Enterprise Tablet

P8100

User Guide



Urovo Technology Co., Ltd.

Note:

* This Guide introduced general functions of P8100. Your PDA device may have different functions wherein or description.

* There may be differences between the illustrations in this Guide and the actual product. And the actual product shall prevail.

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- *User or any third party delegated fails to transport or store the battery in the correct way specified in this Guide;*
- *The battery used by the user is not purchased from any official channel of Urovo;*

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About the Guide

Introduction

This Guide offers information on usage of P8100 mobile computer and its accessories.

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

Software version

To determine the software version of the current device, please touch **Settings -System-About Phone**.

Android Version——display operating system version

Version No.——display software build version number.

Chapter description

This Guide covers the following topics:

- **Getting Started** offers information on putting P8100 into operation for the first time.
- **Device Setting** describes each setting of P8100.
- **Applications** describes usage of built-in apps.
- **Accessories** describes information on standard and optional parts.

Sign convention

The following convention applies in the text:

Bold:

Emphasis

Title

Dialog box, window, part name, and screen icon

Keyword

Button name

（●）：

Operational option

Order list

Step list needed, which may not be continuous

（√）：

Functional option

Italic:

Marked emphasis

Relevant Document

- Quick Start Guide for P8100 Handheld Intelligent Terminal
- P8100 Brochure
- P8100 Specification

For the latest edition of this Guide and all the other guides, please visit: http://www.urovo.com

Service information

You can visit the official website (enurovo.com) of Urovo Technology Co., Ltd. (hereinafter referred to as Urovo) whenever possible to gain quick network support services:

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

Please offer the following information while contacting the Support Center:

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

Thanks for your cooperation!

Provision of document feedback

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

Chapter 1 Getting Started

Introduction

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

1.1 Unpacking

1 . Please carefully remove all the protective materials around P8100 and keep the device case for storing and transporting the device in the future.

2. Please check the following elements:

- P8100 intelligent terminal×1
- Adapter×1
- USB cable×1
- Quick start guide×1

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

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

1.2 Appearance

1.2.1 Front Side



Figure 1- 1 Front View

1.2.2 Side

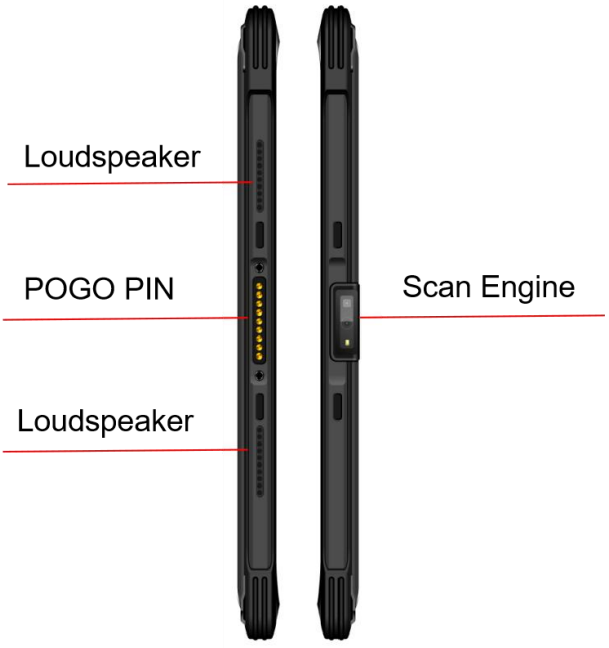


Figure 1- 2 Top and Bottom Views

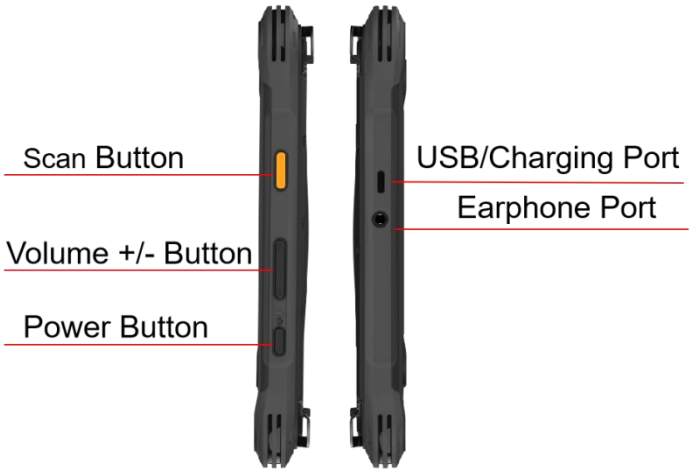


Figure 1- 3 Left & Right-Side Views

1.2.3 Back Side

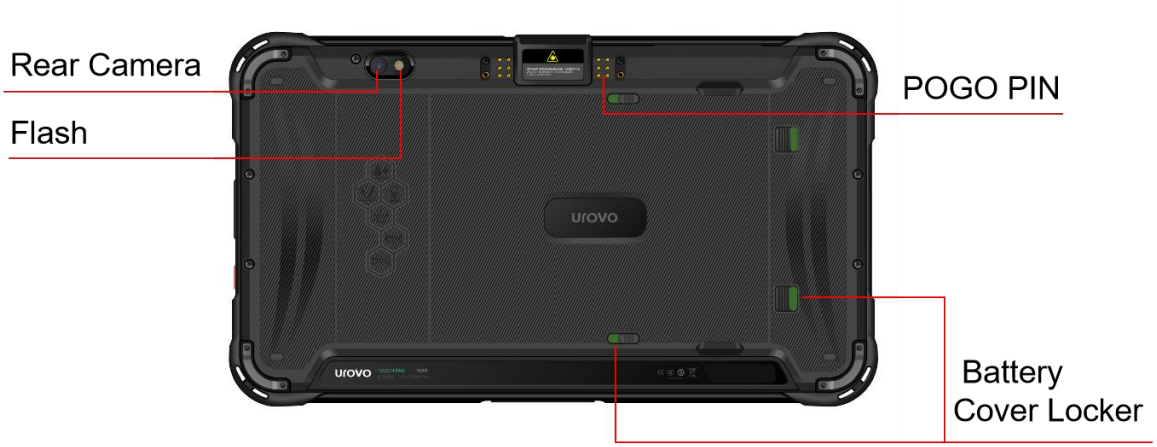


Figure 1-4 Back View

1.3 Installation Guide

1.3.1 Instruction of battery

While installing the battery, please note the direction of installing the battery. Load the front end of the battery in the device's battery slot and push the bottom of the battery into the device. Please do not push the battery into the device with force. The installed battery in the battery holder should be flat and secure.

Battery Installation

1 Install the battery in the direction as show.

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

NOTE: Overexertion should be avoid when installing or removing the battery.

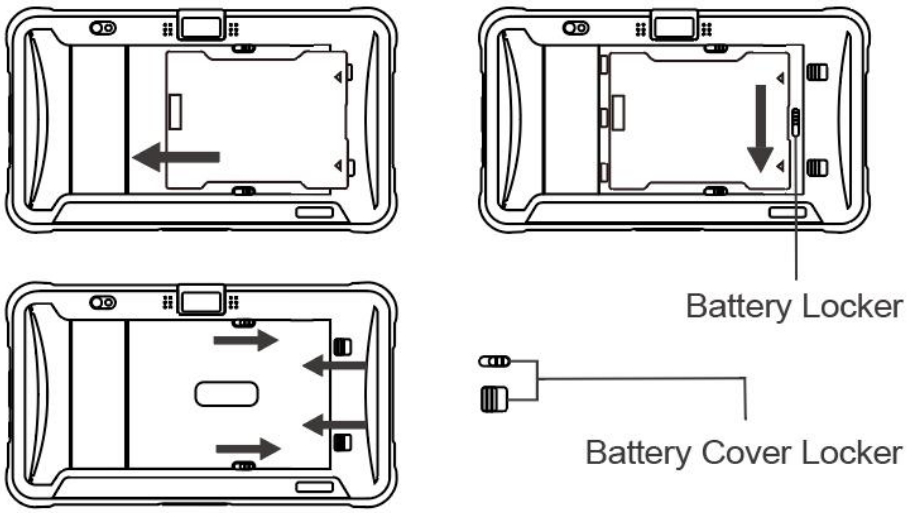


Figure 1-5 Battery Installation

After installing the battery cover, turn the battery cover fastener to the lock position.

1.3.2 Instruction of battery replacement

1. Long press the power key and a dialog box will pop up;
2. Select power-off;
3. Upon power-off, turn the battery cover fastener to the open position and remove the battery cover;
4. Lift the battery from its tail end to remove and replace the battery with a new one.

1.3.3 Instruction on SIM/TF Card replacement

1. Long press the power key and a dialog box will pop up;
2. Select power-off;
3. Upon power-off, turn the battery cover fastener to the open position and remove the battery cover;
4. Lift the battery from its tail end to remove the battery;
5. Manually pull out the SIM/TF Card holder in the left of the shell to remove the SIM/TF Card;
6. Push a new SIM/TF Card into the holder to replace the former one. A slight click will indicate that the installation is completed.

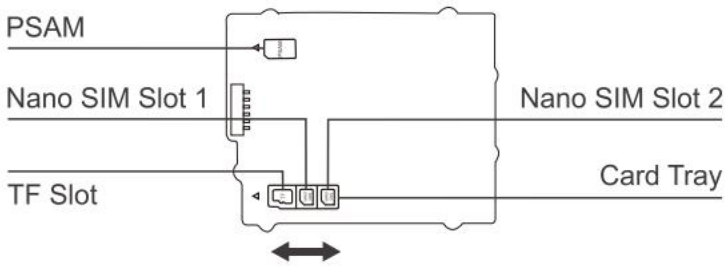


Figure 1-6 P8100 Card Slot

1.4 Caution on Battery Charging

1. To charge the mobile device battery, the battery and charger temperatures must be between 0℃ and +40℃;

2. Please charge the battery by the product's charger in standard configuration or desktop charger only;

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 (i.e., 3.8V～3.9V);

5. The lithium battery should be stored somewhere cool, dry and ventilated. It is advised to be stored in a 0～28℃ environment.

1.5 Charging Method

1.5.1 Charge by USB

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.



Figure 1- 7 Type-C USB Cable

1.5.2 Charge by Single Charging Cradle

Single charging cradle support charge the device and a standby battery at the same time.



Figure 1- 8 Power Adapter to Desktop Charger

1. Connect the DC interface of the base to the power adapter;

2. Load the front end of the battery into the battery slot and push the bottom of the battery into the battery slot to complete battery installation.

3. Put the device in the body slot of the base. And in this case, If the device indicator is on red, charging is underway.

1.6 Battery Optimization

Please follow the tips below to save the battery power:

- Clear the background of all apps to enter the power-saving mode
- In Settings-Automatic On/Off, set P8100 to automatically power on/off.
- Reduce screen brightness.
- Turn off all the wireless connections not used for the moment. Touch the airplane mode. The airplane icon will be shown in the status bar, indicating that all the wireless connections are off.
- Turn off automatic updates of e-mail, calendar, contacts and other apps.

1.7 Usage of Touchscreen

Use the multi-touch-sensitive screen to operate the device.

- **Light touch:**

  Select any screen option;

Enter letters and signs in the screen keyboard;

Press any screen button.

- **Light touch press and hold:**

Create a home screen shortcut for a certain App;

Open the home screen menu for user-defined home screen settings;

Blank out the home screen till the menu is seen;

Drag - light touch, press for a short time and hold a certain option, and finger the option in the screen to a new position.

- **Slide:**

Slide up/down or left/right in the app center interface to browse different app icons;

Slide in the lock-screen interface to set the unlocking pattern to unlock the screen.

- **Long press:**

Long press the home screen to call the MENU function;

Drag any app or tool shortcut.

