M40 Reference Manual

M40 Rugged Keypad Mobile Computer

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1 About Device

1.1 Summary

This manual provides the guidance of using M40 mobile computer and information about its accessories. Notice: Diagrams, instructions, and procedures that are descripted in this manual is based on the OS version at time of editing. Detailed information about device subject to change without notice.

1.2 Android Version

M40 uses Android 11。

1.3 SN (Serial Number)

Please open about device in settings, if you want to check the serial number of current device. The SN item in the bottom of the page is serial number.
You can also follow the procedures in 6.16.6 to check serial number.

1.4 OS Version

Please open about device in settings, if you want to check the OS version of current device. The OS version item is located in the bottom of the page.
You can also follow the procedures in 6.16.6 to check OS version.

1.5 Service Information

Please provide us with following information when you contact with us, if you need technical support or customer service.

1) SN;
2) OS Version.

Thank you for your cooperation.

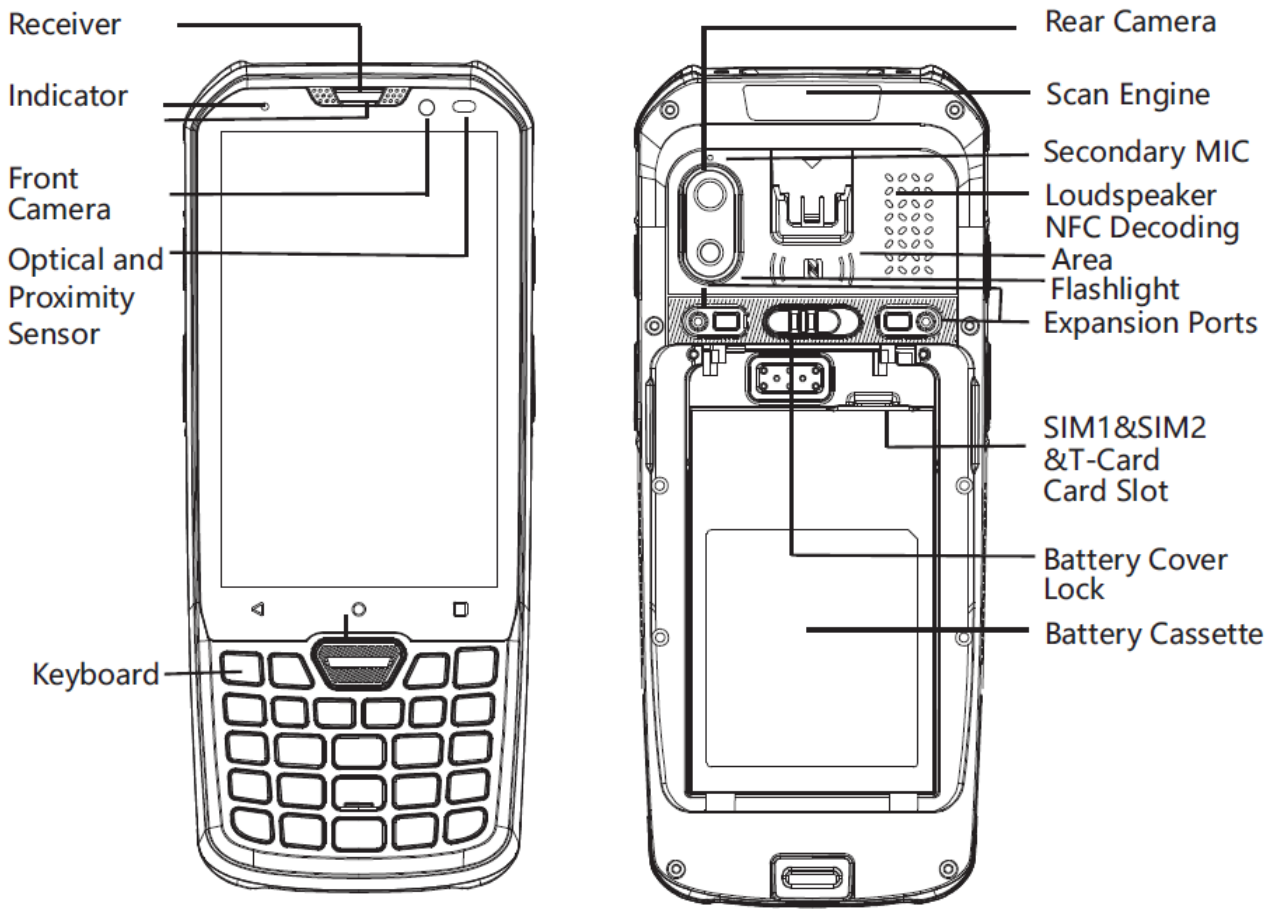
1.6 Change Log

The change log of this manual is as follows:

Version	Date	Description

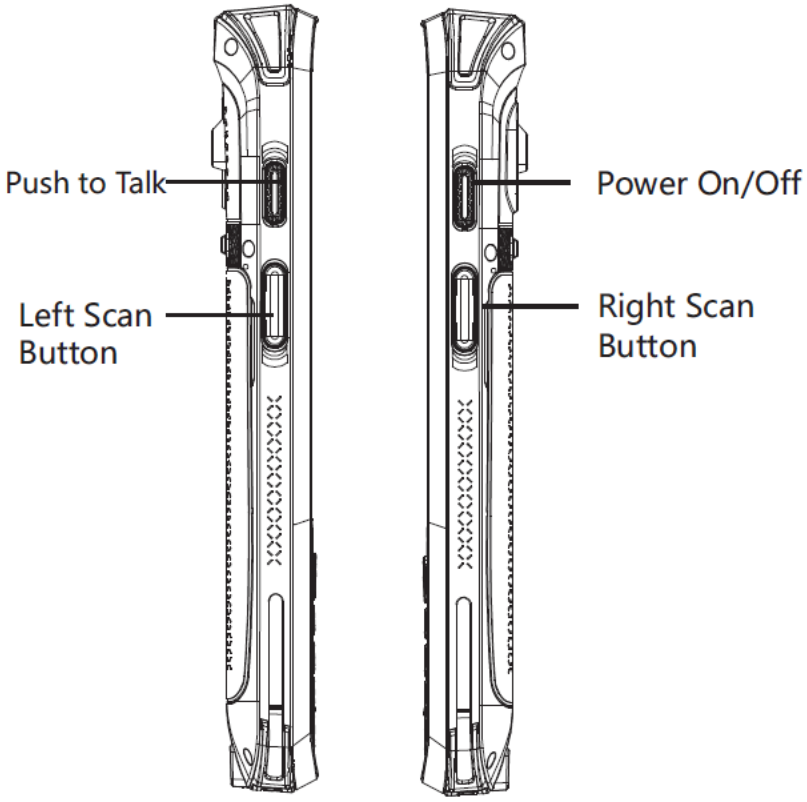
M40 Reference Manual Rev 1.0	2022/8/15	First edition.
M40 Reference Manual Rev 1.1	2022/11/16	Fix some errors.

2 Device Appearance



2.1 Device Appearance Diagram

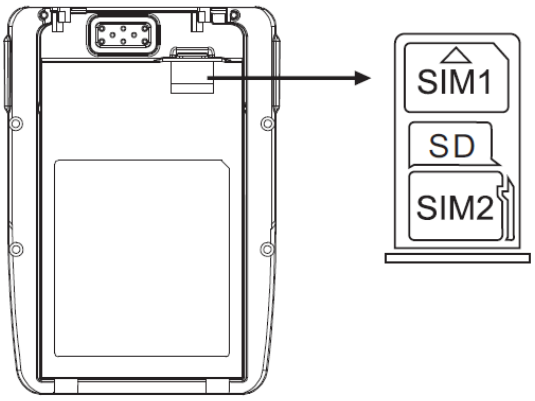
3 Key Description



3.1 Key Description Diagram

4 User Guide

4.1 Install SIM Card or Memory Card



4.1.1 Card Slot Diagram

Pull the card tray out of the device card slot and insert the Nano SIM or memory card in the correct orientation.

Notice:

1) SIM Card 1&2 are both Nano SIM Card;
2) Preferred Network is SIM Card 1.

4.2 Install Battery

4.2.1 Battery Diagram

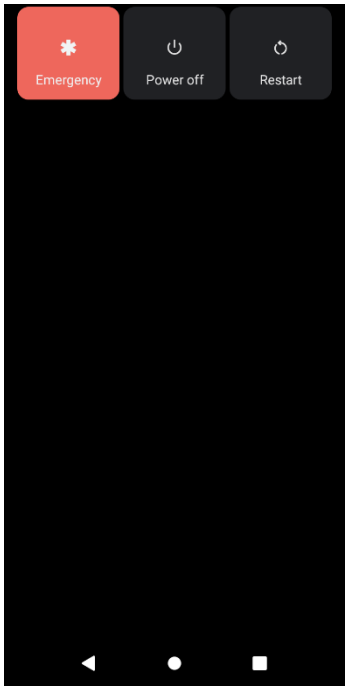
The battery adopts an integrated design and it supports one-button ejection function. Flick the button above battery to remove battery. Put battery in the battery compartment and gently press the battery to complete the installation.

4.3 Charge Method

Charging the device via USB cable: Connect the device to an electrical outlet using USB cable and power adapter or connect the device to a PC using USB cable.
Device charging indicator shows red light indicating the battery is charging. It shows green light indicating the battery is fully charged.
Notice: If the device is idle for long periods of time, please charge the device every two months to ensure that stand-by power source is not over discharged.

4.4 Boot and Shutdown

Press and hold the power button in the off state until the device vibrates to turn on device.



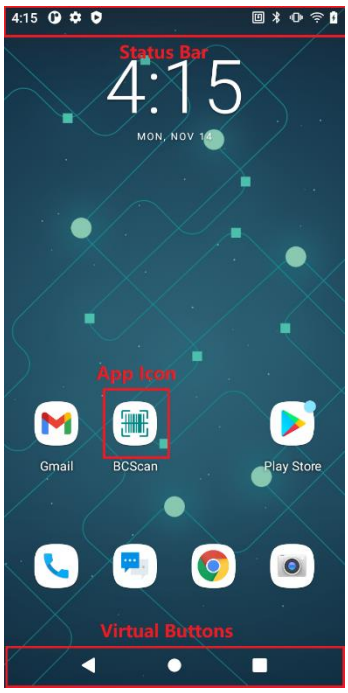
4.4.1 Shutdown Diagram

Press and hold the power button in on state until the device pops up a dialog, then tap the "Power Off".

4.5 Factory Reset

Open the System in Settings, click the Reset option in Advanced Settings, and select Erase all data (Factory Reset). Before restoring to factory settings, please save your data or data in the device in advance, they will be cleared after restoring to factory settings.
You can also restore factory settings by referring to the detailed procedure in 6.15.5.

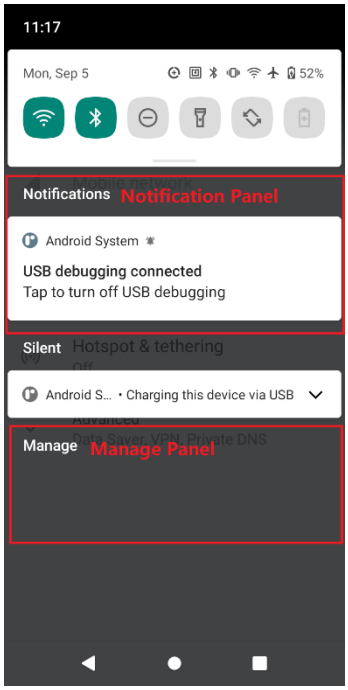
5 Home Screen



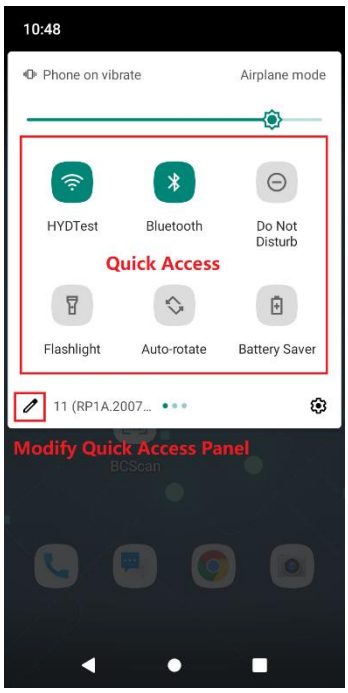
5.1 Home Screen Diagram

Notification Panel

You can pull down the Notification Panel at the top of the screen to open Quick Access Panel.



5.2 Notification Panel Diagram



5.3 Quick Access Diagram

The buttons in the Quick Access can be switched to different menu pages. You can also adjust the buttons you want to display in the Quick Access menu by clicking the edit button in the lower left corner of the menu.

6 Settings

6.1 Network & Internet

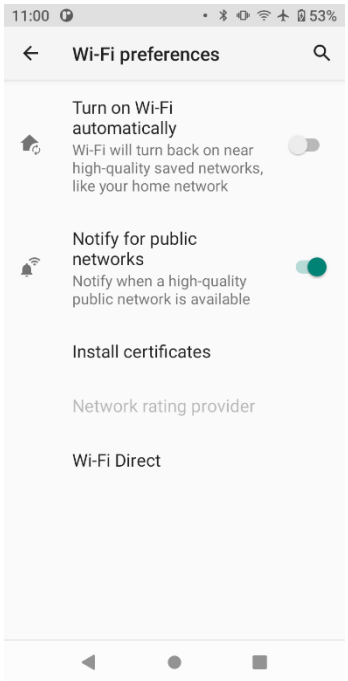
6.1.1 Wi-Fi

6.1.1.1 Use Wi-Fi

6.1.1.1.1 Wi-Fi List Diagram

On this page, you are able to open or close Wi-Fi connection. You can also do that by clicking the Wi-Fi button on navigation panel.

6.1.1.2 Wi-Fi Preferences



6.1.1.2.1.1 Wi-Fi Preferences Diagram

6.1.1.2.1 Turn on Wi-Fi Automatically

Wi-Fi will turn back on near high-quality saved networks, like your home network.

6.1.1.2.2 Notify for Public Networks

Notify when a high-quality public network is available.

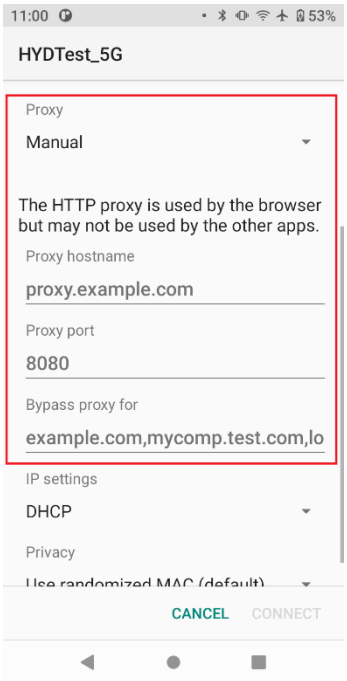
6.1.1.2.3 Install Certificates

Installing the WLAN certificate is generally not required. If your working environment requires the use of digital certificates as the identity credentials for Wi-Fi devices and wireless clients, you can install the digital certificates issued by your network administrator here.

6.1.1.2.4 Wi-Fi Direct

When you enable Wi-Fi, you can use the Wi-Fi Direct option to connect devices directly to each other without going through an intervening wireless access point.

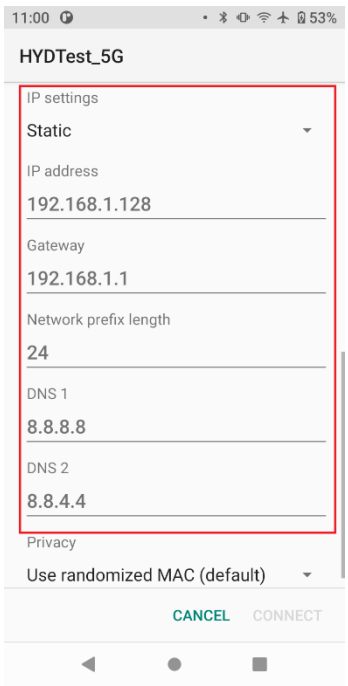
6.1.1.3 Proxy

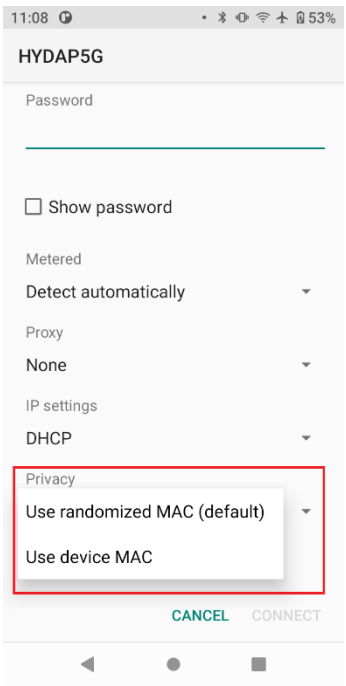


6.1.1.3.1 Proxy Diagram

When you connect to an unsaved access point, you can manually set the proxy and fill out proxy hostname and port in advanced settings.

6.1.1.4 Static IP & Static MAC



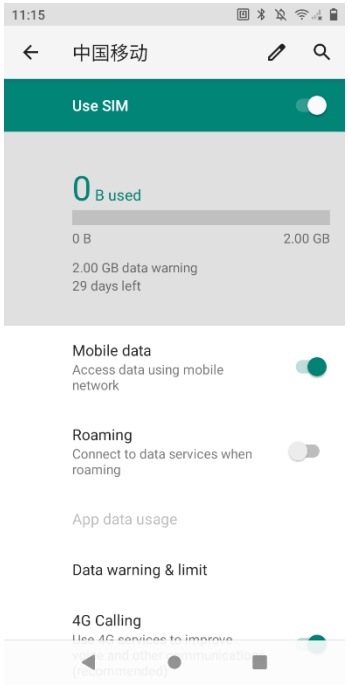


6.1.1.4.2 IP Settings Diagram 6.1.1.4.2 MAC Address Settings Diagram

When you select an unsaved access point in the Wi-Fi list to connect, you can set a static IP address by selecting Static in the IP setting item in the advanced settings. When you choose to use DHCP, the device will automatically obtain an IP address. You can also choose to use the device MAC address in the privacy setting in the advanced settings. The device will use the factory-set static MAC address instead of using a random MAC address.

If you want to modify the saved access point to use a static IP or static MAC address, you have to select your saved network in the Wi-Fi list, open the network details page, select Cancel Save, and then follow the above process to set a static IP or static MAC address while reconnecting to the access point. Or you can modify the privacy settings by following the process in 6.16.4.

6.1.2 Mobile Network



6.1.2.1 Mobile Network Diagram

On this page, you are able to turn on or turn off mobile network. You can also configurate roaming and VoLTE settings.

