

ME10

User Manual



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About this Guide

Introduction

This guide provides information about setting up and using the ME10 wearable computer. Some screens shown in this guide may differ from the actual screens shown on the device.

Determining the Serial Number

Before contacting Customer Support, determine the serial number of your device.

Touch **Settings** > **About phone** > **Phone SN**.

Determining Software Versions

Before contacting Customer Support, determine the current software version on your device.

1. Touch **Settings** > **About phone**.
2. Scroll to view the following information:

- **Device name**
- **Legal information**
- **Model**
- **Phone SN**
- **Android version**
- **IP address**
- **Wi-Fi MAC address**
- **Bluetooth address**
- **Build number**

Service information

If you have a problem with your equipment, contact Customer Support for your region. Contact information is available at: www.meferi.com.

When contacting support, please have the following information available:

- Device SN (Phone SN) (found on manufacturing label)
- Model number or product name (found on manufacturing label)
- Software type and version number

Customer Support responds to calls by email or telephone within the time limits set forth in support agreements.

Getting Started

Introduction

This chapter describes product information and instruction of device for the first time.

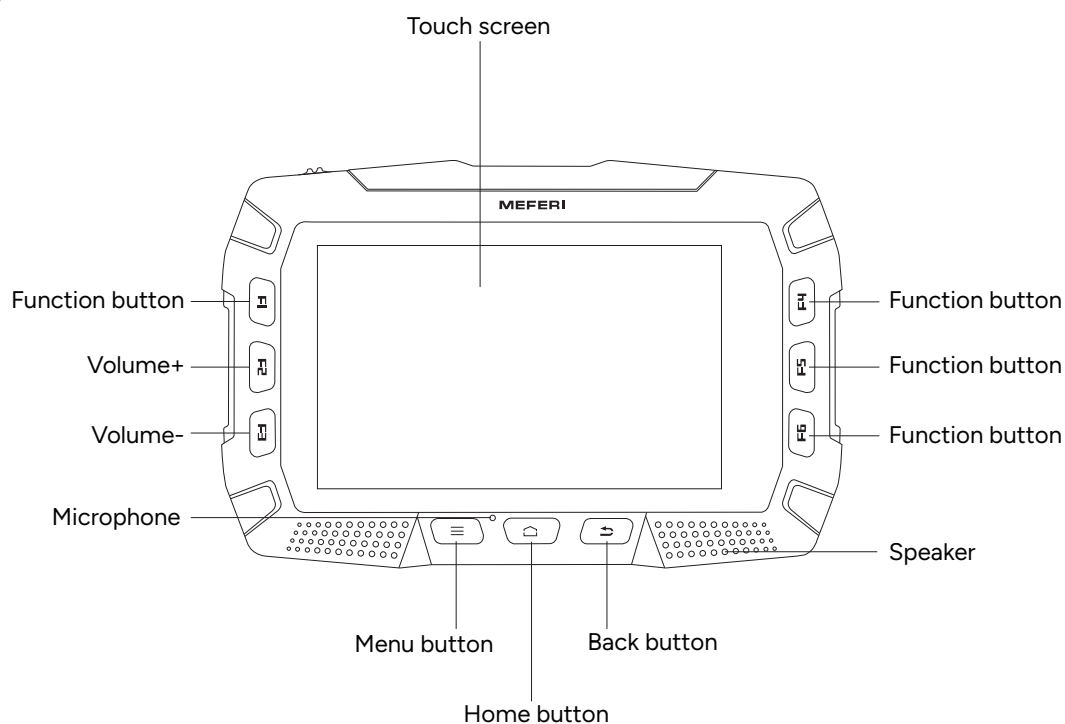
Unpacking

To unpack the device:

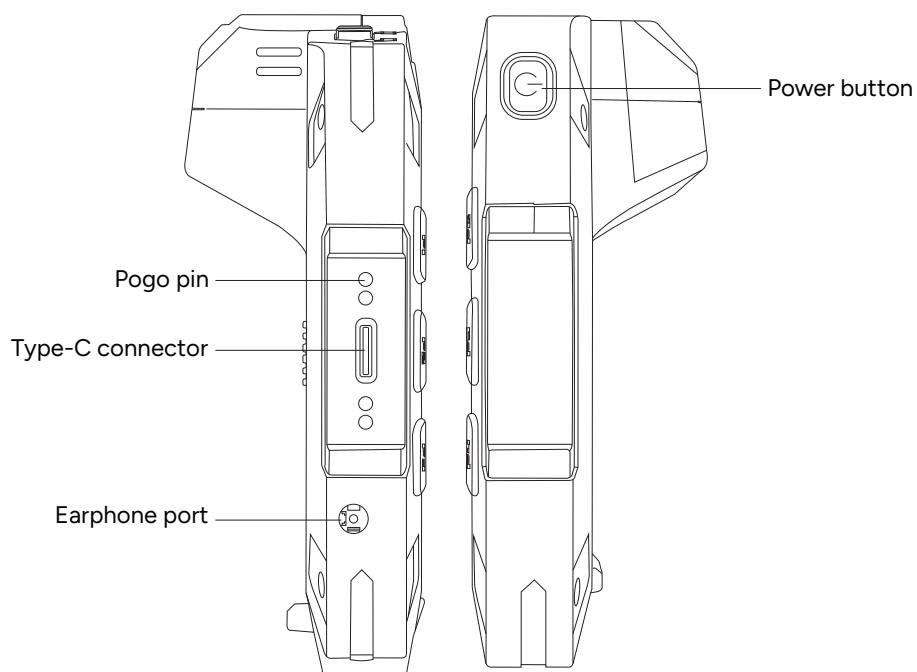
1. Carefully remove all protective material from the device and save the shipping container for later storage and shipping.
2. Verify that the following items were received:
 - ME10 Device×1
 - Battery×1
 - Power Adapter×1
 - USB cable×1
 - Wrist Mount×1
 - Quick start guide×1
3. Inspect the equipment for damage. If any equipment is missing or damaged, contact customer support center immediately.
4. Before using the device for the first time, remove the protective film that covers the screen.

Device Features

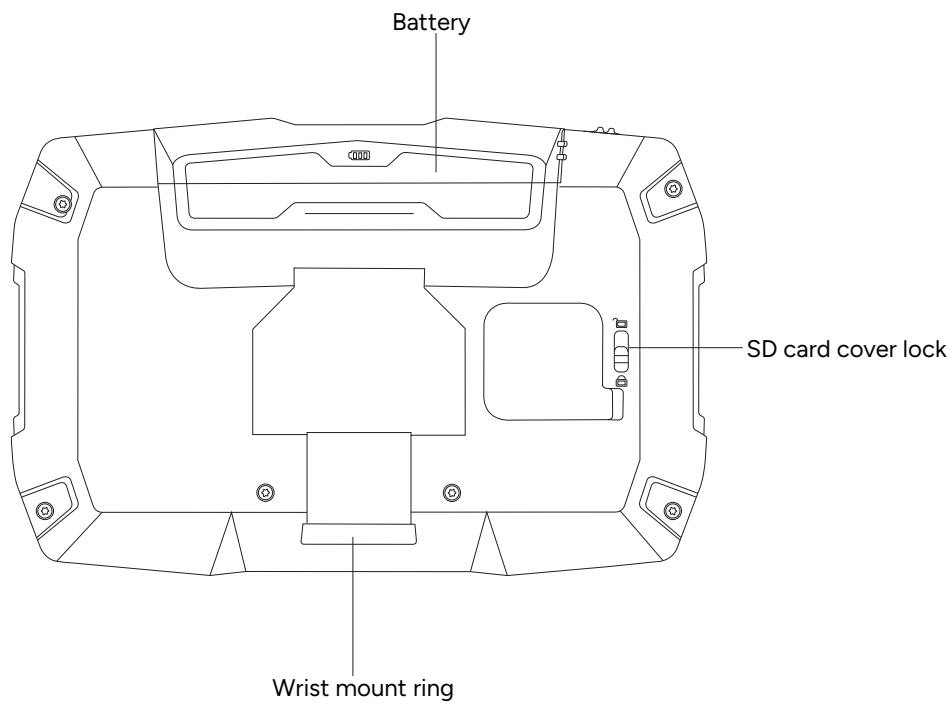
Front View



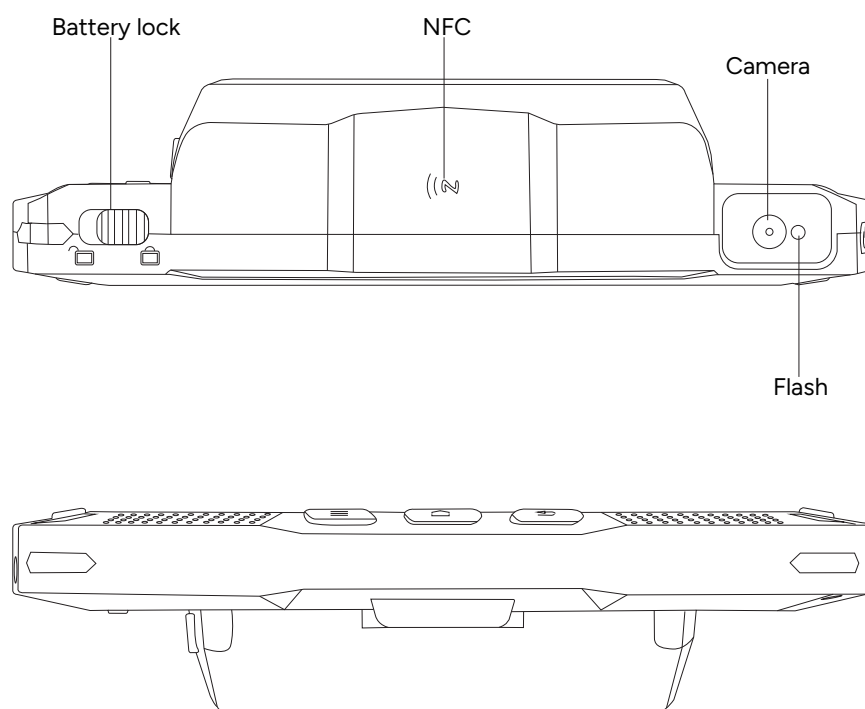
Side View



Rear View



Side View



Setting Up the Device

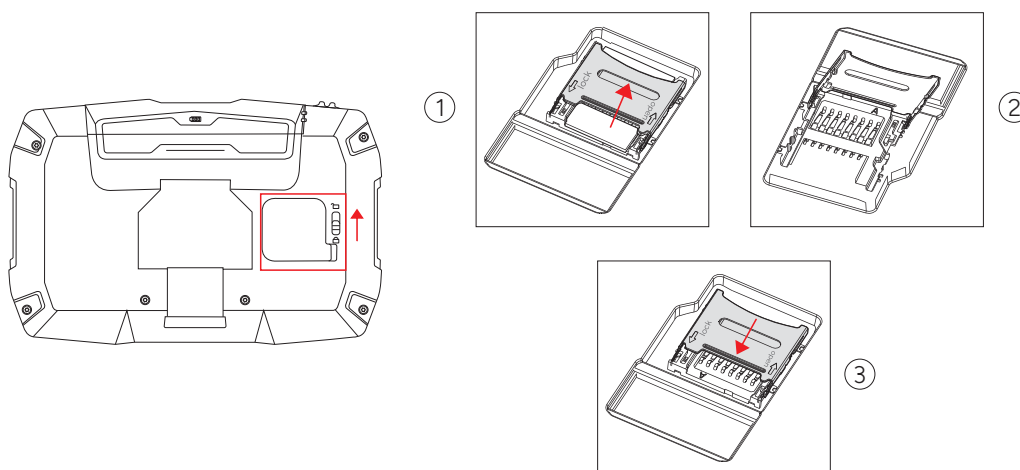
To start using the device for the first time:

1. Install a micro secure digital (SD) card (optional).
2. Install wrist mount (optional).
3. Install the battery.
4. Charge the device.
5. Power on the device.

Installation Guide

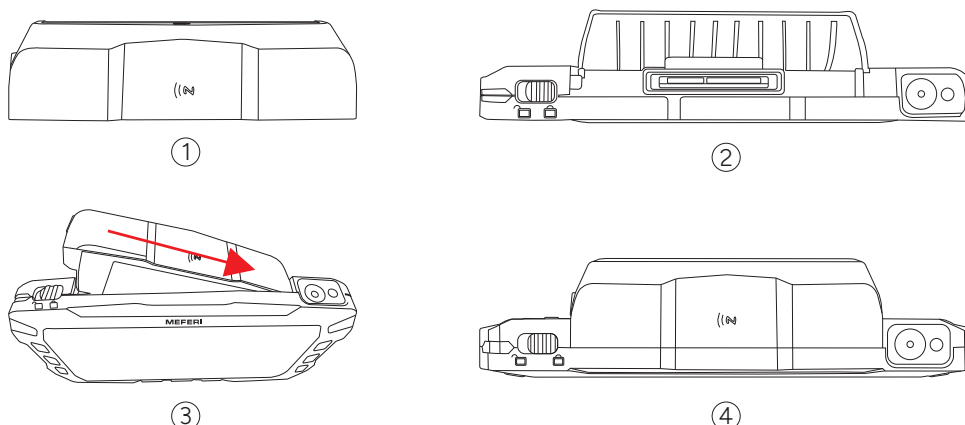
Instruction on SD Card installation

Slide the device's rear cover lock upwards to unlock it, open the rear cover, slide the silver SD card cover in the **open** direction, then lift the card cover to insert the SD card, and finally slide the card cover in the **lock** direction to secure it.



Installing the Battery

1. Insert the battery into the battery compartment at an angle, starting with the right side, ensuring the NFC faces upward.
2. Press down on the upper left corner of the battery to fully insert it.



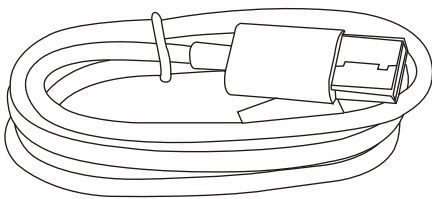
Caution on Battery Charging

1. Please do not use or charge the device in any environment with too high or low temperature;
2. Please use the charger or cradle that comes with the product to charge the battery;
3. If the device (including the battery) is not used for the moment, please separately store the battery and device and pack them in PE bags or other insulated bags in the original package in case that they become damp or contact with other electronic devices.
Do not store the unpacked battery in a stack;
4. Please do not idle the device for over 3 months; be sure to charge and discharge the battery not used for the moment once per 3 months, where the stored battery should be 60%~70% charged ;
5. The lithium battery should be stored somewhere cool, dry and ventilated. It is advised to be stored in a 0~28℃ environment.

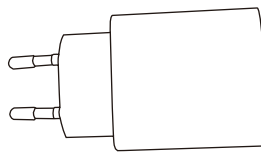
Charging Method

Charging with Type-C USB cable

For Type-C USB cable, link one end to computer and the other to device. In charging, the device's charge indicator is red, which will turn green when the device is fully charged.



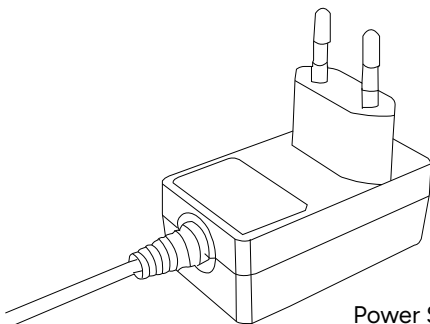
Type-C USB Cable



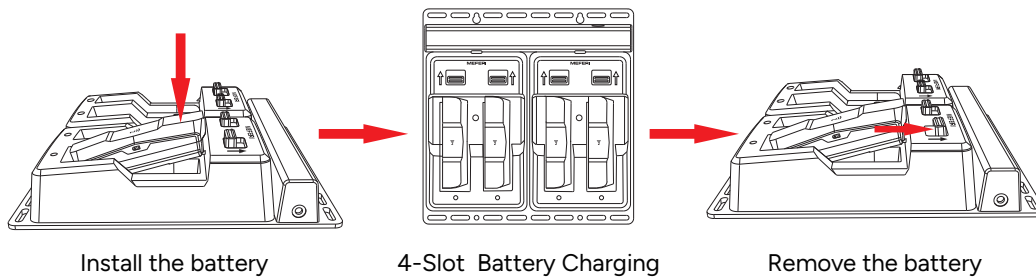
Power Adapter

4-Slot Battery Charger Only with Battery Charger

1. **Connecting the Power Supply:** Connect the 12V/4A power supply adapter to the DC interface on the side of the 4-slot battery charger.
2. **Inserting the Battery:** Insert the battery into the charger slot according to the images provided on the 4-slot Battery Charger.
3. **Monitoring Charging Status:** While the battery is charging, the status LED indicator next to the battery will be red. It turns green when the battery is fully charged.
4. **Using Multiple Slots:** All slots can be used either individually or simultaneously to charge the batteries.
5. **Removing the Battery:** When the battery is fully charged, remove it by lifting from the sides using the recesses for grip.

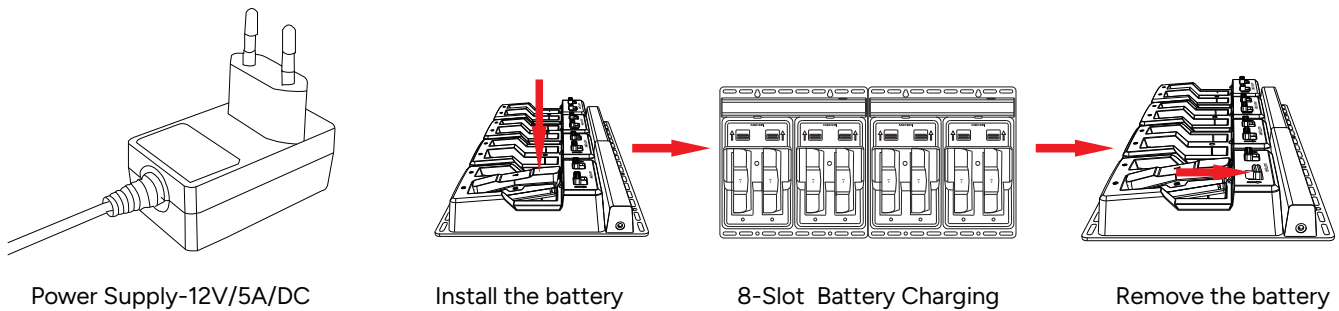


Power Supply-12V/4A/DC



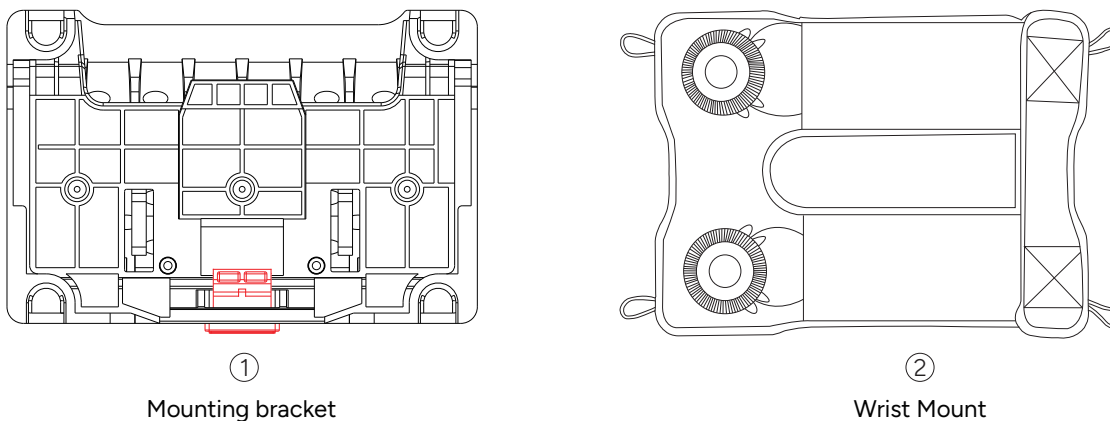
8-Slot Battery Charger Only with Battery Charger

- 1. Connecting the Power Supply:** Connect the 12V/5A power supply adapter to the DC interface on the side of the 8-slot battery charger.
- 2. Inserting the Battery:** Insert the battery into the charger according to the images displayed on the 8-slot Battery Charger.
- 3. Monitoring Charging Status:** The status LED indicator next to the battery will turn red while the battery is charging and change to green when it is fully charged.
- 4. Using Multiple Slots:** All slots can be utilized either individually or simultaneously for charging the batteries.
- 5. Removing the Battery:** Once the battery is fully charged, remove it by lifting from the sides using the recesses for better grip.

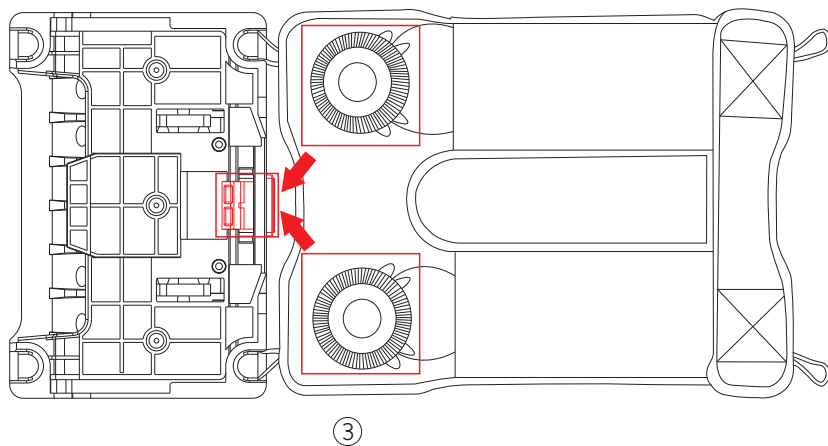


Installing the Wrist Strap (wrist strap is ordered separately)

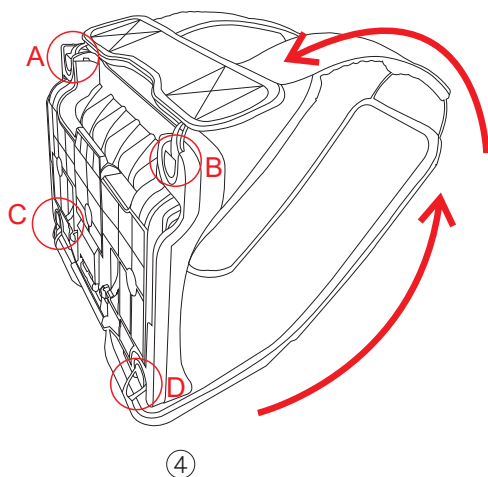
The wrist mount provides the mounting of the device on the forearm for hands-free applications.



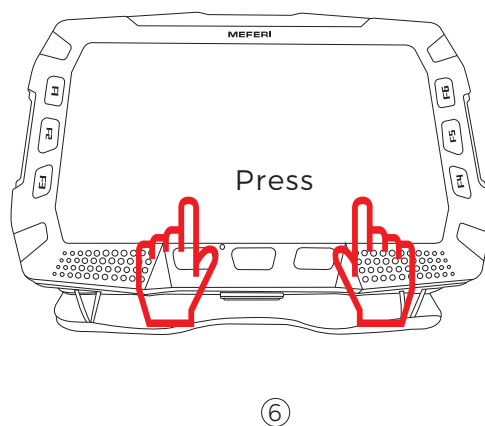
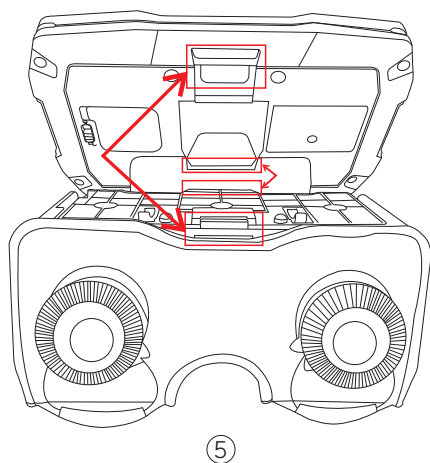
1. The two knobs should be aligned with the red direction.