Chapter 2 Device settings

2.1 Access device settings

Method 1

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

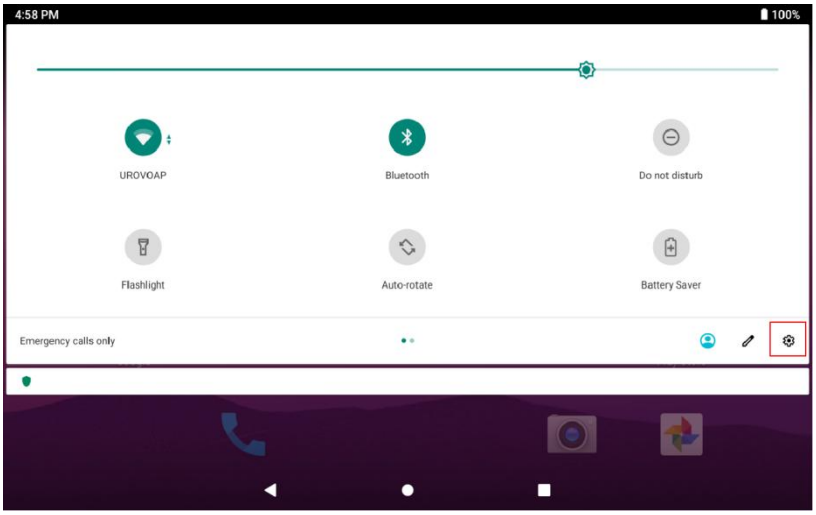


Figure 2- 1 Quick access panel

Method 2

1. In the home screen, pull up the screen to enter the app center interface;
2. Tap the settings icon.

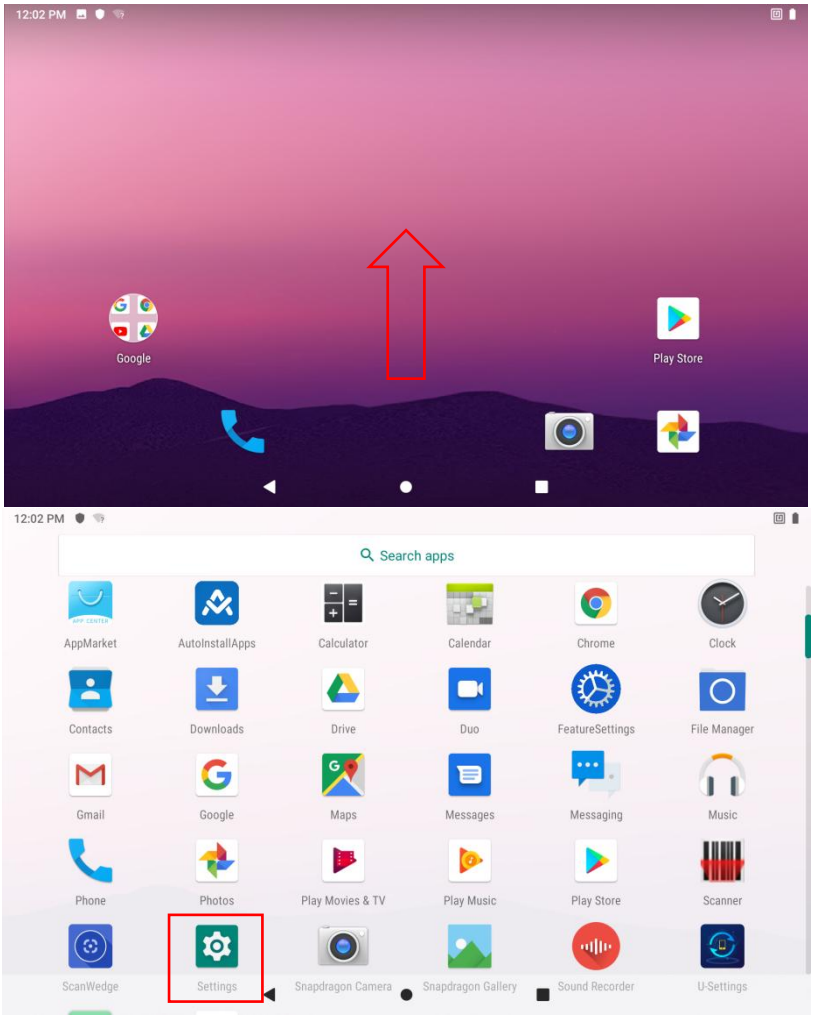


Figure 2- 2 Enter App Center from main interface

2.2 WLAN

To enable the WLAN function, please operate as following:

After the wireless function is enabled, P8100 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. Open "**Settings-Network & internet**" or pull down the status bar to enter the quick access panel for operation;
2. Tap **Wi-Fi**, then turn on **Use Wi-Fi** switch, touch to select the network you will connect to;

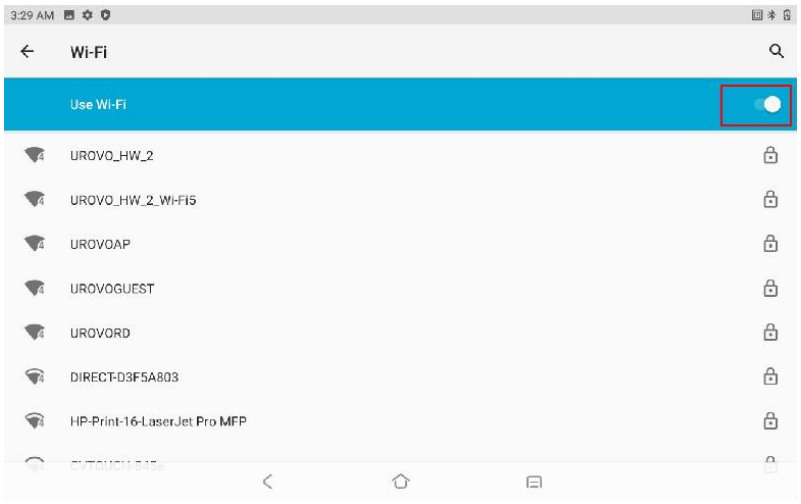


Figure 2- 3 Wi-Fi Option Bar

3. Enter the password and tap "**CONNECT**";

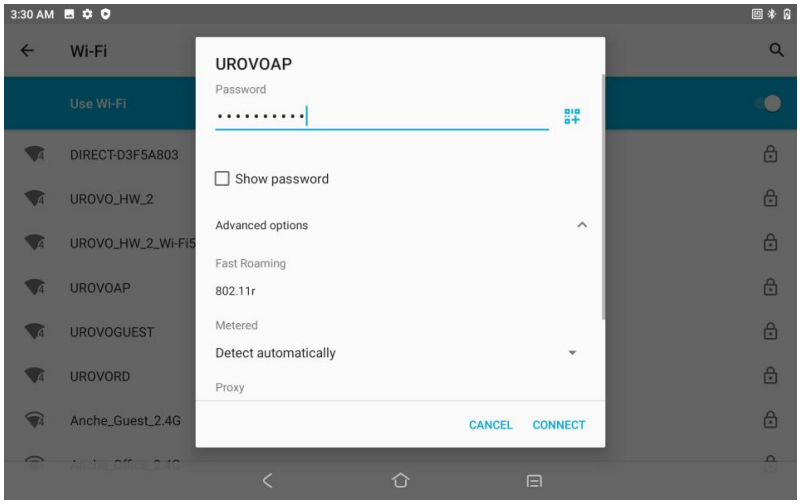


Figure 2- 4 Wi-Fi Password and Settings Input Box

- Check **Show password** to display the password to check whether the password input is wrong;
- **Check Advanced options** for advanced settings, including proxy and IP settings.

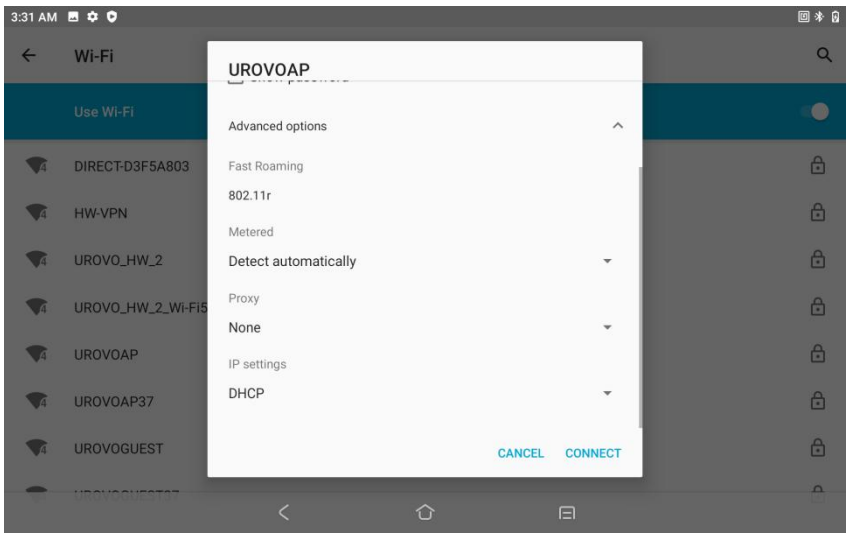
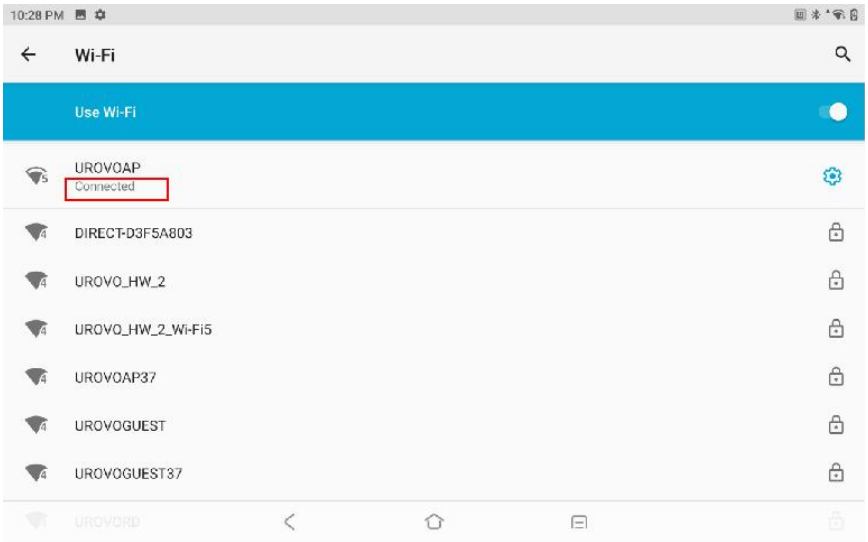


Figure 2- 5 Wi-Fi Static IP Settings

4. Check whether connection is done: 'Connected' indicates that connection is done, click the network to view the network details;



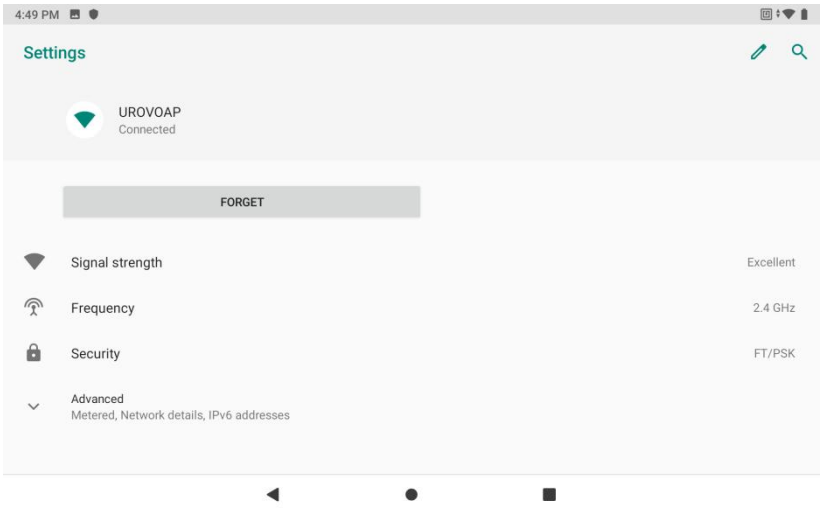


Figure 2- 6 Wi-Fi Connected

2.3 WWAN

Please refer to "Instruction on SIM/TF Card installation" for how to insert a SIM Card.