The options in 6.1.2 Mobile Network may vary depends on the Mobile Network Provider.

6.1.2.1 Mobile data

If you enable this option, it will allow device access data using mobile network.

6.1.2.2 Roaming

If you enable this option, it will allow device connect to data services when roaming.

6.1.2.3 App data usage

In this item, it shows the data usage of applications recently.

6.1.2.4 Data warning & limit

In this function, you are able to enable data warning when the data usage is approaching to the data limit you set.

6.1.2.5 VoLTE calls

If you enable this option, you are able to make VoLTE calls. VoLTE service needs to be applied from your operator before you turn on this menu, otherwise normal call functions may be affected.

6.1.2.6 Preferred network type

In this menu, you are able to select your preferred network type among LTE, 3G, 1x, and Global. Options may vary depends on your operator.

6.1.2.7 Carrier video calling

If you enable this option, you are able to make video call through your carrier. Some carrier may not support this function.

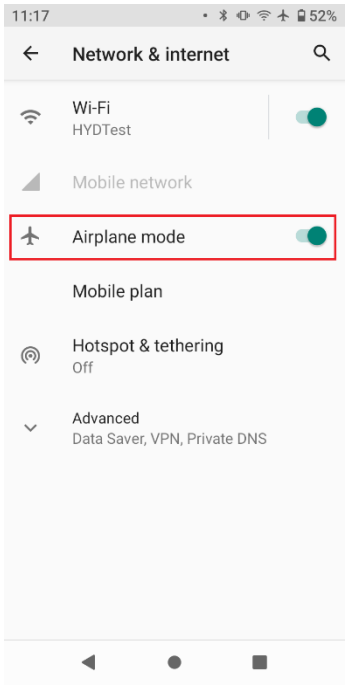
6.1.2.8 System select

You are able to change the CDMA roaming mode in this menu.

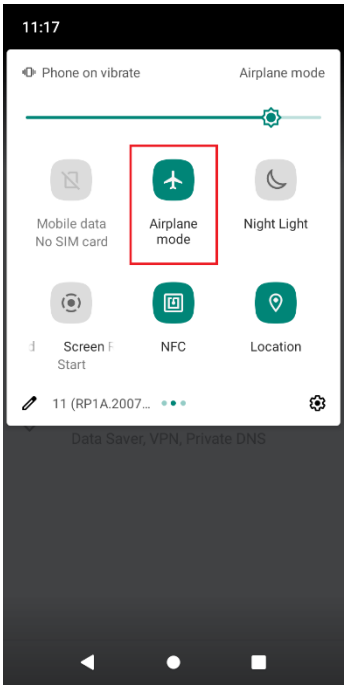
6.1.2.9 Access Point Names

You are able to select or manually add Access Point Names in this menu. Usually you do not have to change settings in this page.

6.1.3 Airplane Mode



6.1.3.1 Airplane Mode Diagram

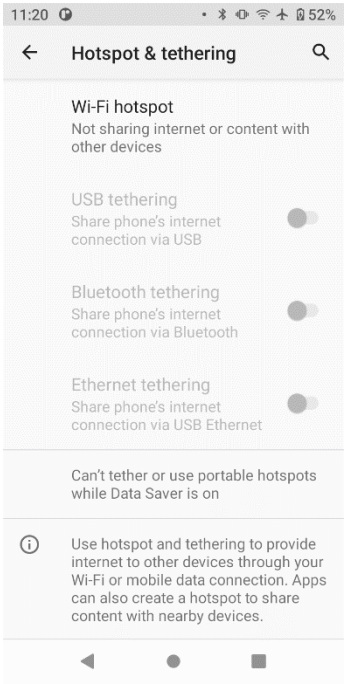


6.1.3.1 Airplane Mode in Notification Panel Diagram

On this page, you are able to turn on airplane mode, the device will automatically turn off Wi-Fi connection, mobile data, and Bluetooth connection. You can also turn on airplane mode by clicking on the airplane mode button in navigation panel.

6.1.4 Mobile Plan

6.1.5 Hotspot & Tethering



6.1.5.1.1 Wi-Fi Hotspot Diagram

6.1.5.1 Wi-Fi Hotspot

Use hotspot and tethering to provide internet to other devices through your Wi-Fi or mobile date connection. On this page, you can also change hotspot name, security, password, AP band and whether or not turn off hotspot automatically when no devices are connected.

6.1.5.2 USB Tethering

Share device's internet connection via USB.

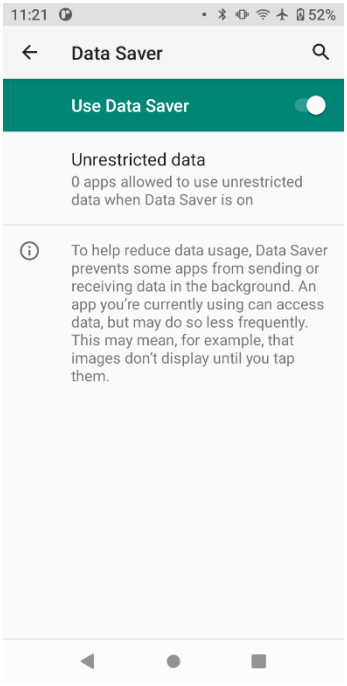
6.1.5.3 Bluetooth Tethering

Share device's internet connection via Bluetooth.

6.1.5.4 Ethernet Tethering

Share device's internet connection via USB Ethernet.

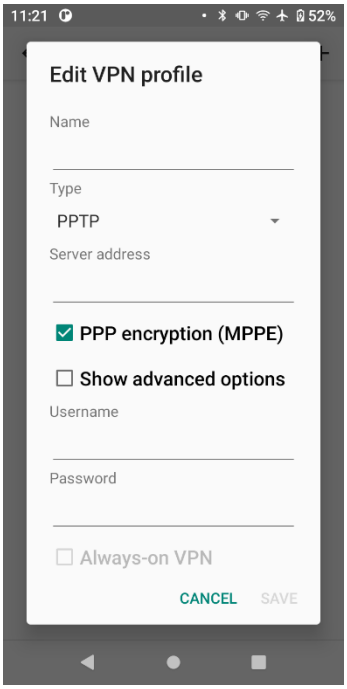
6.1.6 Data Saver



6.1.6.1 Data Saver Diagram

To help reduce data usage, Data Saver prevents some apps from sending or receiving data in the background. You can set unrestricted data to those apps so that they are allowed to use unrestricted date when Data Saver is on.

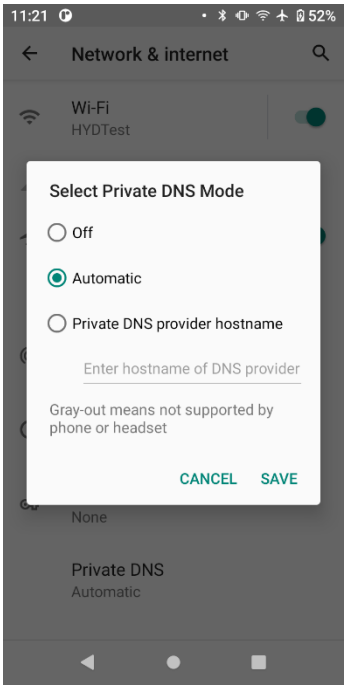
6.1.7 VPN



6.1.7.1 VPN Diagram

It allows you to establish a protected network connection when using public networks. To edit VPN profile, please click the “+” button on the top right of the VPN page.

6.1.8 Private DNS

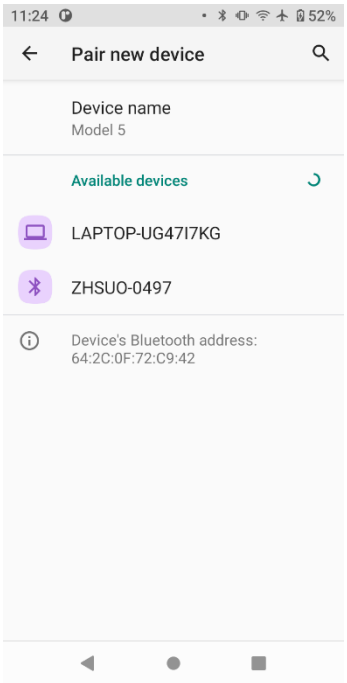


6.1.8.1 Private DNS Diagram

On the page, you are able to edit your private DNS provider settings.

6.2 Connected Devices

6.2.1 Pair New Device



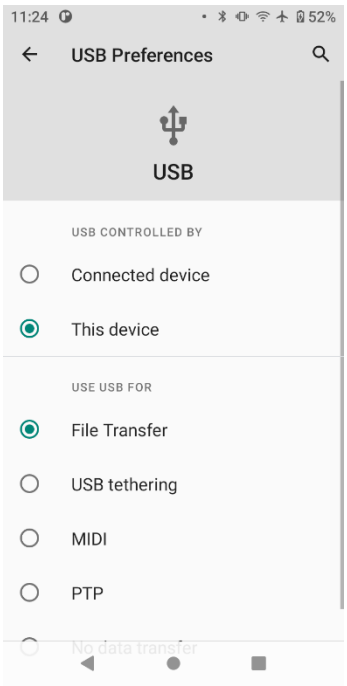
6.2.1.1 Pair New Device Diagram

On this page, you are able to edit the device name appeared to other Bluetooth devices. You can pair new device that are listed in available devices list.

You can also connect to other Bluetooth devices following the procedure in 6.2.2.2.

6.2.2 Connection Preferences

6.2.2.1 USB Preferences

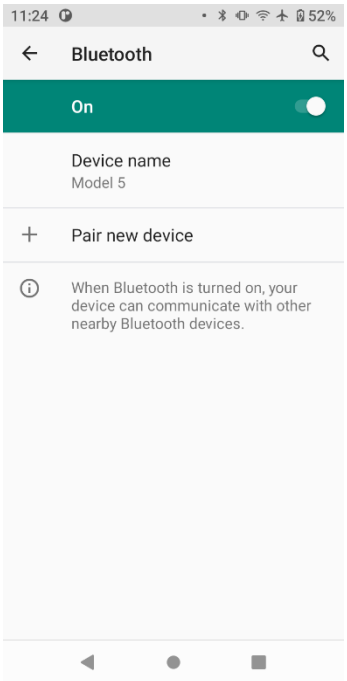


6.2.2.1.1 USB Preferences Diagram

On this page, you are able to choose whether USB controlled by connected device or this device. You can select the USB preference from the following chooses:

1) File Transfer;
2) USB Tethering;
3) MIDI;
4) PTP;
5) No Data Transfer.

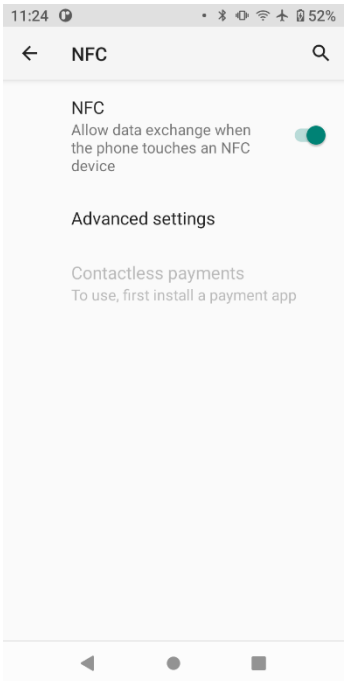
6.2.2.2 Bluetooth



6.2.2.2.1 Bluetooth Diagram

On this page, you can turn on or turn off Bluetooth connection. You are also able to do that by clicking the Bluetooth button in navigation panel.
Your device will be available to other Bluetooth devices after turning on the Bluetooth connection.

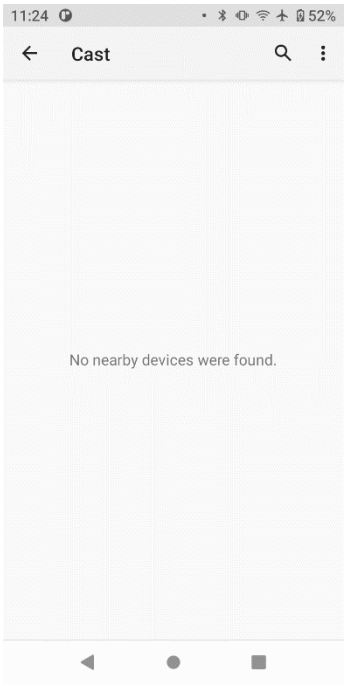
6.2.2.3 NFC



6.2.2.3.1 NFC Diagram

It allows the device to exchange data with an NFC device. The NFC module is located near the camera and speaker on the back of the device. Please slowly approach to the NFC devices when exchanging data with other NFC devices.

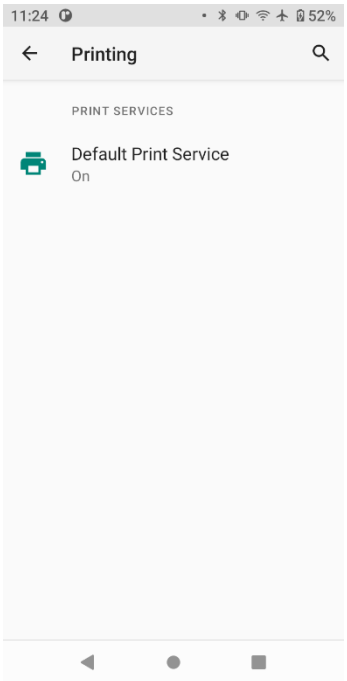
6.2.2.4 Cast



6.2.2.4.1 Cast Diagram

On this page, cast allow you to cast screen display to other devices that supports cast function.

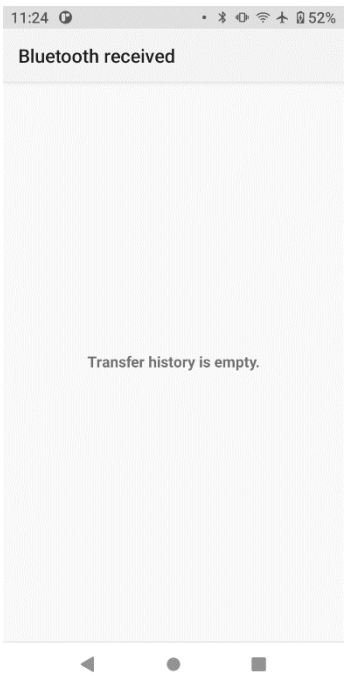
6.2.2.5 Printing



6.2.2.5.1 Printing Diagram

On this page, you are able to turn on or turn off printing service. Available printer will be listed on this page.

6.2.2.6 Files Received via Bluetooth



6.2.2.6.1 Files Received via Bluetooth Diagram

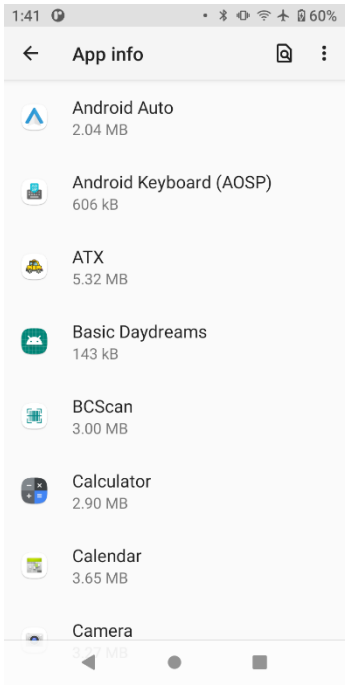
On this page, you can check files received via Bluetooth and file transfer history via Bluetooth.

6.2.2.7 Android Auto

Android Auto allows you to control the device on vehicle display so that it's easy to use while you're driving. It is not supported yet.

6.3 Apps & Notifications

6.3.1 App Info

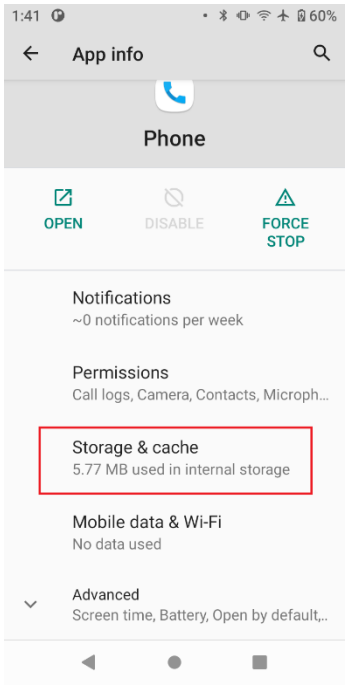


6.3.1.1.1 App Info Diagram

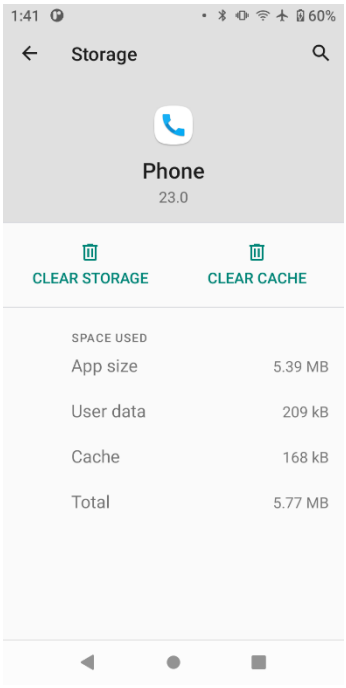
On this page, you are able to check information of installed applications. You are also able to check and modify detailed information of your applications.

You can also restore default app preferences via Reset App Preferences in the top right menu.

6.3.1.1 Clear App Storage or Cache



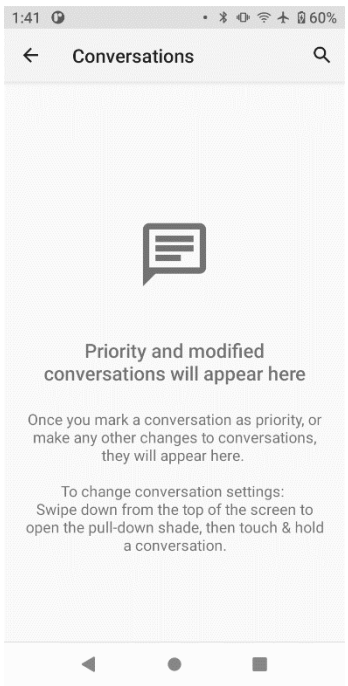
6.3.1.1.2 App Storage Diagram



6.3.1.1.3 Clear App Cache Diagram

To clear app storage or cache, select the application to open detailed page. Then tap storage and cache button. On the storage page, you can choose clear app storage or clear app cache.