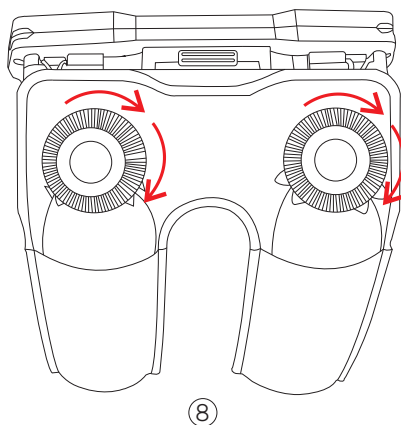
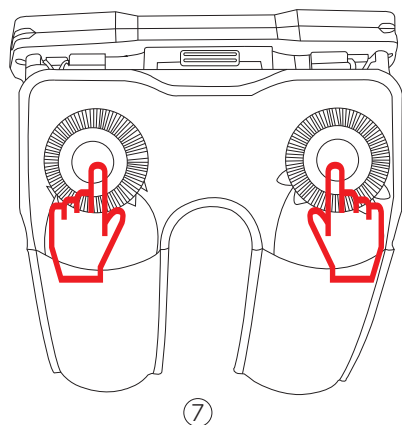
2. The lanyard of the wrist strap must be installed on the four corners of A. B. C. D of the base.



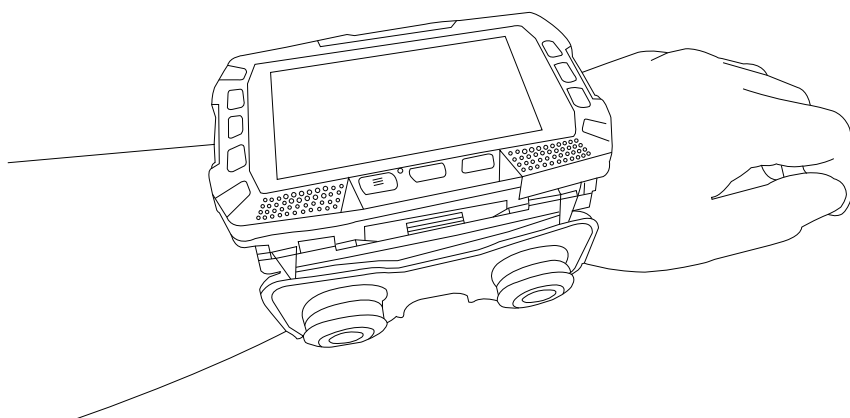
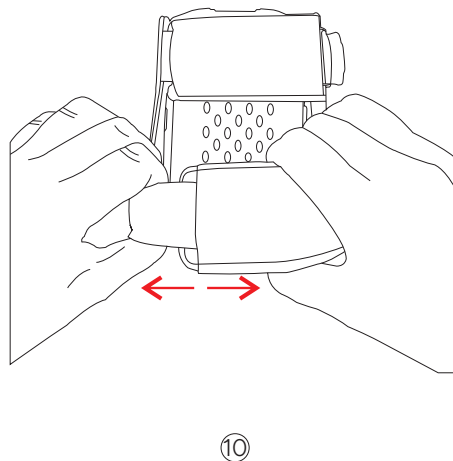
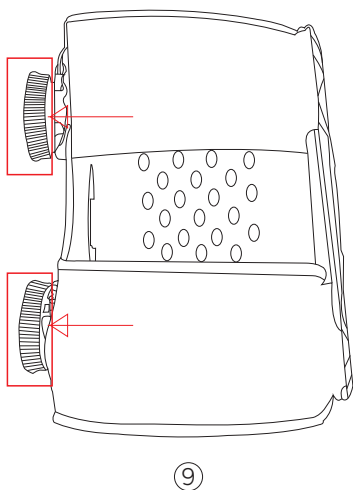
3. Align the cleat on the back of the device with the mounting bracket on the wrist mount.



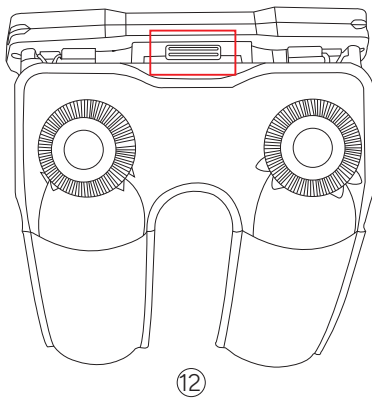
4. Adjust the wrist mount: Press the two knobs, turn clockwise to the left, and shrink the wrist strap.



5. Pull up in two knobs, then pull the strap sideways to lengthen the strap.

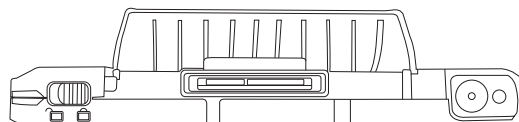
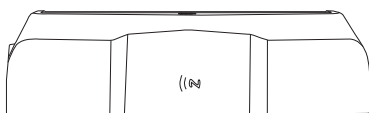
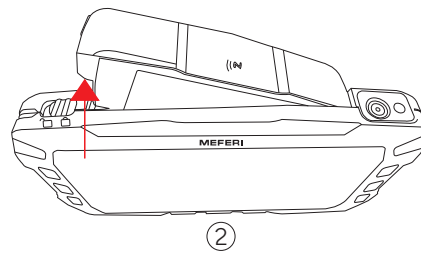
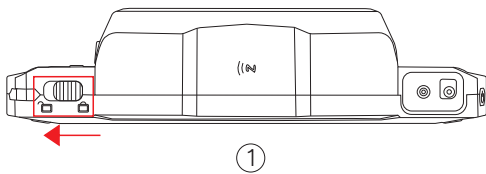


6. Press the red button to disassemble the device.



Battery Removal

1. Slide the silver battery lock next to the battery to the left to unlock it.
2. Lift the battery out of the battery well.

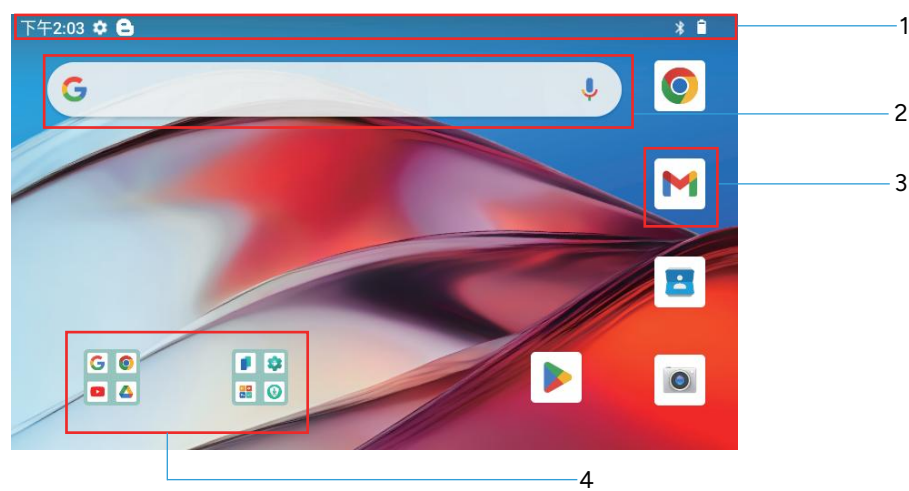


Using the Device

This chapter explains how to use the device.

Home Screen

Turn on the device to display the Home screen. Depending on how your system administrator configured your device, your Home screen may appear differently than the graphics in this chapter.



1	Status bar	Displays the time, status icons (right side), and notification icons (left side).
2	Widgets	Launches stand - alone apps that run on the Home screen.
3	Shortcut icons	Opens apps installed on the device.
4	Folder	Contains apps.

Status Bar

The Status bar displays the time, notification icons (left side), and status icons (right side).

If there are more notifications than can fit in the Status bar, a dot displays indicating that more notifications exist. Swipe down from the Status bar to open the Notification panel and view all notifications and status.



1	Notification icons
2	Status icons

Notification Icons

Notification icons indicate app events and messages.

Icon	Description
	Main battery is low.
	More notifications are available for viewing.
	Data is syncing.
	Indicates an upcoming event. AOSP devices only.
	Open Wi-Fi network is available.
	Audio is playing.
	Problem with sign-in or sync has occurred.
	Device is uploading data.
	Animated: the device is downloading data. Static: the download is complete.
	Preparing internal storage by checking it for errors.
	Indicates the ring scanner is connected to the device in HID mode.

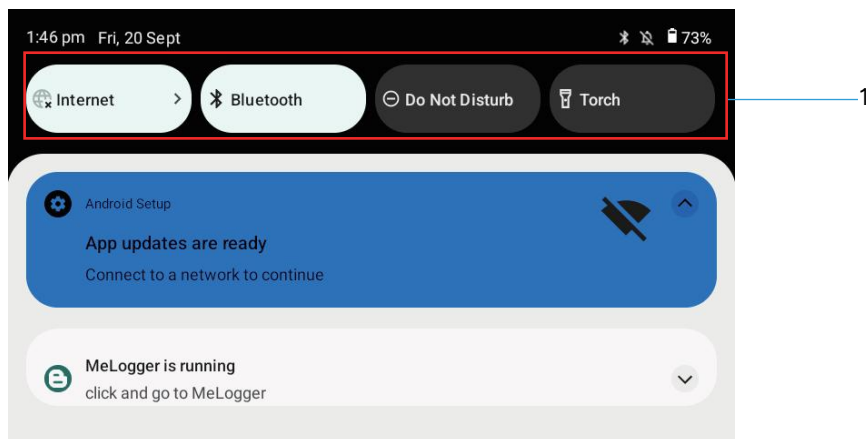
Status Icons

Status icons display system information for the device.

Icon	Description
	Alarm is active.
	Main battery is fully charged.
	Main battery is partially drained.
	Main battery charge is low.
	Main battery is charging.
	All sounds, except media and alarms, are muted. Vibrate mode is active.
	Do Not Disturb mode active.
	Airplane Mode is active. All radios are turned off.
	Bluetooth is on.
	Connected to a Bluetooth device.
	All sounds except media and alarms are muted.
	Connected to a Wi-Fi network. Indicates the Wi-Fi version number.

Managing Notifications

Notification icons report the arrival of new messages, calendar events, alarms, and ongoing events. When a notification occurs, an icon appears in the Status bar with a brief description.

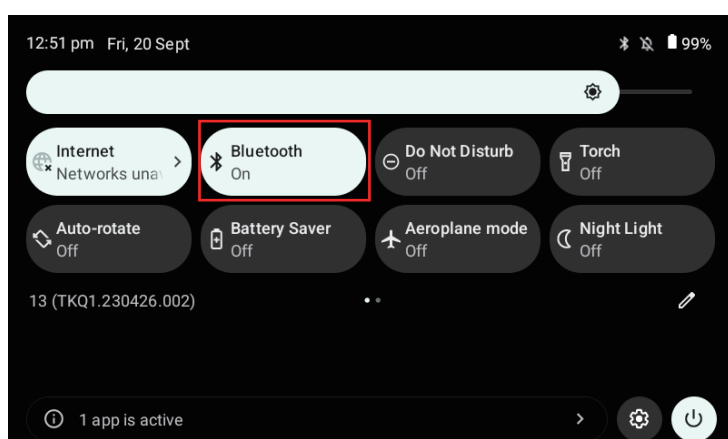


1	Quick settings bar
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- To view a list of all notifications, open the notification panel by dragging the Status bar down from the top of the screen.
- To respond to a notification, open the notification panel and then touch a **Notification**. The Notification panel closes and the corresponding app opens.
- To manage recent or frequently used notifications, open the notification panel and then touch **Manage**. Touch the **APP settings** to turn off all notifications, or touch an **App** for more notification options.
- To clear all notifications, open the notification panel and then touch **CLEAR ALL**. All event-based notifications are removed. Ongoing notifications remain in the list.
- To close the Notification panel, swipe the Notification panel up.

Opening the Quick Access Panel

Use the **Quick Access panel** to access frequently used settings (for example **Bluetooth mode**).



- If the device is locked, swipe down once.
- If the device is unlocked, swipe down once with two fingers, or twice with one finger.
- If the Notification panel is open, swipe down from the **Quick Settings bar**.

Quick Access Panel Icons

Quick Access panel icons indicate frequently used settings (for example, **Bluetooth** mode).

Icon	Description
	Display brightness - Use the slider to decrease or increase the brightness of the screen.
	Internet - Turn Wi-Fi on or off. To open Wi-Fi settings, touch the Wi-Fi network name.
	Bluetooth settings - Turn Bluetooth on or off. To open Bluetooth settings, touch Bluetooth.
	Do not disturb - Control how and when to receive notifications.
	Airplane mode - Turn Airplane mode on or off. When Airplane mode is on the device does not connect to Wi-Fi or Bluetooth.
	Auto-rotate - Lock the device's orientation in portrait or landscape mode or set to automatically rotate.
	Flashlight - Turn flashlight on or off.
	Battery saver - Turn Battery saver mode on or off. When Battery saver mode is on the performance of the device is reduced to preserve battery power.

Editing Icons on the Quick Settings Bar

The first several setting tiles from the **Quick Access panel** become the **Quick Settings bar**.

Open the **Quick Access panel** and touch  to edit, add, or remove settings tiles.

Battery Management

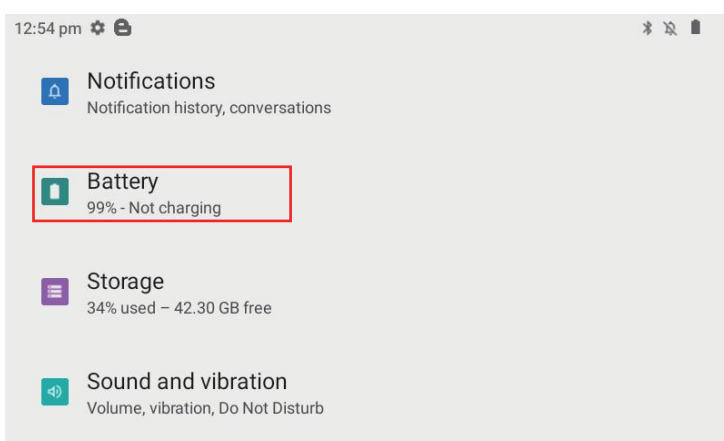
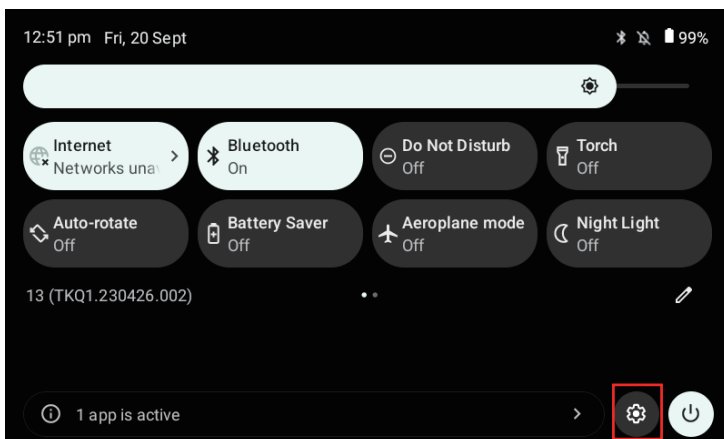
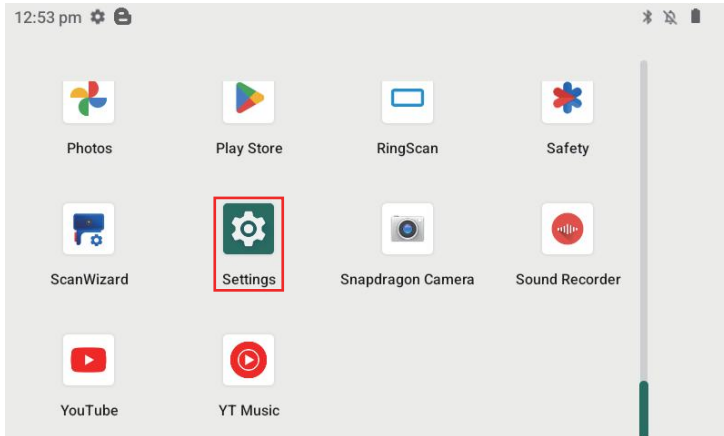
Observe the recommended battery optimization tips for the device.

- Set the screen to turn off after a short period of inactivity.
- Reduce screen brightness.
- Turn off all wireless radios when not in use.
- Turn off automatic syncing for **Email**, **Calendar**, **Contacts**, and other apps.
- Minimize use of apps that keep the device from suspending, for example, **music** and **video** Apps.

NOTE: Before checking the battery charge level, remove the device from any AC power source (cradle or cable).

Checking Battery Status

1. Open **Settings** and touch **Battery** . Or, swipe down from the screen open **Quick Access Panel** and touch **Settings icon** choose **Battery**.



- Battery usage view usage since last full charge.
- Battery level lists the battery charge (as a percentage of fully charged).
- Battery percentage is displayed next to the battery icon.

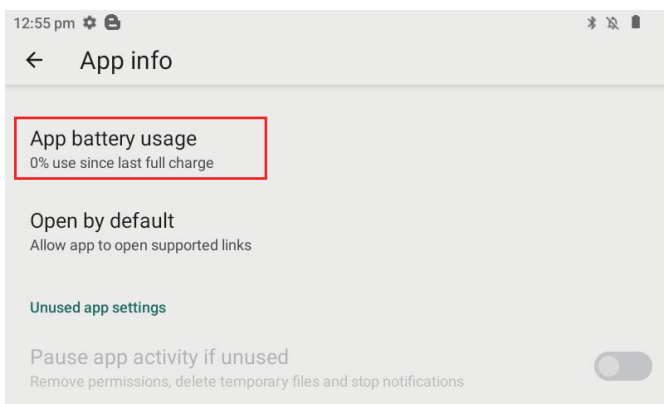
Monitoring Battery Usage

The Battery screen provides battery charge details and battery management options to extend battery life. Different apps display different information. Some apps include buttons that open screens with settings to adjust power use. Use the **Disable** or **Force stop** buttons to turn off apps that consume too much power.

- Go to **Settings**.
- Touch **Battery**.

To display battery information and power management options for a specific app:

- Go to **Settings**.
- Touch **Apps**.
- Choose an app - touch **APP battery usage**.



Low Battery Notification

When the battery charge level drops below the 15% below, the device displays a notice to connect the device to power. The user should charge the battery using one of the charging accessories.

Waking the Device

The device goes into Suspend mode when you after a period of inactivity (if the never setting is changed to something else in **Settings > Display > Screen timeout**).

1. To wake the device from **Suspend mode**, press power button .The Lock screen displays.
2. Swipe the screen up to unlock.

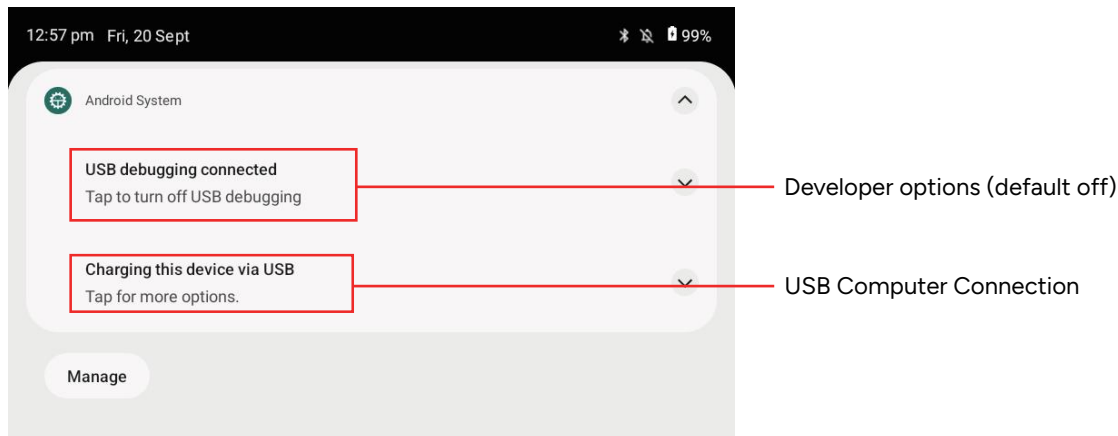
- If the Pattern screen unlock feature is enabled, the **Pattern screen** appears instead of the Lock screen.
- If the PIN or Password screen unlock feature is enabled, enter the PIN or password after unlocking the screen.

CAUTION: If you enter the PIN, password, or pattern incorrectly five times, you must wait 30 seconds before trying again.

- If you forget the PIN, password, or pattern, contact your system administrator.

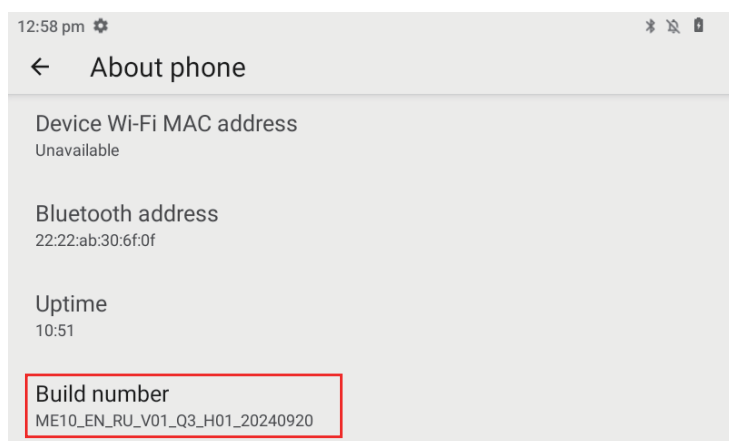
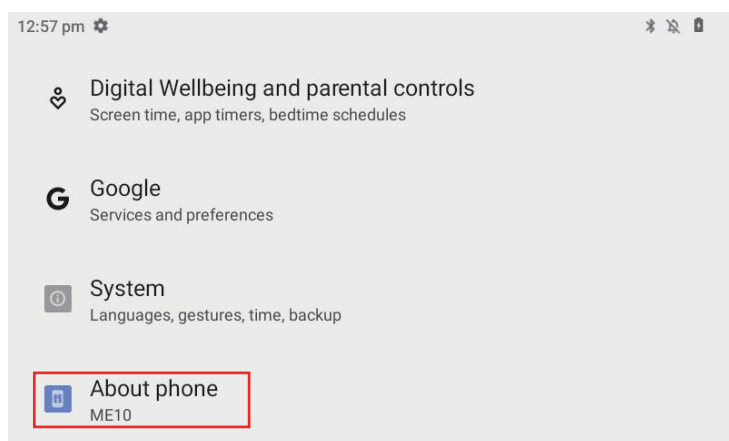
USB Communication

insert one end of the device's USB cable to the device and the other to the PC's USB port to connect the device to the PC, press and hold the top of screen at any interface of the device and pull down to enter the USB settings interface:

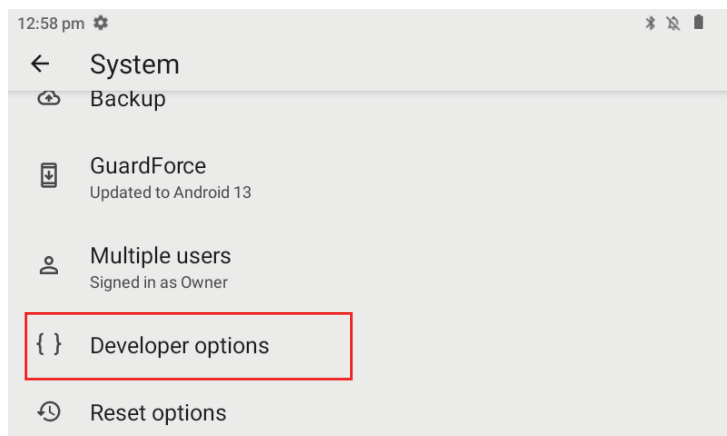


Enable USB Debugging

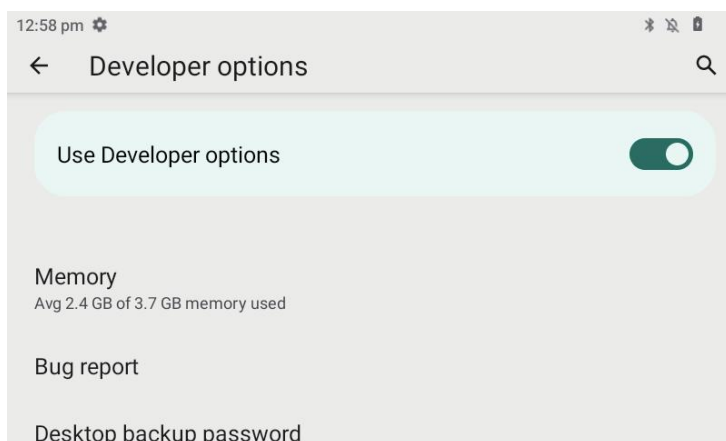
1. Open **Settings** - **About phone** - Click **Build number** 5 times in a row.