Open "**Settings-Network & internet-Mobile network**", to set the mobile network in conjunction with carrier information settings, such as data on/off, roaming on/off, and access point name, etc.

P8100 supports a wide range of 4G networks . If failed to connect to WWAN, please follow as below:

1. Check local network signal intensity;
2. Check whether the SIM Card is correctly installed;
3. Check whether the SIM Card has any pending bill, is available for surfing the Internet or damaged (test whether the SIM Card is damaged or has any pending bill by loading the SIM Card in the device);
4. Check whether the access point is correctly set.

2.4 Bluetooth

Device with the Bluetooth function such as printer, access point and other mobile computer can exchange data (e.g., file, date or task) after turning on the Bluetooth function.

P8100 supports BLE (Bluetooth low energy). BLE is oriented to healthcare, health, safety and home entertainment apps. It remains a standard Bluetooth coverage while reducing power consumption and saving cost.

To enable Bluetooth connectivity, please follow as below:

1. Pull down the status bar and long press the Bluetooth icon or click "**Settings-Connected devices**" to enter the page;
2. Tap **Pair new devices** to search for Bluetooth devices nearby;
3. Tap **Device name** can change visible name to another;

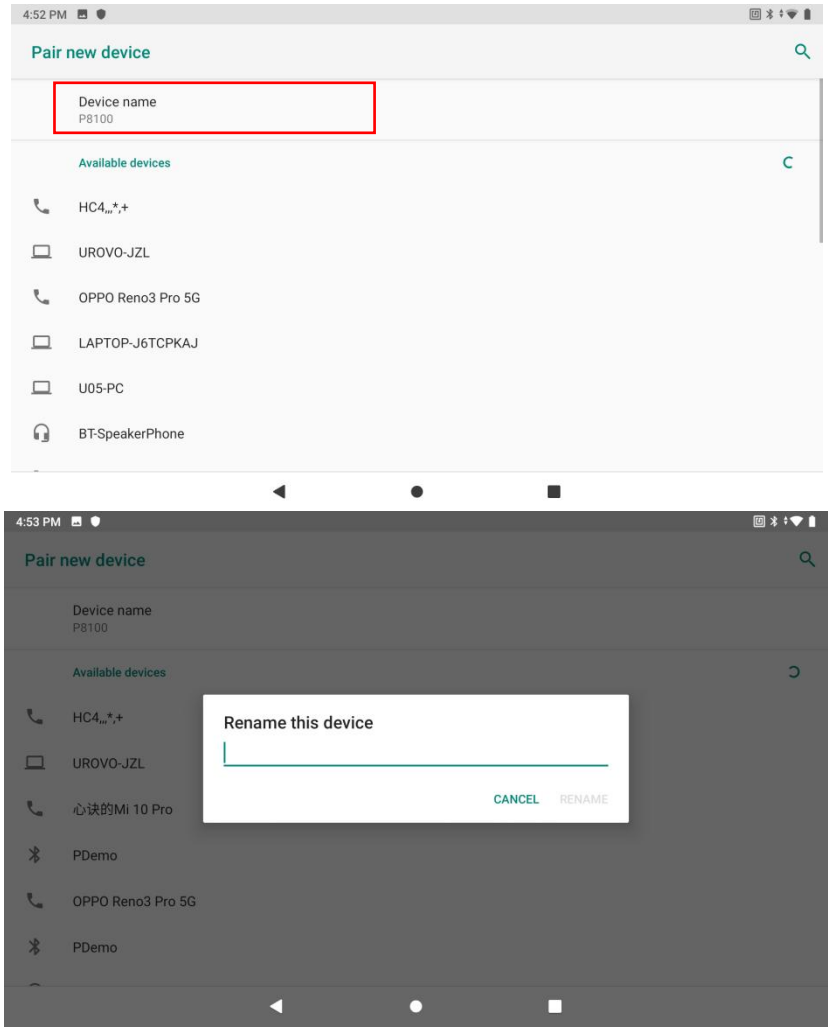


Figure 2- 7 Rename device

4. Tap the device to be connected and enter PIN code for verifying pairing or request for entering PIN code.

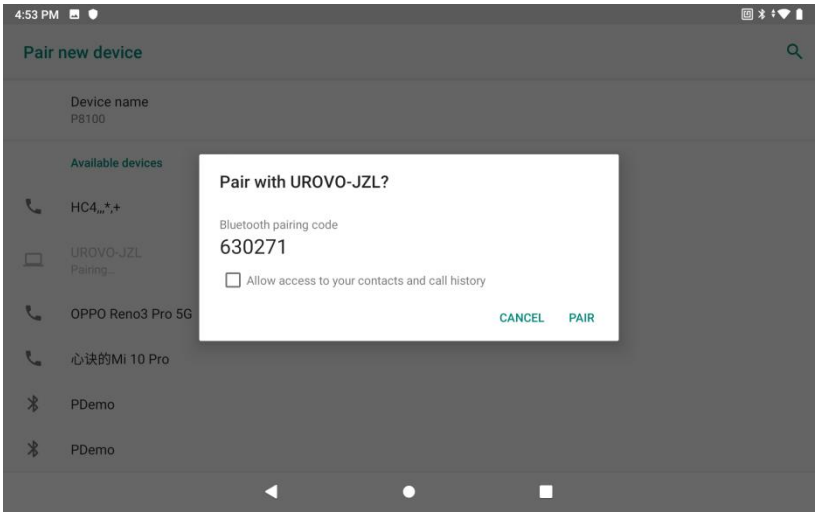


Figure 2- 8 Bluetooth Pairing

2.5 Display

The Display Settings adjustable **Brightness level**, **Dark theme**, change **Wallpaper**, set **Auto-rotate screen**, set **Screen timeout** and **Font size** and other functions.

2.5.1 Screen Rotation Settings

By default, screen rotation is disabled. To enable screen rotation, please follow as below:

a) Pull down the status bar, click on the Auto-rotate icon.

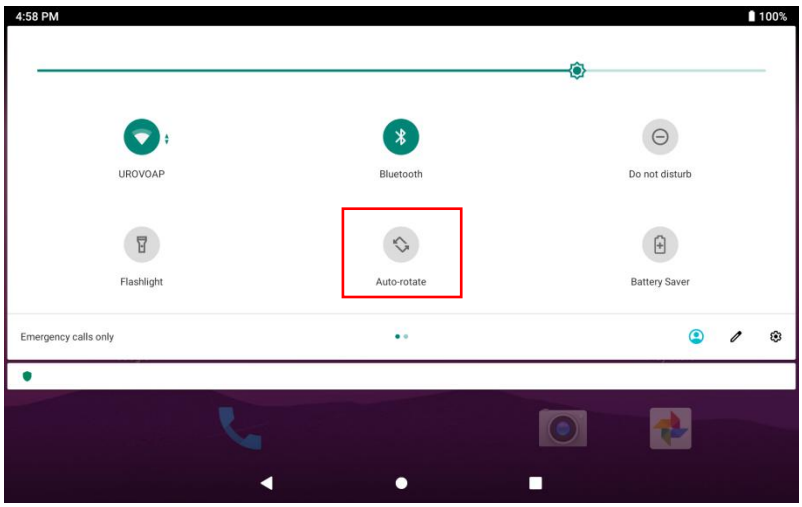
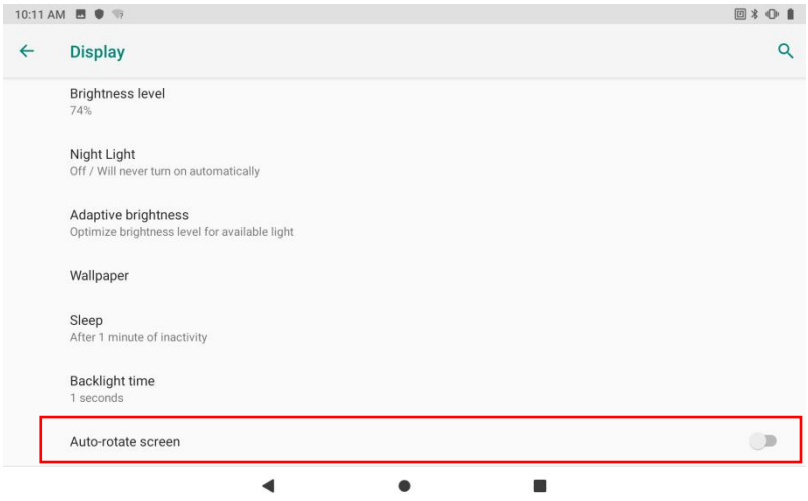


Figure 2- 9 Auto-rotate screen shortcut

b) Enable **Settings-Display-Auto-rotate screen**;



2.5.2 Sleep Settings

User may make P8100 sleep if not using it for a moment. As P8100 is in the sleep status, user may directly press the power key to wake up the screen and unlock to back to the program interface. To make P8100 sleep, press the power key to turn off the screen or set sleep time. please follow as below:

1. Touch the settings icon to enter settings;
2. Open **"Display-Sleep"** ;

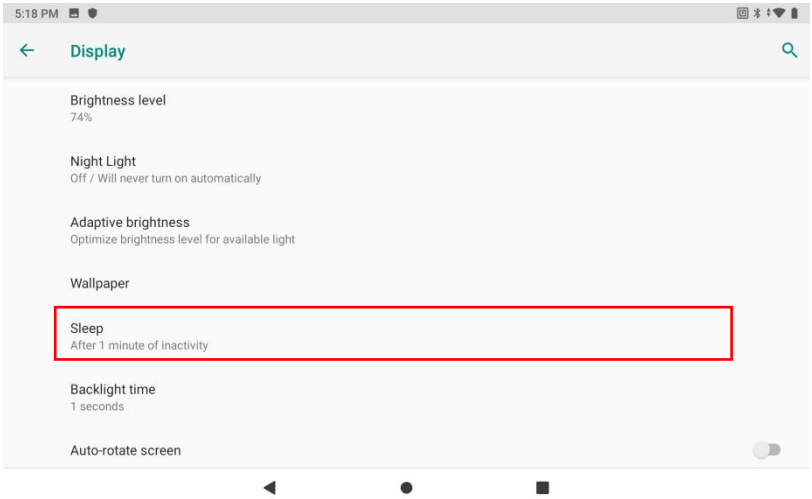
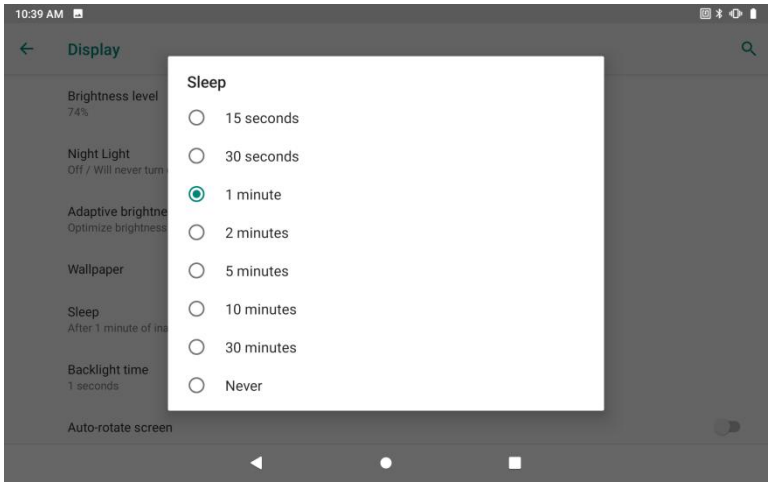