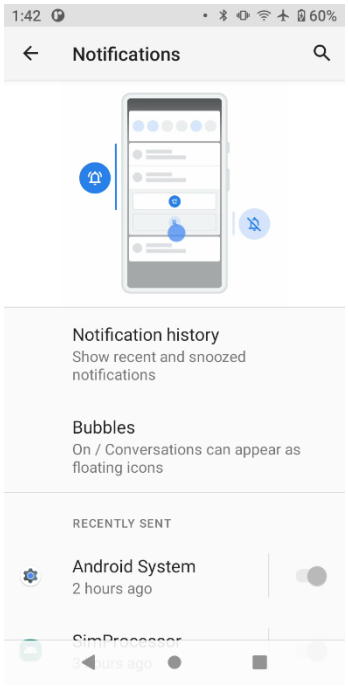
6.3.2 Conversations



6.3.2.1 Conversations Diagram

Conversations that you mark as priority conversations or modified changes will appear on this page. To change conversation settings: Swipe down from the top of the screen to open notification panel, then long-press the conversation you want to change.

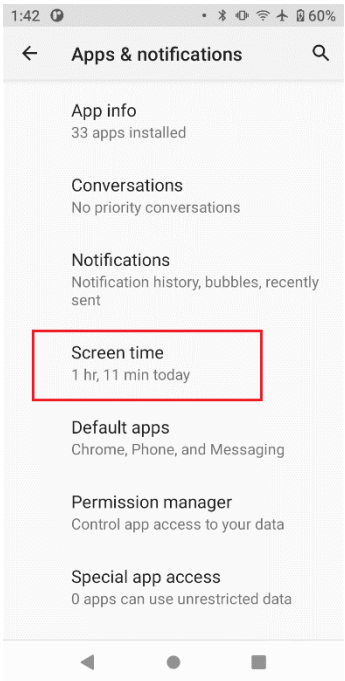
6.3.3 Notifications



6.3.3.1 Notifications Diagram

This page allows you to set which application can send system notifications. You can also choose which notifications will appear on the lock screen. Detailed notification related settings, such as whether to display the notification dot and whether to flash the indicator light, can be set in advanced settings.

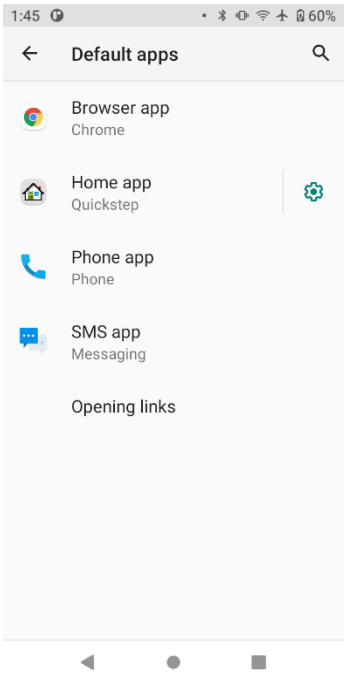
6.3.4 Screen Time



6.3.4.1 Screen Time Diagram

This item shows the screen time of your device.

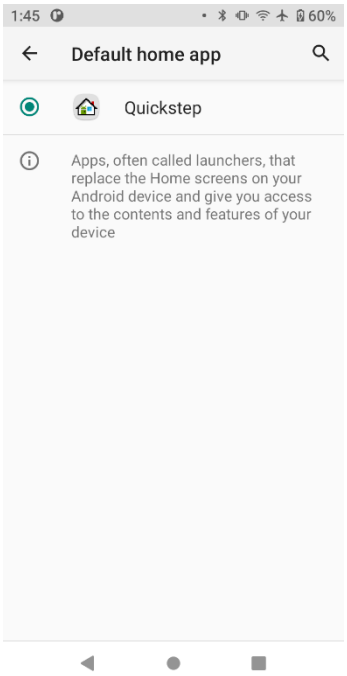
6.3.5 Default Apps



6.3.5.1.1 Default Apps Diagram

You can modify the apps that are opened by default for calls, text messages, browsers, and other items on this page. If you need to use third-party calls, text messages, and browsers applications instead of native applications, you have to set them here.

6.3.5.1 Default Home App / Launcher



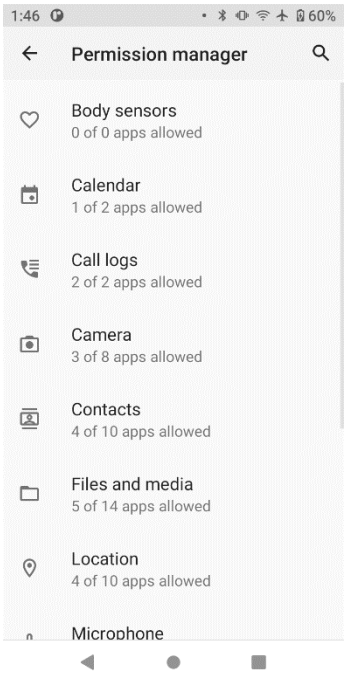
6.3.5.1.2 Default Launcher Diagram

You can follow the process mentioned in 6.3.5 to modify the home screen application in the default application page. If you need to use the desktop control function in your environment, you can set up your desktop application here.

You can also set the default home screen application in the location mentioned in 7.4.3.

If you need to restore the native home screen of your Android device, you can set the default desktop as Quickstep here.

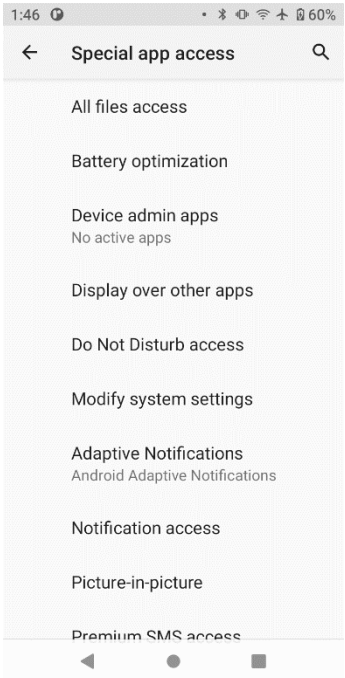
6.3.6 Permission Manager



6.3.6.1 Permission Manager Diagram

On this page, you can view or change the corresponding functions authorized to the application. Note that some apps may not work properly if you change the authorized functions.

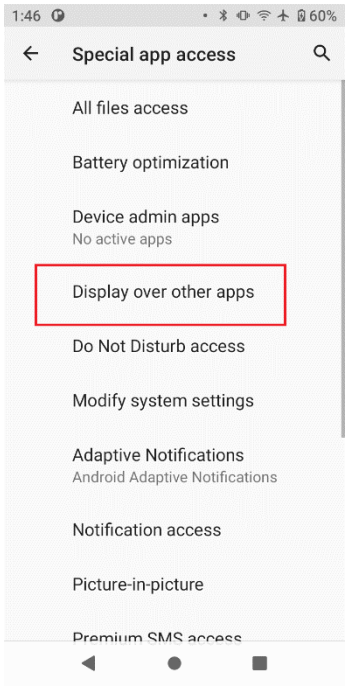
6.3.7 Special App Access

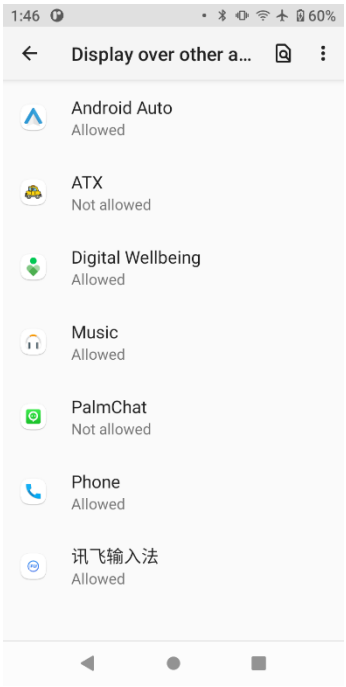


6.3.7.1.1 Special App Access Diagram

On this page, you can set "privileges" for the specified app, such as access to all files, permission to modify system settings, or permission to use notifications.

6.3.7.1 Display Over Other Apps

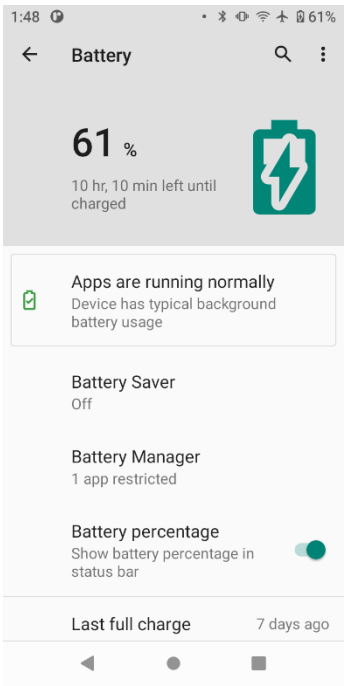




6.3.7.1.2 Display Over Other App Diagram 1　　6.3.7.1.3 Display Over Other App Diagram 2

If you need to authorize your app to appear on top of other apps, you need to authorize your app in the Display Over Other Apps item in 6.3.7 Special App Permissions.

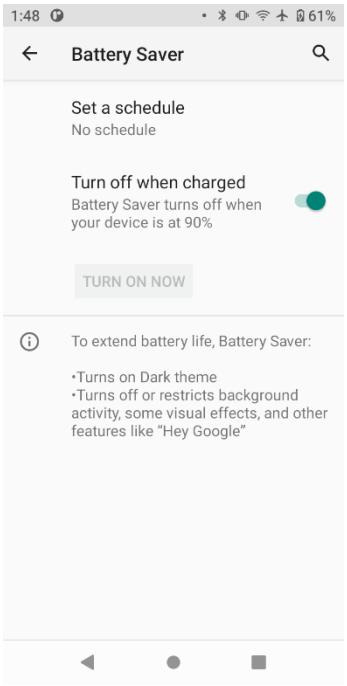
6.4 Battery



6.4.1.1 Battery Page Diagram

This page shows the remaining battery capacity and estimated battery life of the device. You can also view the last full charge time and screen usage time since the last full charge on this page.

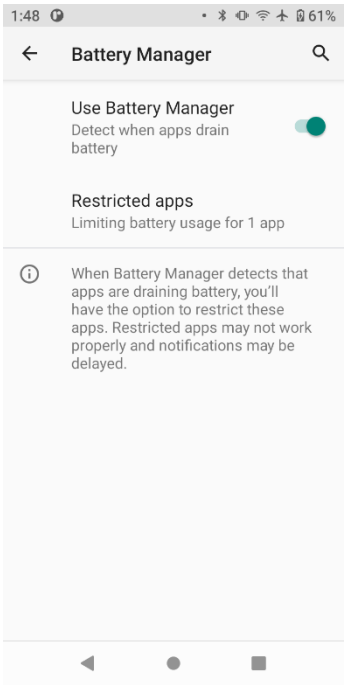
6.4.1 Battery Saver



6.4.1.2 Battery Saver Diagram

You can turn on Battery Saver on this page, which will turn on the dark theme, turn off or limit background activities, and turn off some visual effects and other features, such as voice assistants, to save power consumption.

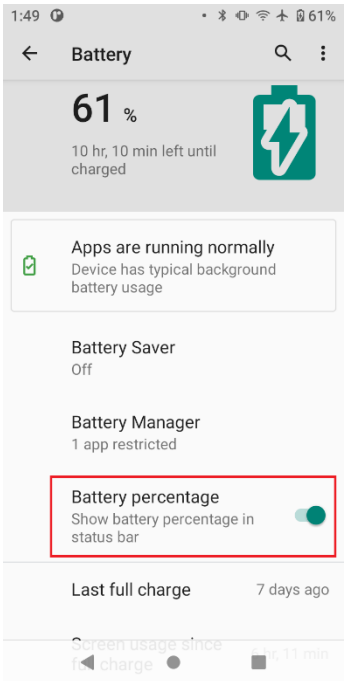
6.4.2 Battery Manager



6.4.2.1 Battery Manager Diagram

Turning on Battery management allows the system to detect when apps are using battery. You can restrict some features of power-hungry apps based on the results. Restricted apps may not function properly and notifications may be delayed.

6.4.3 Battery Percentage

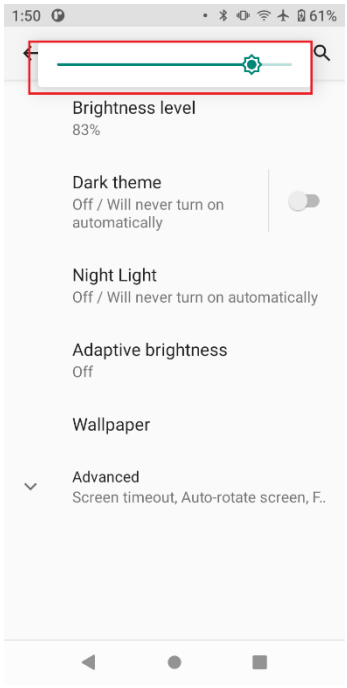


6.4.3.1 Battery Percentage Diagram

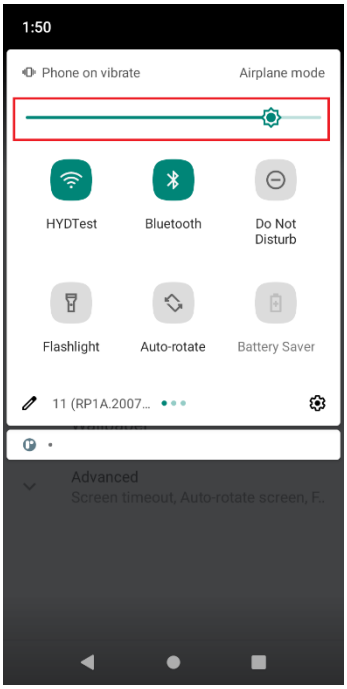
Open Battery Percentage to display battery percentage in the status bar.

6.5 Display

6.5.1 Brightness Level



6.5.1.1 Brightness Level Diagram

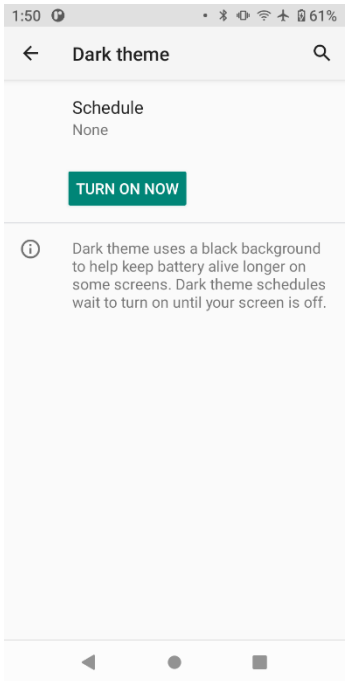


6.5.1.2 Brightness Level in Notification Panel Diagram

Modify this item to change the screen brightness, you can also adjust the screen brightness in the drop-down status bar.

If you turn on the automatic brightness adjustment mentioned in 6.5.4, the screen brightness you set will be automatically changed according to the ambient brightness.

6.5.2 Dark Theme

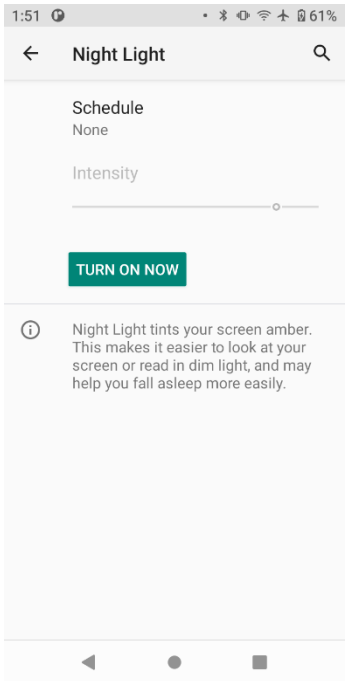


6.5.2.1 Dark Theme Diagram

On this page, you can turn on the dark theme to change the default background to dark. You can also set a scheduled time to automatically turn on the dark theme. The device will automatically turn on the dark background within the time period you specify.

Third-party apps need to support the dark theme to change the theme color with your settings here.

6.5.3 Night Light

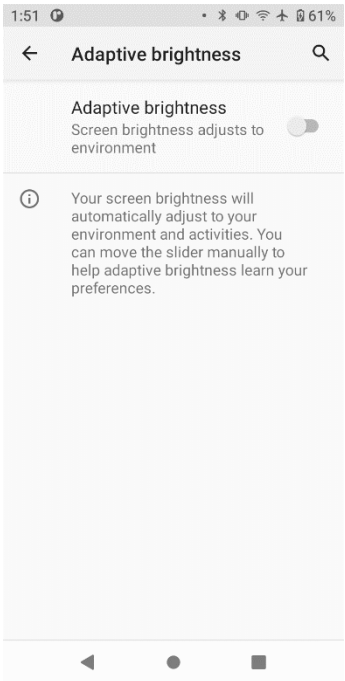


6.5.3.1 Night Light Diagram

On this page, you can turn on eye protection mode, which makes your screen tint amber so that you are more comfortable to view the screen or read text in dimly lit environment.

You can also set the scheduled time and intensity to automatically turn on the eye protection mode. The device will automatically turn on the eye protection mode within the time period you specify according to the intensity you set.

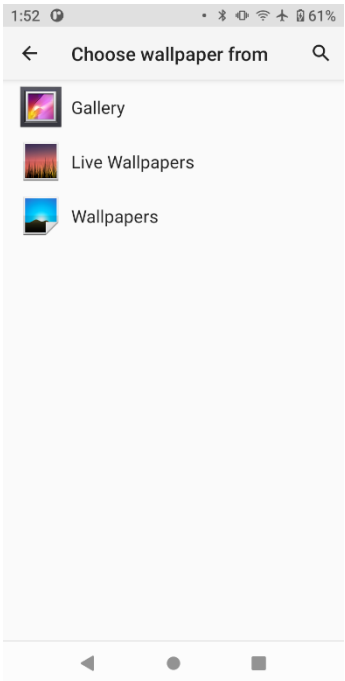
6.5.4 Adaptive Brightness



6.5.4.1 Adaptive Brightness Diagram

You can turn on this function, then the device will automatically adjust the screen brightness according to your environment and activities. You can also move the slider manually to help Auto Brightness learn your preferred brightness.

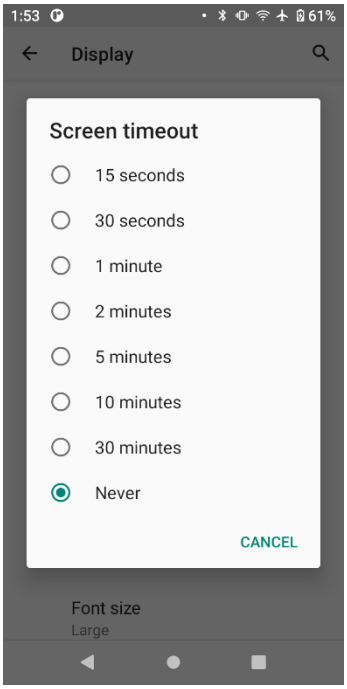
6.5.5 Wallpaper



6.5.5.1 Wallpaper Diagram

On this page you can set live wallpaper or set wallpaper from photo.