2. Open **Settings** - **System** - **Developer options**.



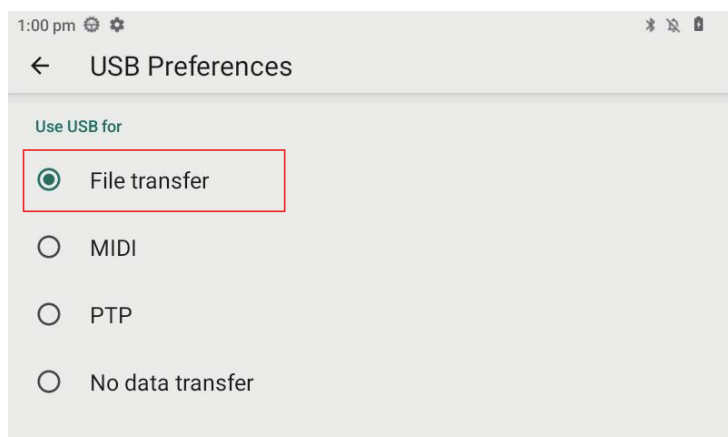
3. Enable USB Debugging to enter the debugging mode.



Transferring Files

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

2. Pull down the status bar to open the notification panel. Select **File Transfer** in USB preferences to transfer media files to Windows or transfer files by any Android file transfer app to Mac.

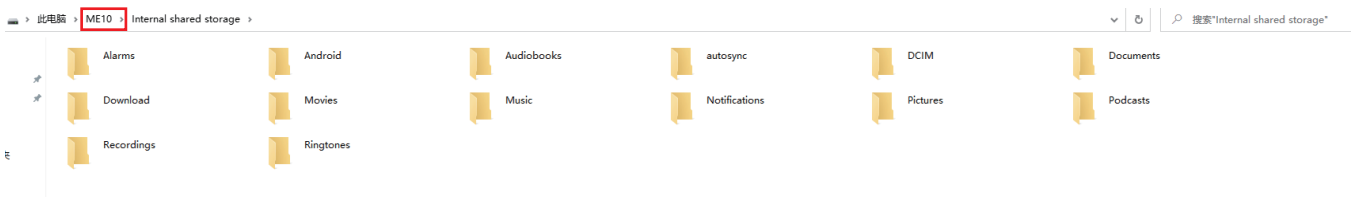


3. At PC end, open **My Computer** to access ME10 device.



4. Open the SD card or the Internal storage folder.

5. Copy files to and from the device or delete files as required.

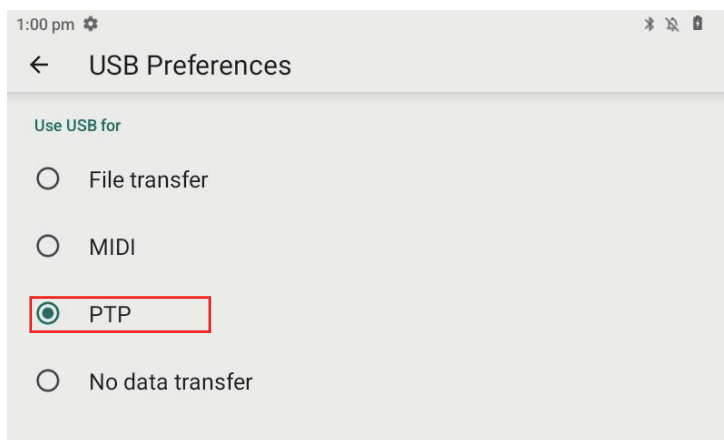


Transferring Photos (PTP)

NOTE: It is recommended to install a microSD card in the device for storing photos due to limited internal storage.

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

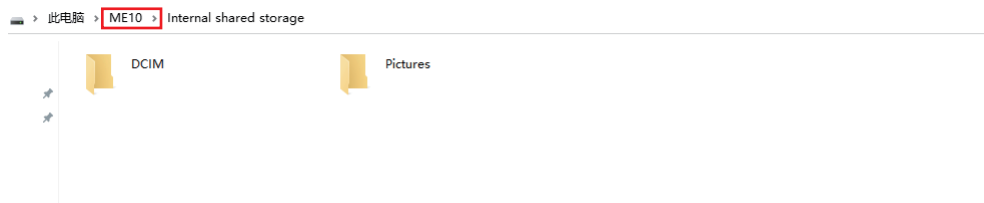
2. Pull down the status bar to open the notification panel and select **PTP** in USB use for to transfer photos to Windows.



3. At PC end, open **My Computer** to access ME10 device.



4. Open the SD card or the Internal storage folder.
5. Copy or delete photos as required.

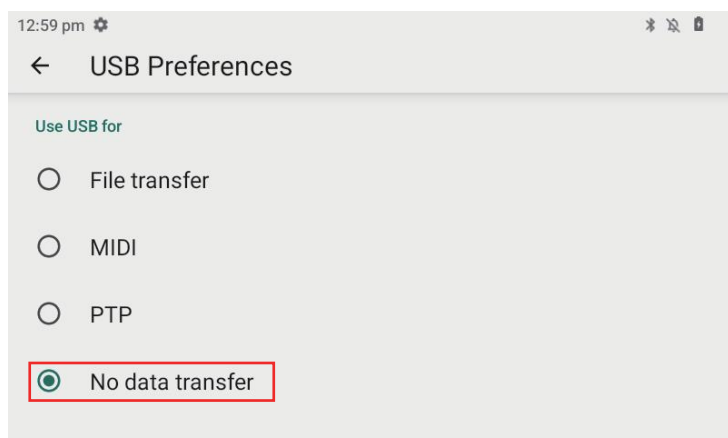


SD Card mounting

In this mode, no microSD Card directory folder will be shown at PC end until a microSD Card is inserted into PC.

Charging mode

1. Connect the device to PC by a USB cable.
2. Pull down the status bar to open the notification panel and select **No Data Transfer** in USB Purpose.



3. In the charging mode, data communication is not available.

Disconnection from PC

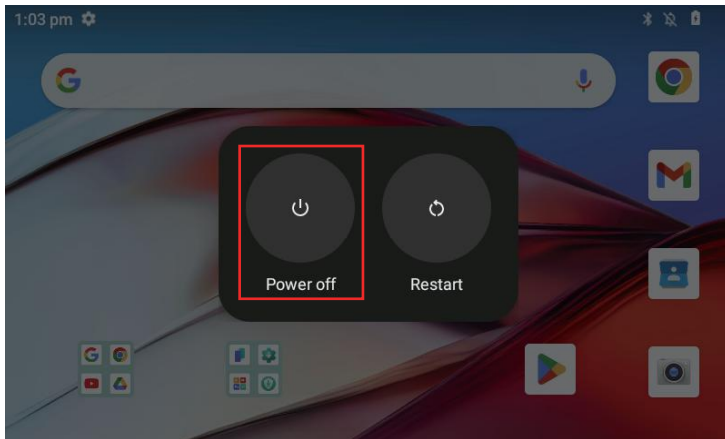
Caution: Please safely unplug the device as instructed at PC before removing the USB cable in case of loss of data.

1. Find the external device identification in the task bar at the bottom right corner of PC.
2. Right click to select **Unplug ME10 Device**.
3. Carefully remove the USB cable.

Power off

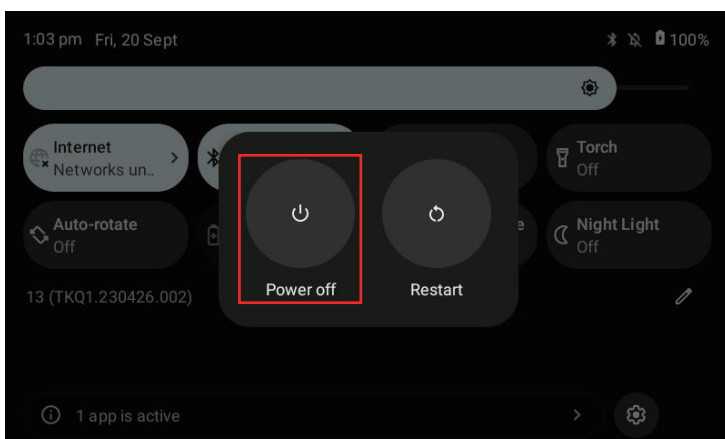
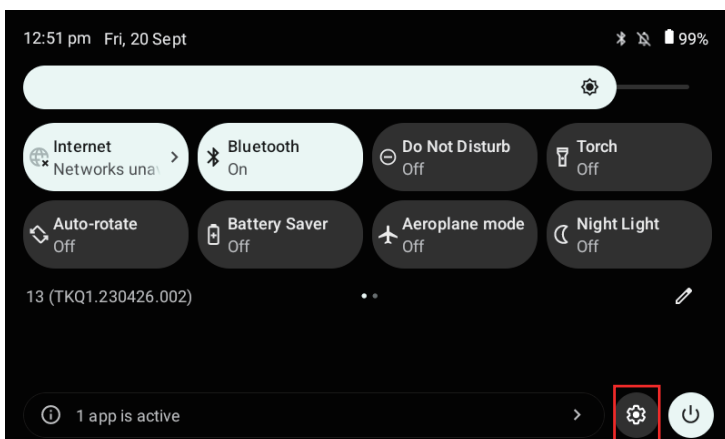
Method 1

1. Long press the power key and wait for a popup dialog box.
2. Tap the **Power off** option.



Method 2

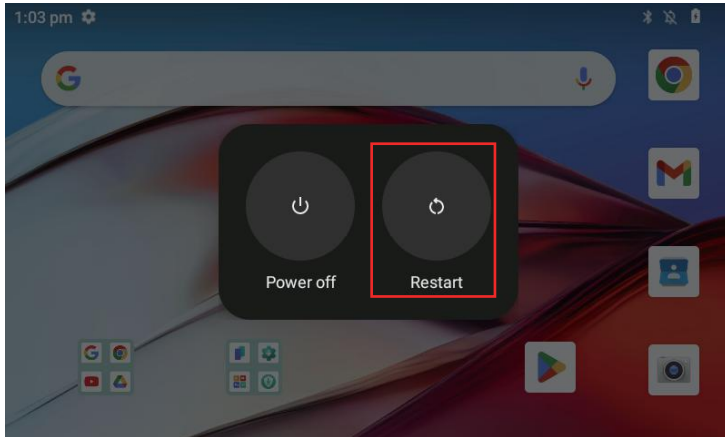
1. Open the **Quick Access Panel**, scroll down, click  , and select **Power off**.



Restart

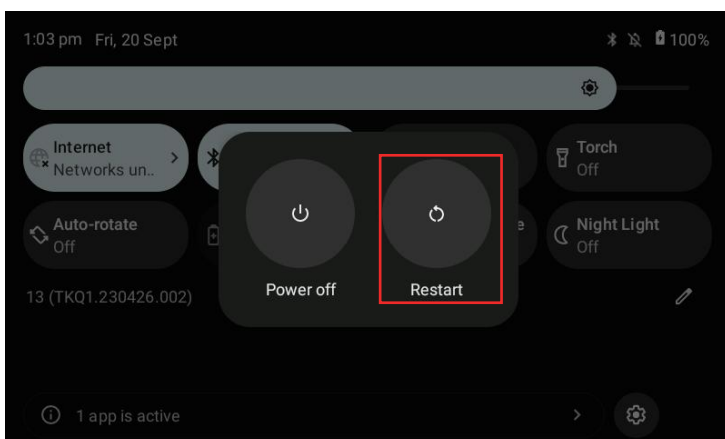
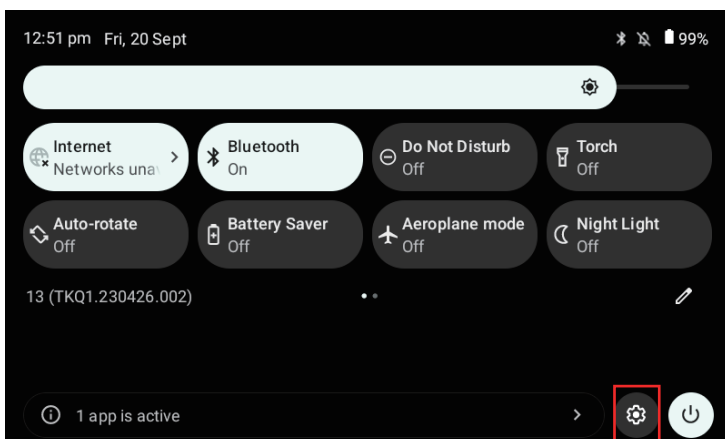
Method 1

1. If an app stops responding, long press the power key for hot **Reset**.



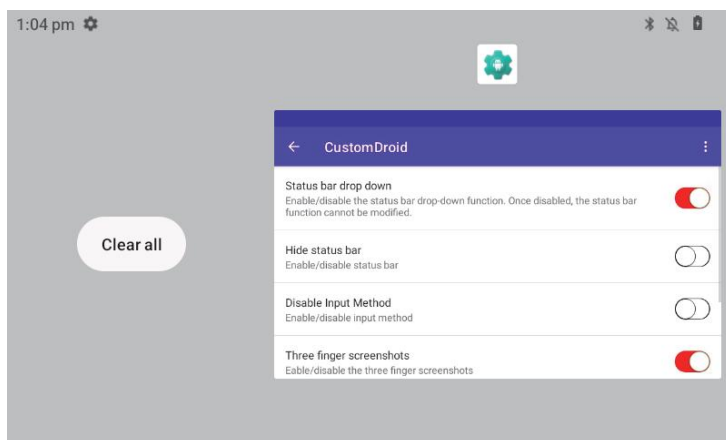
Method 2

1. Open the **Quick Access Panel**, scroll down, click , and select **Restart**.



Task Manager

1. Click the **Menu Button** and the following list will appear.



2. Slide left or right the screen to find any app accessed lately.
3. Slide up to clear apps lately accessed from the background.
4. Tap the **Clear all** to clear all the lately accessed apps from the background.
5. Tap apps to be switched to switch apps.

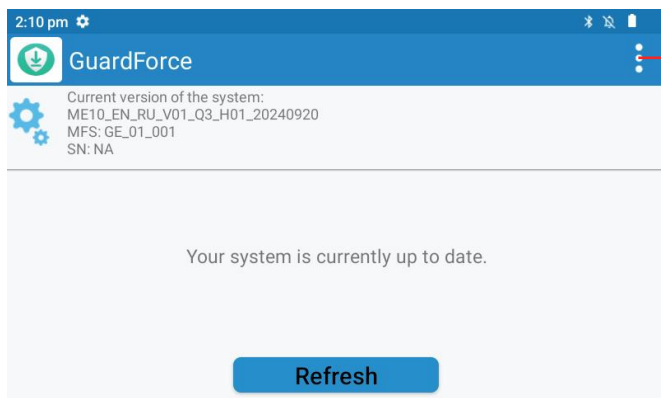
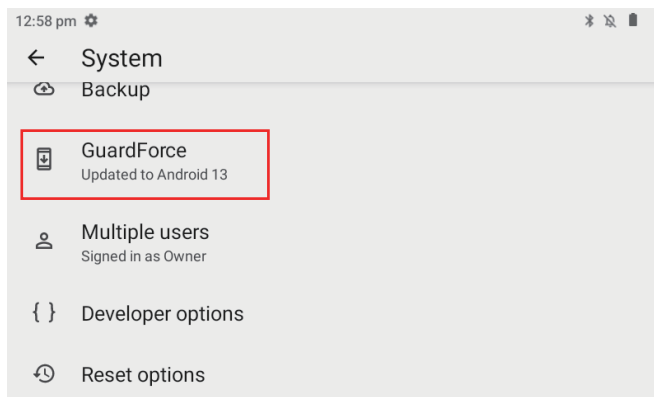
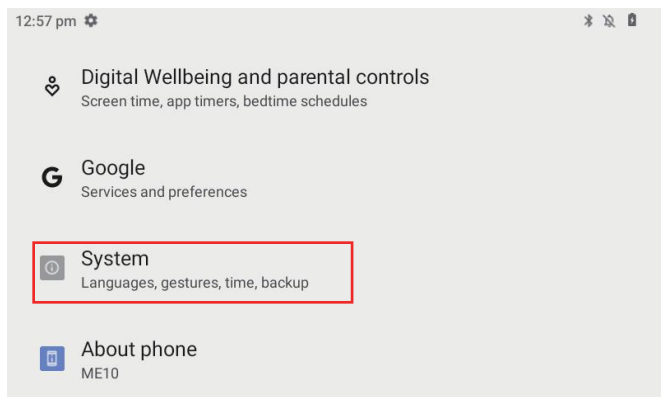
About Device

Open **Settings - About phone** to view information of this **Terminal Device**.

- **Model** - view the device's model.
- **Phone SN** - display the device's unique identifier--SN.
- **Android version** - view the device's Android version.
- **IP address** - display the device's IP address.
- **Wi-Fi MAC address** - display the device's WIFI physical address.
- **Bluetooth address** - display the device's Bluetooth address.
- **Build number** - display the device's Build number.

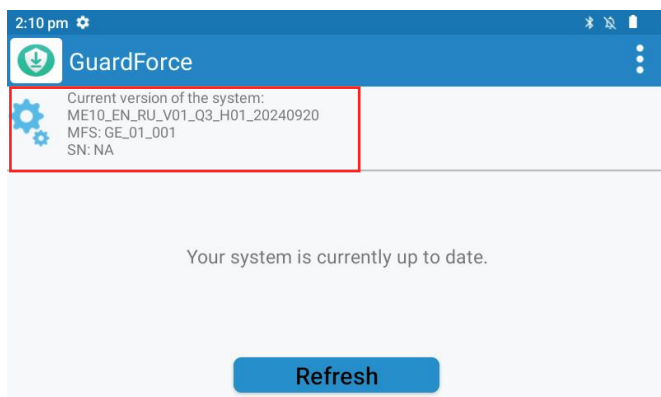
Upgrading

Local Upgrading--open **Settings - System - GuardForce** - select **Local Upgrade**.



Local Upgrade

Remote Upgrading--open **Settings - System - GuardForce**, For remote upgrading, please contact MEFERI's technical support team, And provide the device SN number and current version.



Settings

Introduction

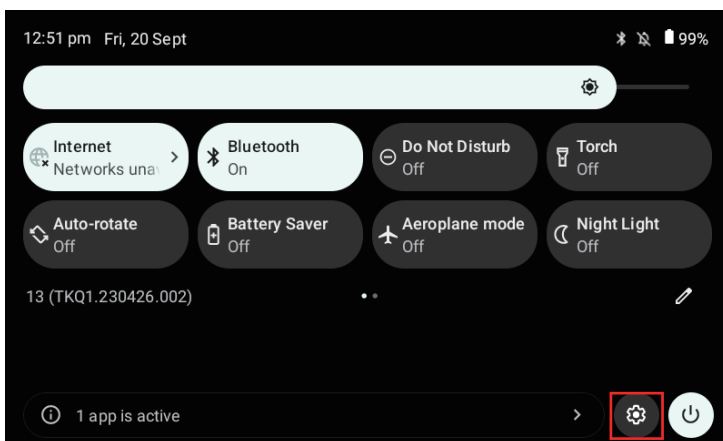
This chapter describes the settings on the device.

Accessing Settings

There are multiple ways to access settings on a device.

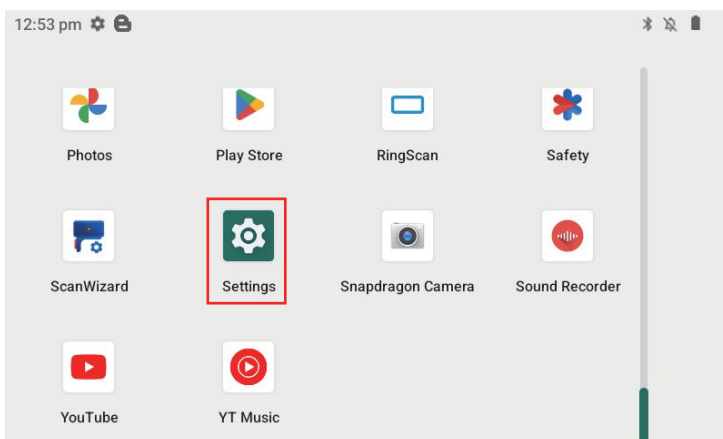
Method 1

Swipe down from the top of the Home screen to open the **Quick Access panel** and touch **Settings icon**.



Method 2

Swipe up from the bottom of the Home screen, touch **Settings APPS**.



Display Settings

Introduction

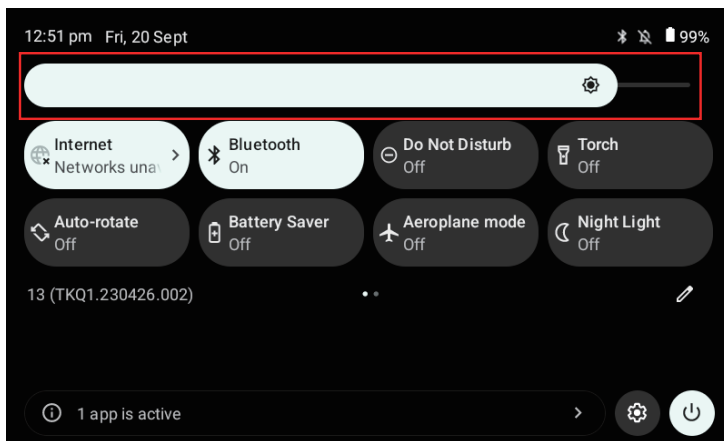
Use Display settings to change the screen brightness, enable screen rotation, set sleep time, and change font size.

Setting the Screen Brightness Manually

Manually set the screen brightness using the touchscreen.

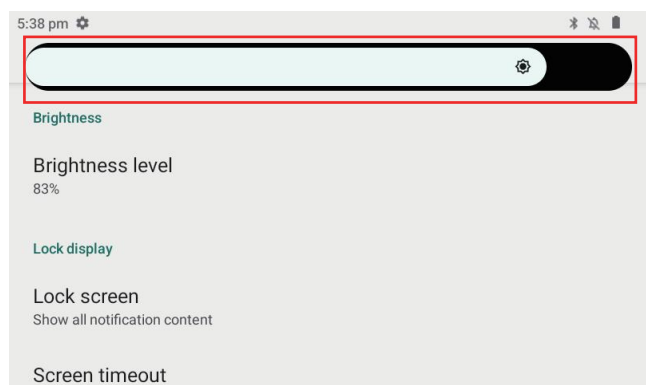
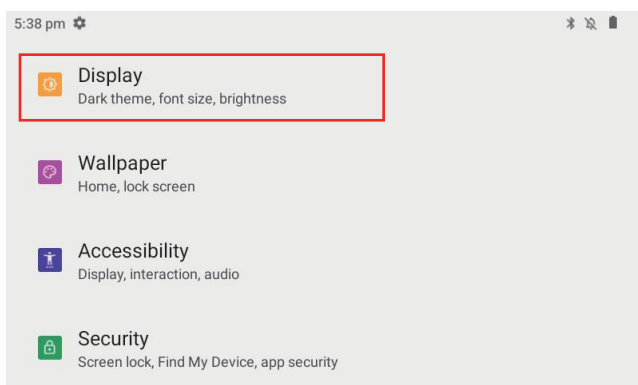
Method 1

1. Swipe down twice from the top of the **Home screen** to open the **Quick Access panel** and touch .
2. Slide the icon to adjust the screen brightness level.



Method 2

1. Swipe down from the top of the **Home screen** to open the **Quick Access panel** and touch **Settings icon** or swipe up from the bottom of the **Home screen**, touch **Settings APPS**.
2. Touch **Display**.
3. Touch **Brightness level**, slide the icon to adjust the screen brightness level.

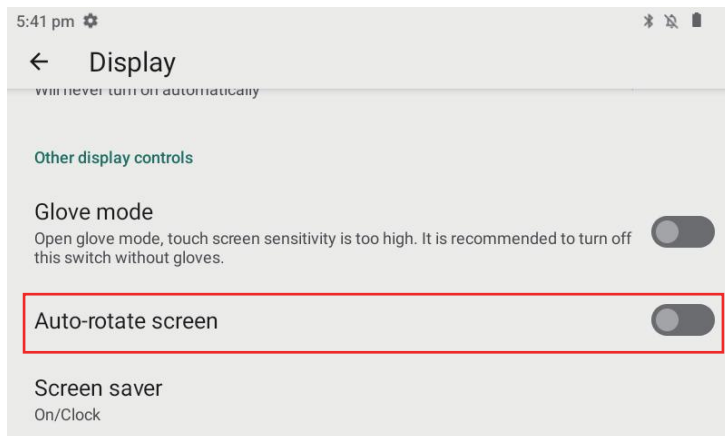


Setting Screen Rotation

By default, screen rotation is off.

NOTE: To change the Home screen rotation, see Setting Home Screen Rotation.