Figure 2- 10 Screen timeout

3. Select a sleep time.

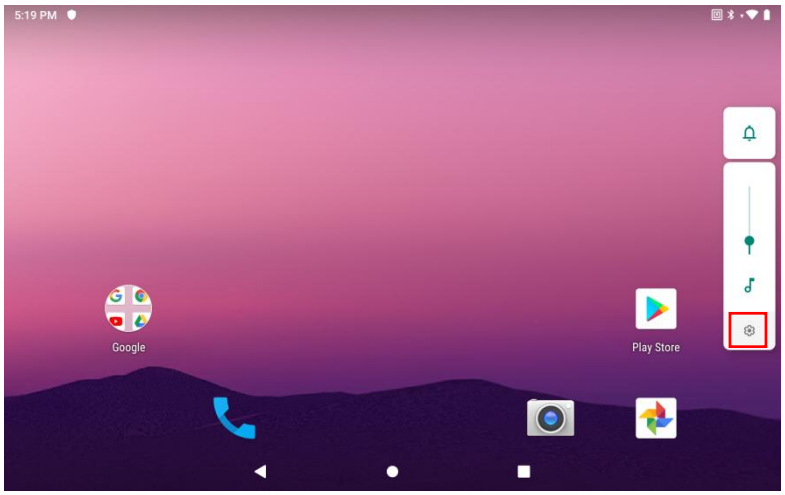


2.6 Sound Settings

To adjust the volume of the device, please follow as below:

1. Press the volume key to regulate media volume settings. Slide up or down the volume icon to set the volume;

2. Click the settings icon to open the sound settings interface for setting media volume, etc.



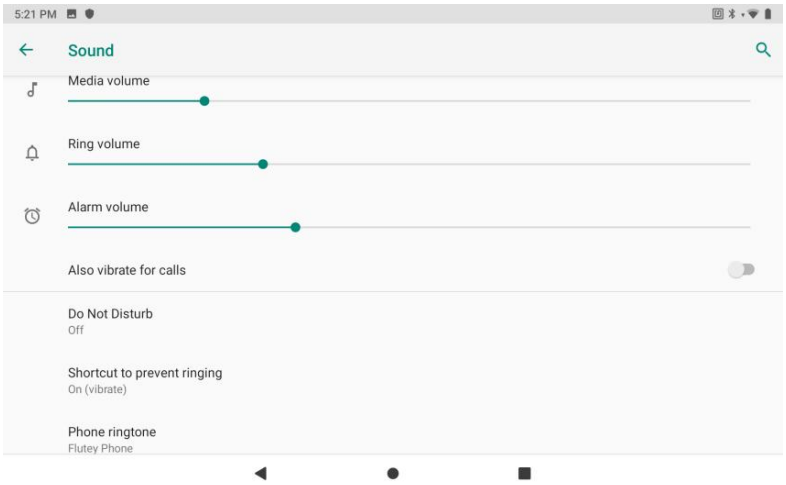


Figure 2- 11 Volume Settings

3. Select **Settings-Sound** to open the sound settings interface for setting the media volume, ring volume, alarm volume as well as Phone ringtone, alarm sound, other sound and vibrations, etc.

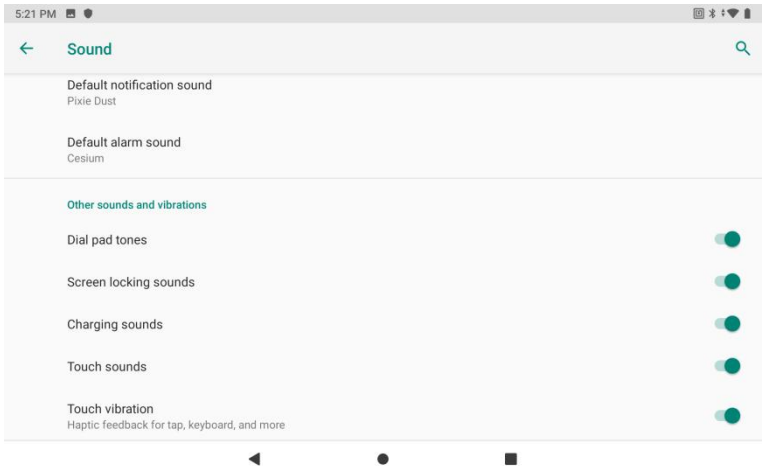


Figure 2- 12 Sound Settings

2.7 App permissions Settings

To view and change the permissions for your application, please follow as bellow:

1. Open "**Settings-Apps & notifications-App permissions**" ;

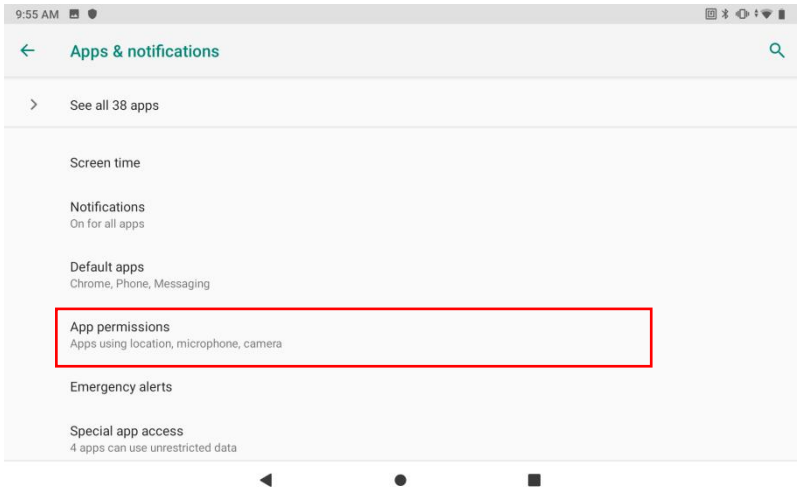


Figure 2- 13 Apps & notifications setting page

2. Click the permissions you want to view or modify (take Phone permissions as an example);

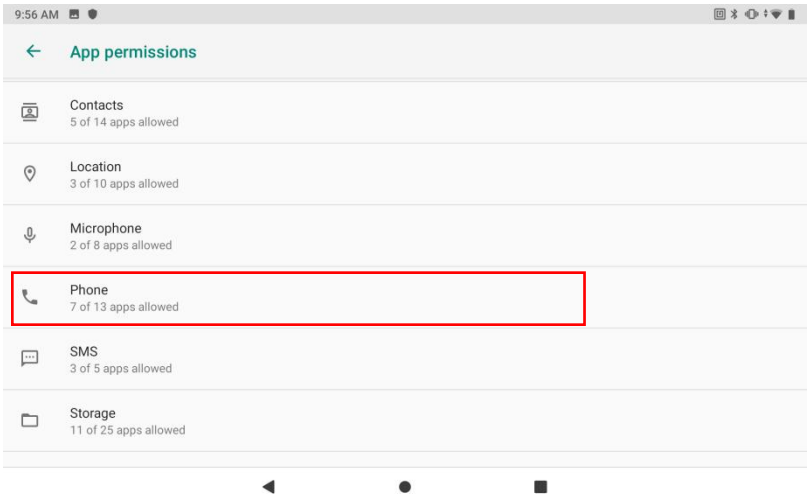


Figure 2- 14 Permission manager

3. You can view the apps that have allowed or disabled this permission, and if you want to change the permission of the app, click the far right switch.

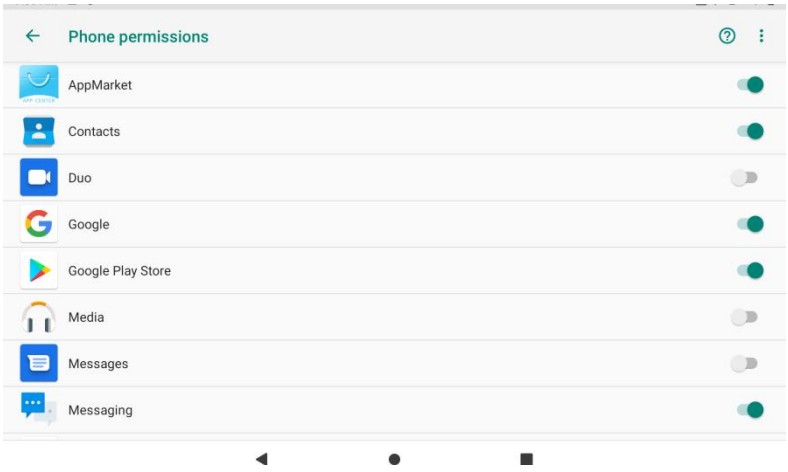


Figure 2- 15 Phone Permissions

2.8 Date and Time Settings

As P8100 is networked, the system will automatically update the time and date. Users need set the time zone only. If time is not updated, please check whether the device is networked or whether the current WLAN supports the network time protocol (NTP).

Where manual settings are needed, please take the following steps:

1. Open "**Settings-System-Date & time**";
2. Disable **Automatic date & time**;

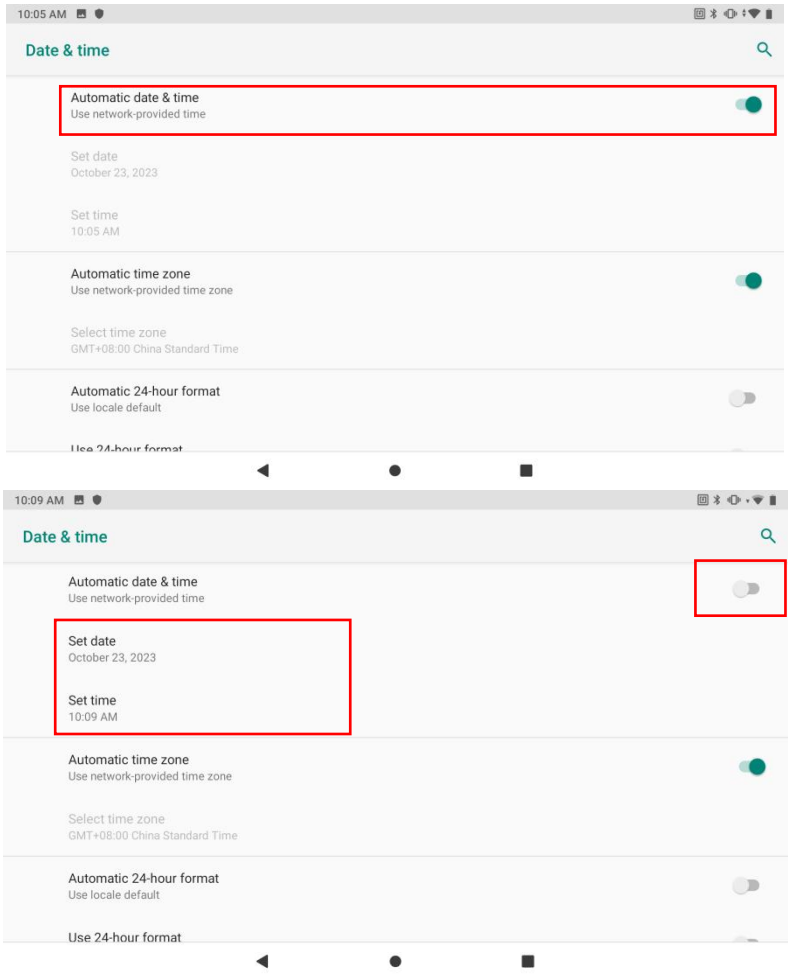


Figure 2- 17 System Time Settings

3. Modify date or time, and touch **OK**.

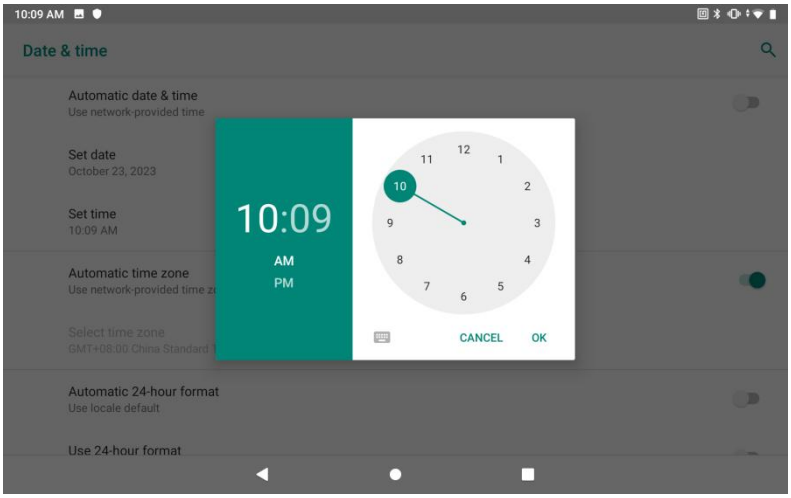


Figure 2- 18 Modify time

2.9 Reset Settings

Restore Device is a built-in restoration toolkit that enables users to initialize the system. Attention! Please copy and save important files before resetting! Restoration will erase all the user data!