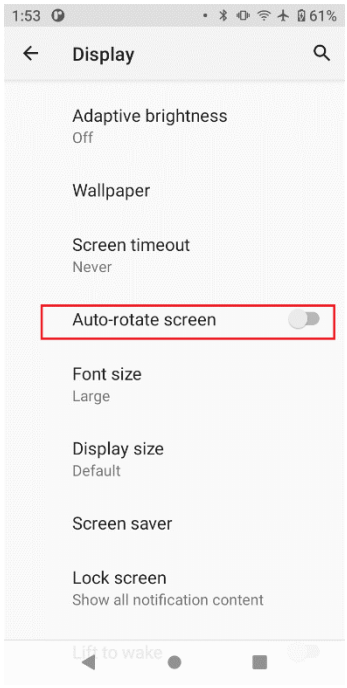
6.5.6 Screen Timeout



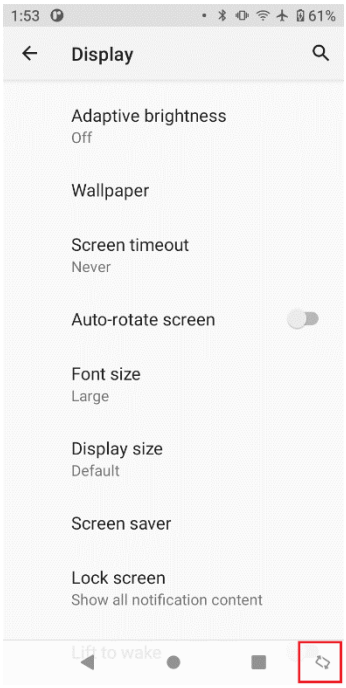
6.5.6.1 Screen Timeout Diagram

By changing this function, you can set the time for the device's screen to automatically turn off.
If you set the screen timeout to 1 minute, the screen will automatically turn off after 1 minute of inactivity, and the device will automatically sleep after a period of time.
Please note that some apps will prevent the screen from automatically turning off.

6.5.7 Auto-Rotate Screen



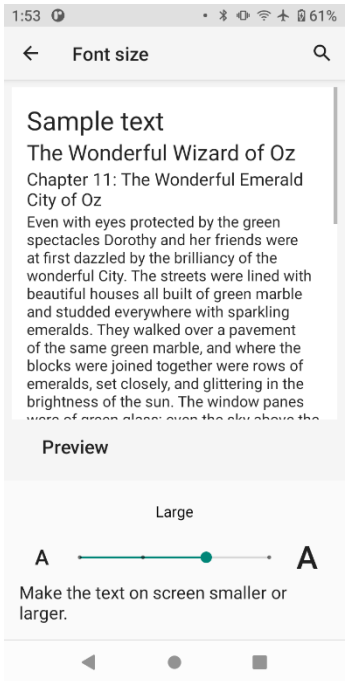
6.5.7.1 Auto-Rotate Screen Diagram



6.5.7.2 Rotate Screen Manually Diagram

Turn on this function, the device will automatically rotate the screen when you lay it horizontally. You can also hold the device sideways and then rotate the screen on a particular page by tapping the spin button that appears next to the virtual key at the bottom (right) of the screen. If you want to restore the vertical screen after rotating the screen and the Auto-Rotate Screen function is not turned on, you need to click the rotation button next to the virtual key at the bottom of the screen again to rotate the screen after the device is vertically positioned.

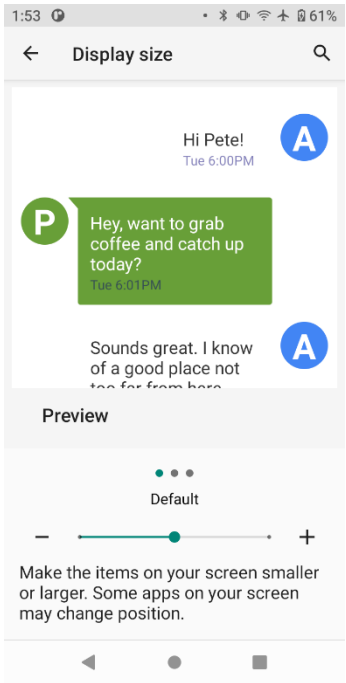
6.5.8 Font Size



6.5.8.1 Font Size Diagram

By modifying this function, you can zoom in or zoom out the text on the screen.

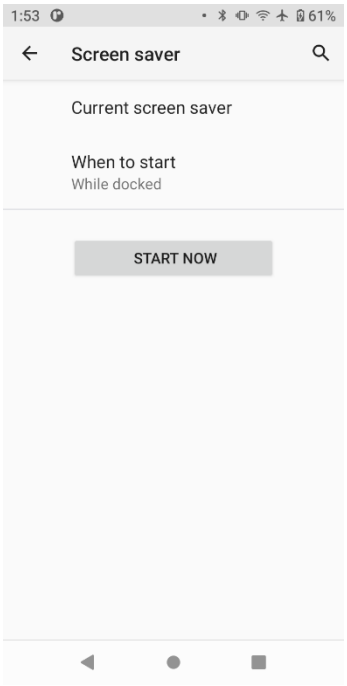
6.5.9 Display Size



6.5.9.1 Display Size Diagram

By modifying this function, you can zoom in or zoom out the content on the screen. Please note that after zoomed out or zoomed in, the position of some applications on the screen may change accordingly.

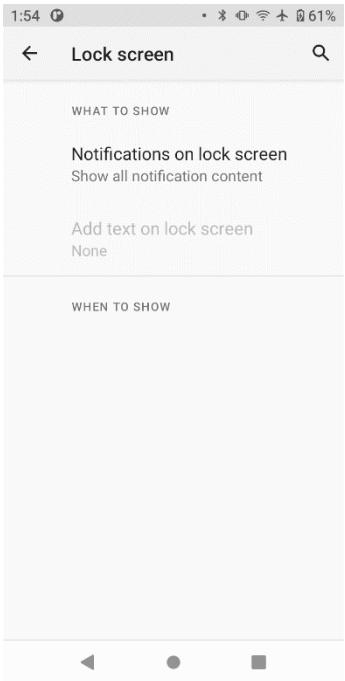
6.5.10 Screen Saver



6.5.10.1 Screen Saver Diagram

On this page, you can modify the Screen Saver and when it is activated.

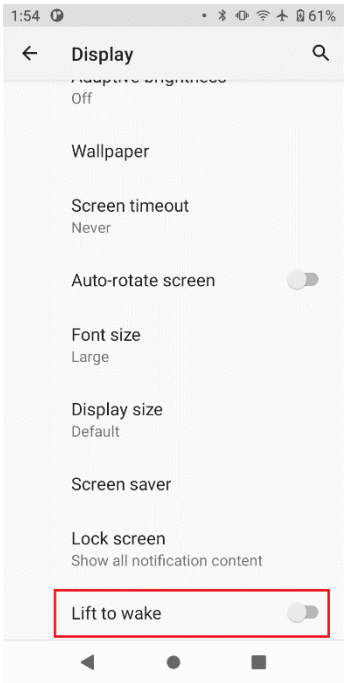
6.5.11 Lock Screen



6.5.11.1 Lock Screen Diagram

On this page, you can set the notification and text to be displayed on the lock screen.

6.5.12 Lift to Wake

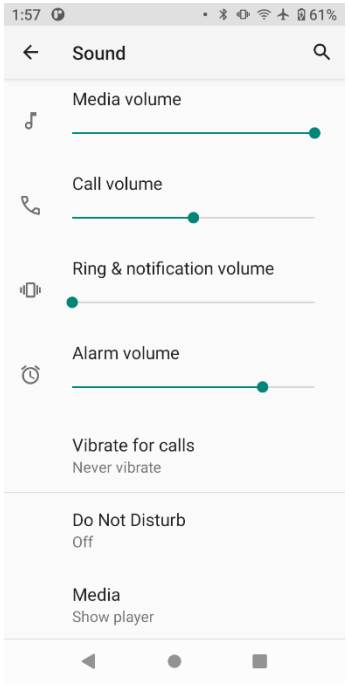


6.5.12.1 Lift to Wake Diagram

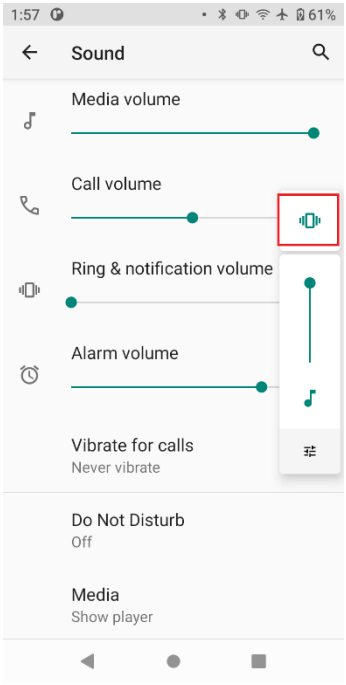
If you turn on this function, the device will automatically wake up the screen when you pick up the device.

6.6 Sound

6.6.1 Volume



6.6.1.1 Volume Diagram 1

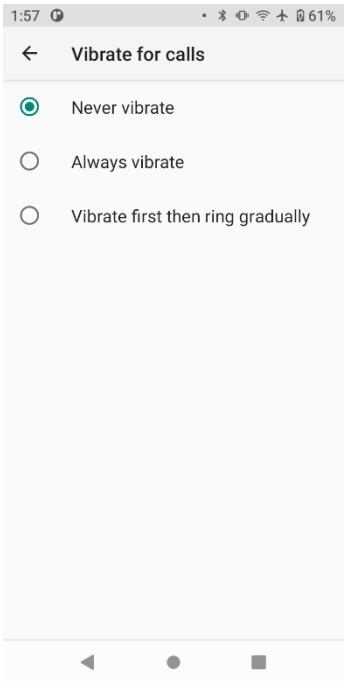


6.6.1.2 Volume Diagram 2

On this page, you can modify media volume, call volume, ringtone and notification volume, and alarm volume.

Please note that when you use the volume keys to modify the volume or modify the Ringtone and Notification Method, the ringtone and notification volume will be automatically modified.

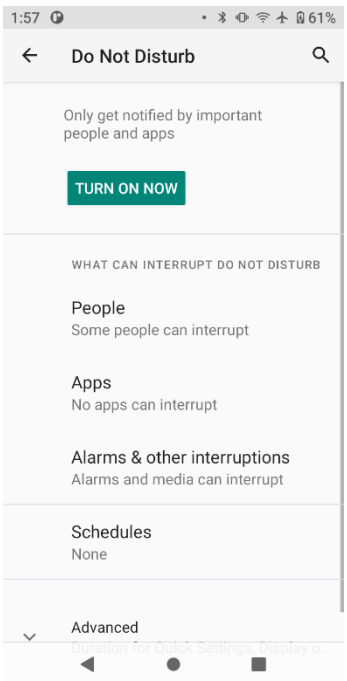
6.6.2 Vibrate for Calls



6.6.2.1 Vibrate for Calls Diagram

You can modify this item to set the device to vibrate or not to vibrate or to vibrate before ringing (the ringtone gradually increases) when an incoming call occurs.

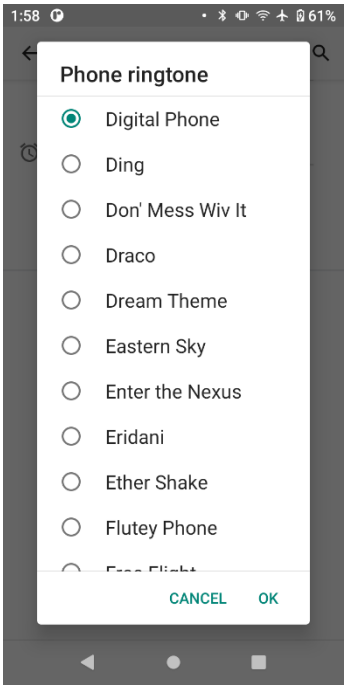
6.6.3 Do Not Disturb



6.6.3.1 Do Not Disturb Diagram

You can only receive notifications from important contacts and apps by turning on Do Not Disturb. On this page you can set exceptions that are not affected by Do Not Disturb or set a schedule for automatically turning on Do Not Disturb.

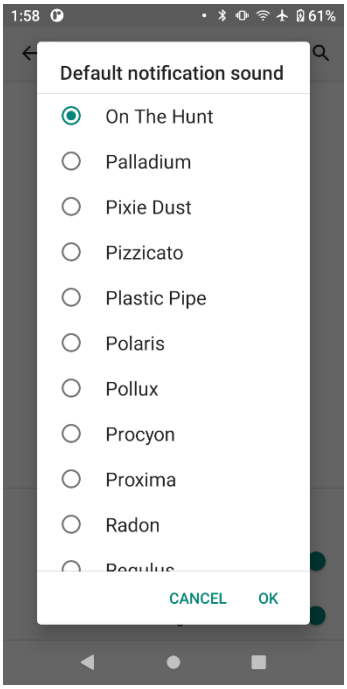
6.6.4 Phone Ringtone



6.6.4.1 Phone Ringtone Diagram

You can change the ringtone of the phone by modifying this item, and click other ringtones to listen to the ringtone. The default ringtone of the device is Digital Phone.

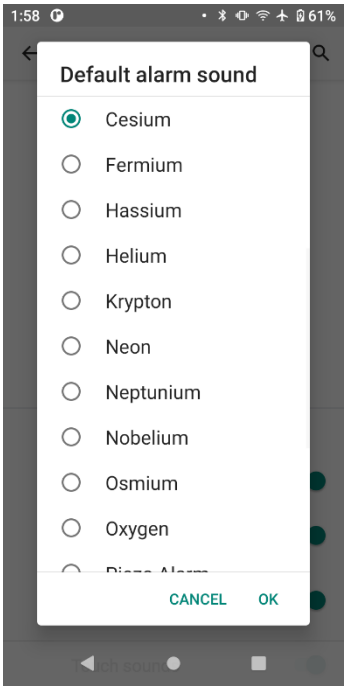
6.6.5 Default Notification Sound



6.6.5.1 Default Notification Sound Diagram

You can change the default notification sound by modifying this item. The default notification sound of the device is “On The Hunt”.

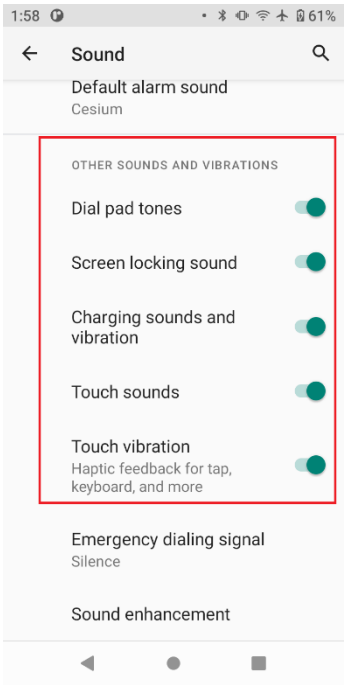
6.6.6 Default Alarm Sound



6.6.6.1 Default Alarm Sound Diagram

You can change the default alarm sound by modifying this item. The default alarm sound of the device is Cesium.

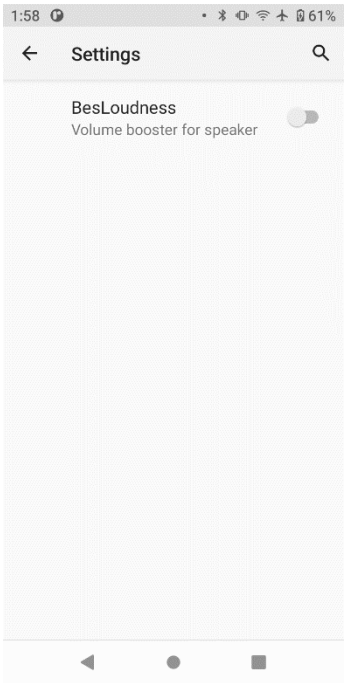
6.6.7 Other Sounds and Vibrations



6.6.7.1 Other Sounds and Vibrations Diagram

You can turn on or off the specified sound and vibration reminder by modifying the settings on this page.

6.6.8 Sound Enhancement

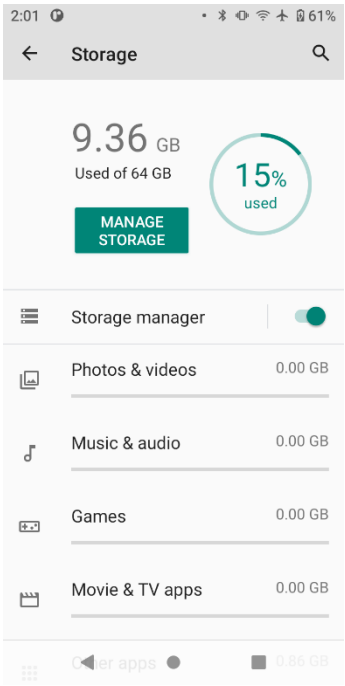


6.6.8.1 Sound Enhancement Diagram

Turning this option on can improve the sound.

6.7 Storage

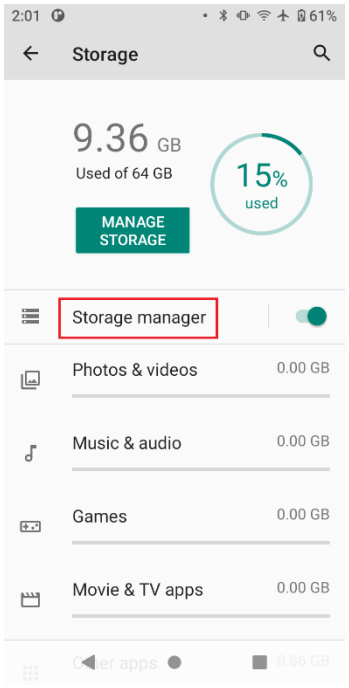
6.7.1 Manage Storage

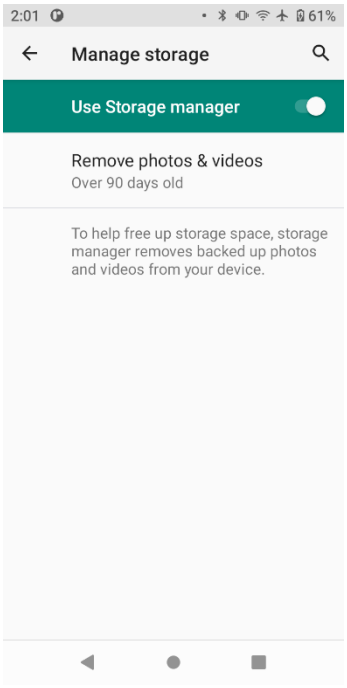


6.7.1.1 Manage Storage Diagram

This page displays the currently used and total storage space of the device. You can click the Manage Storage Space button to enter the detailed information page and to remove old files to free up space.