1. Go to **Settings**.
2. Touch **Display**.
3. Touch **Auto-rotate screen**.



Setting Screen Timeout

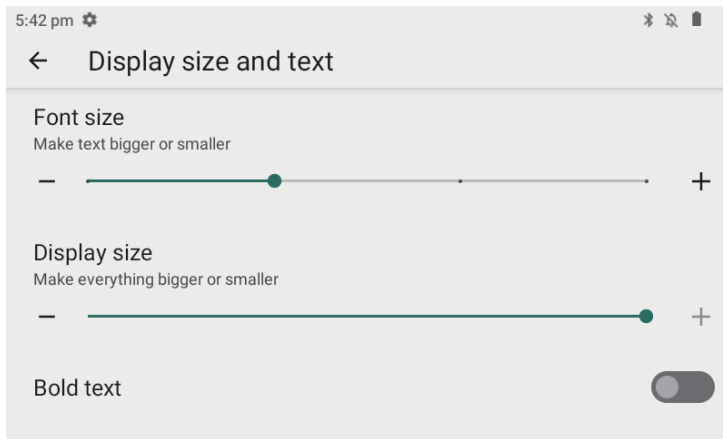
Set the screen sleep time.

1. Go to **Settings**.
2. Touch **Display**.
3. Touch **Screen timeout**, select one of the sleep values:
 - **None (default)**
 - **15 seconds**
 - **30 seconds**
 - **1 minute**
 - **2 minutes**
 - **5 minutes**
 - **10 minutes**
 - **30 minutes**

Setting Font Size

Set the size of the font in system Apps.

1. Go to **Settings**.
2. Touch **Display**.
3. Touch **Display size and text**, you can set the font size or display size

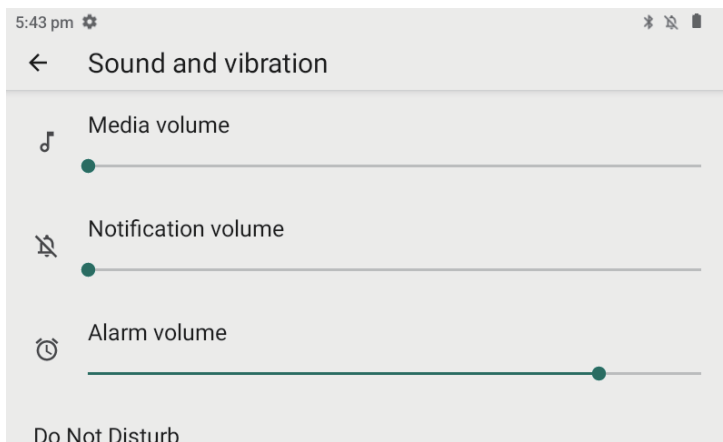


General Sound Setting

Introduction

Use the Sound settings to configure media and alarm volumes.

1. Go to **Settings**.
2. Touch **Sound & vibration**.
3. Touch an option to set sounds.



Sound Options

- **Media volume** - Controls the music, games, and media volume.
- **Call volume** - Controls the Call volume.
- **Ring & notifications volume** - Controls the notification volume.
- **Alarm volume** - Controls the alarm clock volume.
- **Do Not Disturb** - Mutes some or all sounds and vibrations.
- **Phone ringtone** - Select a sound to play when the phone rings.
- **Media** - Shows the media player in Quick Settings while sound is playing, allowing quick access.

- **Vibrations & haptics**
 - Ring vibrations
 - Vibrate first then ring gradually
 - Notifications vibrations
 - Alarm vibrations
 - Touch feedback
 - Media vibrations
- **Default notification sound** - Select a sound to play for all system notifications.
- **Default alarm sound** - Select a sound to play for alarms.
- **Touch sounds** - Play a sound when making screen selections
- **Charging sounds and vibration.**

System Settings

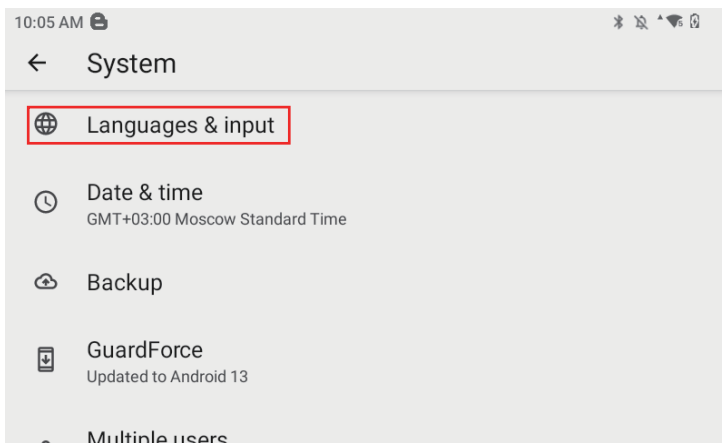
Introduction

Use System settings to change the languages, set data & time, and factory reset.

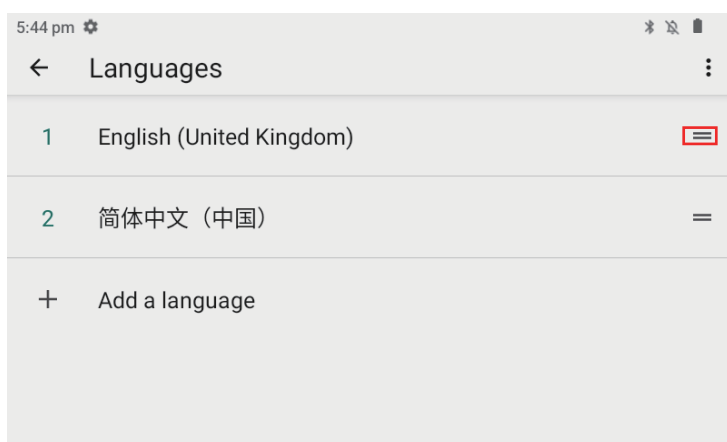
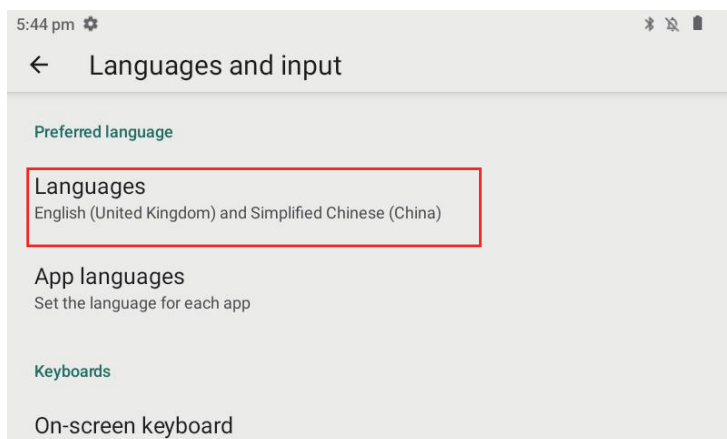
Changing the Language Setting

Use the **Language & input** settings to change the device's language.

1. Go to **Settings**.
2. Touch **System** > **Languages & input**.



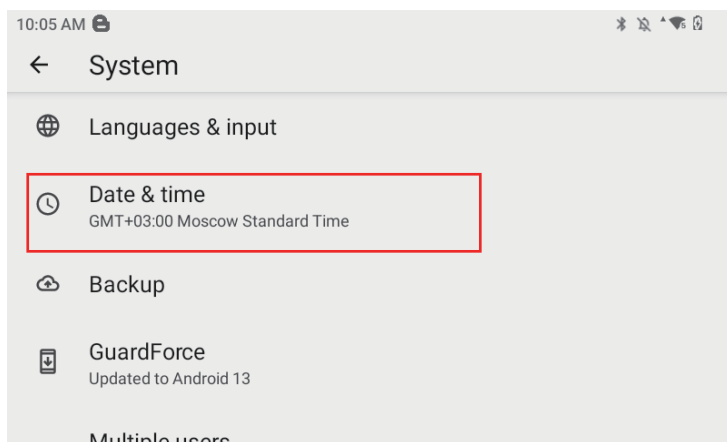
3. Touch **Languages**. A list of available languages displays.
4. If the desired language is not listed, touch Add a language and select a language from the list.
5. Touch and hold to the right of the desired language, then drag it to the top of the list.
6. The operating system text changes to the selected language.



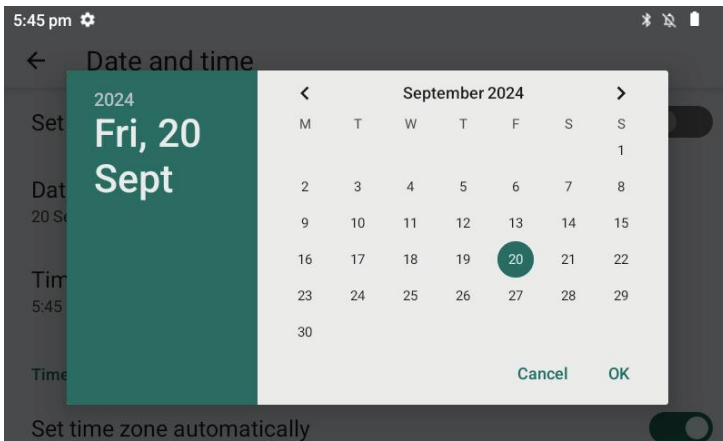
Setting the Date and Time

You are only required to set the time zone or set the date and time if the wireless LAN does not support Network Time Protocol (NTP) or when not connected to a cellular/wireless network.

1. Go to **Settings**.
2. Touch **System** > **Date & time**.



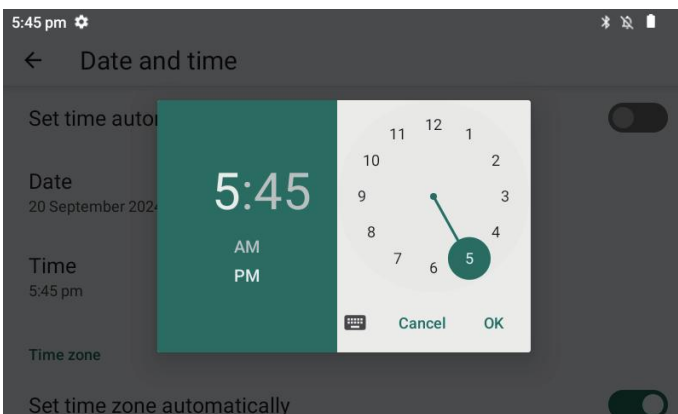
3. Touch **Date** to select the date in the calendar, touch **OK**.



4. Touch **Time**.

- a) Touch the green circle, drag to the current hour, and then release.
- b) Touch the green circle, drag to the current minute, and then release.
- c) Touch **AM** or **PM**.

5. Touch **OK**.



6. Touch **Use 24-hour format**.

Notifications

Introduction

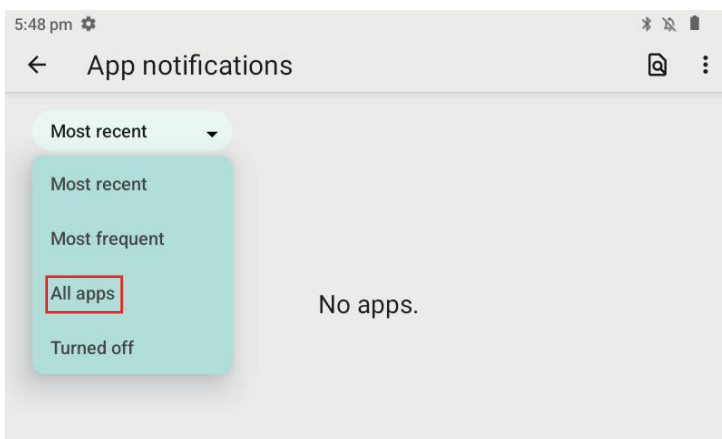
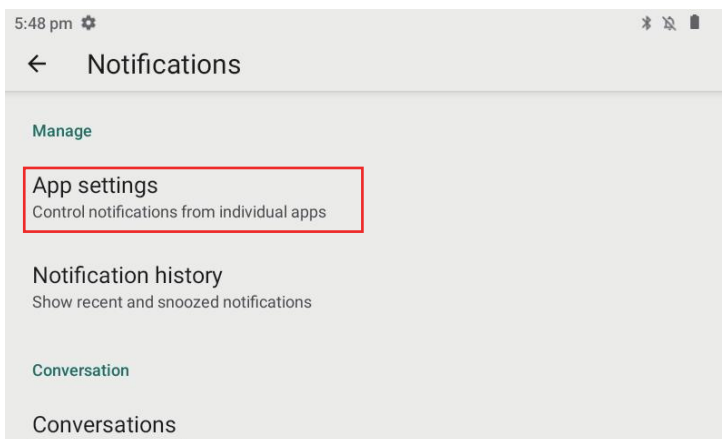
The user can configure notifications for the device and for specific apps. Device & app notifications settings allow the user to configure how notifications occur on the device. App settings allow the user to configure how notifications for a specific app occur.

1. To view Device & App notifications settings, touch **Settings** > **Notifications** > **Device & App notifications**.
2. To view app notifications, **Settings** > **Notifications** > **App settings**, and then select an App.

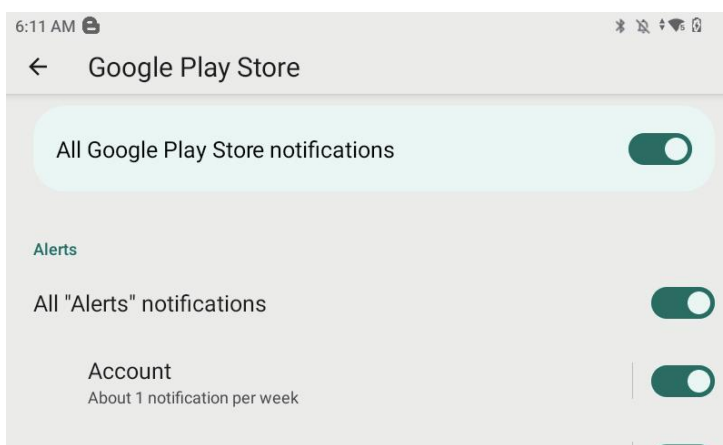
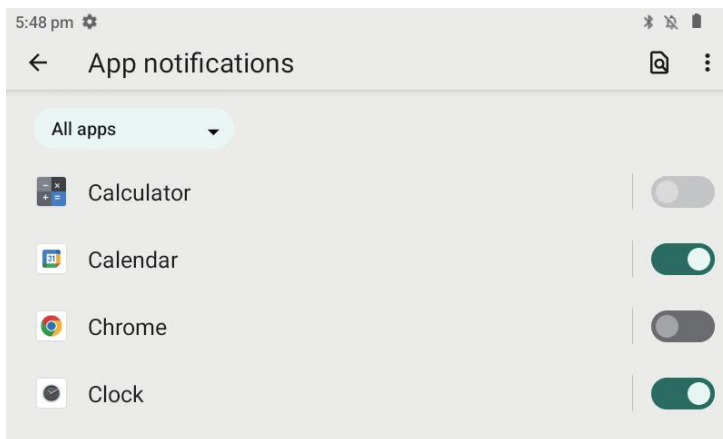
Setting App Notifications

Configure the notifications settings for a specific app.

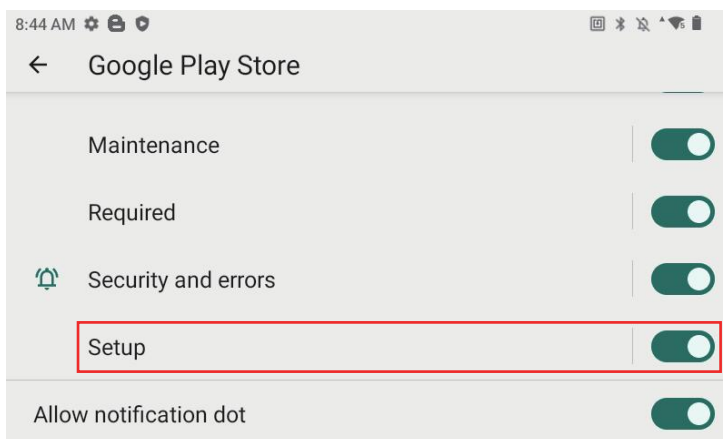
1. Go to **Settings**.
2. Touch **Notifications**.
3. Touch **App settings** > see **All apps** . The App info screen displays.



4. Select an App.
 5. Touch **Notifications**.
- Options vary depending on the app selected.

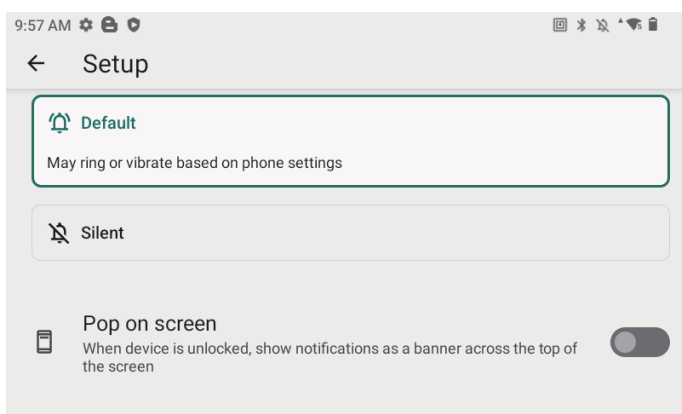
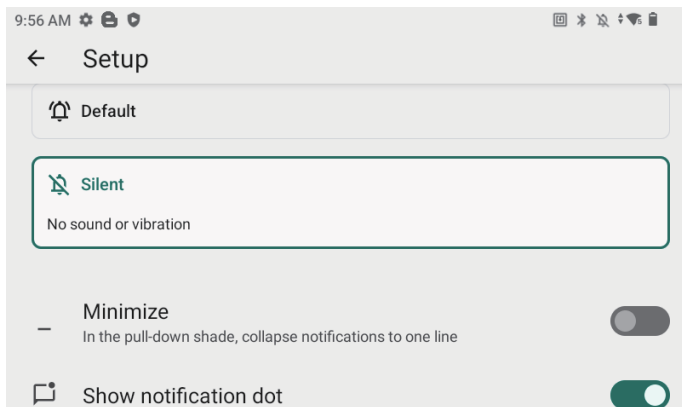


6. Select Setup: **Show notifications** - Select to turn all notifications from this app on (default) or off. Touch a notification category to display additional options.



- **Pop on screen** - Allow notifications from this app to pop notifications on the screen.
- **Sound** - Allow notifications from this app to make sound.
- **Vibrate** - Allow notifications from this app to make vibrate the device.
- **Blink light** - Allow notifications from this app the light the Notification LED.
- **Show notification dot** - Allow notifications from this app to add a notification dot to the app icon.
- **Override Do Not Disturb** - Let these notifications continue when Do Not Disturb is on.

- **Silent** - Do not allow notifications from this app to make a sound or vibration.
- **Minimize** - In the Notification panel, collapse notifications to one line.

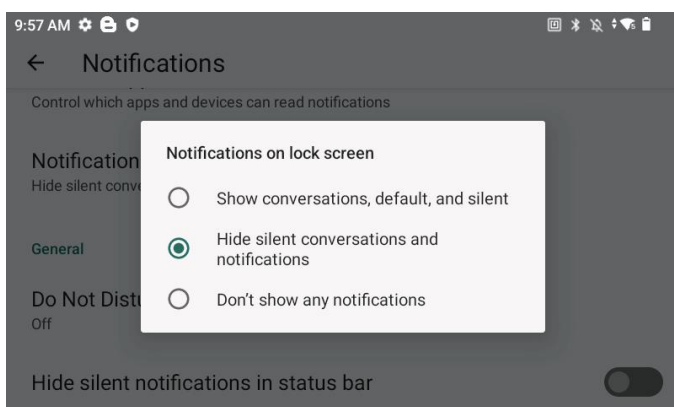


Controlling Lock Screen Notifications

Control whether notifications can be seen when the device is locked.

1. Go to **Settings**.
2. Touch **Notifications**.
3. Touch **Notifications on lock screen** and select one of the following:

- **Show conversations, default, and silent.**
- **Hide silent conversations and notifications.**
- **Don't show any notifications.**



Applications

Introduction

Apart from the standard pre-installed Android applications, the following table lists MEFERI-specific applications installed on the device.

Installed Applications

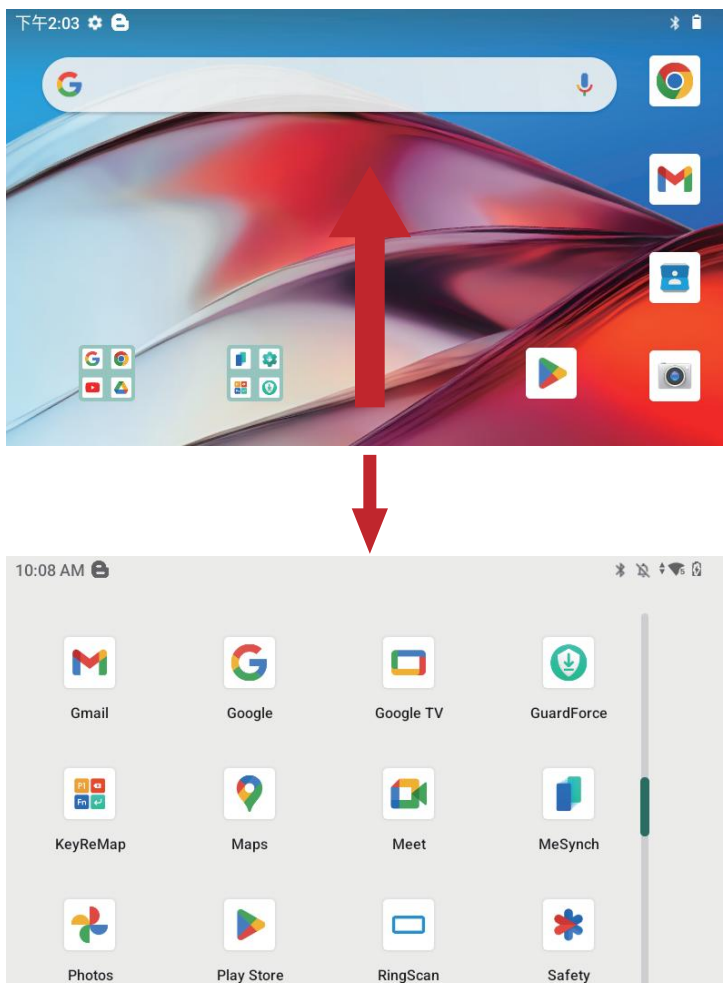
Icon	Description
	Calculator - Provide basic and scientific calculating functions.
	Calendar - View and manage calendar events.
	Camera - Take photos and record videos.
	Chrome - Access the network.
	Clock - Set the alarm and timer.
	Contacts - Manage contact information.
	Drive - Cloud Drive to store files
	Files - Organize and manage all the files in the device.
	Gmail - Receive and send e-mails.
	Google - Search engine.
	Google TV - Google smart TV
	Map- View satellite maps, public transport and driving directions.
	Meet - Videoconference.
	RingScan - Output barcode content .
	ScanWizard - Configure different scan heads, Set scan header parameters.
	Photos - View or edit photos in the device and microSD Card.
	Play Store - Download apps developed with the Android SDK and distributed by Google.
	Settings - Configure ME10.
	Sound Recorder - Record audio files.

	YouTube - Upload original content and share your videos.
	YT Music - Play audio files online or stored on your device.
	MeSynch - Enables to copy device settings to other devices with just one scan of a barcode.
	CustomDroid - Installing your custom functions for the Android OS.
	KeyReMap - creates and adjusts the keyboard to your requirements
	Safety - Safety settings (Emergency SOS, Emergency sharing, etc).
	GuardForce - Android provides regular updates with the latest security patches

Accessing Apps

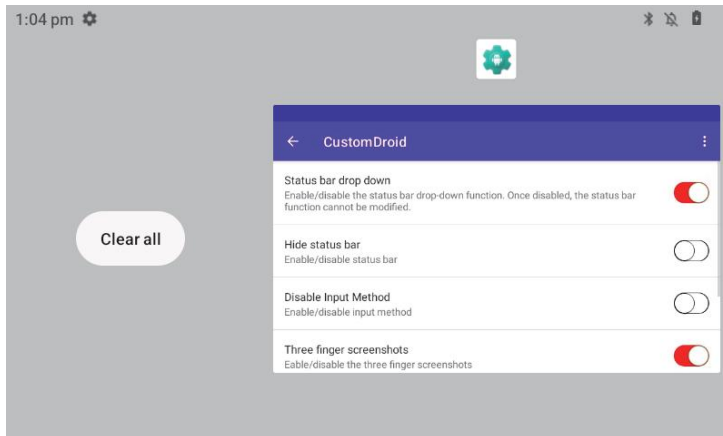
Access all apps installed on the device using the APPS window.