1. Pull down the status bar to open the quick access panel;

2. Tap the settings icon to enter "**Settings-System-Reset options**";

3. Select the corresponding reset option;

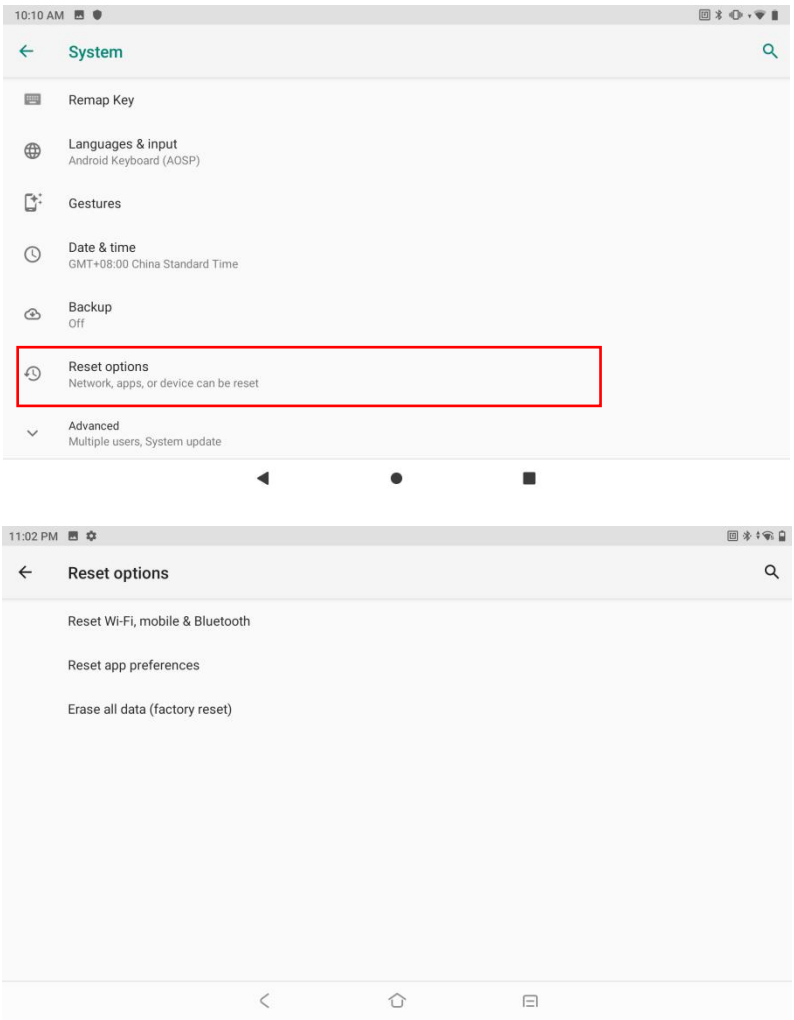


Figure 2- 19 Reset options

2.10 About Devices

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

SIM status——view carrier, signal strength, IMEI and other information
Device ID——display the device's unique identifier
Model & hardware——view the device's model
IMEI——view IMEI1, IMEI2 information
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

2.11 Scanner Settings

Scanning engines may differ from each other in the settings interface. The following is only an example. For more details, please contact Urovo's technical staff for instruction.

When scanning Settings need to be modified, Open "**Settings**-Scanner Settings" .

2.11.1 Floating action button

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

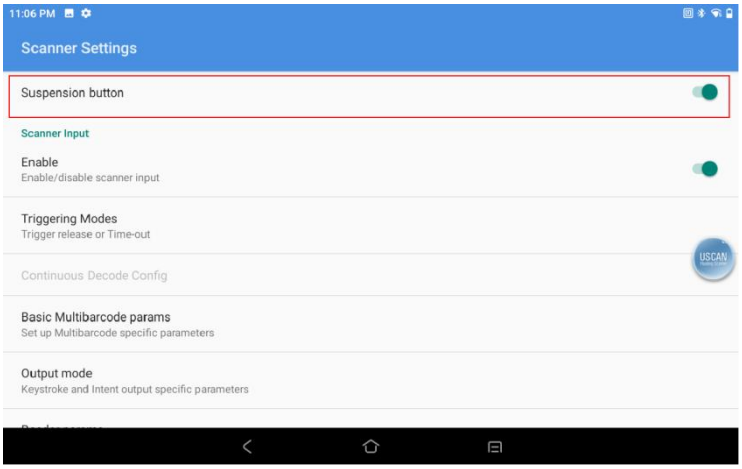


Figure 2- 20 Floating Button Scanning Function

2.11.2 Triggering Mode

- Auto mode-**Decode or Time-out**: manually trigger the scanning function. Press the scanning key and laser light or supplementary light will be shown. The light will not go out until decoding is completed or scanning times out;
- Continuous mode-**KeyDown start, Again KeyDown stop**: manually trigger the scanning function. In the continuous scanning mode, the scanning laser or supplementary image light will not go out after decoding. Instead, decoding will sustain;
- Manual mode-**Trigger release or Time-out** : manually trigger the scanning function. Press the scanning key and laser light or supplementary light will be shown.Release the key and the light will go out. In addition, the scanning light will also go out after decoding;

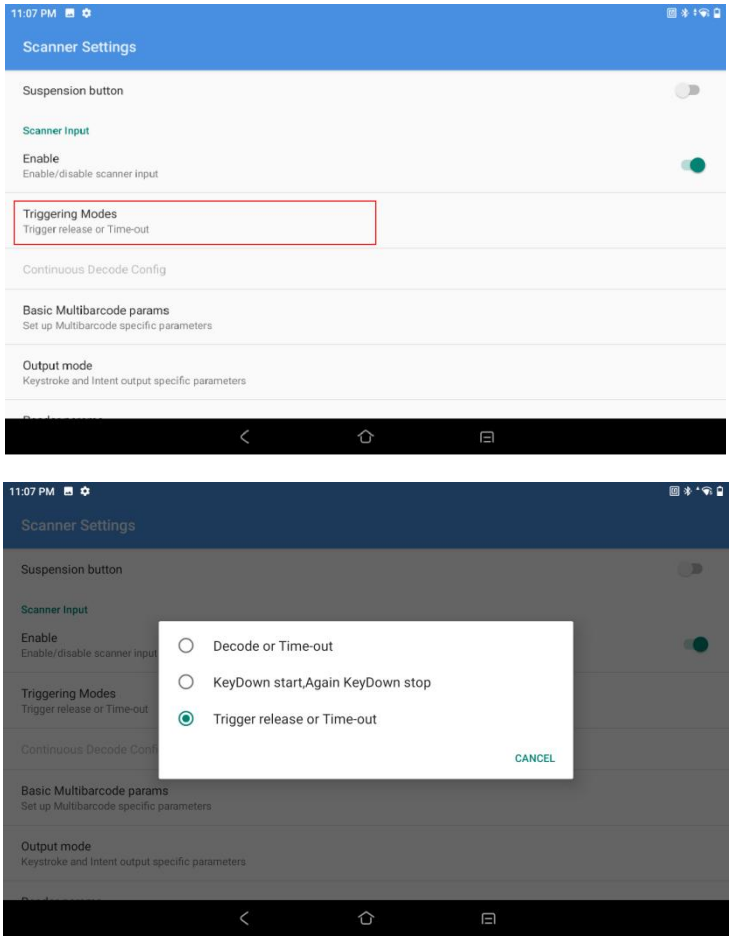
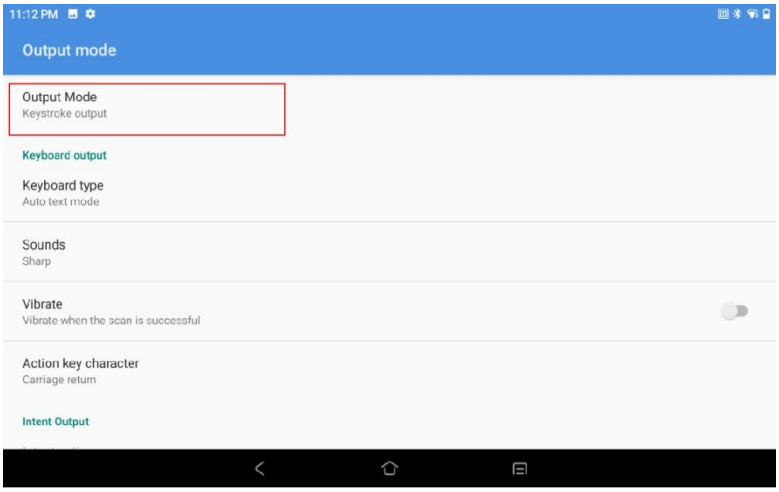


Figure 2- 21 Triggering Mode

2.11.3 Keystroke output

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



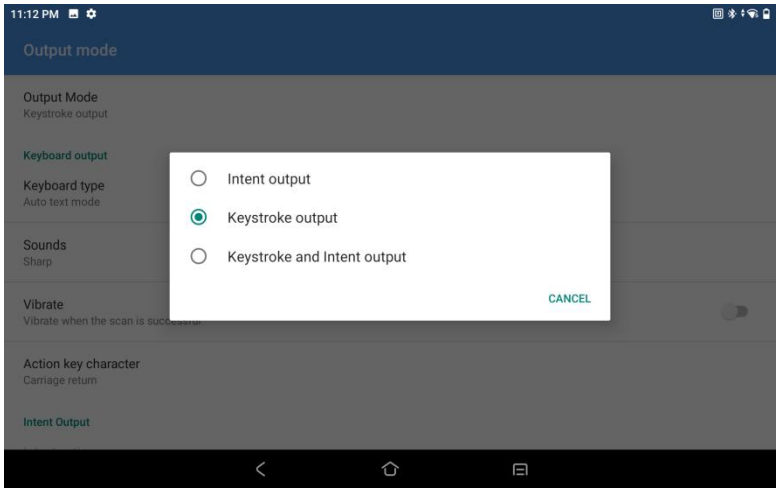


Figure 2- 22 Output mode

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

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

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

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

- ✓ **Sounds** – set the system's notification tone for scanning, which may be None, Instant (default) or Squeak.

- ✓ **Vibrate** – check to enable the function of vibrating after scanning

- ✓ **Action key character** – **None、Carriage return、Line feed、Tab,** Add operational key characters behind scanning results through keyboard simulation.