6.7.2 Storage Manager



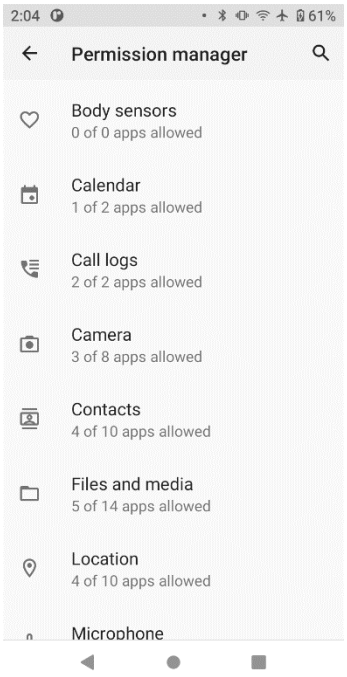


6.7.2.1 Storage Manager Diagram 6.7.2.2 Manage Storage Space Diagram

Once this function is turned on, your storage will be managed by Storage Manager. Storage Manager removes backed up photos and videos from your device to free up storage space.

6.8 Privacy

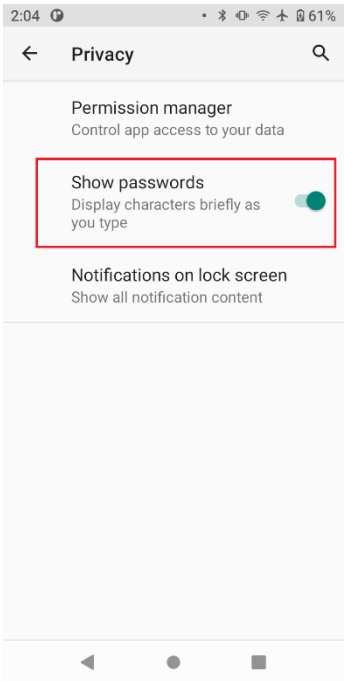
6.8.1 Permission Manager



6.8.1.1 Permission Manager Diagram

On this page, you can control which applications can access your data.

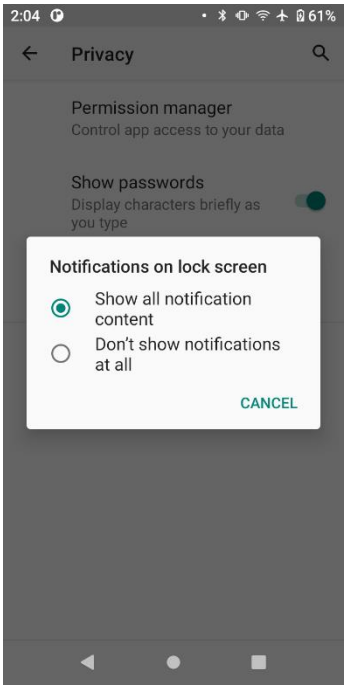
6.8.2 Show Passwords



6.8.2.1 Show Passwords Diagram

Turn on this option to display characters briefly when entering a password.

6.8.3 Notifications on Lock Screen

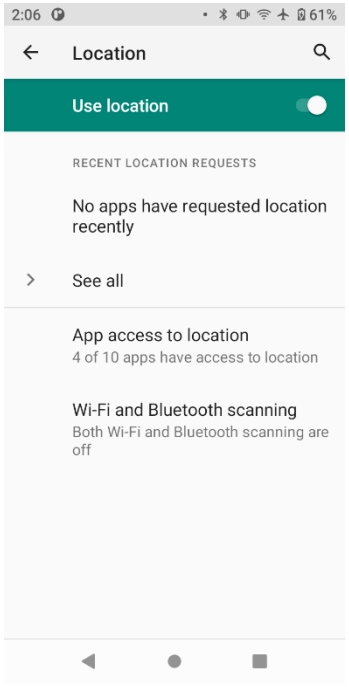


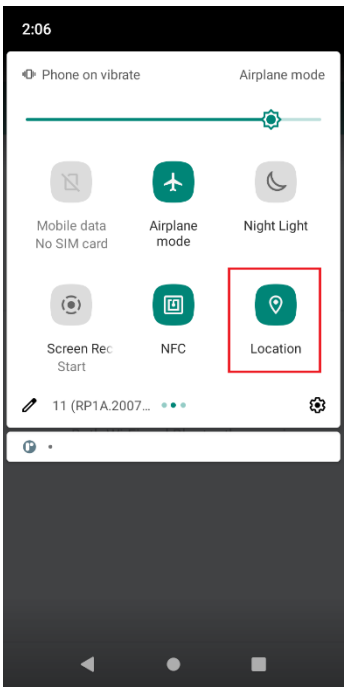
6.8.3.1 Notifications on Lock Screen Diagram

On this page, you can set the lock screen to show all notifications or none at all.

6.9 Location

6.9.1 Use Location





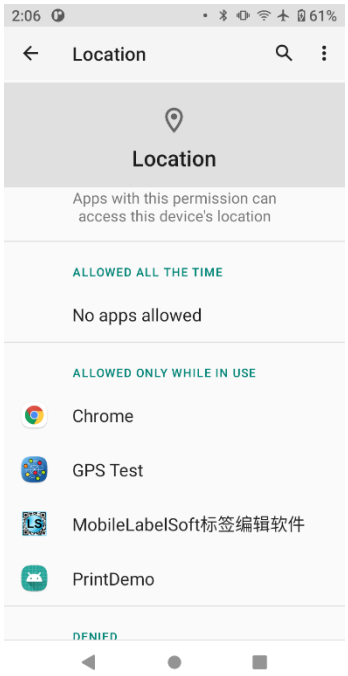
6.9.1.1 Use Location Diagram 6.9.1.2 Use Location in Notification Panel Diagram

On this page, you can turn on or off the use of location.

You can also turn on or off using location by clicking the location icon in the Quick Access in navigation panel.

If you turn off Use Location, some apps that require location may not work properly. If your app needs to use Bluetooth pairing, you need to turn on Use location to search for nearby devices.

6.9.2 App Access to Location

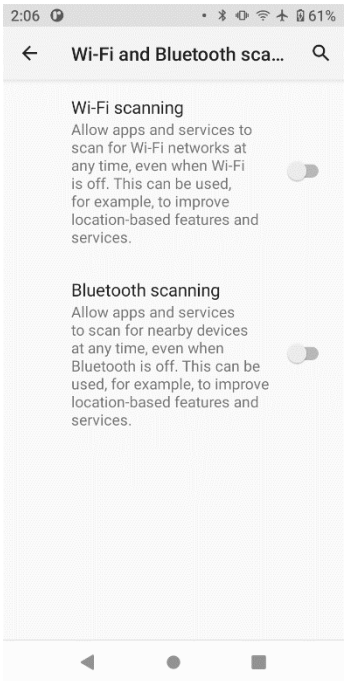


6.9.2.1 App Access to Location Diagram

On this page, you can check or change location access rights for each app. You can enable or disable the app's location usage all the time or only when you use it. Some apps may not work properly if you disable its access to location.

The location information usage right in the app authorization that pops up when opening some apps for the first time is the same setting as this item. If you want to change the authorization later, you can modify it on this page.

6.9.3 Wi-Fi and Bluetooth Scanning

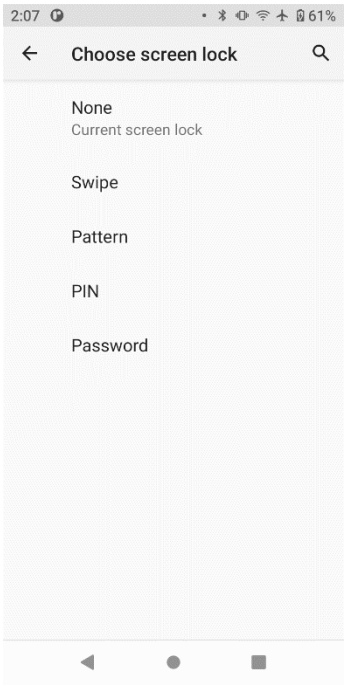


6.9.3.1 Wi-Fi and Bluetooth Scanning Diagram

On this page, you can enable or disable apps and services to scan for Wi-Fi networks or nearby Bluetooth devices at any time, which can be used to improve location-based features and services.

6.10 Security

6.10.1 Screen Lock

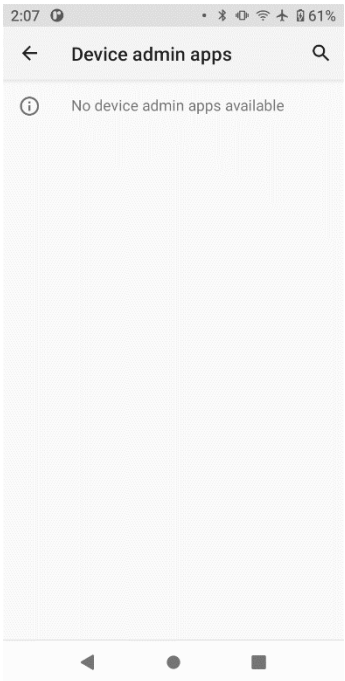


6.10.1.1 Screen Lock Diagram

On this page, you can choose screen lock from the following list:

1) None;
2) Swipe;
3) Pattern;
4) PIN;
5) Password.

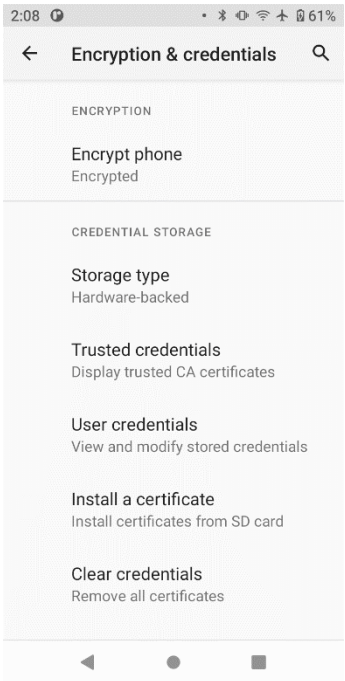
6.10.2 Device Admin Apps



6.10.2.1 Device Admin Apps Diagram

If you have installed available device admin applications, they will show on this page.

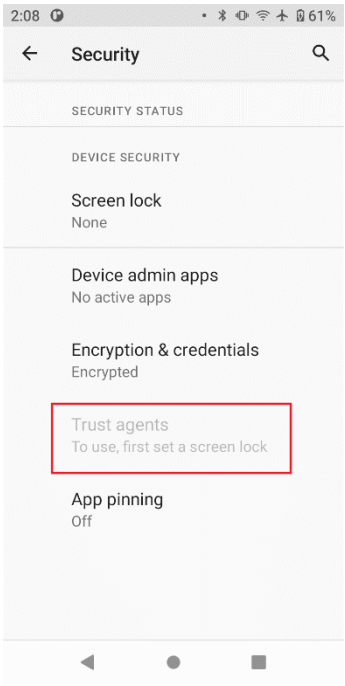
6.10.3 Encryption & Credentials



6.10.3.1 Encryption & Credentials Diagram

On this page, you are able to check whether this device in encrypted and existing credential storage. You can also check, edit, or install certificates.

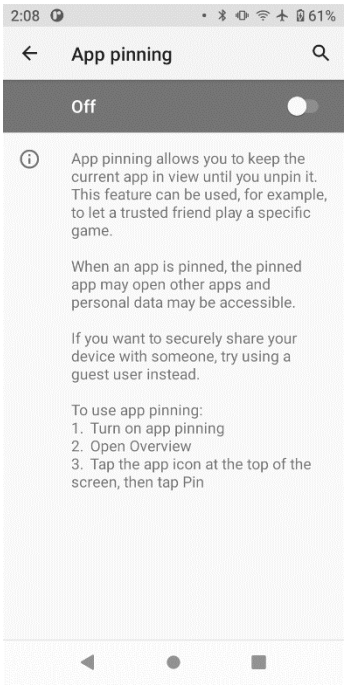
6.10.4 Trust Agents



6.10.4.1 Trust Agents Diagram

You have to first set a screen lock to use trust agents.

6.10.5 App Pinning

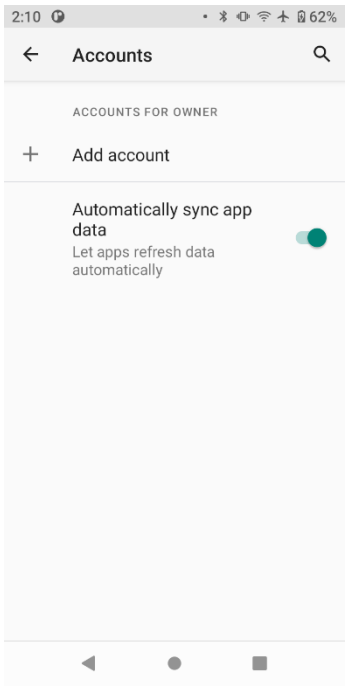


6.10.5.1 App Pinning Diagram

Turn on the App Pinning feature, you can pin the current app until it is unpinned. For example, you can use this feature to let trusted friends use an app. Pinning an app can open other apps and access your personal data, so be sure to only turn on pinned apps for people you trust.

Please note that this function is different from the screen master app function in Device Control.

6.11 Accounts

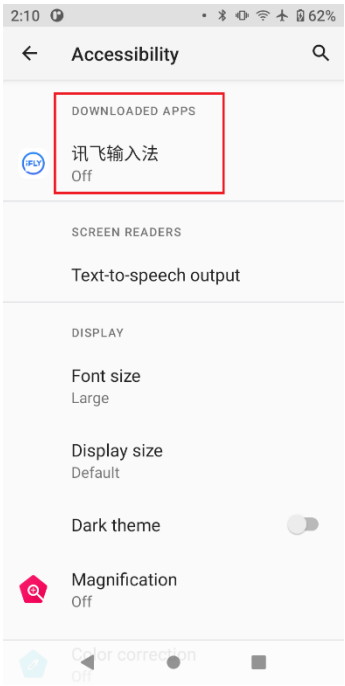


6.11.1 Accounts Diagram

You can add accounts on this page. You are also able to turn on or off automatic syncing of app data.

6.12 Accessibility

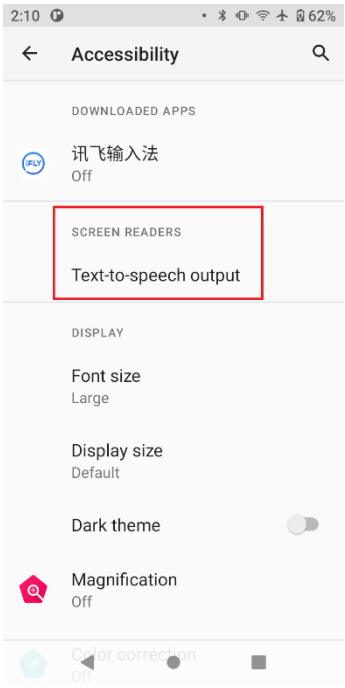
6.12.1 Downloaded Apps



6.12.1.1 Downloaded Apps Diagram

On this page, your installed accessibility apps will appear in the list. You can click the application in the list to enter the detailed setting page.

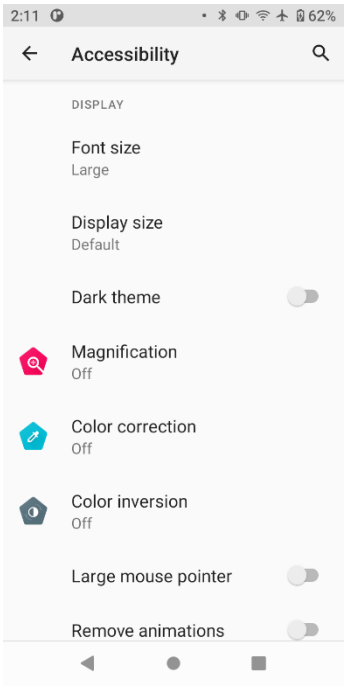
6.12.2 Screen Reader



6.12.2.1 Screen Reader Diagram

On this page, the applications you installed that support screen reading will appear in the list. Such as text-to-speech (TTS) output function. You can click the function in the list to enter the detailed setting page.

6.12.3 Display

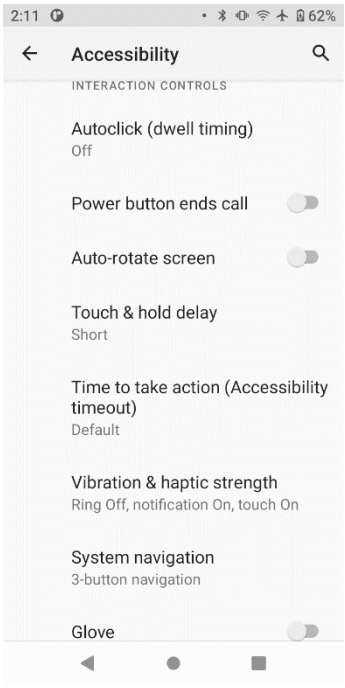


6.12.3.1 Display Diagram

On this page, you can set the font size and display size displayed by the device, as well as turn on or off the dark theme, zoom function, color correction, color inversion, large mouse pointer, and whether to remove animation or not.

Some options can also be set in the location mentioned in 6.5 Display.

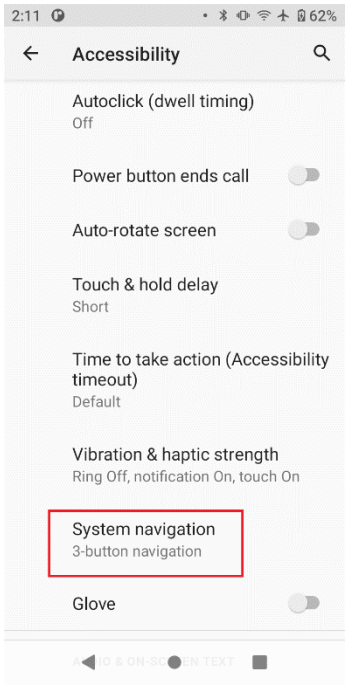
6.12.4 Interaction Controls

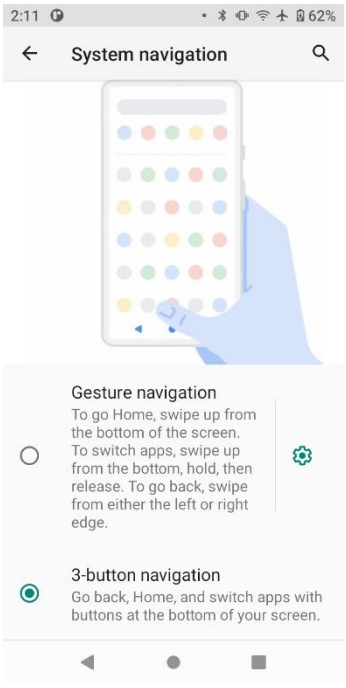


6.12.4.1.1 Interaction Controls Diagram

On this page, you can set up some interactive project functions. Such as the dwell time of automatic clicks, whether to press the power button to end a call, whether to automatically rotate the screen, the delay time of touch and hold functions, the duration of waiting for operations, and the intensity of vibration and touch.