1. On the Home screen, swipe up from the bottom of the screen.
2. Slide the APPS window up or down to view more app icons.
3. Touch an icon to open the app.



Switching Between Recent Apps

1. Touch **Menu Button** .
2. Slide left or right the screen to find any app accessed lately.
3. Slide up to clear apps lately accessed from the background.
4. Tap the **Clear all** to clear all the lately accessed apps from the background.
5. Tap apps to be switched to switch apps.

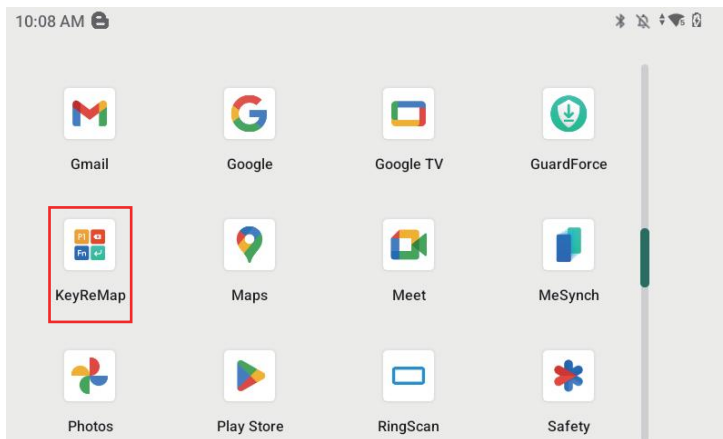


Key Mapping

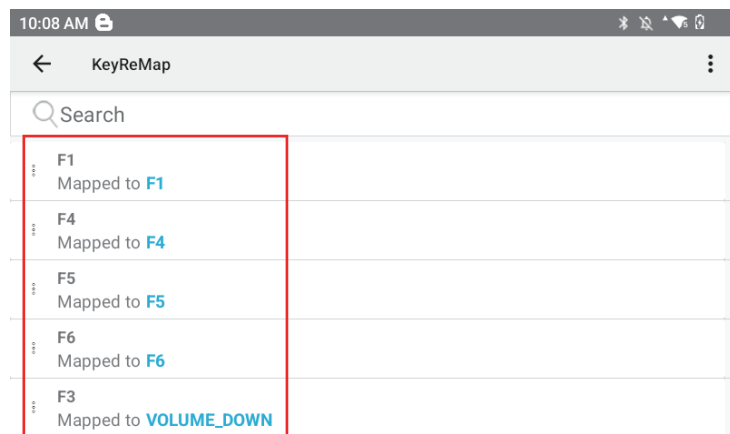
Key mapping applies to all the physical keys except the power key. Each mapped key can be granted with a new key value.

Steps for key mapping:

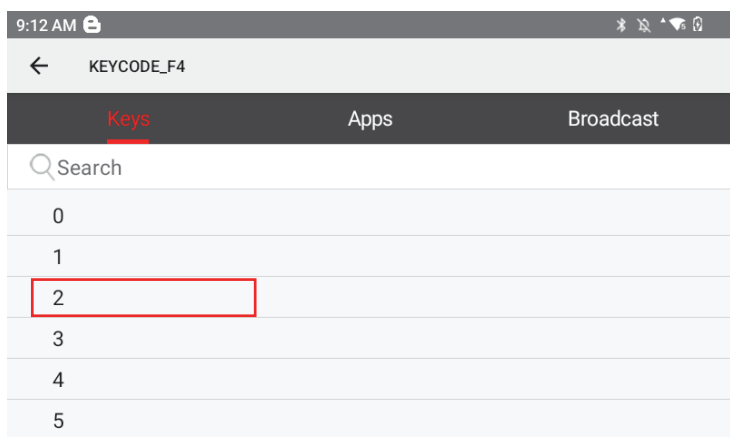
1. Open **KeyRemap**.



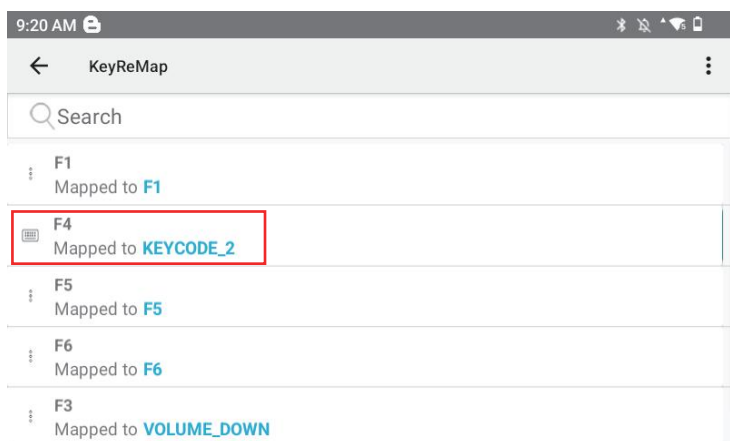
2. **Select any physical key - Replace by a new key**, press the physical key for key mapping, the key value and name will be shown.



3. For example, select the F4 key.



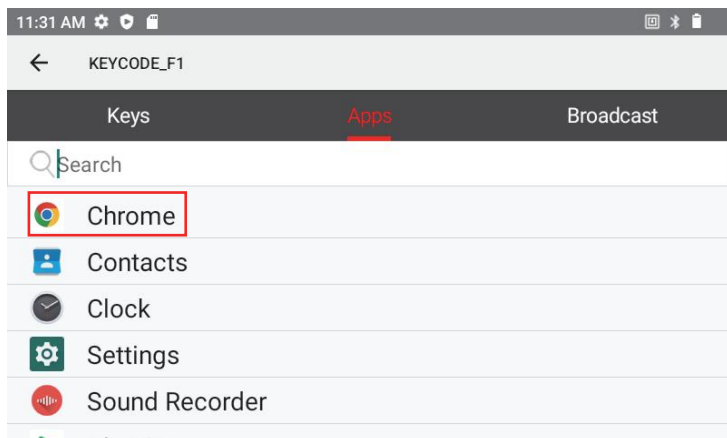
Key Mapping Function 1



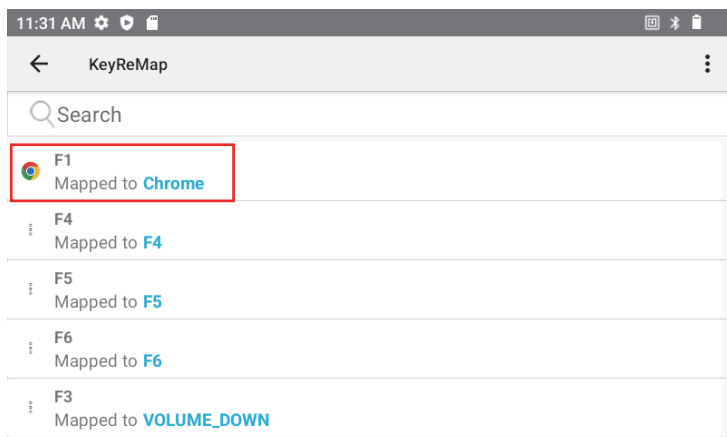
Key Mapping Function 2

4. **Select any physical key - Replace with App**, press the physical button to map the button, and select APP.

5, For example, select the F1 key.



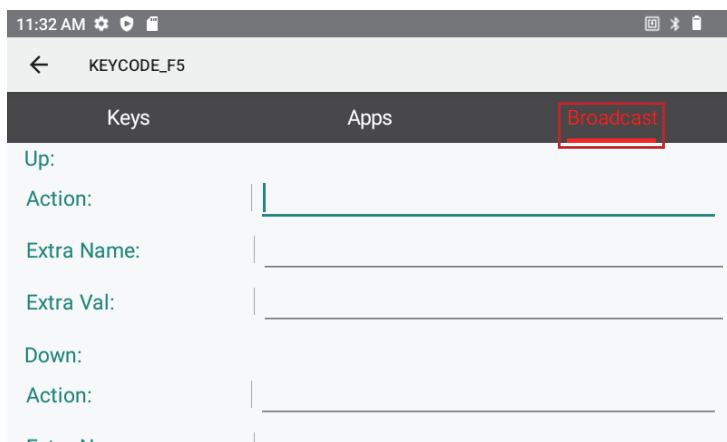
APP Mapping Function 1



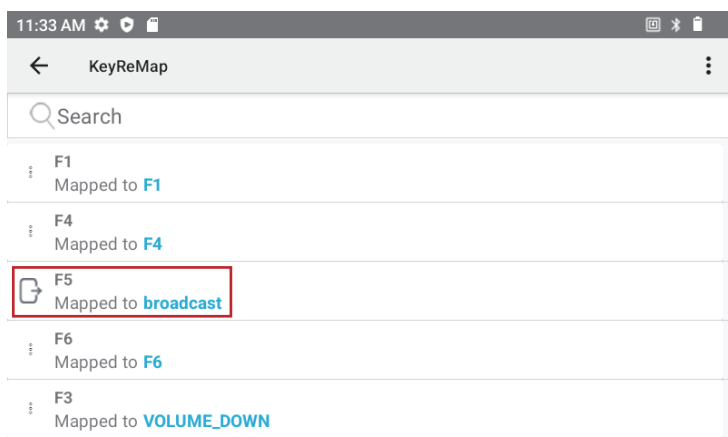
APP Mapping Function 2

6. **Select any physical key - Replace with broadcast**, press the physical button to map the button, select **Broadcast**, edit the content, and click Save.

7. For example, select the F5 key.



Broadcast Mapping Function 1

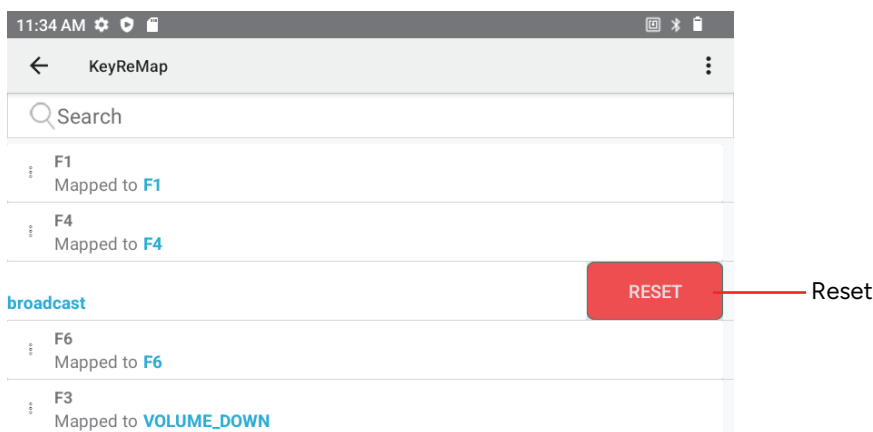


Broadcast Mapping Function 2

Manage key Mappings

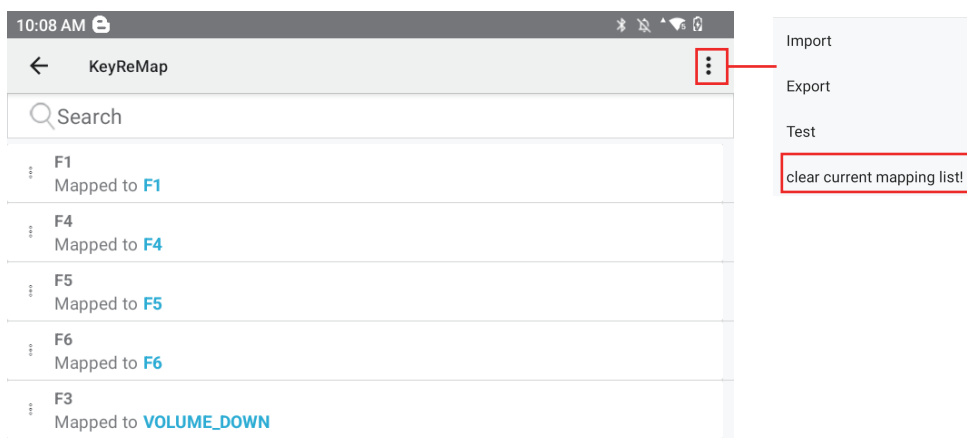
Delete key Mapping Settings

Slide a certain option in the list to the left to reset the key to the default settings and clear the key's mapping value;



Reset Mapping Key

Touch the menu key at the top right corner to clear the value of each mapped key and restore the default value of each physical key.



Data Capture

Introduction

The device supports data capture using:

- MS300R Ring Scanner (MS300R is ordered separately).

Scan engine

The device can be used with the MS300R imagers.

The imagers have the following features:

- Omnidirectional reading of a variety of barcode symbologies, including the most popular linear, postal, PDF417, Digimarc, and 2D matrix code types.
- By scanning techniques, 2D scan engine takes a photo for a bar code, saves the generated image in memory, and executes a top software decoding algorithm to extract bar code data from the image.

Scanning precautions

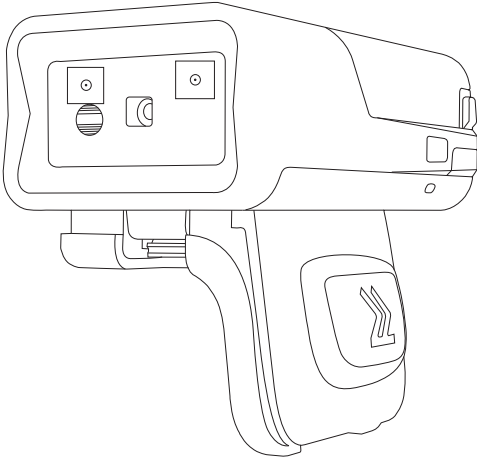
- **Range** - Scanners decode optimally over a particular working range — minimum and maximum distances from the barcode. This range varies according to barcode density and scanning device optics. Scan within range for quick and constant decodes; scanning too close or too far away prevents decodes. Move the scanner closer and further away to find the right working range for the barcodes being scanned.
- **Angle** - Scanning angle is important for quick decodes. When the illumination/flash reflects directly back into the imager, the specular reflection can blind/saturate the imager. To avoid this, scan the barcode so that the beam does not bounce directly back. Do not scan at too sharp an angle; the scanner needs to collect scattered reflections from the scan to make a successful decode. Practice quickly shows what tolerances to work within.
- Hold the device farther away for larger symbols.
- Move the device closer for symbols with bars that are close together.

NOTE: Scanning procedures depend on the app and device configuration. An app may use different scanning procedures from the one listed above.

Scanning with the MS300R Ring Scanner (MS300R is ordered separately)

Use the MS300R Ring Scanner to capture barcode data.

MS300R Ring Scanner.



Refer to the MS300R Ring Scanner Specification Sheets for more information.

NOTE: To read a barcode, a scan-enabled app is required. The device contains the **ScanWizard App** that allows the user to enable the scanner to decode barcode data and display the barcode content.

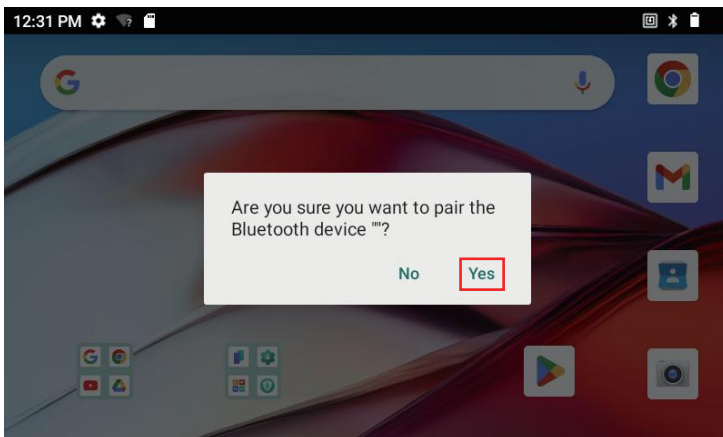
To Scan with the MS300R (MS300R is ordered separately):

Pair the MS300R with the device.

HID Mode

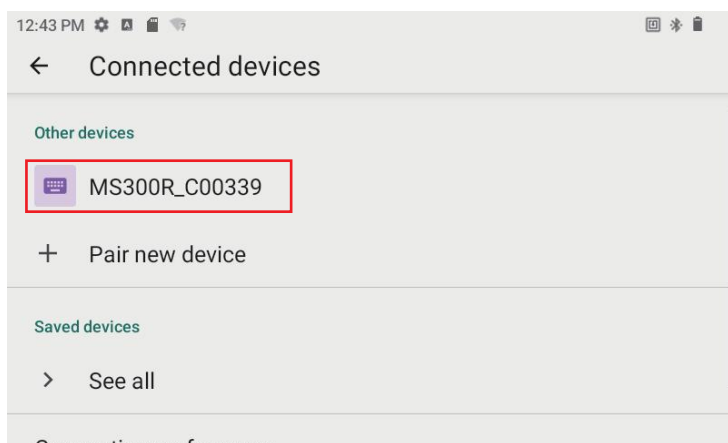
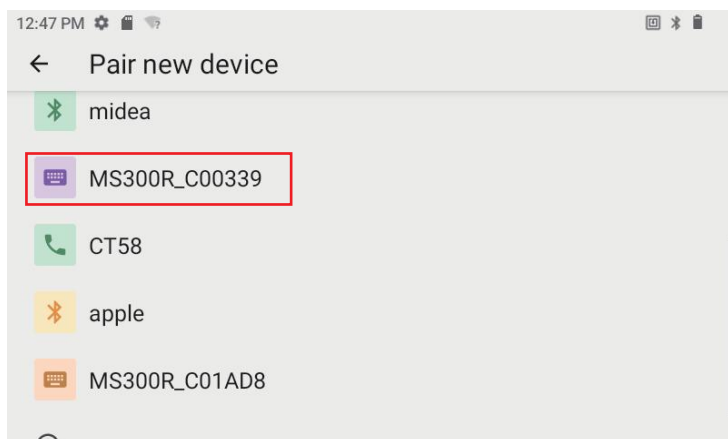
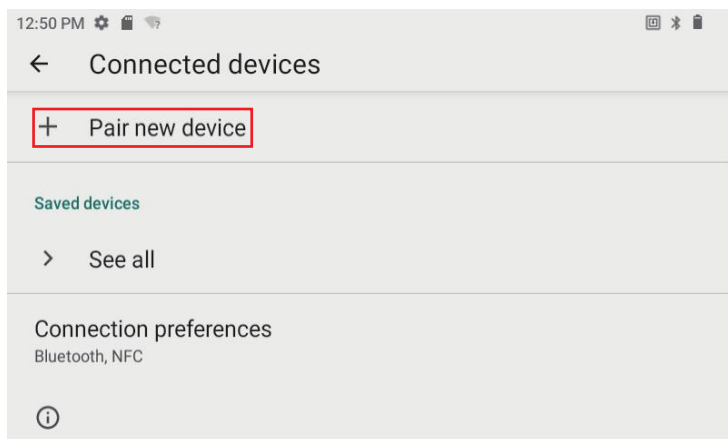
1. Connect Via NFC

- Press and hold the ring scanner button to turn on the device. The ring will beep three times and the green indicator light will light up, indicating successful startup.
- Turn on the device NFC and place the **MS300R Ring Scanner** NFC logo close to the back of the device to connect.
- Click **Yes** on the device pop-up interface. The MS300R blue light will light up for 3S and the buzzer will sound 3 times, indicating a successful connection.



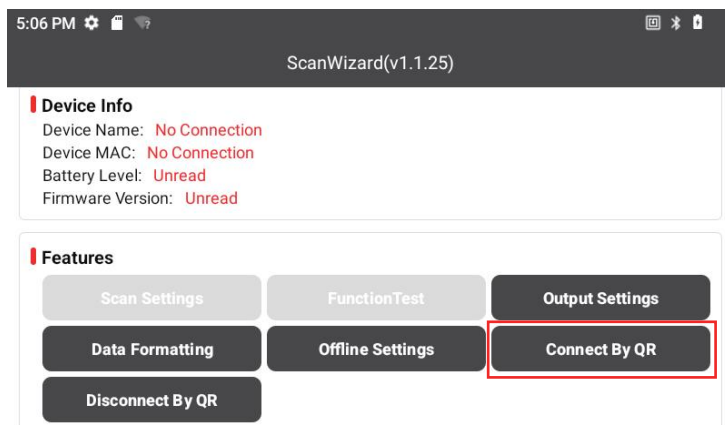
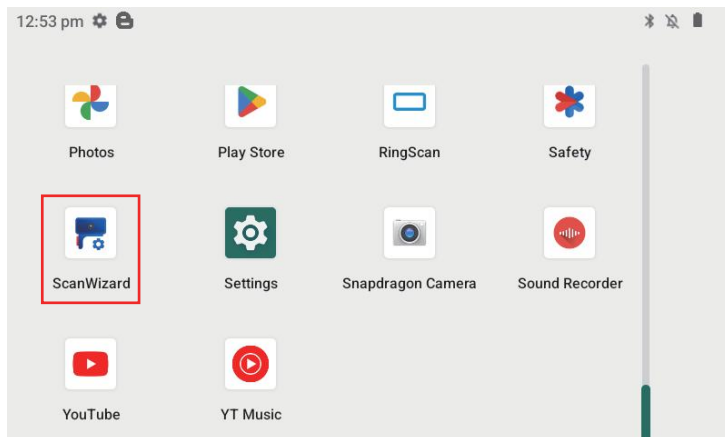
2. Connect Via Bluetooth

- Long press the ring scanning button to turn on the device. The ring will beep three times and the green indicator light will light up, indicating successful startup.
- Turn on the device Bluetooth and click **Pair new device**.
- Select the corresponding **MS300R Bluetooth address** to connect. The MS300R blue light will light up for 3S and the buzzer will sound 3 times, indicating a successful connection.

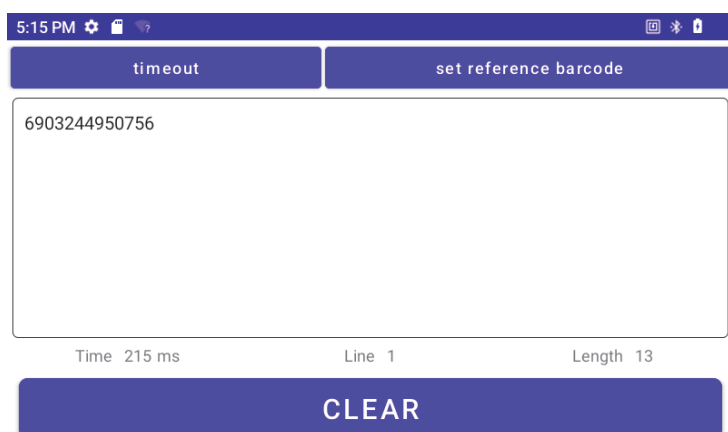
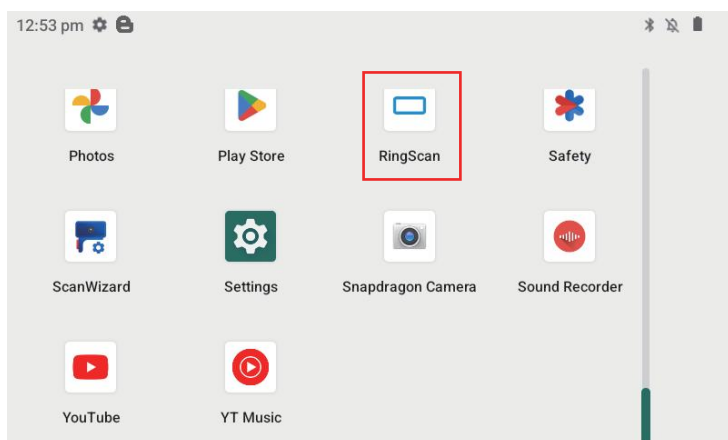


3. Scan QR Code to Connect

- Open ScanWizard App.
- Click **Connect By QR**.
- Use MS300R to scan the QR code. The blue light of MS300R will light up for 3 seconds and the buzzer will sound 3 times, indicating that the connection is successful.



After the HID mode is successfully connected, you can simulate keyboard input and open the RingScan App to enter the scan result into the RingScan input box.