None: no operation

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

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

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

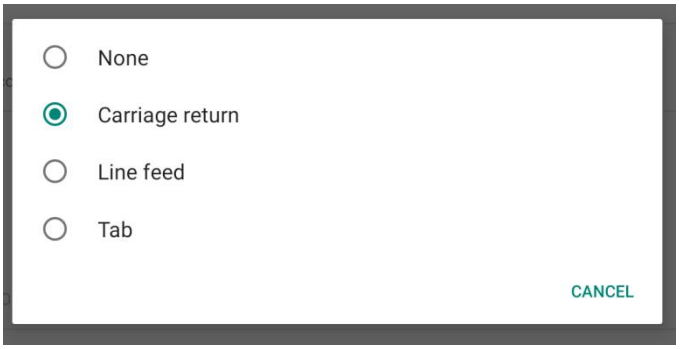


Figure 2- 23 Action key character

2.11.4 Reader Params

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

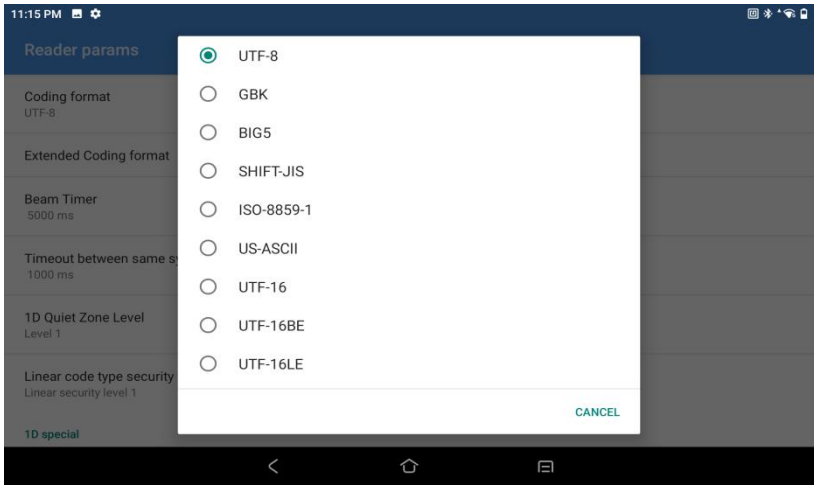


Figure 2- 24 Chinese Code Type

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

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

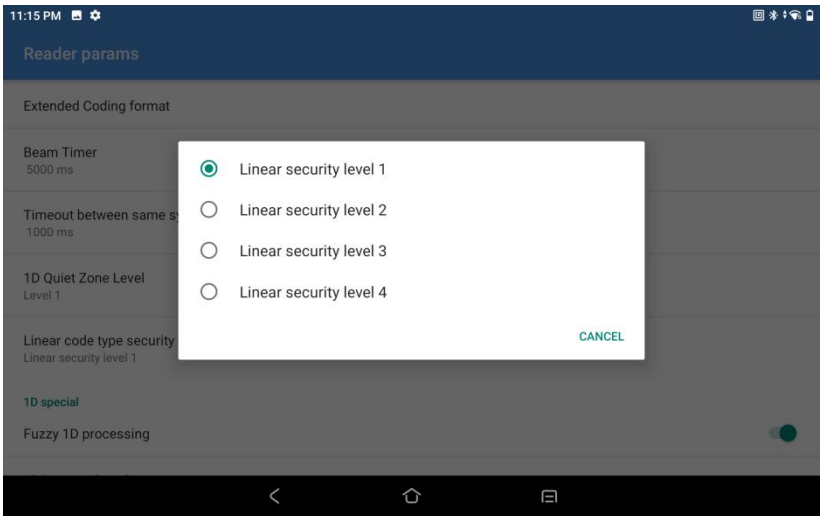


Figure 2- 25 Linear code type security level

Exposure Settings-Lights Configuration

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

Aimer Only: turn on aim light only;

Illum Only: turn on illumination only;

Alternating: turn on illumination and aim light in alternation;

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

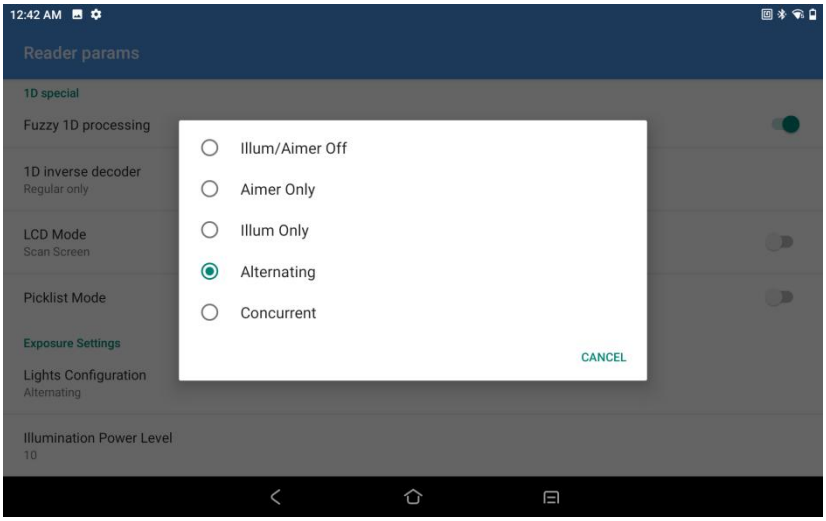


Figure 2- 26 Lights Configuration

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

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

2.11.5 Basic data formatting

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

1. Tap **Append formatting** and select the additional formatting type;

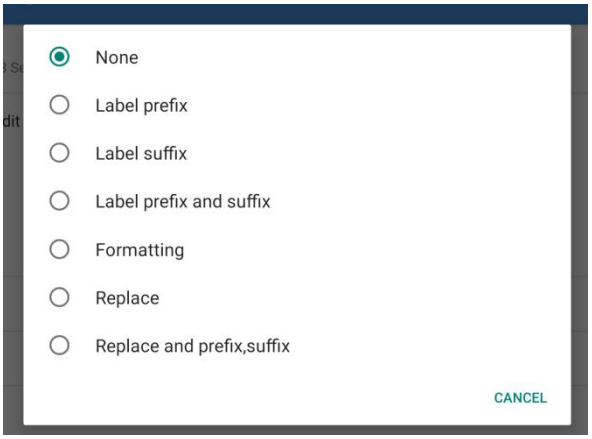


Figure 2- 27 Append formatting settings

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

The same goes for prefix;

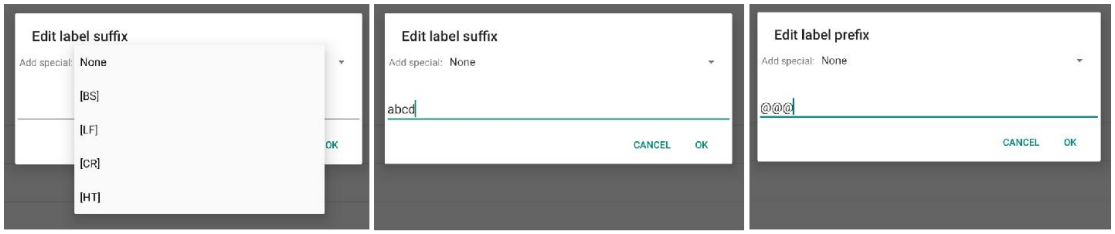


Figure 2- 28 Edit Suffix/prefix

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

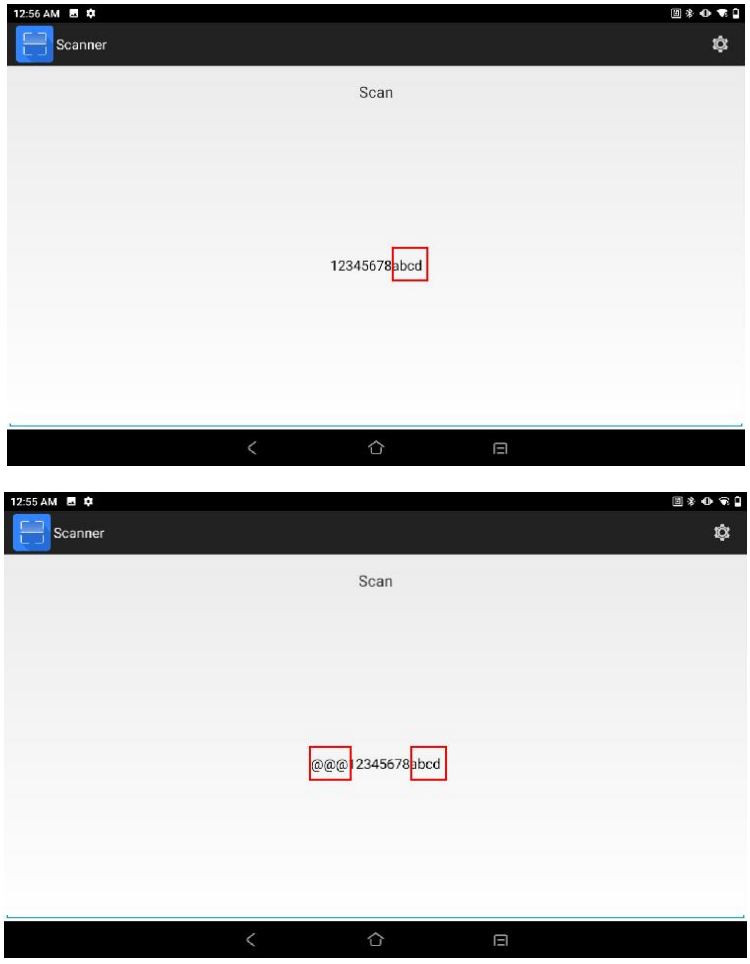


Figure 2- 29 Prefix and suffix testing

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

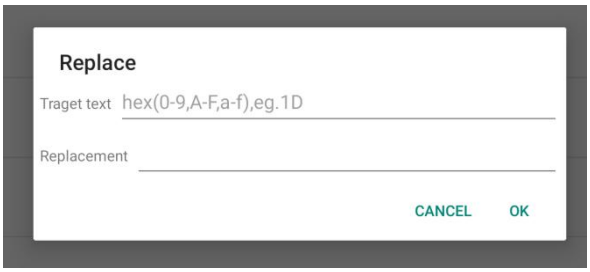


Figure 2- 30 Edit Replace

4. Remove non-printable Characters: select the mode and delete any nondisplay character;

5. Application Identifier: select the mode and add an app identifier to some bar codes, e.g., Code 128;

6. Application Identifier Edit: select the mode and set "()" as the app delimited identifier by default, which may be substituted by any other identifier;

7. Code Id Type: select the mode and add a Code Id (Code Id Type None, Code Id Type Aim (add an Aim in front bar codes) or Code Id Type Symbol (add an identifier in front of bar codes)) to some bar codes;

2.12 ScanWedge Profiles

ScanWedge Profiles allows to modify the default scan settings and to create new scan settings.