6.12.4.1 Gesture Navigation





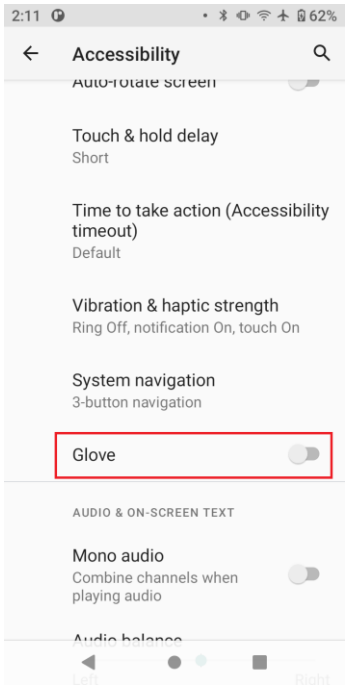
6.12.4.1.2 Gesture Navigation Diagram

6.12.4.1.3 Gesture Navigation Details Diagram

If you need to set up gesture navigation instead of the virtual buttons at the bottom of the screen, you can do so here. If you have already set up gesture navigation, to go Home, swipe up from the bottom of the screen. To switch apps, swipe up from the bottom, hold, then release. To go back, swipe from either the left or right edge.

Note that the three virtual buttons at the bottom of the screen (Back, Home, Task) will disappear if you have gesture navigation enabled. If you need to use the virtual keys at the bottom of the screen, switch from gesture navigation to "three-button" navigation.

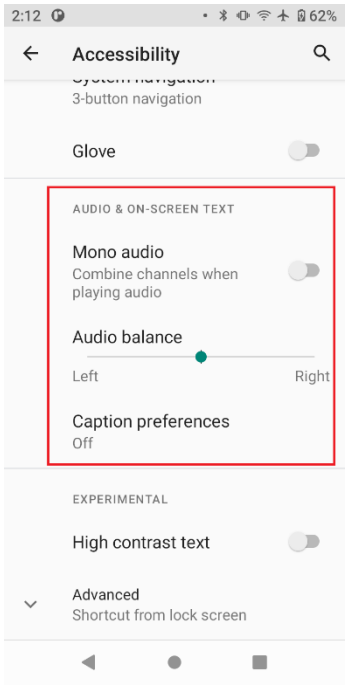
6.12.4.2 Glove Mode



6.12.4.2.1 Glove Mode Diagram

Glove mode can also be set on this page.

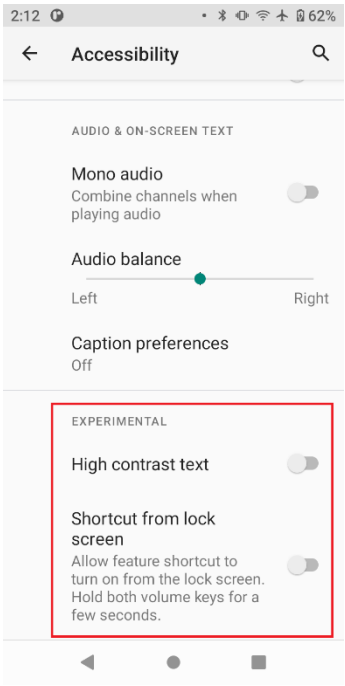
6.12.5 Audio & On-Screen Text



6.12.5.1 Audio & On-Screen Text Diagram

On this page, you can set whether to combine channels when playing audio, adjust the audio balance of the left and right channels, and set subtitle preferences.

6.12.6 Experimental



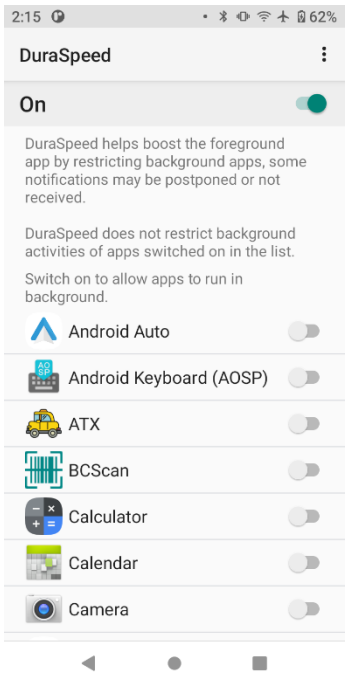
6.12.6.1 Experimental Diagram

On this page, you can turn on the high-contrast text option to make the text stand out more.

6.13 Digital Wellbeing & Parental Controls

On this page, you can set device usage time, app timers, bedtime schedules in this item.

6.14 DuraSpeed



6.14.1 DuraSpeed Diagram

On this page, you can enable DuraSpeed, DuraSpeed speeds up the speed of foreground apps by suppressing the activities of background apps, but it may cause some background apps to fail to receive notifications normally.

Turn on the app switch in the list, you will not be restricted by DuraSpeed and allow the app to run in the background.

6.15 System

6.15.1 Languages & Input

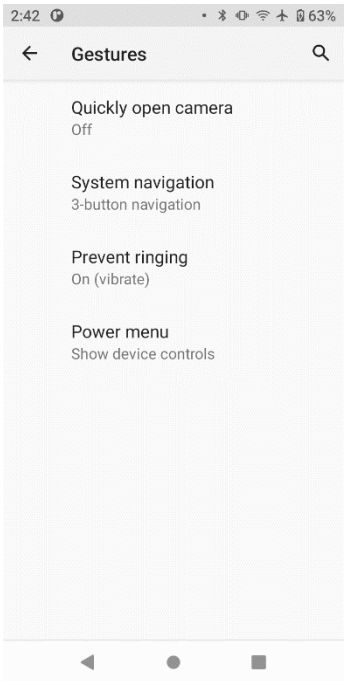
6.15.1.1 Languages & Input Settings Diagram

On this page, you can change the system language and input keyboard.

6.15.1.2 Change System Language Flow Diagrams

The specific way to change the system language is: take Simplified Chinese as an example, enter the language, select Add Language, choose language (Simplified Chinese), select the region (China), and then drag it to the most above.

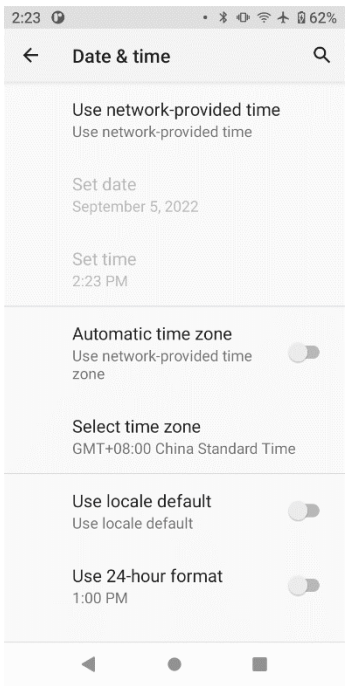
6.15.2 Gestures

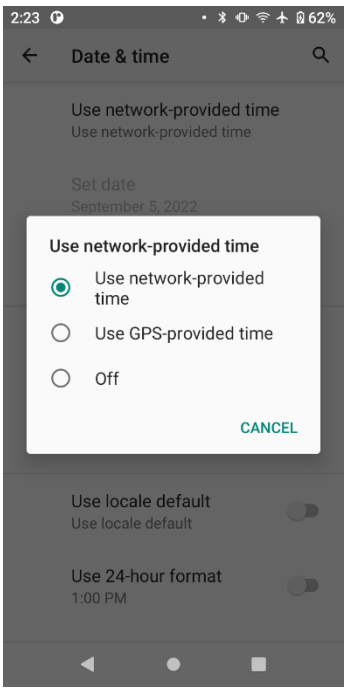


6.15.2.1 Gestures Diagram

On this page, you can use gestures to quickly open the camera, system navigation, block the ringer, open the system menu.

6.15.3 Date & Time

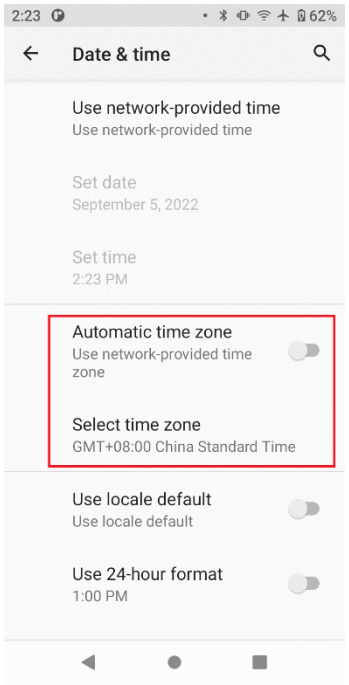


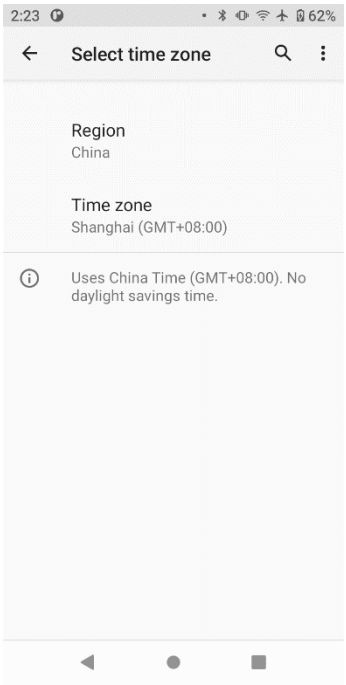


6.15.3.1.1 Date & Time Diagram 6.15.3.1.2 Use Network-Provided Time Diagram

On this page, you can set the date and time of the device.

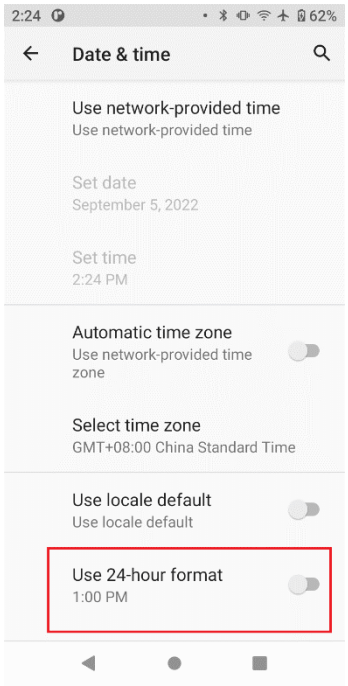
You can use the network to provide the time or use the GPS to provide the time, or turn off the automatic time setting, and then manually set the date and time.





6.15.3.1.3 Time Zone Diagram 6.15.3.1.4 Select Time Zone Manually Diagram

You can also set the time zone manually or use the time zone provided by the network.



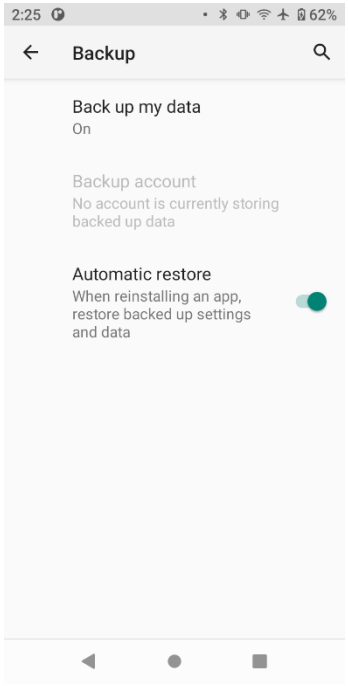
6.15.3.1.5 Use 24-hour Format Diagram

You can also set whether to use the 24-hour clock on this page.

6.15.3.1 NTP Server

If you need to use the specified NTP server for time calibration, you can refer to the procedure in 7.4.5.

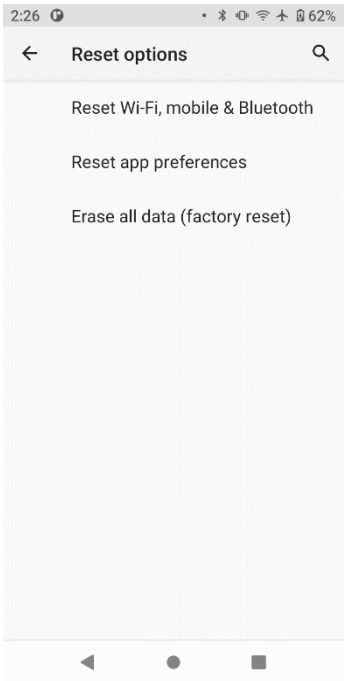
6.15.4 Backup



6.15.4.1 Backup Diagram

You can enable backup data in this project to back up application data, Wi-Fi passwords and other settings to Google servers. You need to set up your Google account in 6.11 Accounts before you can backup.

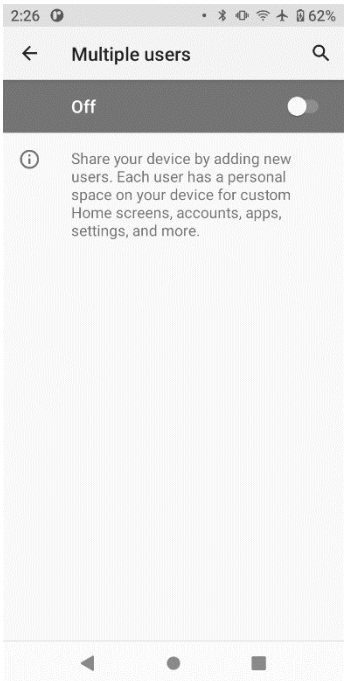
6.15.5 Reset Options



6.15.5.1 Reset Options Diagram

On this page you can reset Wi-Fi, mobile data and Bluetooth settings; or reset app preferences; or clear all data (factory reset). Before restoring to factory settings, please save your data in the device in advance, they will be cleared after restoring to factory settings.

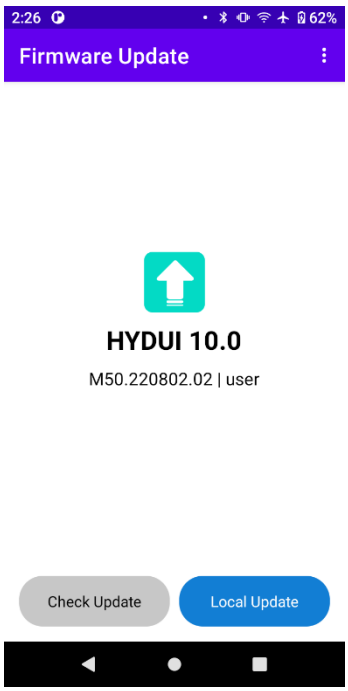
6.15.6 Multiple Users



6.15.6.1 Multiple Users Diagram

You can share your device by adding new users after enabling multi-user on this page. Every user will have a personal space on your device to use a customized home screen, accounts, apps, settings, and more.

6.15.7 Firmware Update

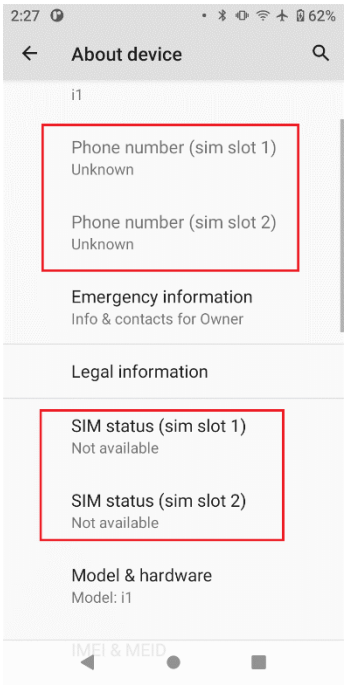


6.15.7.1 Firmware Update Diagram

On this page, you can check for updates to perform OTA updates online or from local files.
Please contact the MINDEO's developers or after-sales for specific update version for details.
After the upgrade is pushed by MINDEO, the device notification bar will show a notification that the new system version has been detected. You can also click Check for Updates on this page to check manually. Then please follow the pop-up guide to complete the firmware upgrade.

6.16 About Device

6.16.1 Phone Number & SIM Status

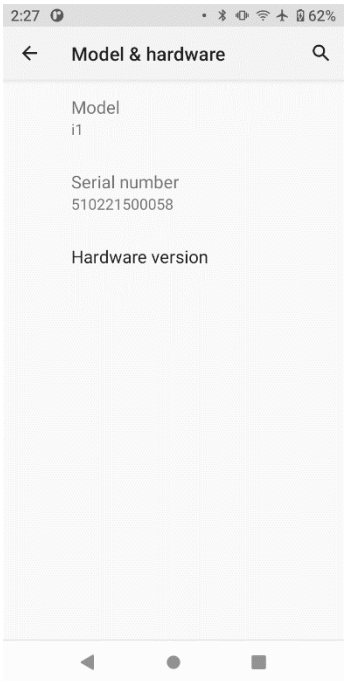


6.16.1.1 Phone Number & SIMS Status Diagram

This page shows the phone number and SIM card status of the SIM cards in the SIM card slot 1 and SIM card slot 2 of the device.

Some SIM cards may not be able to get the status.

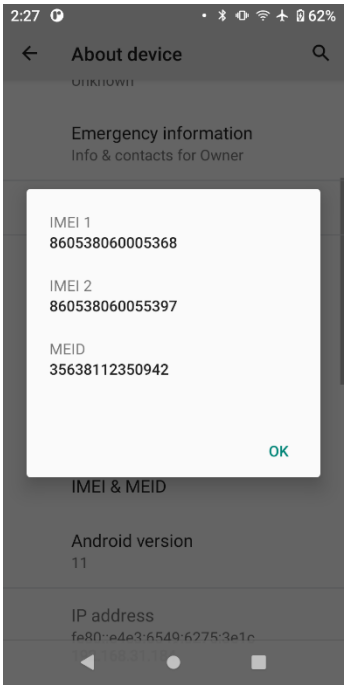
6.16.2 Model & Hardware



6.16.2.1 Model & Hardware Diagram

On this page, you can check the device model, serial number and hardware version.