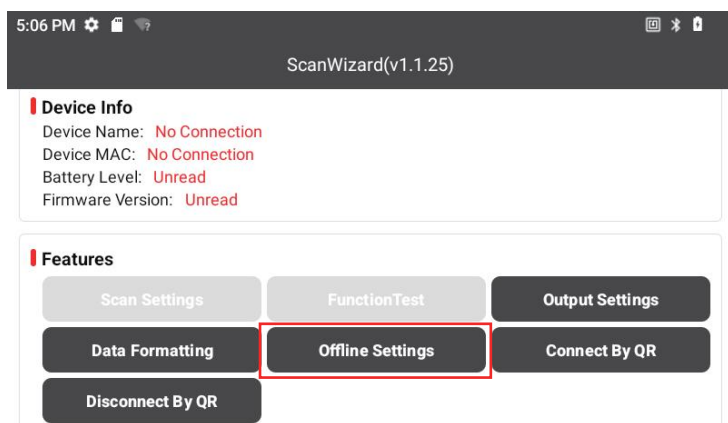


BLE Mode

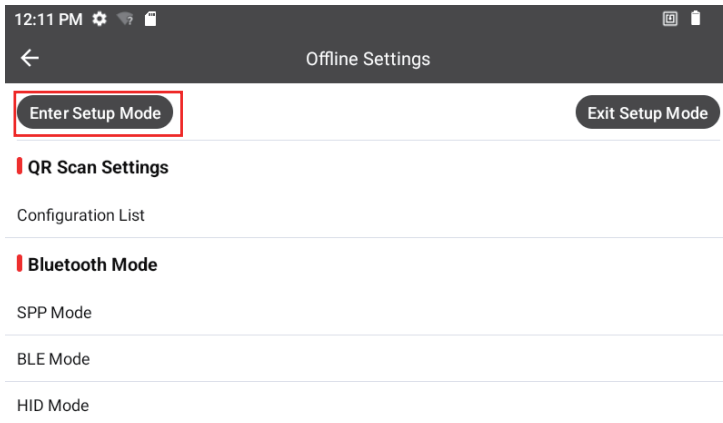
You can only connect manually in the **ScanWizard App**, not by scanning the code.

1. Manually Connect in ScanWizard App

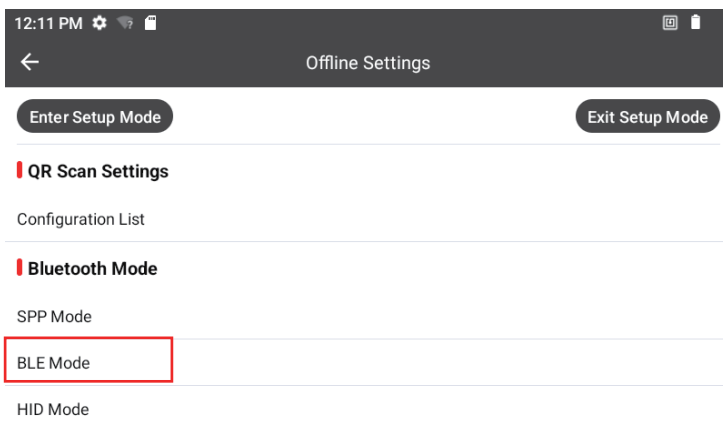
- Open **ScanWizard App**, click **Offline Settings**.

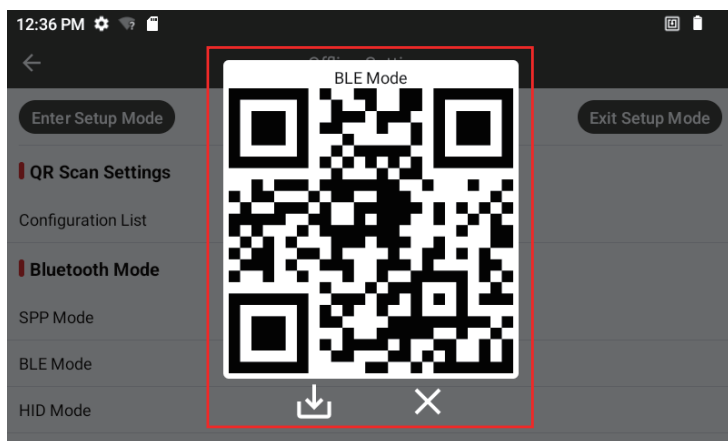


- Click **Enter Setup Mode**, and scan the QR code with MS300R.

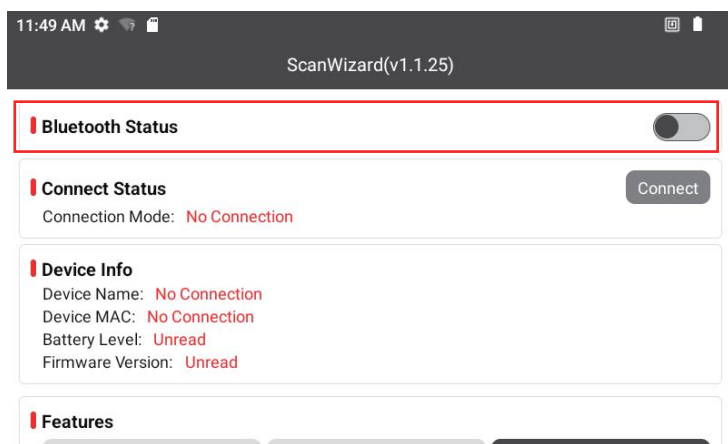


- Select **BLE Mode**, and scan the QR code with MS300R.

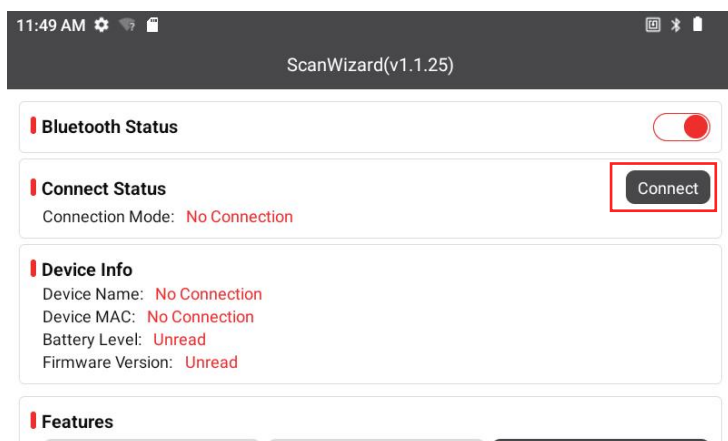


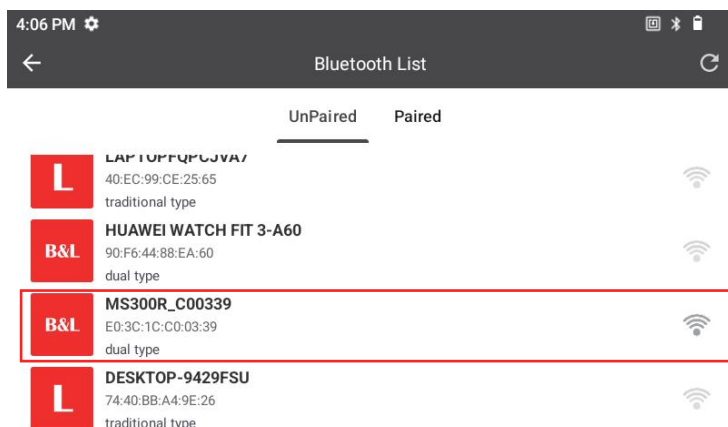


- Click **Bluetooth Status** to turn on bluetooth.

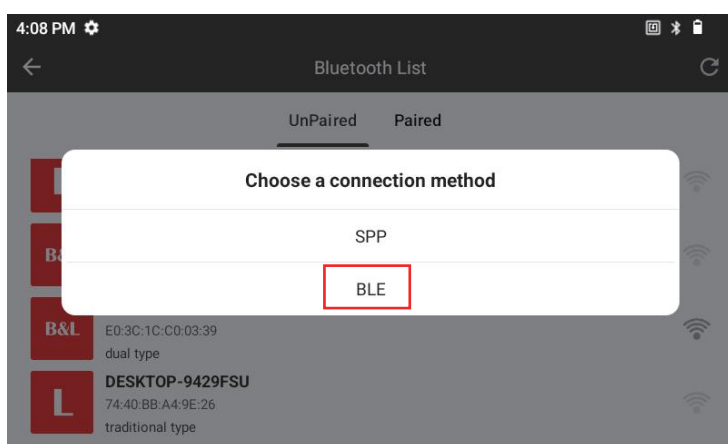


- Click **Connect Status**, select the bluetooth name corresponding to MS300R.

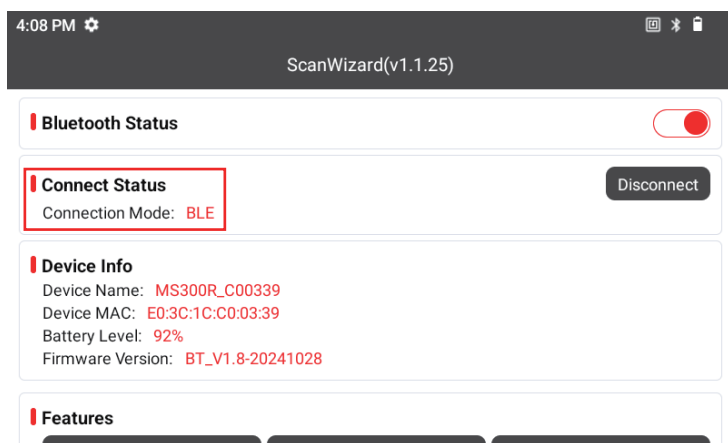




- Select BLE mode to connect.



- MS300R blue light on for 3S indicates successful connection.

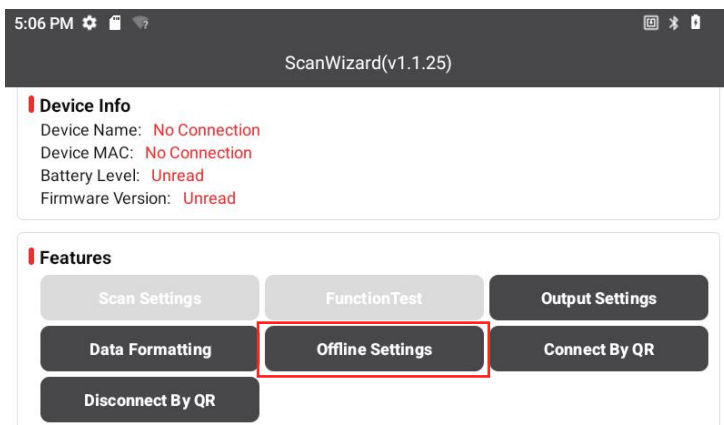


SPP Mode

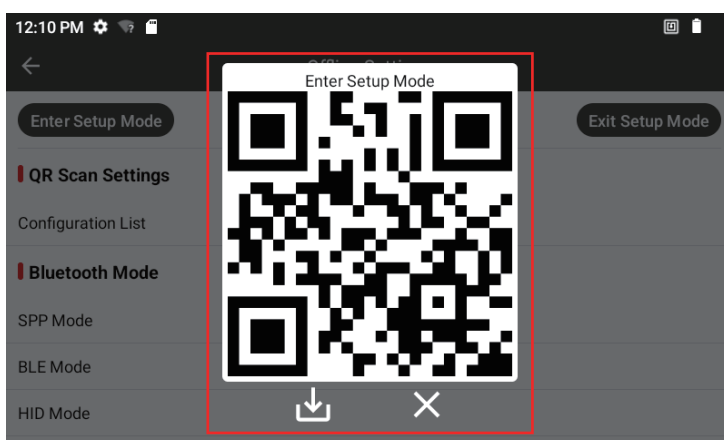
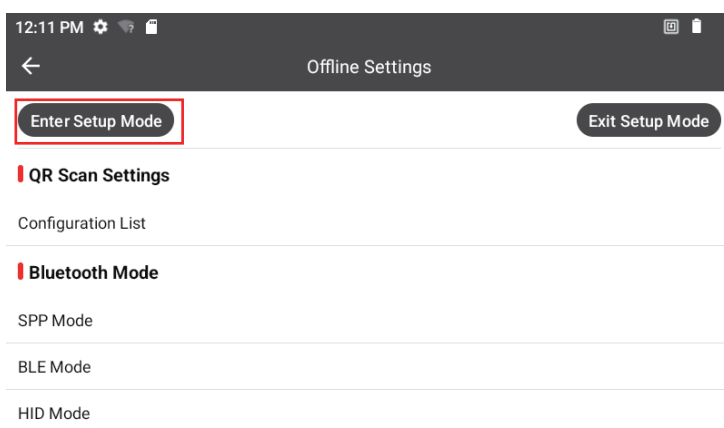
Can only be connected in **ScanWizard App**, including scanning code connection and manual connection.

1. Manually Connect in ScanWizard App

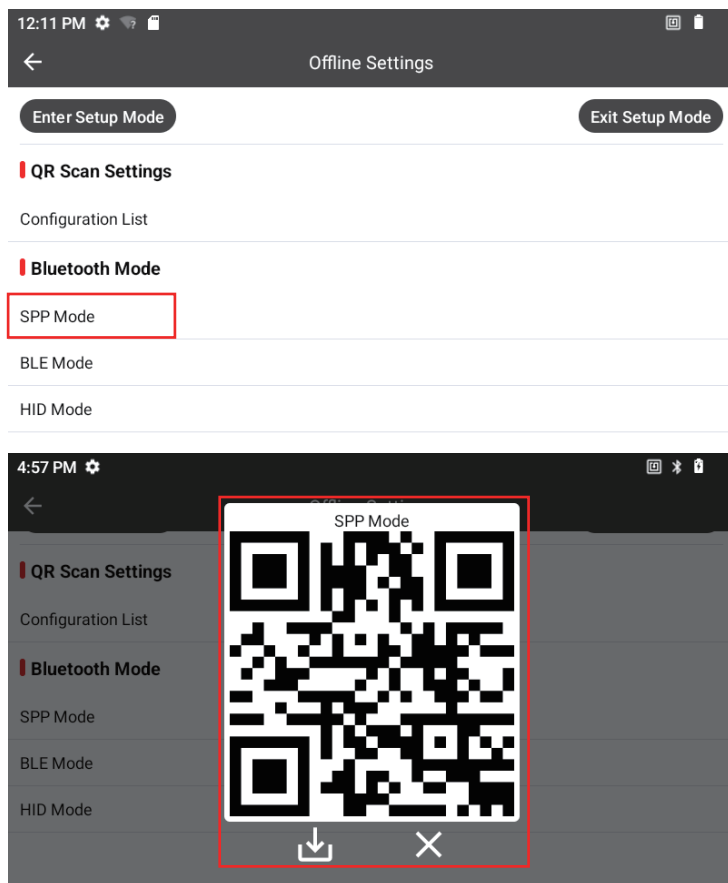
- Open **ScanWizard App**, click **Offline Settings**.



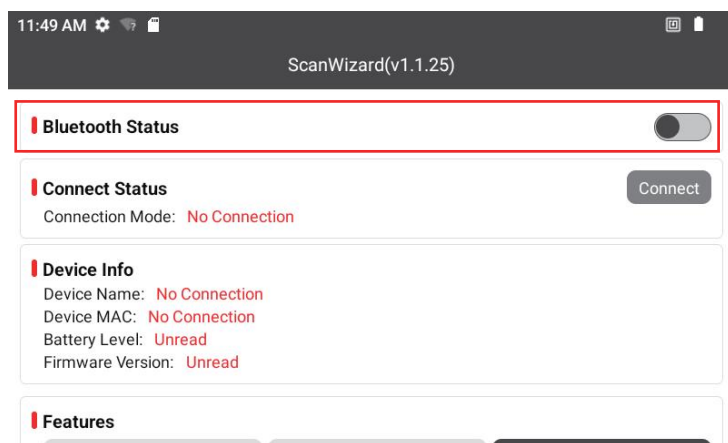
- Click **Enter Setup Mode**, and scan the QR code with MS300R.



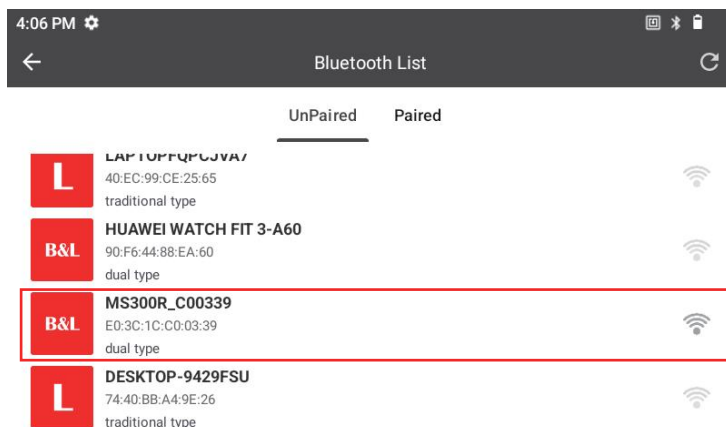
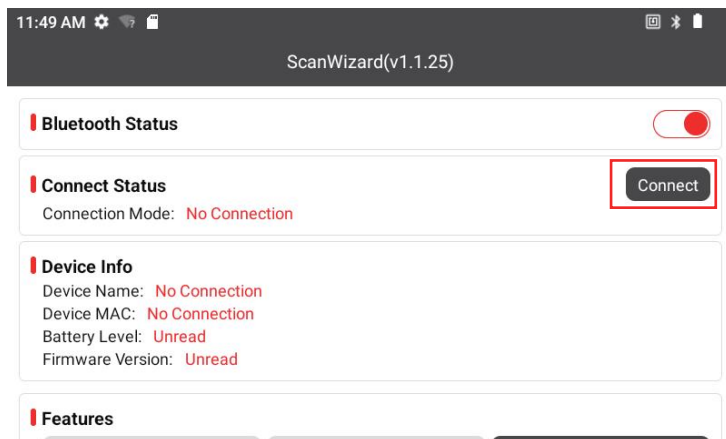
- Select **SPP Mode**, and scan the QR code with MS300R.



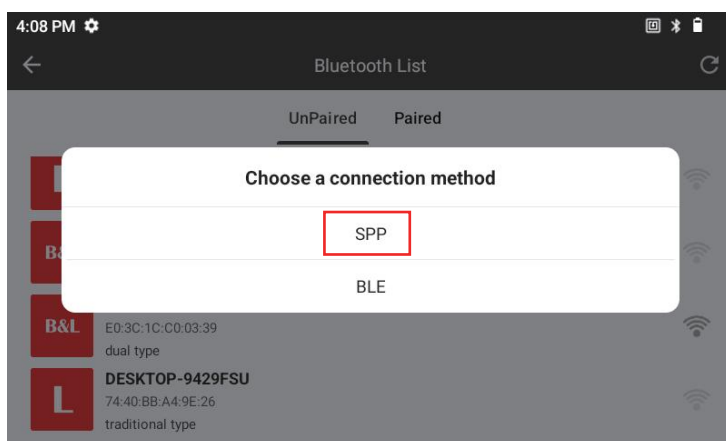
- Click **Bluetooth Status** to turn on bluetooth.



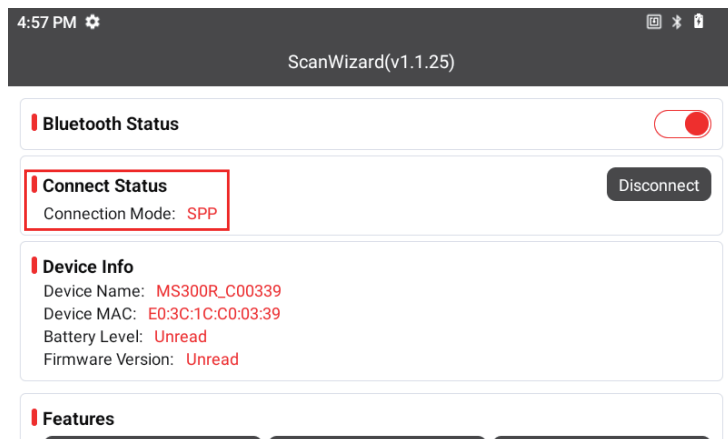
- Click **Connect Status**, select the bluetooth name corresponding to MS300R.



- Select **SPP** mode to connect.

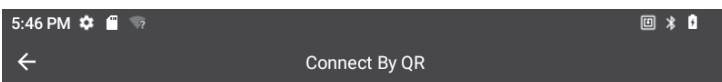
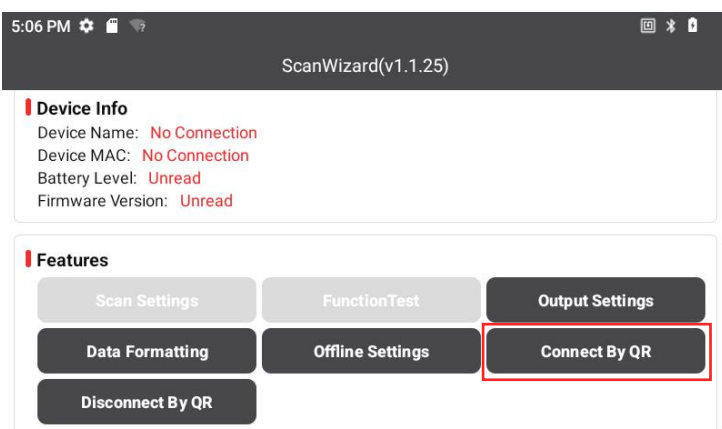


- MS300R blue light on for 3S indicates successful connection.

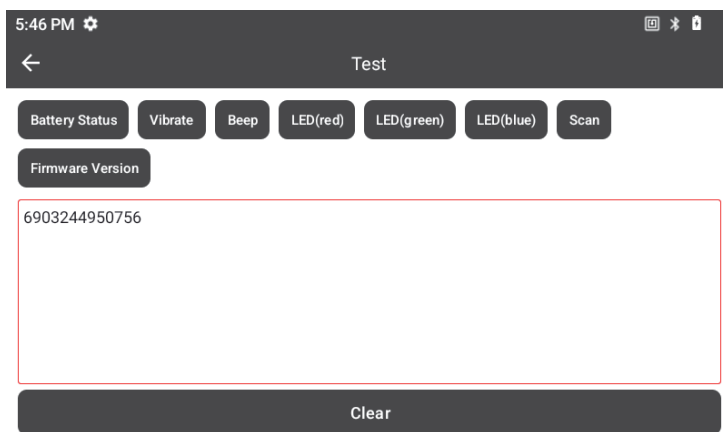
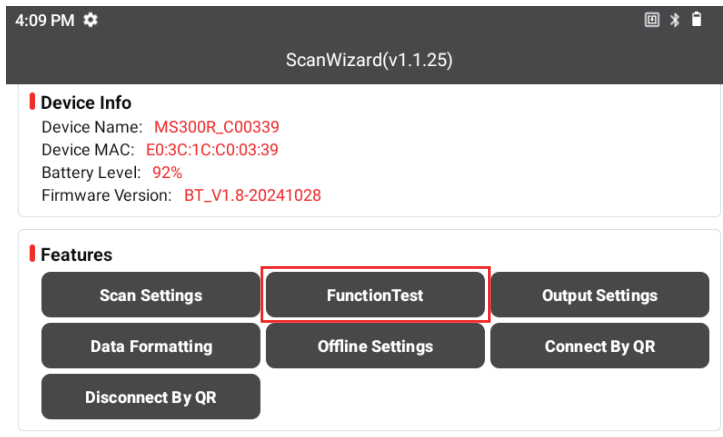


2. Scan QR Code to Connect

- Open ScanWizard App.
- Click **Connect By QR**.
- Use MS300R to scan the QR code. The blue light of MS300R will light up for 3 seconds and the buzzer will sound 3 times, indicating that the connection is successful.



After the BLE and SPP modes are successfully connected, you can simulate keyboard input, click FunctionTest, and enter the scan results into the FunctionTest input box.