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

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

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

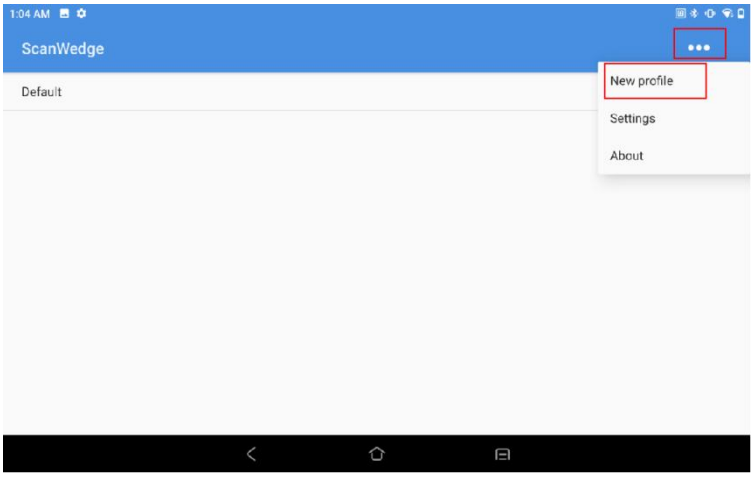


Figure 2- 31 New profile

(b) Name the new scan configuration;

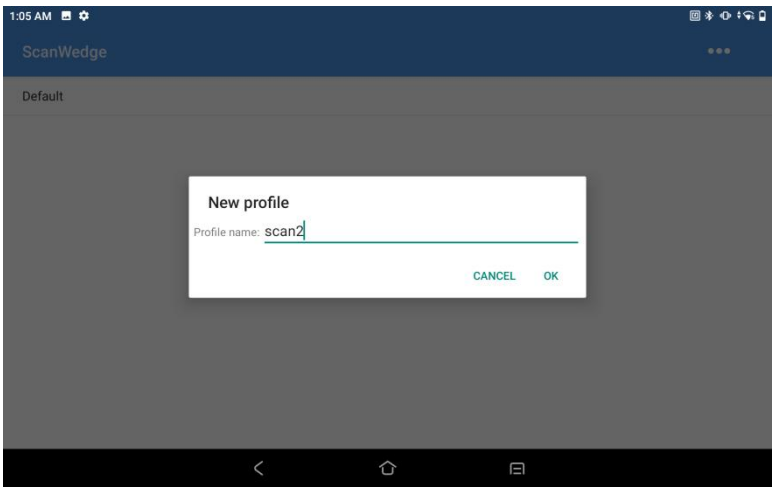


Figure 2- 32 New profile name

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

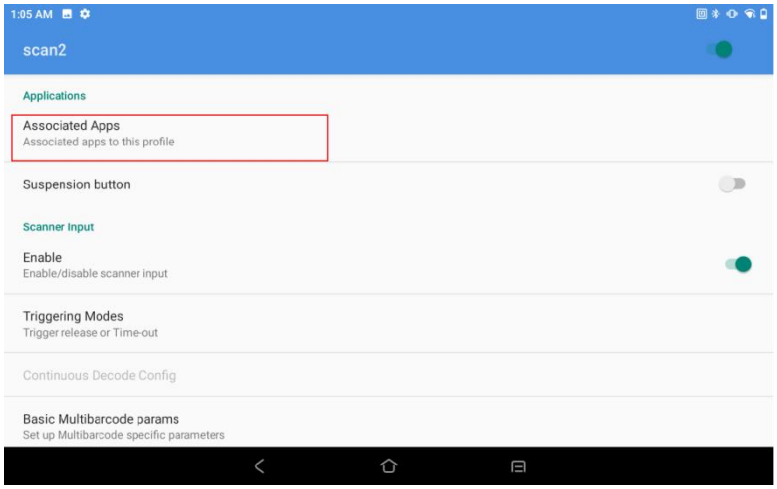


Figure 2- 33 Associated Apps

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

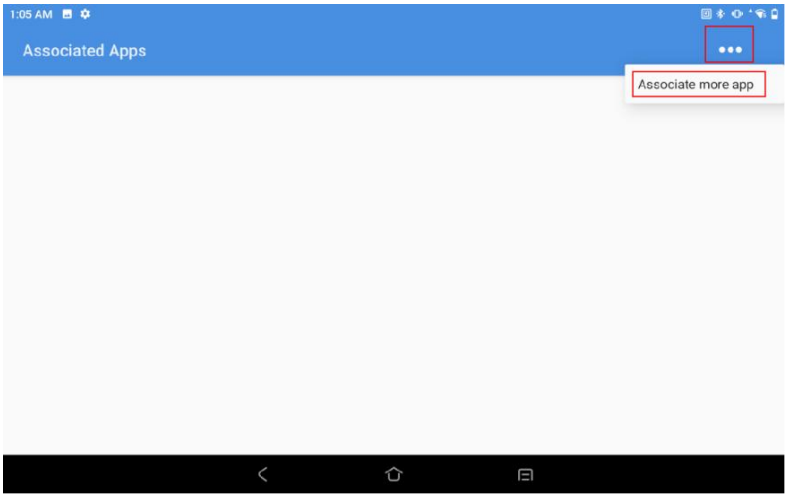


Figure 2- 34 Associated Apps

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

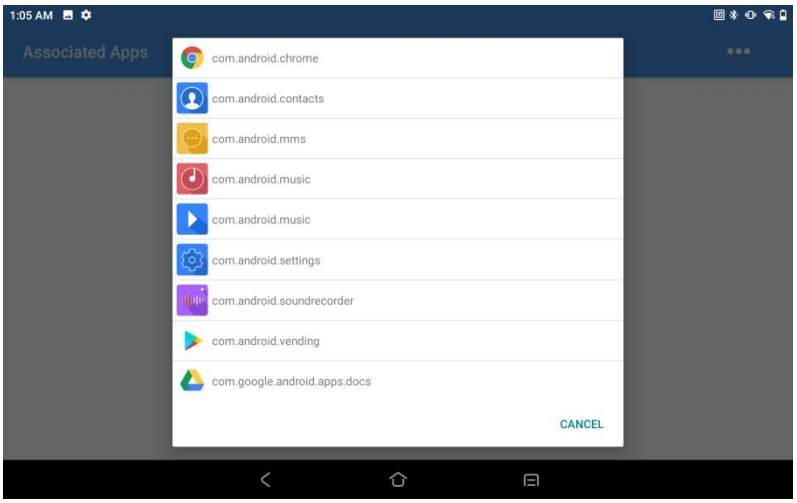


Figure 2- 35 Associated Apps

2.13 Feature Settings

The following setting switches are available in the system feature settings:

- **Disable status bar pull down**: the default is "Unchecked". If checked, the status bar function cannot be modified.
- **Disable Virtual key1/2/3**: the default is "Unchecked". If checked, click on the virtual key at the bottom of the screen is not effective.

- **Disable input method pops up automatically**: the default is "Unchecked". Check it if you want to disable automatic pop-up of input method during code scanning.
- **Disable Input Method**: the default is "Unchecked". Pop-up of keyboard is forbidden when typing.
- **Disable pass scan key code to application**: do not pass scan key code button to application.
- **Show scan suspension button:** the default is "unchecked", if checked, a scan suspension button is displayed on the screen.
- **Disable three finger screenshots:** use this function to disable the three finger capture mode. By default, you can take a screenshot by swiping up and down with three fingers.
- **Set Key To Wake up Screen:** except the power button, set any other button, once being pressed,to activate screen.
- **Default Launcher:** modifies the default desktop of the system, which will automatically enter the selected desktop.

2.14 Remap Key

Remap Key can keymap all physical keys except the power key, and the mapped keys will be given a new key value, that is, pressing the button can achieve customized functions.