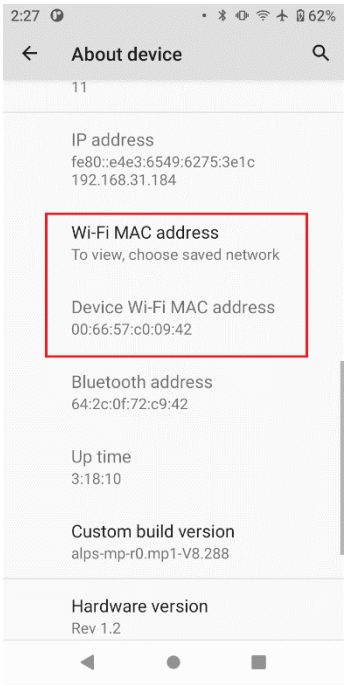
6.16.3 IMEI & MEID



6.13.3.1 IMEI&MEID Diagram

On this page, you can view the IMEI1, IMEI2, and MEID numbers of the device. This number is attached to the device when it leaves the factory and cannot be changed.

6.16.4 Wi-Fi MAC Address

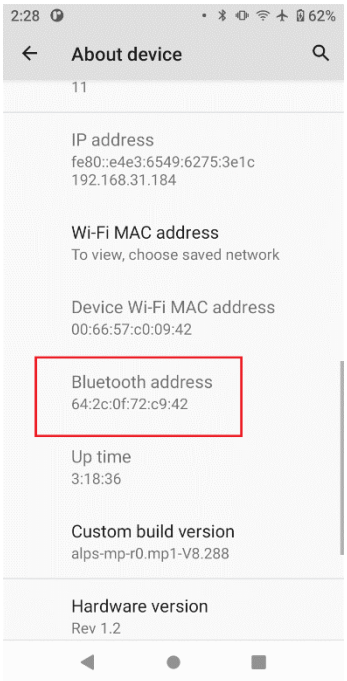


6.16.4.1 Wi-Fi Mac Address Diagram

On this page, you can view the IP address, Wi-Fi MAC address of the device in the current network, and the Wi-Fi MAC address of the device attached to the device.

If you need to modify the privacy settings in the saved network, such as changing from using a random MAC address (default) to using the device MAC address, you can follow the process below: Click the Wi-Fi MAC address in About Device to enter the list of saved networks; then select the saved network for which you need to modify the privacy settings; click Advanced to expand more items; click the Privacy item, and then select Use Device MAC Address.

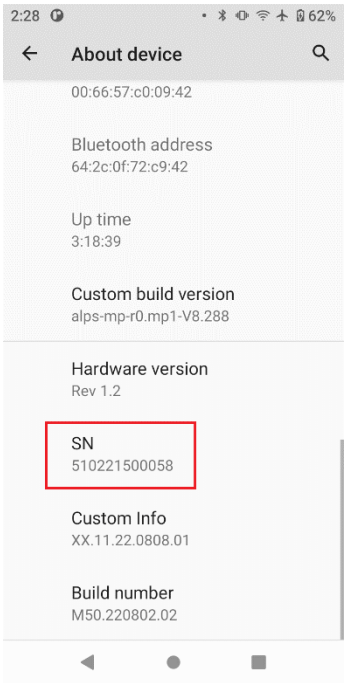
6.16.5 Bluetooth Address



6.16.5.1 Bluetooth Address Diagram

On this page, you can check the Bluetooth address that came with the device from the factory.

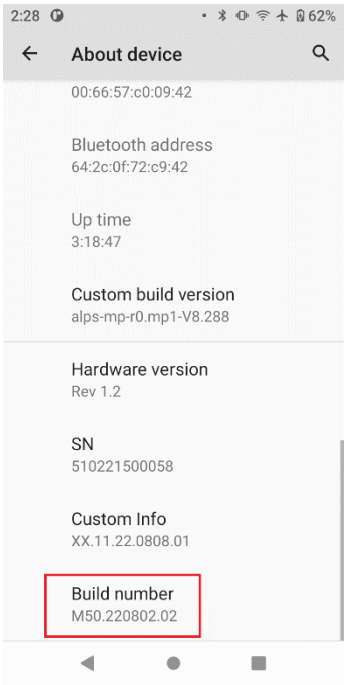
6.16.6 SN



6.16.6.1 SN Diagram

On this page, you can check the SN number of the device. If you need to upgrade the system remotely, please provide the SN number of the device to be upgraded to the developers of MINDEO, and then the remote upgrade will be pushed.

6.16.7 Build Number



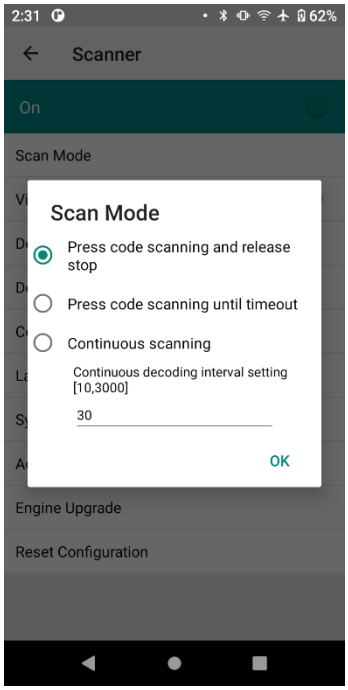
6.16.7.1 Build Number Diagram

On this page, you can check the current system version number of the device.

7 Enterprise Settings

7.1 Scanner Settings

7.1.1 Scan Mode



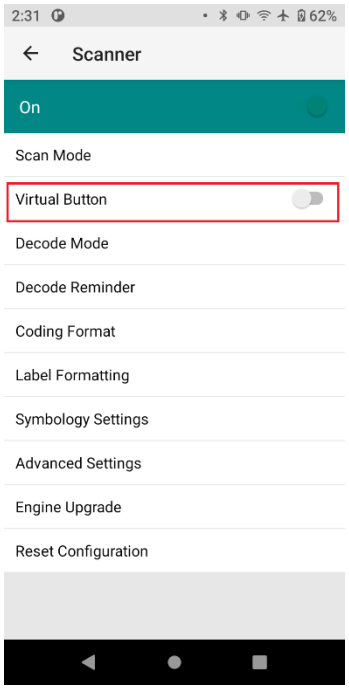
7.1.1.1 Scan Mode Diagram

You can choose from the following three scanning modes:

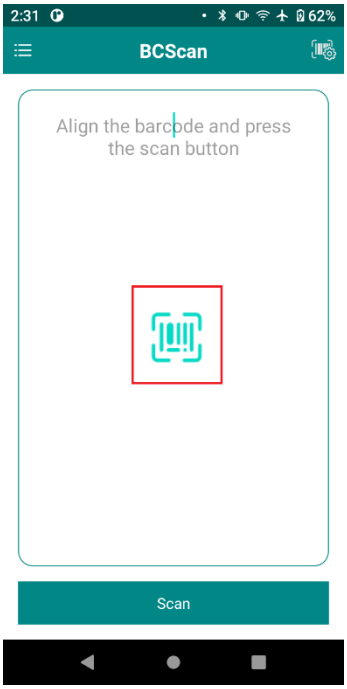
1) If you choose this option, the scanning will start when you press the scan button, and the scanning will stop when you release the scan button.
2) If you choose this option, the scanning will start when you press the scan button, and it will automatically stop when it is timeout.
3) If you choose this option, the scanning will start when you press the scan button, and it will stop when you press the scan button again.

If you set the scanning mode to continuous decoding, you can set the continuous scanning interval in the text box below, ranging from 10 milliseconds to 3000 milliseconds.

7.1.2 Virtual Button



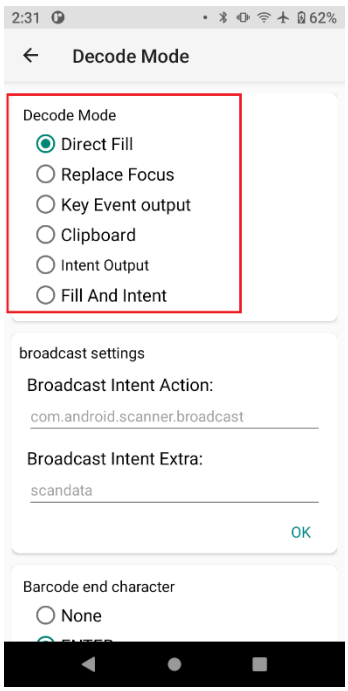
7.1.2.1 Virtual Button Setting Diagram



7.1.2.2 Virtual Button Diagram

When the Virtual Button is turned on, a draggable virtual button will appear on the screen, and its function is the same as the physical scan button on both sides of the device.

7.1.3 Decode Mode



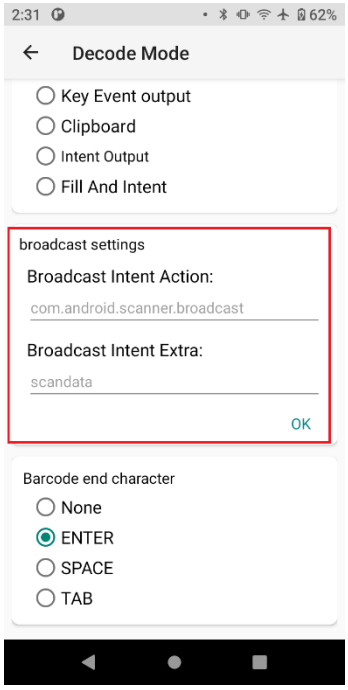
7.1.3.1.1 Decode Mode Diagram

You can choose from the following six decoding modes:

1) Direct Fill
2) Replace Focus
3) Key Event Output
4) Clipboard
5) Intent Output
6) Fill and Intent

1) When you choose this option, the scanning result will directly fill the textbox which you are focusing.
2) When you choose this option, the scanning result will directly replace content in the textbox which you are focusing.
3) When you choose this option, the scanning result will simulate typing to the textbox which you are focusing.
4) When you choose this option, the scanning result will be stored to the clipboard.
5) When you choose this option, the scanning result will be sent by Android broadcast. Specific broadcast settings can be checked in 7.1.3.1 Broadcast Settings.
6) When you choose this option, the scanning result will directly fill the textbox which you are focusing and be sent by Android broadcast. Specific broadcast settings can be checked in 7.1.3.1 Broadcast Settings.

7.1.3.1 Broadcast Settings

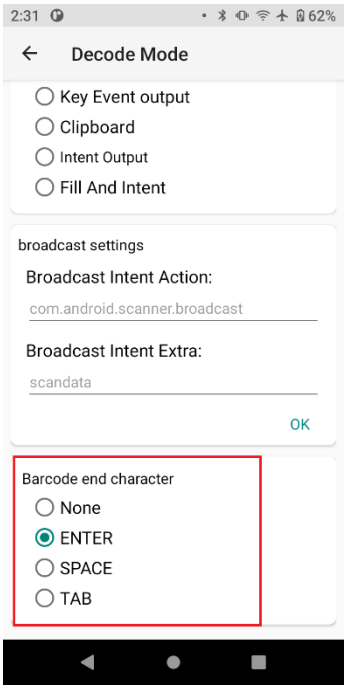


7.1.3.1.2 Broadcast Settings Diagram

On this page, you can set the scanning result to be output by broadcasting. If your application is set to receive the broadcast of the specified name, you can fill in the broadcast name in the broadcast output Action item.

For the specific way to set broadcast, please refer to MINDEO's "Scanning Service Interface Definition" document.

7.1.3.2 Barcode End Character



7.1.3.2.1 Barcode End Character Diagram

You can choose from the following four barcode terminators:

1) None;
2) Enter;
3) Space;
4) Tap.

The barcode end character you selected will be appended to the scan result and displayed at the position you specified in the decoding mode.

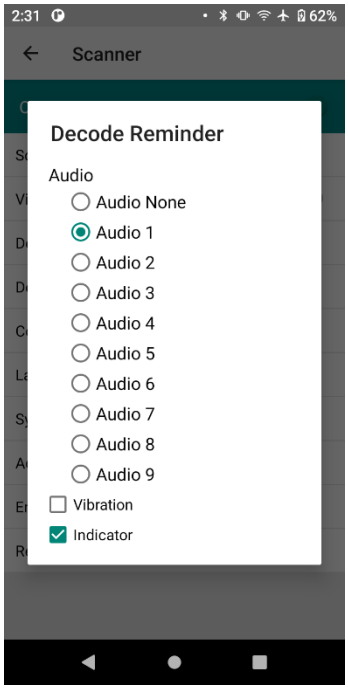
1) When you select “None” as barcode ending character, nothing will be appended to the scanning result.

2) When you select “Enter” as barcode ending character, a newline character will be appended to the scanning result. The newline character is equivalent to pressing “Enter” button in the keyboard.

3) When you select “Space” as barcode ending character, a Space character will be appended to the scanning result. The Space character is equivalent to pressing “Space” button in the keyboard.

4) When you select “Tap” as barcode ending character, a Tap character will be appended to the scanning result. The Tap character is equivalent to pressing “Tap” button in the keyboard.

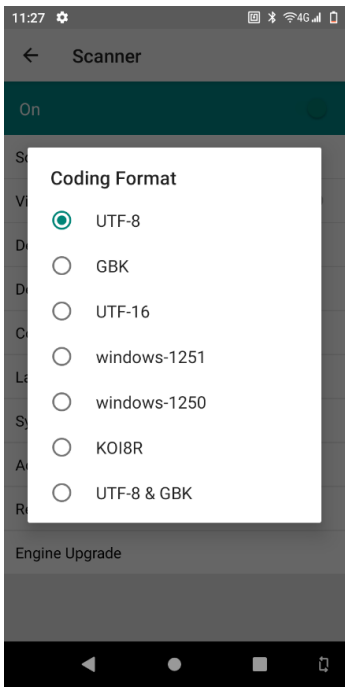
7.1.4 Decode Reminder



7.1.4.1 Decode Reminder Diagram

You can choose the decoding reminder you want to receive from 9 sound effects and mute. On this page, you can also set whether to enable vibration and indicator lights as decoding reminders.

7.1.5 Coding Format



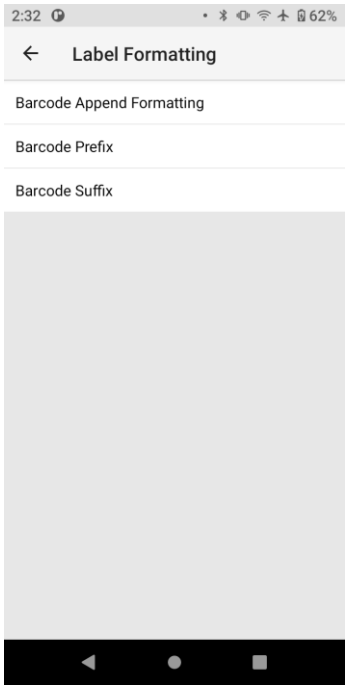
7.1.5.1 Coding Format Diagram

You can choose from the following three encoding formats:

1) UTF-8
2) GBK
3) UTF-16
4) windows-1251
5) windows-1250
6) KOI8R
7) UTF-8 & GBK

When you change this function, the coding format of scanning result will be changed to the option you select. If you get garbled characters when scan some barcodes (for example, the result contains Chinese characters), in many cases, it is resulted by the encoding forma. Please try to modify the encoding format to GBK or other encoding formats.

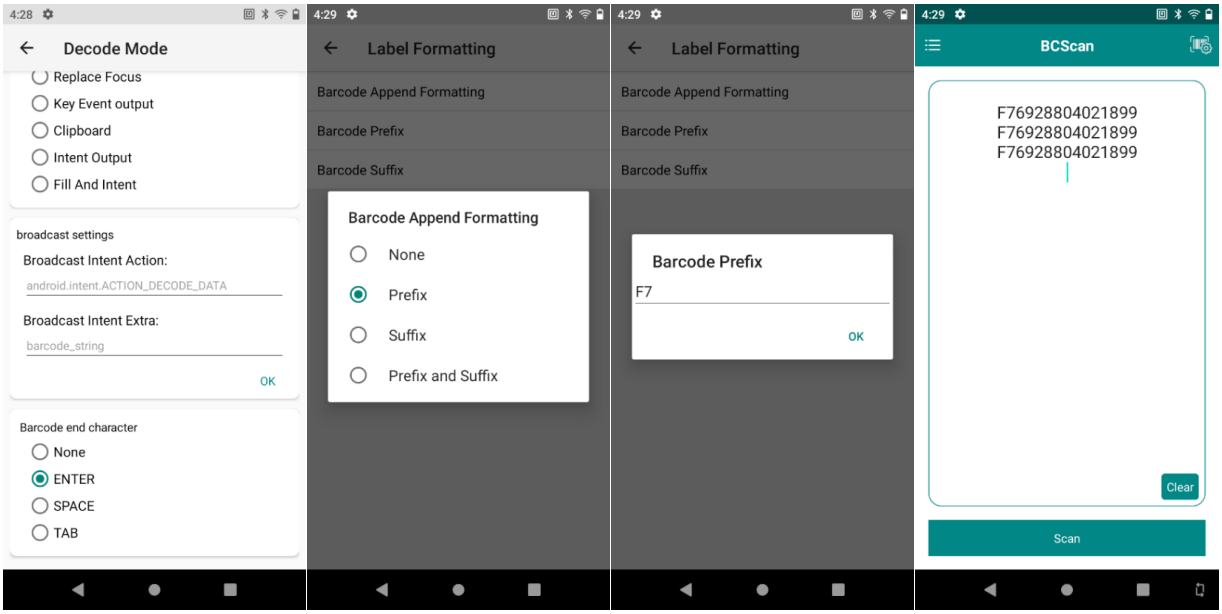
7.1.6 Label Formatting



7.1.6.1 Label Formatting Diagram

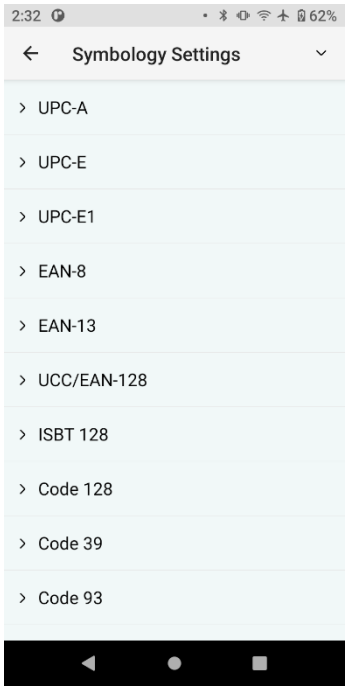
On this page, you can perform additional processing on the barcode in the scanning result, you can add barcode prefix, barcode suffix or add barcode prefix and barcode suffix at the same time.