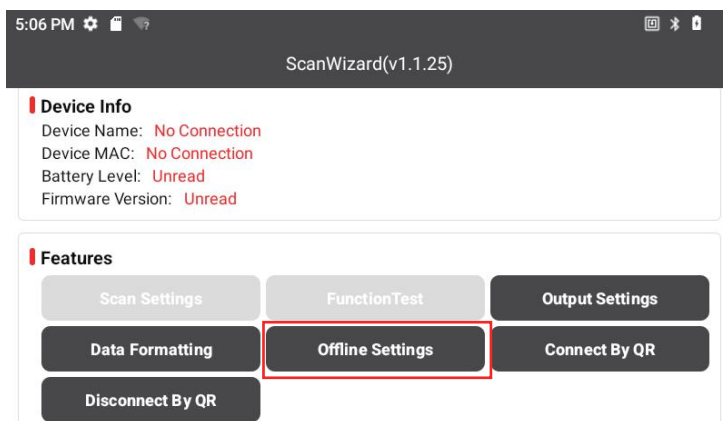


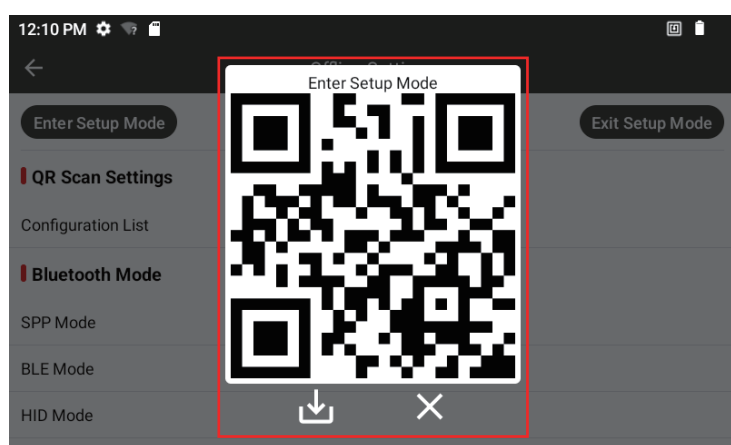
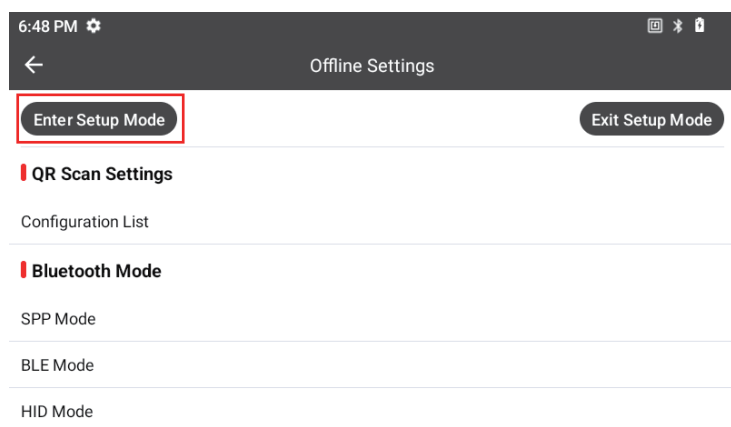
Scan Settings

1. **Offline Settings:** you can set it when connected to **HID**, **BLE**, and **SPP** modes
2. **Scan Settings:** you can set it only when connected to **BLE** and **SPP** modes.

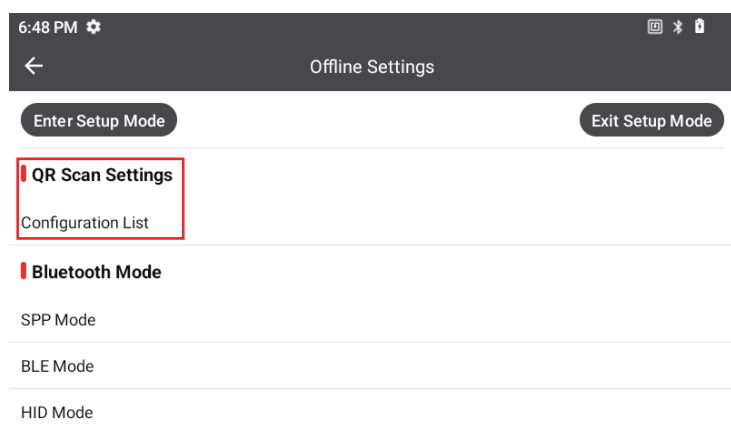
Method 1-Offline Settings (HID modes)

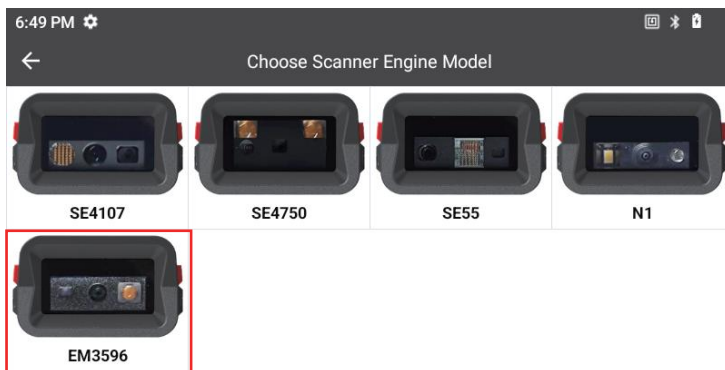
- Select **Offline Settings**, click **Enter Setup Mode**, and use MS300R to scan the QR code to enter setup mode.



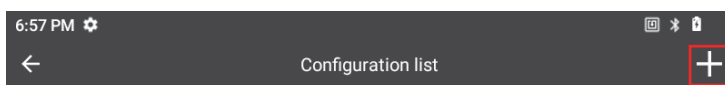


- Select **QR Scan Settings**, check the scan engine and select the same scan engine as the MS300R (for example EM3596).

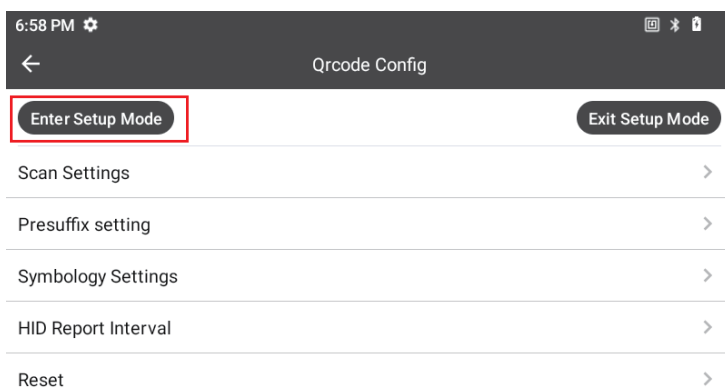
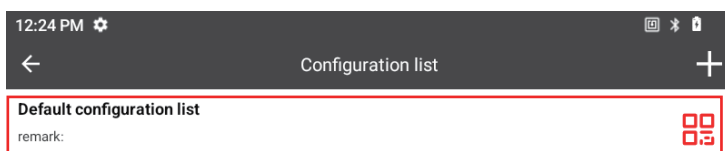


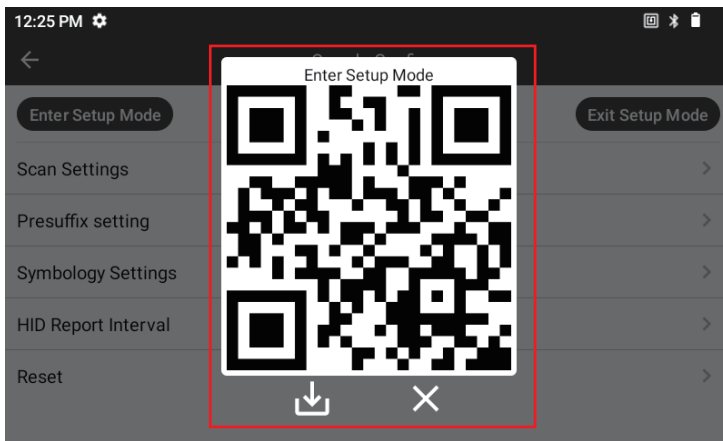


- Click + in the upper right corner to add a configuration list.

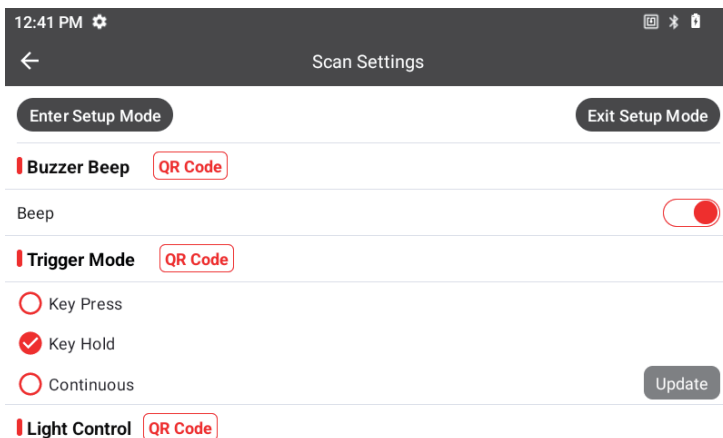


- Enter the **Default configuration list**, click **Enter Setup Mode**, and scan the QR code with MS300R.





- Select the function to be set, and scan the QR code with MS300R to set it.
- You can set multiple functions continuously.

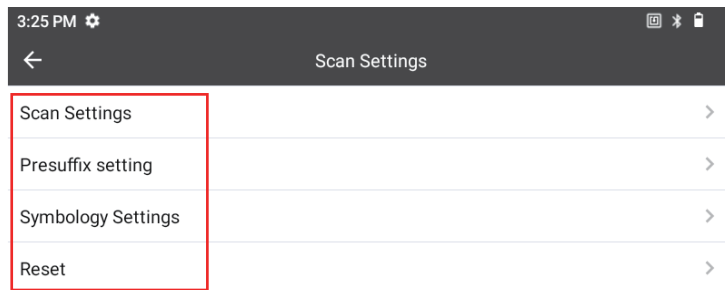
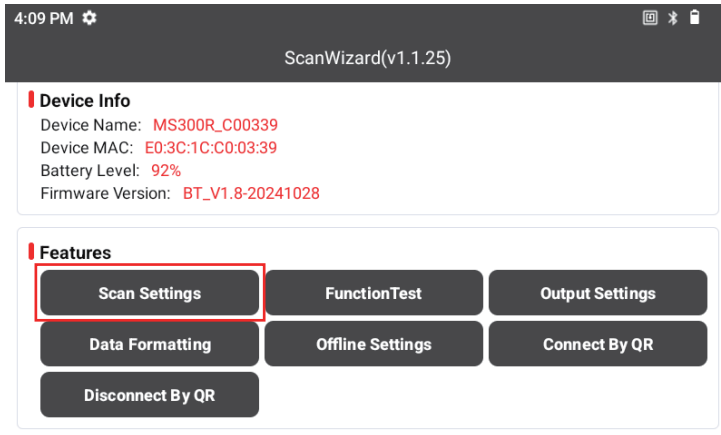


- Finally, click to **Exit Setup Mode** and scan the QR code with MS300R.



Method 2-Scan Settings (SPP modes)

- Click **Scan Settings** and select the function to be set.



Scan Settings Instructions

- Buzzer Beep:** can turn on or off MS300R scanning Beep.
- Trigger Mode:**
 - Key Press:** Pressing the scan key will emit a laser segment or fill light. The light will not go out until decoding or scanning timeout
 - Key hold:** Pressing the scan key will emit a laser segment or fill light. Release the key to turn off the light. After successful decoding, the scanning light will also go out
 - Continuous:** The scanning is in continuous mode. After successful decoding, the scanning laser or fill light will not go out. Decoding can be continued. Short press the scan again to stop (set the continuous scanning mode interval: if the input value is 3, it will scan once every three seconds)
- Light Control:** can control the opening of Illumination and aiming.
- Decode Mode:** you can turn picklist mode on or off (after picklist mode is turned on, the center of the aiming light must be aligned with the barcode to read the code).
- Sleep Settings:** After turning on the sleep mode, if the ring is not used for more than the delay time, the ring will automatically enter the sleep mode (a low-power mode that can reduce power consumption).
- Auto Power-Off:** You can set the time for automatic shutdown. For example, if the delay time is 10 minutes, the ring will automatically shut down if it is not used for more than 10 minutes.

7. Bluetooth Automatic Reconnection: You can set whether the ring scanner can automatically reconnect after restarting or restarting the device. If the switch is turned on, in HID mode, restart the ring scanner and the ring scanner will automatically reconnect to the device.

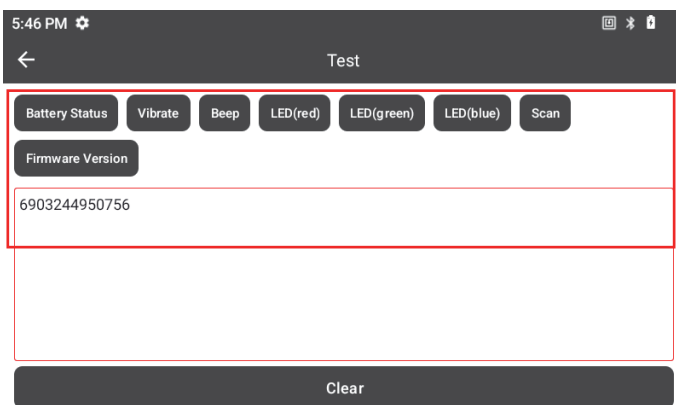
8. Presuffix Settings: Add prefix and suffix to the scan result.

9. Symbology Settings: Modify the parameters of the code system type in the list.

10. Reset: Restore the factory settings of the ring scanner.

Functional Test

You can check the battery status of the ring scanner, test whether it can vibrate and beep normally, and output the scanning results to perform functional tests on the ring.

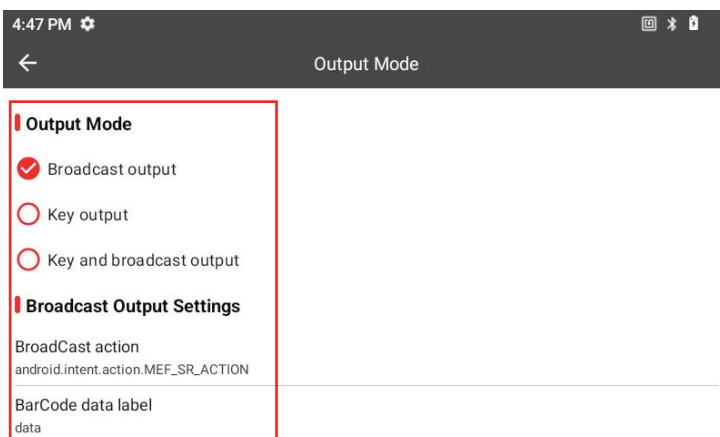


Output Settings

1. Broadcast output: You can set the broadcast sent by the corresponding program to receive data with specified broadcast tags and actions. When the program's broadcast tags and actions (tags and actions are editable) match this, the scanned data will be directly received by the Broadcast Receiver, and the intent class transmits the value, which can be output separately or directly processed in the background.

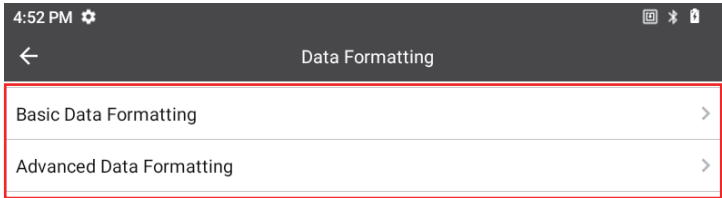
2. Key output: The scan results are output to the edit box with the input cursor of the foreground application in keyboard mode.

3. Key and broadcast output: Combines broadcast output and keyboard output.



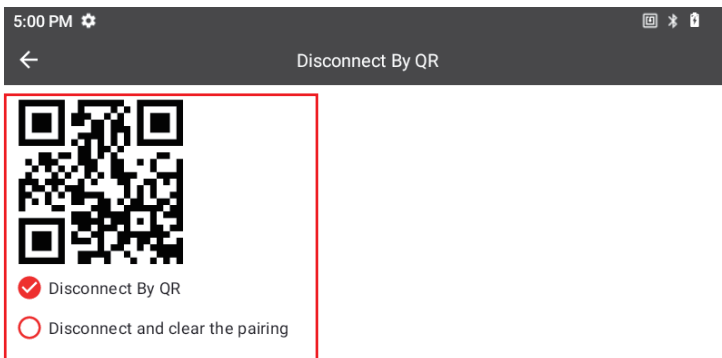
Data Formatting

1. **Basic Data Formatting:** set prefix and suffix, formatting, remove non-printing characters, append enter key.
2. **Advanced Data Formatting:** set different operation types, such as: replace, truncate, remove spaces, remove characters.



Disconnect By QR

1. **Disconnect By QR.**
2. **Disconnect and clear the pairing.**



Wireless

This chapter provides information on the wireless features of the device.

The following wireless features are available on the device:

- Wireless Local Area Network (WLAN)
- Bluetooth
- NFC

Wireless Local Area Networks (WLAN)

Wireless local area networks (WLANs) allow the device to communicate wirelessly inside a building. Before using the device on a WLAN, the facility must be set up with the required hardware to run the WLAN (sometimes known as infrastructure).

The infrastructure and the device must both be properly configured to enable this communication.

Once the infrastructure is set up to enforce the chosen WLAN security scheme, use the **Network & internet** on settings, and configure the device to match the security scheme.

The device supports the following WLAN security options:

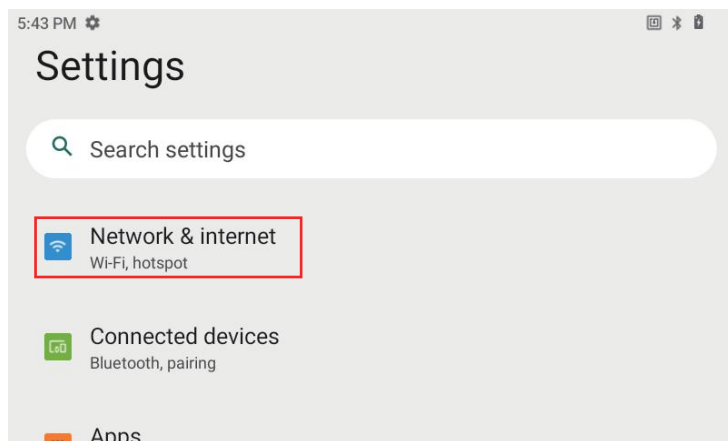
1. None
2. Enhanced Open
3. WEP
4. WPA/WPA2-Personal
 - Protected Extensible Authentication Protocol (PEAP) - with MSCHAPV2 and GTC authentication.
 - Transport Layer Security (TLS)
 - Tunneled Transport Layer Security (TTLS) - with Password Authentication Protocol (PAP) with MSCHAP and MSCHAPv2 authentication, and GTC authentication.
 - Password (PWD).
 - Lightweight Extensible Authentication Protocol (LEAP).
5. WPA3-Personal
 - Protected Extensible Authentication Protocol (PEAP) - with MSCHAPV2 and GTC authentication.
 - Transport Layer Security (TLS)
 - Tunneled Transport Layer Security (TTLS) - with Password Authentication Protocol (PAP) with MSCHAP and MSCHAPv2 authentication, and GTC authentication.
 - Password (PWD).
 - Lightweight Extensible Authentication Protocol (LEAP).
6. WPA/WPA2-Enterprise
 - Protected Extensible Authentication Protocol (PEAP) - with MSCHAPV2 and GTC authentication.
 - Transport Layer Security (TLS)
 - Tunneled Transport Layer Security (TTLS) - with Password Authentication Protocol (PAP) with MSCHAP and MSCHAPv2 authentication, and GTC authentication.
 - Password (PWD).
 - Lightweight Extensible Authentication Protocol (LEAP).
7. WPA3-Enterprise
 - Protected Extensible Authentication Protocol (PEAP) - with MSCHAPV2 and GTC authentication.
 - Transport Layer Security (TLS)
 - Tunneled Transport Layer Security (TTLS) - with Password Authentication Protocol (PAP) with MSCHAP and MSCHAPv2 authentication, and GTC authentication.
 - Password (PWD).
 - Lightweight Extensible Authentication Protocol (LEAP).
8. WPA3-Enterprise 192-bit

Connecting to a Wi-Fi Network

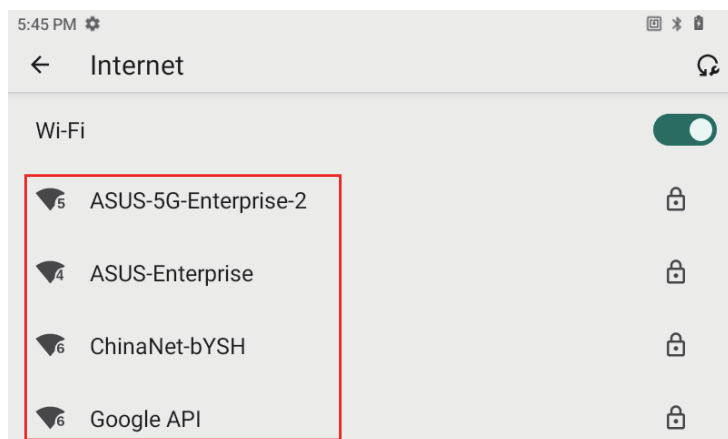
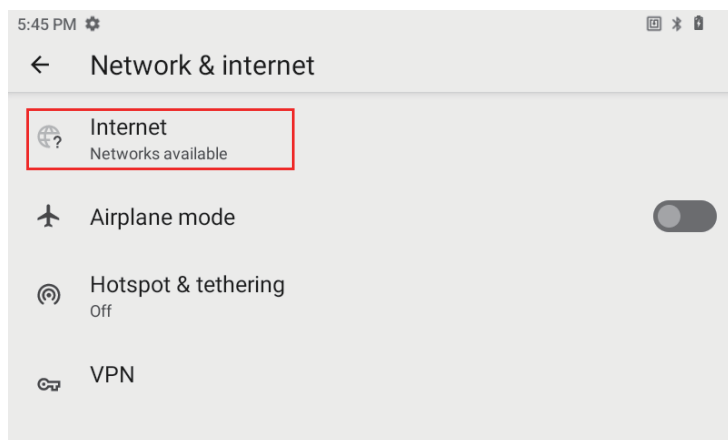
After the wireless function is enabled, ME10 will automatically display all the available wireless networks nearby in the wireless network list. To connect to a certain wireless network, please click the network's SSID in the list and tap Connect.

Note: For some networks, network security key or password needs to be entered for connecting. To connect to such networks, please contact the network admin for corresponding network security keys or passwords.

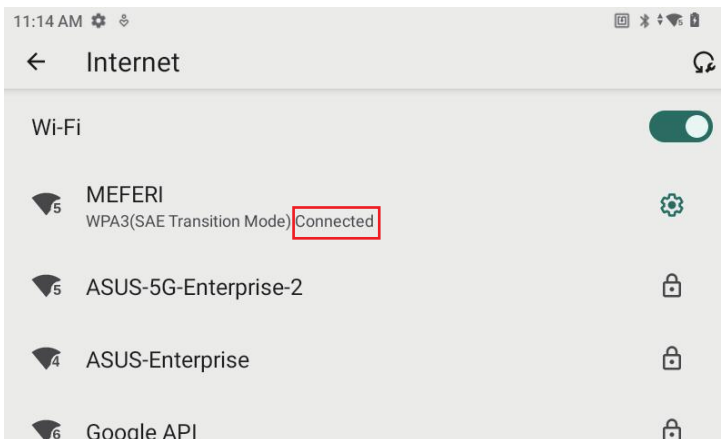
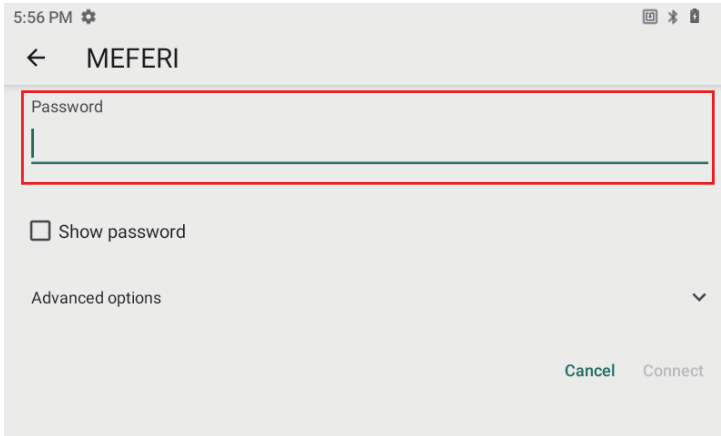
1. Go to **Settings**.
2. Touch **Network & internet**.



3. Touch **Internet** to open the **Internet** screen. The device searches for WLANs in the area and lists them.



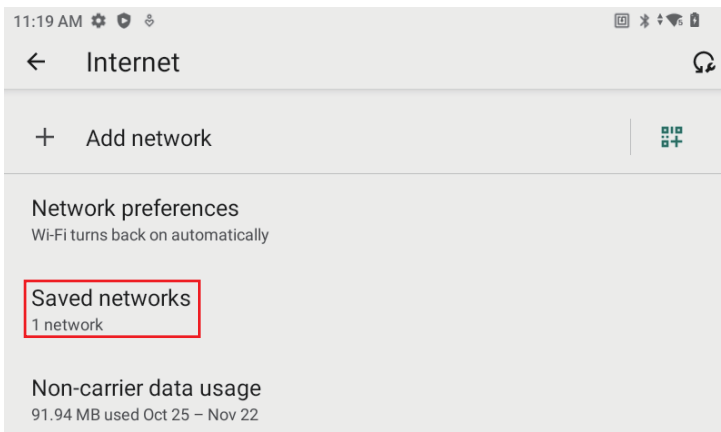
4. For open networks, touch the profile once or press and hold and then select **Connect** or for secure networks, enter the required password or other credentials, then touch **Connect**. See the system administrator for more information.
5. In the Wi-Fi setting field, **Connected** appears, indicating that the device is connected to the WLAN.



