations on the battery. Do not place the battery in high temperatures.

6. Disposal of used batteries is subject to local relevant documents or policies regarding

disposal of used batteries.

7. The DT610 contain one or more lasers, can only be serviced by Urovo or an authorized service provider to avoid damage that could result in hazardous exposure to infrared laser emissions.

# Warranty Policy

Thank you for using Urovo intelligent terminal series products. In the situation of quality problems, which arise from raw materials or production processes, during normal use of purchased products, Urovo PTE. LIMITED. will be responsible for free maintenance within one year from the date of purchase.

The company may provide repairs due to the user's failure to use the product according to the provided instructions of the product. However, corresponding service fee and component fee will be charged.

Warranty regulations:

1. Under normal circumstances, the warranty period of the device is 12 months (3 months for accessories), subject to the sales agreement.

2. During the product warranty period, under the normal use conditions (determined by our technical staff), the user will be entitled to a free warranty for damaged or faulty warranty parts.

3. During the warranty period, faults caused by repair, disassembly or modification of the product by a personnel other than our company, improper installation, improper use by the user (failure to follow instructions), serial number damage, accident or natural disaster, will not be covered under the warranty.

4. The warranty will expire immediately if any alterations are made to the warranty card.

5. Please show the equipment SN and purchase certificate for repair. The company reserves the right to interpret the above contents.

# Developer Information

To get developer information, you can go to the Technical Support Developer Doc at https://www.urovo.com/developer/index.html

# Label Locations

You can find device compliance information, model number, serial number, IMEI number on the labels inside the battery compartment. Laser safety labeling is located on the back of the device.

**UROVO PTE. LIMITED**

Website: en.urovo.com

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