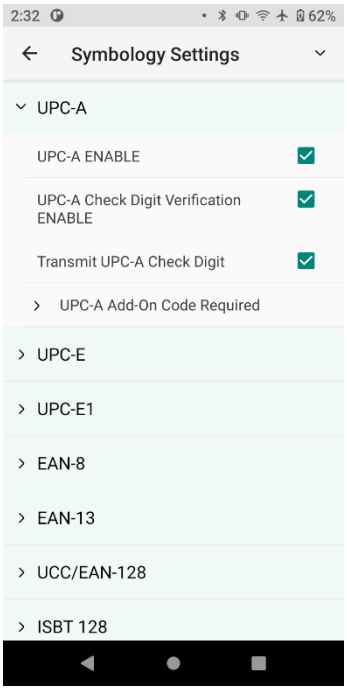
For example, if you want to set suffix “Enter” and prefix “F7”, please follow the procedures below:
1) Set Barcode End Character to “Enter” in Decode Mode page;
2) Set Barcode Append Formatting to “Prefix” in Label Formatting page;
3) Set Barcode Prefix to “F7” in Label Formatting page.



7.1.6.2 Label Formatting Settings Procedures Diagram

7.1.7 Symbology Settings



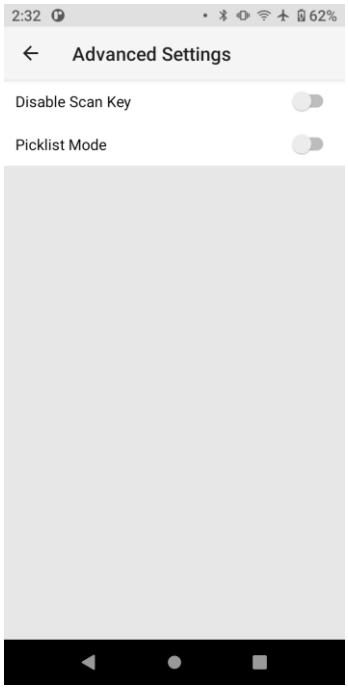


7.1.7.1 Symbology Settings Diagram

7.1.7.2 Symbology Detail Settings Diagram

On this page, you can enable or disable the reading of the specified symbology, and you can also change detailed settings such as length, whether to pass the check digit, whether to invert, whether to invert the color, etc.

7.1.8 Advanced Settings



7.1.8.1 Advanced Settings Diagram

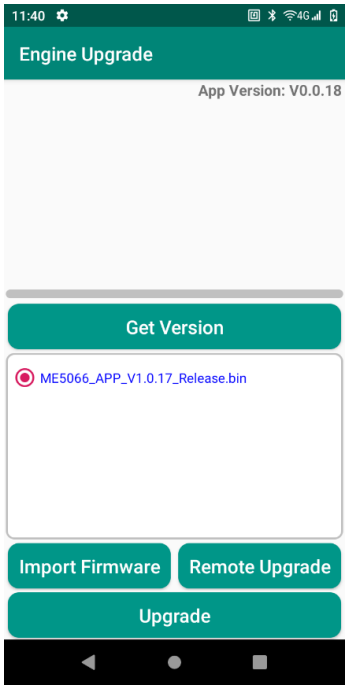
On this page, you can enable or disable scan button and laser aiming mode.

After the laser aiming is turned on, only the barcodes scanned by the laser aiming will be decoded.

1) When you enable this option, the Scan Key of device will be disabled.

2) When you enable this option, the Scanner will be changed to Picklist Mode, which allows you to scan particular barcode surrounded by other barcodes.

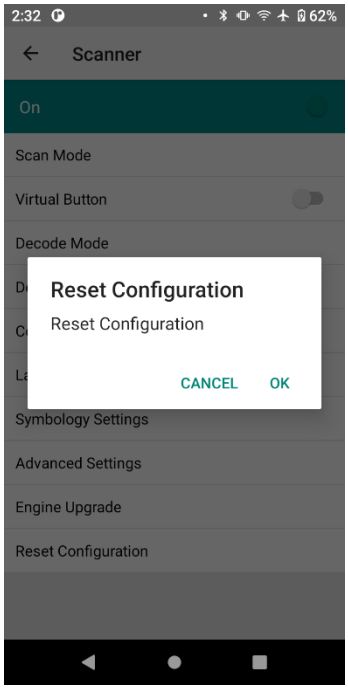
7.1.9 Engine Upgrade



7.1.9.1 Engine Upgrade Diagram

Through this function, the firmware of the scanner can be upgraded, please consult MINDEO's developers for details information.

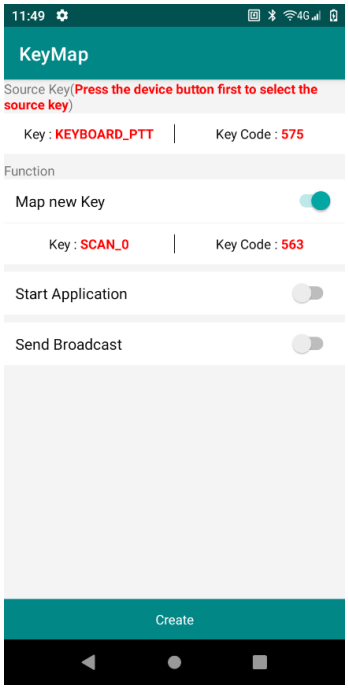
7.1.10 Reset Configuration



7.1.10.1 Reset Configuration Diagram

Click the Reset Configuration item to reset the scanner settings.

7.2 Key Map



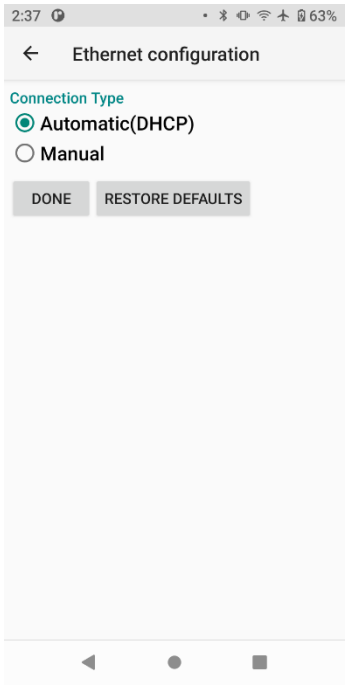
7.2.1 Key Map Diagram

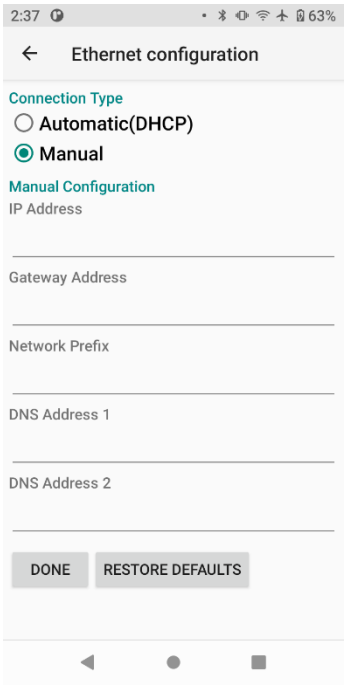
On this page, you can enable and create new key mappings, make physical keys map new keys or launch applications you specify or send broadcasts you specify.

You are able to assign following functions to particular key:
1) Map a new key – Change the function of assigned physical key to the function of another physical button.
2) Start application - Change the function of assigned physical key to open specified application.
3) Send Broadcast - Change the function of assigned physical key to send Android Broadcast.
Detailed information about physical keys can be found in 3 Key Description.

7.3 Expansion Dock

7.3.1 Ethernet Configuration

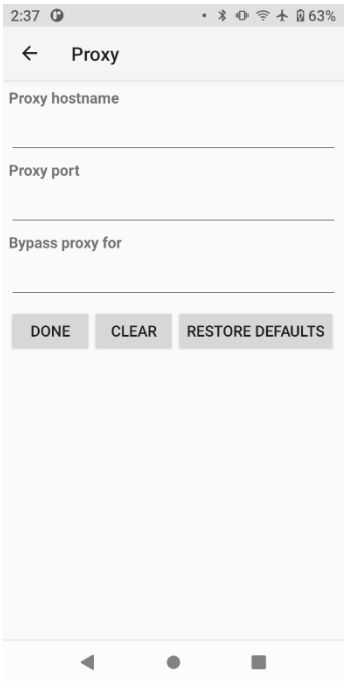




7.3.1.1 Ethernet Automatic Configuration Diagram 7.3.1.2 Ethernet Manual Configuration Diagram

On this page, you can configure the Ethernet of the docking station, set the connection mode to automatic (DHCP) or manually configure the IP address, gateway address, network prefix length and DNS address.

7.3.2 Ethernet Proxy Configuration

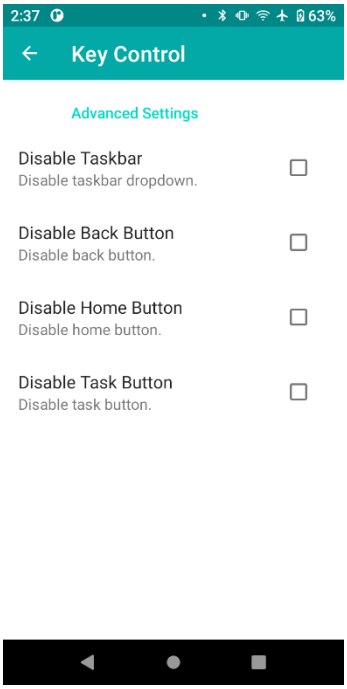


7.3.2.1 Ethernet Proxy Configuration Diagram

This page allows you to change the proxy settings for the docking station Ethernet, configure the proxy hostname, proxy port, and list of websites that do not use a proxy.

7.4 Device Manager

7.4.1 Key Control



7.4.1.1 Key Control Diagram

On this page, you can control the keys of the device, you can enable or disable the following items:

1) Disable taskbar dropdown – If you enable this option, the function of taskbar dropdown will be disabled.

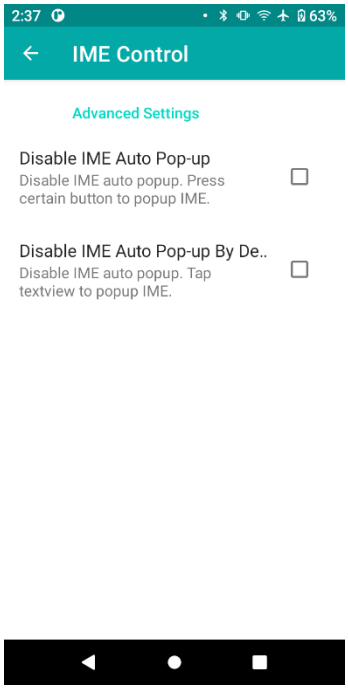
2) Disable back button - If you enable this option, the function of virtual back button will be disabled.

3) Disable home button - If you enable this option, the function of virtual home button will be disabled.

4) Disable task button - If you enable this option, the function of virtual task button will be disabled.

The location of virtual buttons can be checked in 5.1 Home Screen Diagram.

7.4.2 Input Method Control

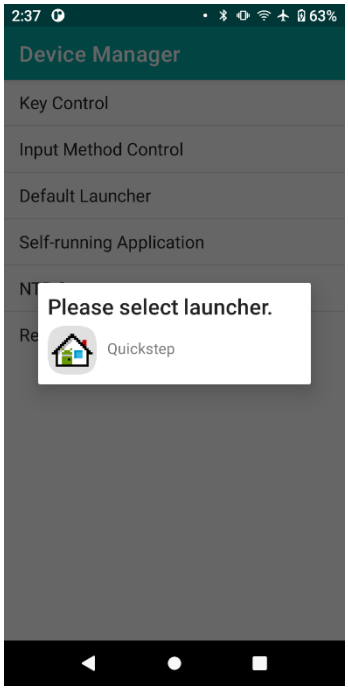


7.4.2.1 Input Method Control Diagram

On this page, you can control the device's input method popup:

1) Disable IME auto popup. Tap text box to popup IME.
2) Disable IME auto popup. Press certain button to popup IME.

7.4.3 Default Launcher

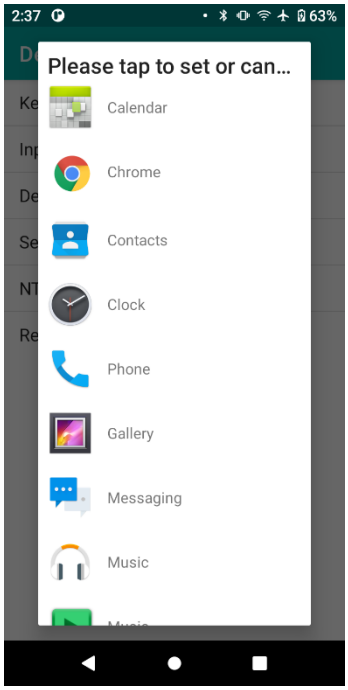


7.4.3.1 Default Launcher Diagram

On this page, you can modify the home screen app in the default application page. If you need to use the desktop control function in your working environment, you can set up your desktop application here. You can also set the default desktop in the location mentioned in 6.3.5.1.

If you need to restore the default home screen app of your Android device, you can set the default launcher as Quickstep here.

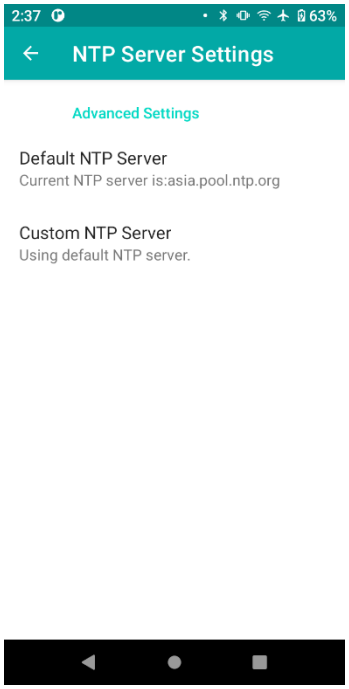
7.4.4 Self-Running Applications



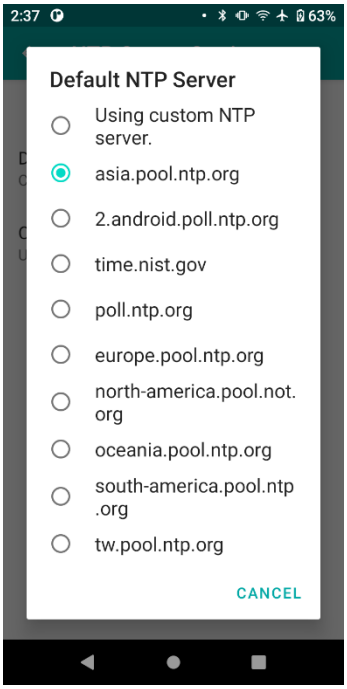
7.4.4.1 Self-Running Applications Diagram

On this page, you can set the self-running applications. Multiple self-running applications can be set. After the device is turned on, the self-running applications you set will be launched in sequence. If you need to cancel the automatic startup of an application, you only need to select the application again in this page.

7.4.5 NTP Server



7.4.5.1 NTP Server Settings Diagram



7.4.5.2 Default NTP Server Diagram

On this page, you can choose from preset NTP servers, or set your own custom NTP server. If you need to synchronize with the specified NTP server in your working environment, please set it here.

8 Troubleshooting

8.1 Boot Problems

1) Please check whether the battery is charged;
2) Please check whether the battery is installed correctly;
3) Use the power adapter to charge for 10 minutes and then try to turn it on;
4) Whether the indicator light is always on, if so, please cold start the device.

8.2 Screen Display Problems

1) Please restart the device if the screen is blurred, white or black. If it doesn't work, please try to restore the factory settings or flashing the machine;

2) If the touch of the screen shifts or cannot be touched, check whether there are foreign objects on the screen, and clean the screen; try turning off and on again, or flashing the machine.

8.3 Scan Problems

1) The light does not recognize the barcode or card:
   A. Reset the scanner;
   B. Use the corresponding output mode;
   C. Restart the device;
   D. Confirm whether the barcode is damaged;
   E. Confirm whether it is in the correct scanning range and distance;
   F. Confirm whether the barcode is a type of barcode that can be recognized by the device.
2) No light or abnormal light:
   A. Reset the scan head or restore the device to factory settings;
   B. Clean the scanning window;

Precautions:
1) Do not look directly at the laser to avoid eye damage;
2) Please keep the scanning window clean and free of dirt;
3) Avoid bumping the scanning head.

8.4 Wi-Fi Connection Problems

1) Check the network signal strength (more than 2 bars are strong enough);
2) First check whether the encryption method is correct, that is, check whether the encryption method of the handheld device and the local network is consistent;
3) Check whether the password is correct;
4) Check whether the network is working;
5) Cancel the network and then reconnect (double-click the network and click Cancel Save to delete the password);

Precautions:
1) While using Wi-Fi, some obstacles (walls, metal and glass doors and windows, etc.) will weaken the Wi-Fi signal;
2) If the router is carrying data excessed its capacity, it will cause disconnection or failure to connect;
3) Broadcast storm and network viruses can also affect Wi-Fi.

8.5 SIM Card & Mobile Data Problems

1) Check the local signal strength;
2) Check whether the SIM card is installed correctly; (note to distinguish it from the SAM card)
3) Check whether the SIM card is in arrears, whether the Internet access function is enabled, and whether the SIM card is damaged (insert the SIM into a mobile phone to test whether it is damaged or in arrears);
4) Check whether the access point is set correctly;
5) Check whether the mobile data port is on;
6) Restart the device.

8.6 Photograph Problems

1) No display: Please check whether the camera lens is blocked; restart the device or flash the machine to eliminate the problem caused by the software;

2) Blurred photos: Check whether the lens is dirty, clean the lens and whether the focus function is turned off, and appropriately adjust the distance and angle while photographing.

8.7 NFC Problems

1) Check whether the NFC card is placed in the swiping area;

2) The best card reading distance is within 5cm, and do not read the card too fast (because the RF card needs a stable field strength power supply during the power-on reading and writing process, otherwise it is easy to fail);

3) Whether there are two or more NFC cards near the card reading area at the same time;

4) Whether the battery power is too low. If the power is lower than 10%, the reading may fail.

9 Appendix: Battery Maintenance Tips

To maximize your battery life, please follow these recommendations:

1) Reduce the number of times of charging and discharging the battery. Try to charge when the system prompts the battery is low; prevent excessive discharge in daily use. When the system prompts that the battery is low, charge it immediately. Excessive discharge will seriously damage battery life.

2) Prevent overcharging in daily use. Stop charging when the battery level reaches more than 99% while charging. While using the cradle charger, please calculate the charging time, the general charging time is 3-4 hours; prevent putting the fully charged battery into the charger again. Overcharging can seriously damage battery life.

3) Fully charge and discharge the battery when using a new battery and every 3 months.

4) When the battery will not be used for a long time, please take it out of the device and keep the battery at about 50%.

If the above operations still not solve the problem, you can call the after-sales service.