Removing a Wi-Fi Network

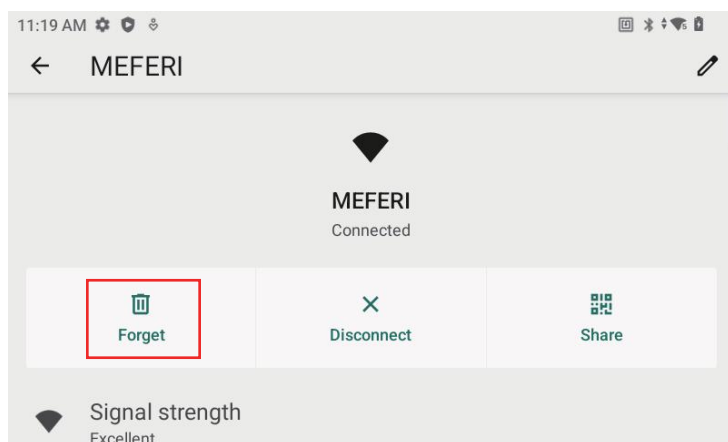
Remove a remembered or connected Wi-Fi network.

1. Go to **Settings**.
2. Touch **Network & internet**.
3. Touch **Internet**.
4. Scroll down to the bottom of the list and touch **Saved networks**.



5. Touch the name of the network.

6. Touch **Forget**.



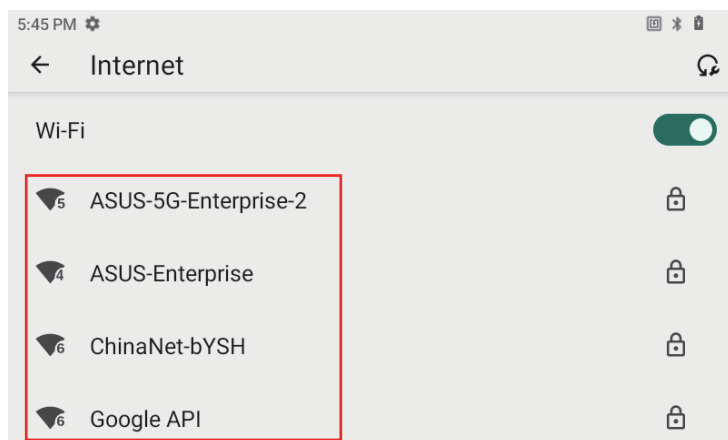
Configuring a Secure Wi-Fi Network

1. Go to **Settings**.

2. Touch **Network & Internet**.

3. Touch **Internet**.

4. Scroll through the list and select the desired WLAN network.



5. Touch the desired network. If network security is **Open**, the device automatically connects to the network. For all other network security, a dialog box appears.

6. If network security is **WPA/WPA2-Personal**, **WPA3-Personal**, or **WEP**, enter the required password and then touch **Connect**.

7. If network security is **WPA/WPA2/WPA3 Enterprise**:

a) Touch the **EAP method** drop-down list and select one of the following:

- **PEAP**
- **TLS**
- **TTLS**
- **PWD**

b) Fill in the appropriate information. Options vary depending on the **EAP method** chosen.

- When selecting **CA certificate**, Certification Authority (CA) certificates are installed using the **Security** settings.
- When using the EAP methods PEAP, TLS, or TTLS, specify a domain.
- Touch **Advanced options** to display additional network options.

8. If the network security is **WPA3-Enterprise 192-bit**:

- Touch **CA certificate** and select a Certification Authority (CA) certificate. Note: Certificates are installed using the **Security** settings.
- Touch **User certificate** and select a user certificate. Note: User certificates are installed using the **Security** settings.
- In the **Identity** text box, enter the username credentials.

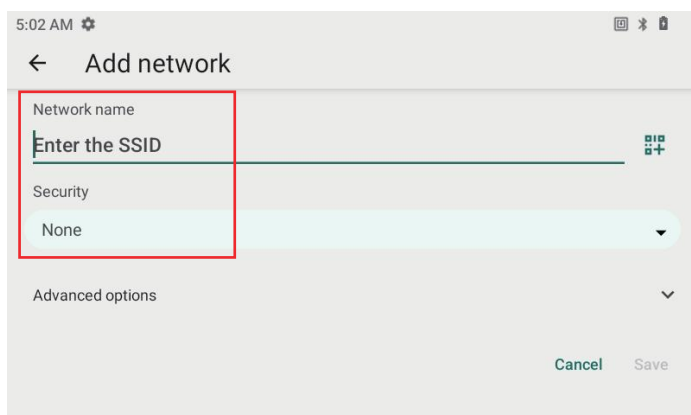
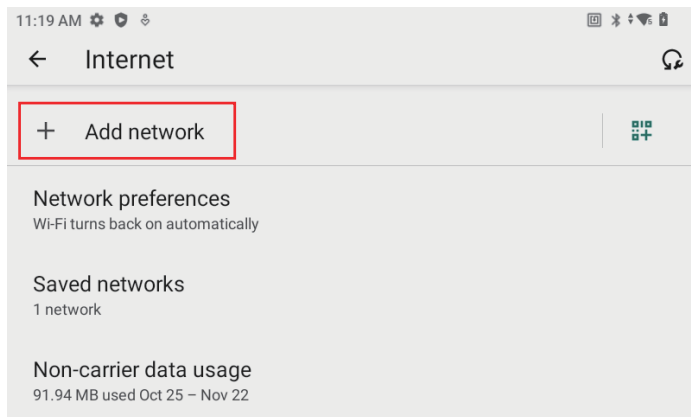
9. Touch **Connect**.

NOTE: By default, the network Proxy is set to None, and the IP settings are set to DHCP.

Manually Adding a Wi-Fi Network

Manually add a Wi-Fi network if the network does not broadcast its name (SSID) or to add a Wi-Fi network when out of range.

1. Go to **Settings**.
2. Touch **Network & Internet**.
3. Touch **Internet**.
4. Scroll to the bottom of the list and select **Add network**.
5. In the **Network name** text box, enter the name of the Wi-Fi network.
6. In the **Security** drop-down list, set the type of security to:
 - **None**
 - **Enhanced Open**
 - **WEP**
 - **WPA/WPA2-Personal**
 - **WPA3-Personal**
 - **WPA2/WPA3-Enterprise**
 - **WPA3-Enterprise**
 - **WPA3-Enterprise 192-bit**

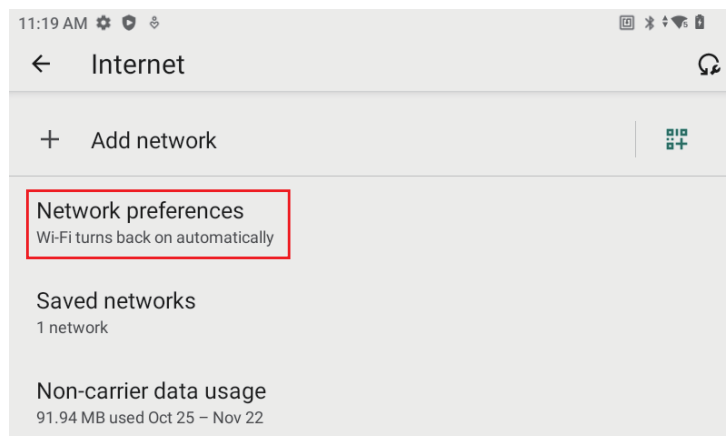


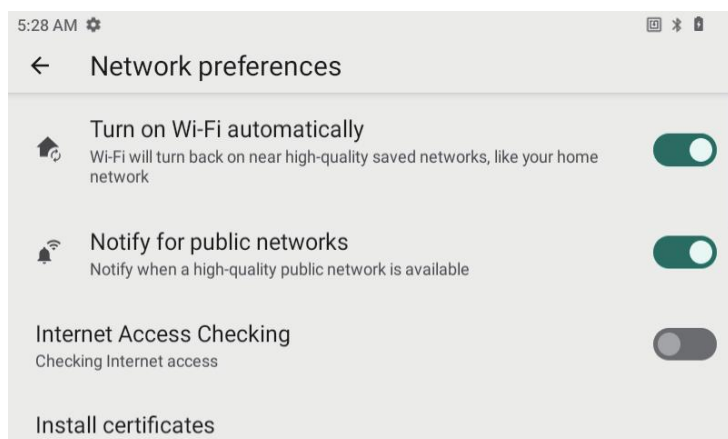
7. If the network security is **None** or **Enhanced Open**, touch **Save**.
8. If the network security is **WEP**, **WPA3-Personal**, or **WPA/WPA2-Personal**, enter the required password and then touch **Save**.
9. If network security is **WPA/WPA2/WPA3 Enterprise**:
 - a) Touch the **EAP method** drop-down list and select one of the following:
 - **PEAP**
 - **TLS**
 - **TTLS**
 - **PWD**
 - b) Fill in the appropriate information. Options vary depending on the **EAP method** chosen.
 - When selecting **CA certificate**, Certification Authority (CA) certificates are installed using the **Security** settings.
 - When using the EAP methods PEAP, TLS, or TTLS, specify a domain.
 - Touch **Advanced options** to display additional network options.
10. If the network security is WPA3-Enterprise 192-bit:
 - Touch **CA certificate** and select a Certification Authority (CA) certificate. Note: Certificates are installed using the Security settings.
 - Touch **User certificate** and select a user certificate. Note: User certificates are installed using the Security settings.
 - In the **Identity** text box, enter the username credentials.
13. Touch **Save**. To connect to the saved network, touch and hold on the saved network and select **Connect to network**.

Wi-Fi Preferences

Use the Wi-Fi preferences to configure advanced Wi-Fi settings. From the Wi-Fi screen, scroll down to the bottom of the screen and touch **Network preference**.

- **Turn on Wi-Fi automatically** - When enabled, Wi-Fi automatically turns back on when near high-quality saved networks.
- **Notify for public networks** - When enabled, it notifies the user when an open network / public network is available.
- **Install Certificates** - Touch to install certificates.
- **Wi-Fi Direct** - Displays a list of devices available for a direct Wi-Fi connection.





Bluetooth

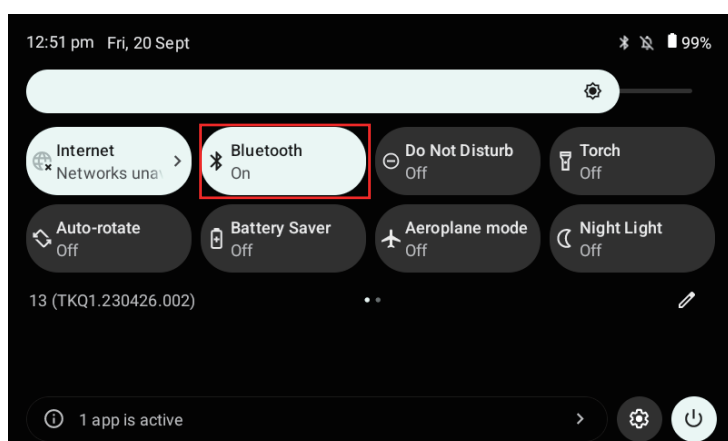
Bluetooth devices can communicate without wires, using frequency-hopping spread spectrum (FHSS) radio frequency (RF) to transmit and receive data in the 2.4 GHz Industry Scientific (ISM) band (802.15.1). Bluetooth wireless technology is specifically designed for short-range (10 m (32.8 ft)) communication and low power consumption.

Devices with Bluetooth capabilities can exchange information (for example, files, appointments, and tasks) with other Bluetooth enabled devices such as printers, access points, and other mobile devices.

The device supports Bluetooth Low Energy. It provides reduced power consumption and cost while maintaining standard Bluetooth range.

Enabling Bluetooth

1. Swipe down from the Status bar to open the Notification panel.
2. Touch  to turn Bluetooth on.



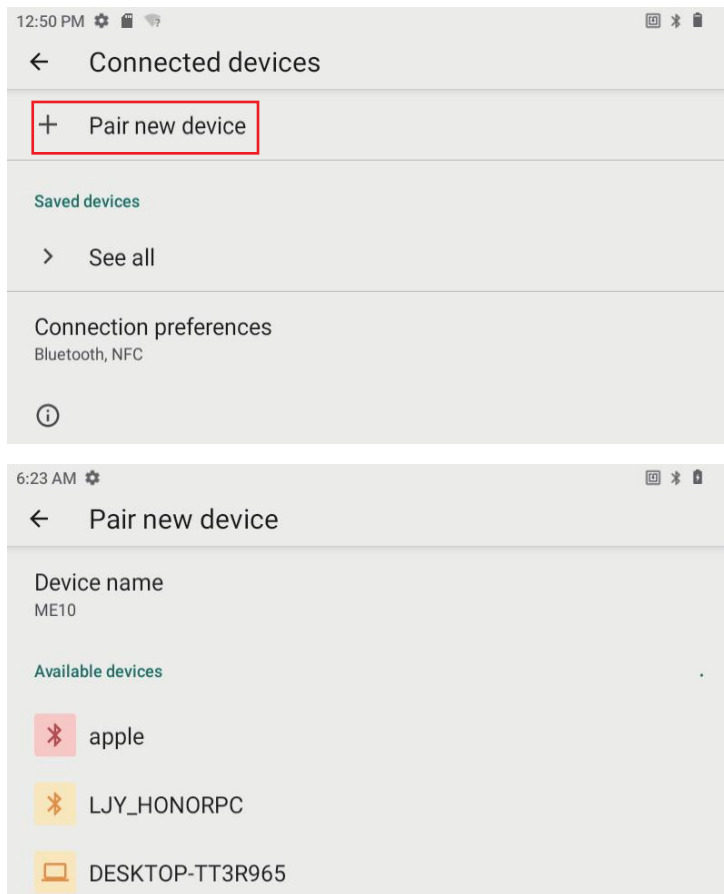
Disabling Bluetooth

1. Swipe down from the Status bar to open the Notification panel.
2. Touch  to turn Bluetooth off.

Connecting to a Bluetooth Device

The device can receive information from discovered devices without pairing. However, once paired, the device and a paired device exchange information automatically when the Bluetooth radio is on.

1. Ensure that Bluetooth is enabled on both devices.
2. Ensure that the Bluetooth device to discover is in discoverable mode.
3. Ensure that the two devices are within 10 m (32.8 ft) of one another.
4. Swipe down from the Status bar to open the Quick Access panel.
5. Touch and hold **Bluetooth**.
6. Touch **Pair new device**. The device begins searching for discoverable Bluetooth devices in the area and displays them under **Available devices**.

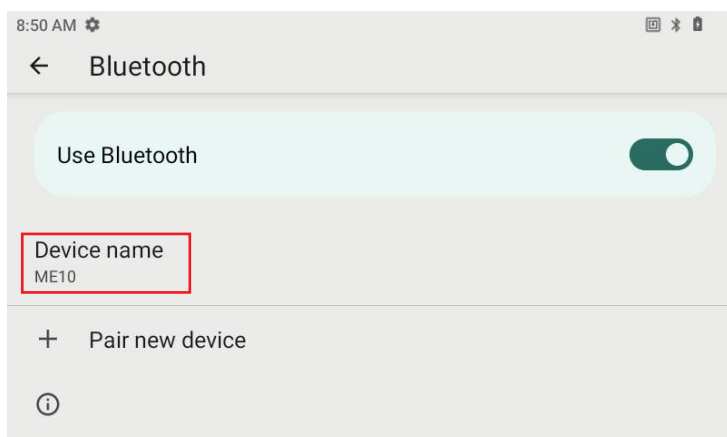
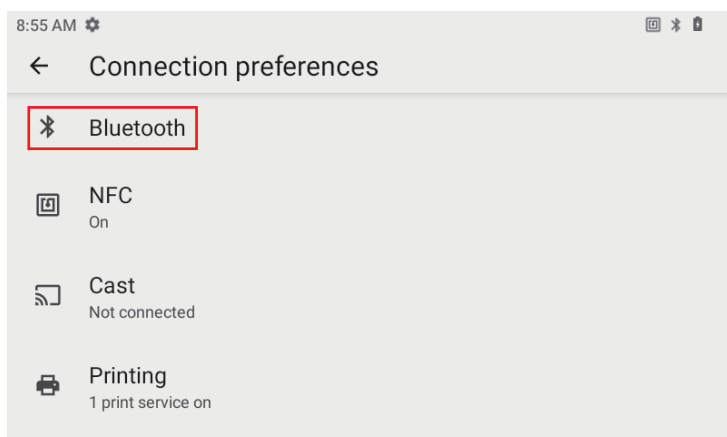
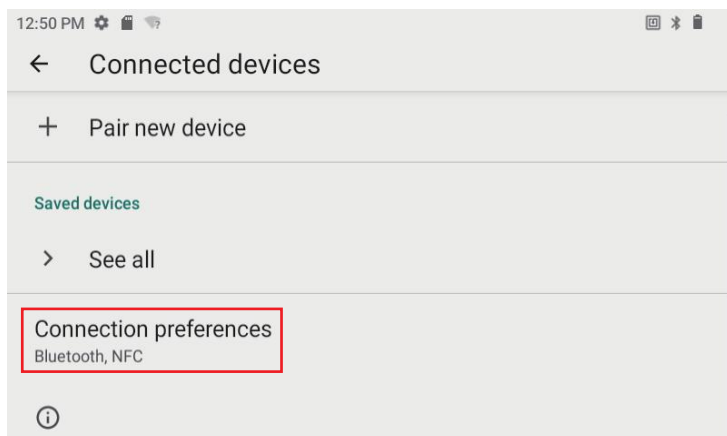


7. Scroll through the list and select a device. The Bluetooth pairing request dialog box appears.
8. Touch **Pair** on both devices.
9. The Bluetooth device is added to the **Paired devices** list and a trusted ("paired") connection is established.

Changing the Bluetooth Name

By default, the device has a generic Bluetooth name that is visible to other devices when connected.

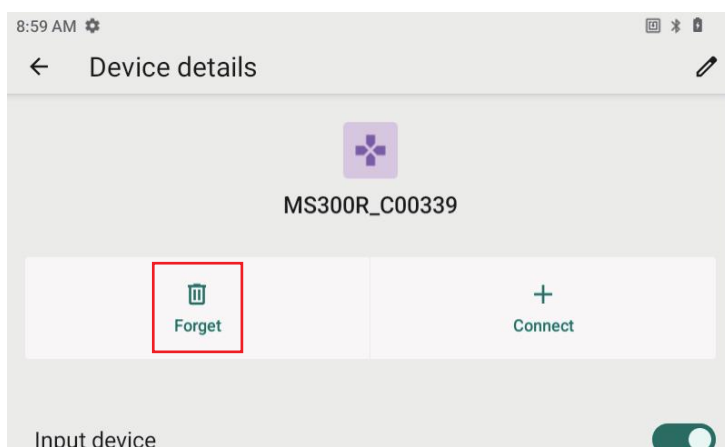
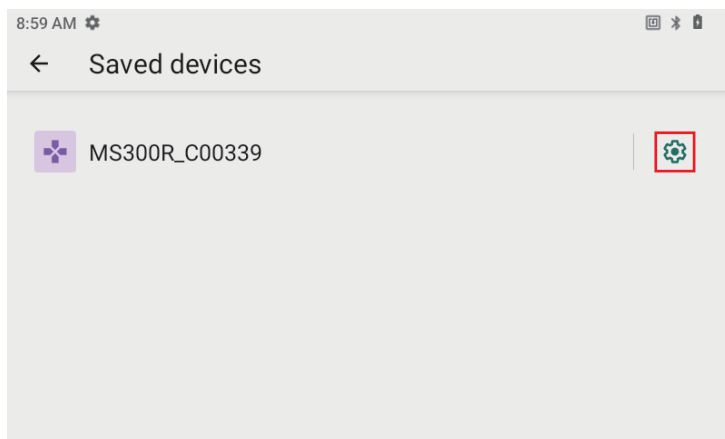
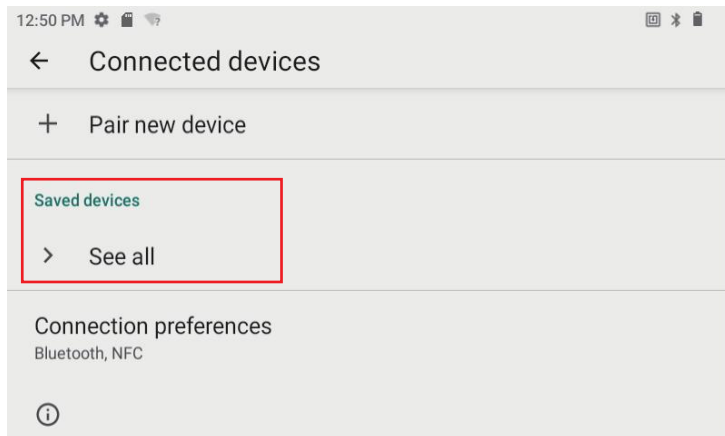
1. Go to **Settings**.
2. Touch **Connected devices** > **Connection preferences** > **Bluetooth**.
3. If Bluetooth is not on, move the switch to turn Bluetooth on.
4. Touch **Device name**.
5. Enter a name and touch **Rename**.



Unpairing a Bluetooth Device

Unpairing a Bluetooth device erases all pairing information.

1. Go to **Settings**.
2. Touch **Connected devices** > **Saved devices** > **See all**.
3. In the **Saved devices** list, touch  next to the device name.
4. Touch **Forget**.



Accessories

Introduction

This chapter describes ME10 accessories.

List of Standard Accessories



USB Type-C Cable

- Support Charging and Data Transferring
- USB 2.0 Port: OTG, Type-C
- Length: 1m



Battery

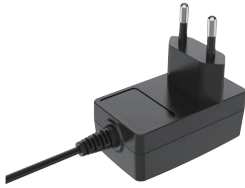
- Standard Battery: 3.7V/3400mAh



Power Adapter

- Input: 100-240V~50/60Hz, 0.3A
- Output: 5.0V—2.0A

List of Optional Accessories



Power Adapter

- 12V4A Adaptor used for 4-Slots Battery Charger



4-Slot Battery Charger

- Simultaneous charging. Charge status LED indication



Power Adapter

- Plug Cable 100-240V (plug: EU, CN, US, GB)
- Used for 8-Slot Battery Charger



8-Slot Battery Charger

- Simultaneous charging. Charge status LED indication



Power Adapter

- Plug Cable 100-240V (plug: EU, CN, US, GB)
- Used for 12-Slot Battery Charger

List of Optional Accessories



12-Slot Battery Charger

- Simultaneous charging. Charge status LED indication



Screen Protector(Glass)

- Additional protection against scratches and damage



Wrist Mount

- Wrist Mount "OneTouch Mount"



Wrist Mount(Velcro)

- Wrist Mount "OneTouch Mount"

Maintenance and Troubleshooting

Introduction

This chapter sets forth the device's maintenance methods and troubleshooting solutions to help users use the product appropriately.

Maintenance

To ensure that the device does not break down, please abide by the following instructions while using ME10:

- Do not scratch the screen of ME10. While using ME10, please use a recognized touch pen or any other pen which is fit for touching with point made from plastics. Please do not use a real pen, pencil or anything sharp to touch the screen of ME10.
- The screen of ME10 is made from glass. So please do not make ME10 fall on the ground or get hit.
- Prevent ME10 from bearing too high or low temperature. Do not put the device on any automotive instrument panel in hot weather. Keep it away from any heat source.
- Do not use ME10 anywhere dusty, damp or moist.
- Clean the scanning head and camera of ME10 by soft lens cloth. If the screen of ME10 gets dirty, please clean the screen by soft cloth with diluted glass cleaning solution.

ME10 cleaning

Housing

Scrub the housing by cloth with alcohol, including keys.

Display screen

Scrub the display screen by alcohol wipes but be sure that no liquid drops nearby the edge of the display. Immediately dry the display screen by soft and abrasive-free cloth to prevent mark left.

Camera and scanning window

Please scrub the camera and scanning window by lens wipers or other materials made for cleaning optical materials (e.g., glasses).

Troubleshooting

ME10 troubleshooting.

Problem	Reason	Solution
Press the power key but ME10 does not work.	The battery is not charged.	Charge the battery in ME10.
	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.	Turn on 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.
ME10 is off.	ME10 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 device runs out of battery.	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 ME10's storage is full.	Too many files are saved in ME10.	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 ME10.	Uninstall unused apps in ME10 to recover storage capacity.
ME10 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 ME10 within proper scanning range.
	Battery low.	Check battery capacity.