1. Open "**Settings-System-Remap Key**" and check **Enable intercept key**;

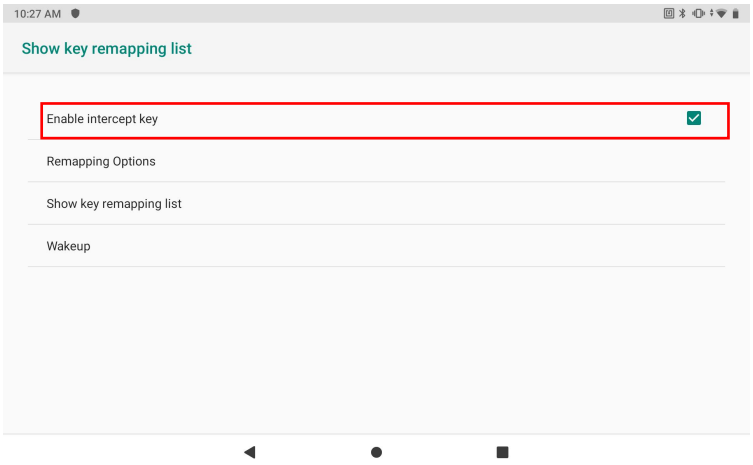


Figure 2- 36 Remap Key

2. Touch "**Remapping Options**" ;

3. Press the physical key for key remapping, the key value and name will be shown;

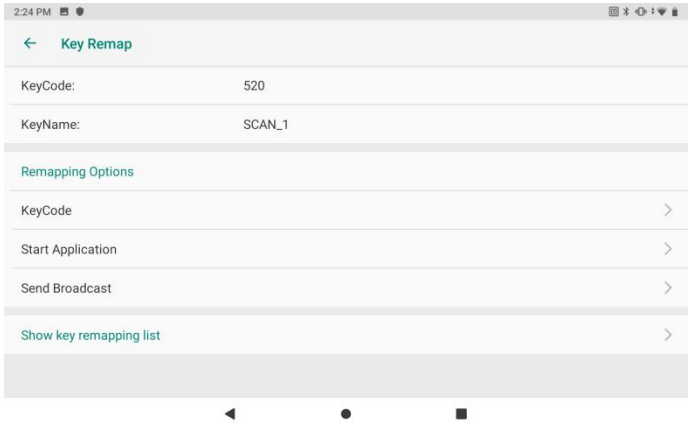


Figure 2- 37 Key Remap Page

4. Tap **KeyCode**, **Start Application**, **Send Broadcast,** after finish setting, tap **Remap key**;

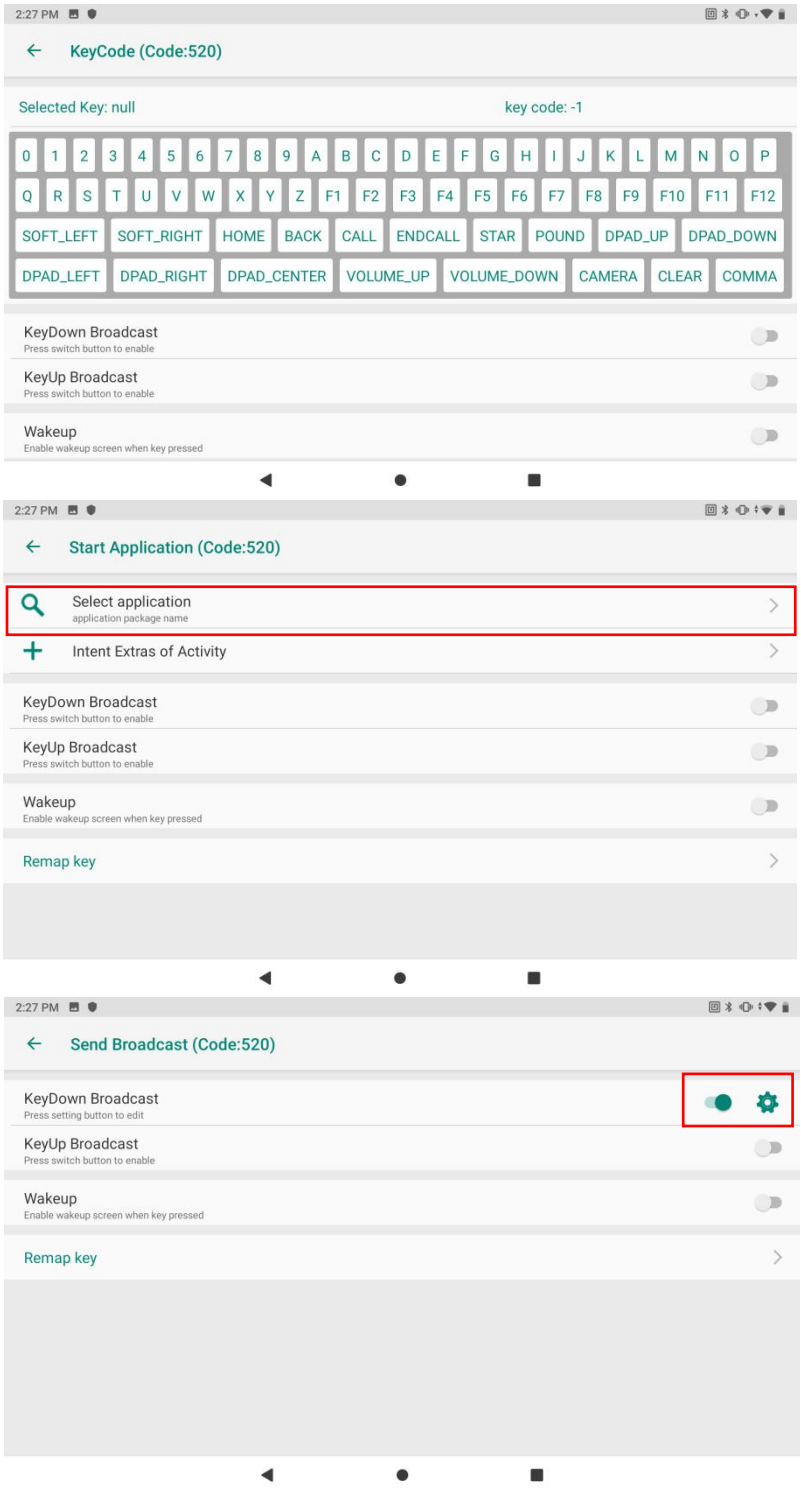


Figure 2- 38 Key Remap options

5. View the remapped key list in the **Show key remapping list** to manage remapped keys;

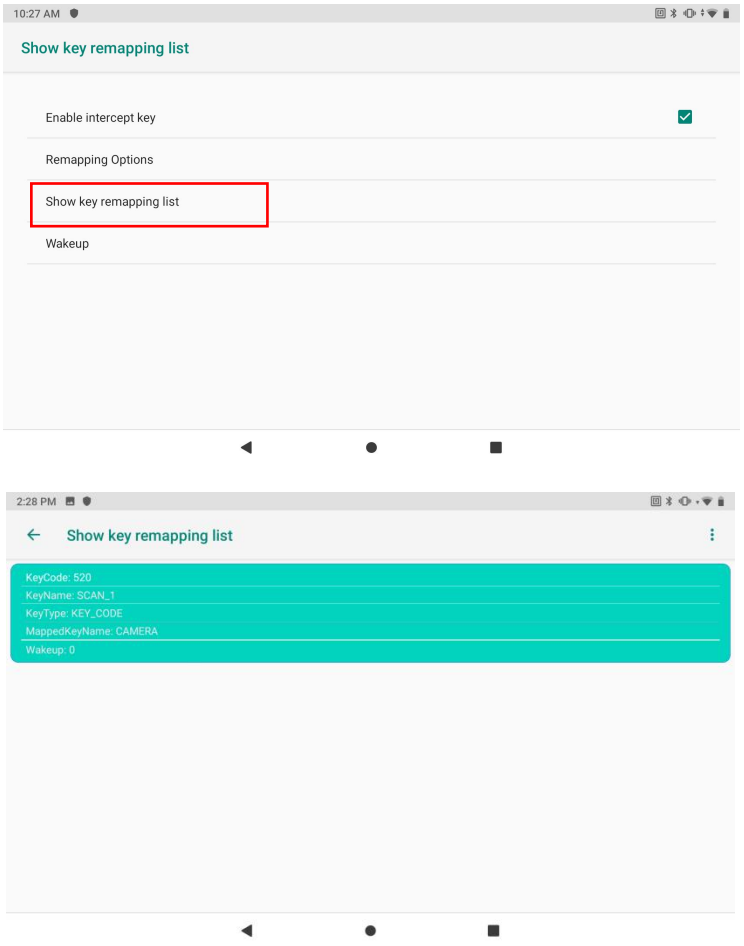


Figure 2- 39 Show key remapping list

a) 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;

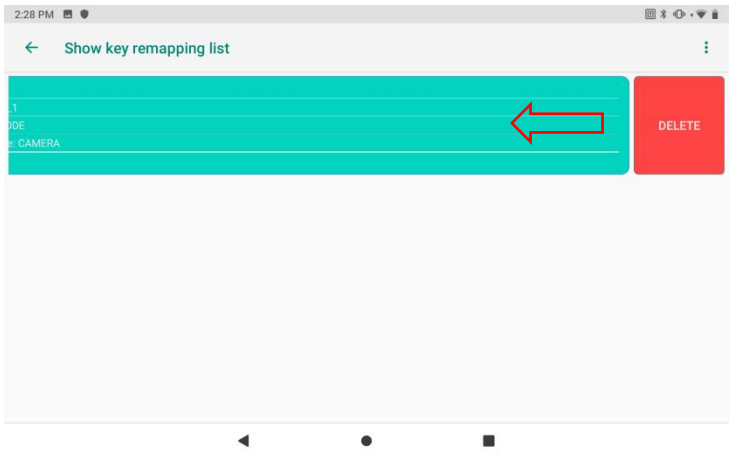


Figure 2- 40 Key Remapping Deleting

b) Touch the menu key or settings icon at the top right corner to reset the value of each remapped key and restore the default value of each physical key.

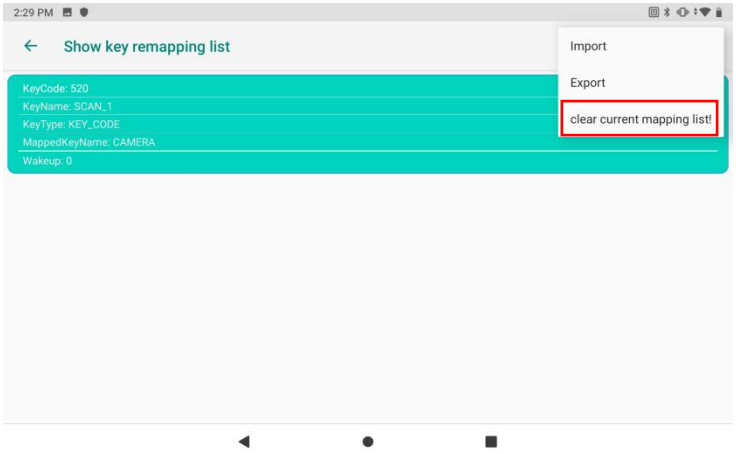


Figure 2- 41 Remapped Key Resetting

Chapter 3 Application

3.1 Access the application

Installed apps will be shown in the app center interface, except for ones in the background.

3. In the home screen, pull up the screen to enter the app center interface;

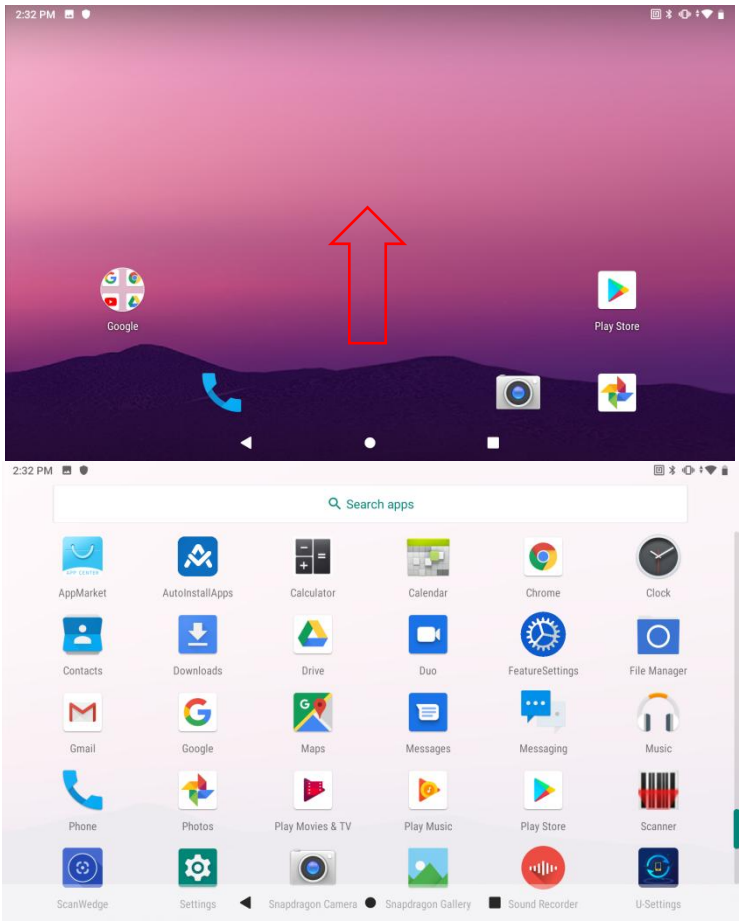


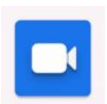
Figure 3- 1 Enter App Center from main interface

4. Slide up or down to view more app icons and touch any app icon to be accessed to open the app.

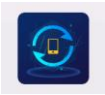
3.2 App Profile

System apps are set forth in the following table.

For detailed operation of the software, please contact the technical staff of UROVO for guidance.

Icon	Description
	**App Market-**download apps defined in the cloud management platform
	**Calculator-**provide basic and scientific calculating functions
	**Calendar-**view and manage calendar events.
	**Chrome-**access the network
	**Clock-**set the alarm and timer
	**Contacts-**manage contact information.
	**Drive-**Allows offline access to users' files stored and share them with others
	**DUO-**For video calls
	**Gmail-** receive and send e-mails
	**Google-**access the network
	**Maps**-Browse maps, search for locations, check bus and car routes, and view real-time traffic status

	**Messaging**-receive and send SMS and MMS
	**Phone**-dial a phone number for voice communications
	**Photos**-view or edit photos in the device and microSD Card.
	**Play Movies & TV**-Allows users to browse, download and use applications published by Google
	**Play Music**-Used to play audio files from this unit or Micro SD card
	**Play Store**-Used to find the latest Android apps, games, movies and more
	**Scanner**-test the engine module of scanner
	**ScanWedge**- Allows to modify the default settings for scanning and to create new scan settings to be applied to custom software
	**Settings**-configure P8100.
	**Camera**-take photos and record videos.
	**Gallery**-view or edit photos in the device and Micro SD Card.
	**Sound Recorder**-record audio files

	U-Settings-allows for fast configuration synchronization of devices. After the first device is configured according to enterprise requirements, the other devices can be configured in a simple and fast manner.
	**YouTube-**Used to download, watch and share videos or clips

3.4 U-Settings

U-Settings provides enterprise IT administrators and agents with quick device configuration synchronization. After the first device is configured according to enterprise requirements, other devices can be configured synchronously in a simple way, thus making mass devices reach their working state simply and quickly, facilitating enterprise control, and reducing the errors of human configuration.

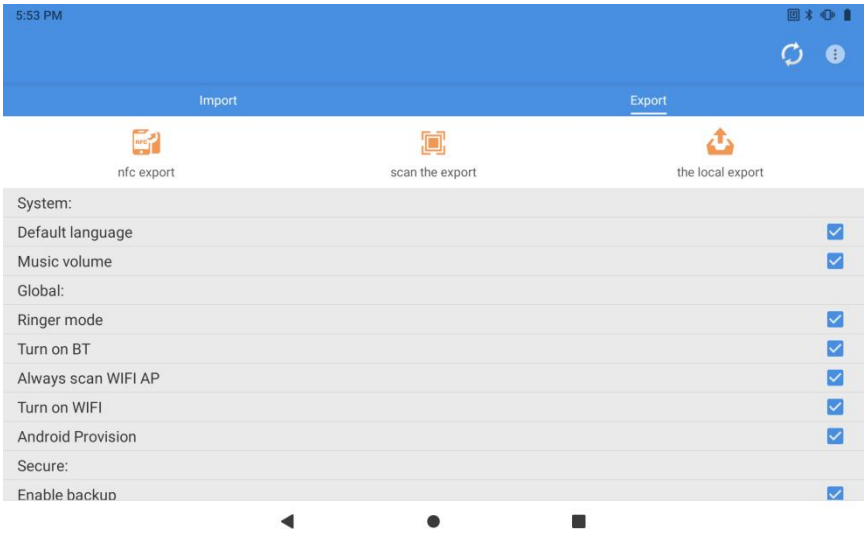
Configure

Before using this program, the current prototype must be configured to the working state.

The range of configuration includes system settings and scanner settings, such as WIFI switch, network automatically saved under WIFI, and time zone setting in system settings, as well as scanner configuration, such as broadcast configuration, and barcode setting. After setting items are configured, you can enter the U Stage program.

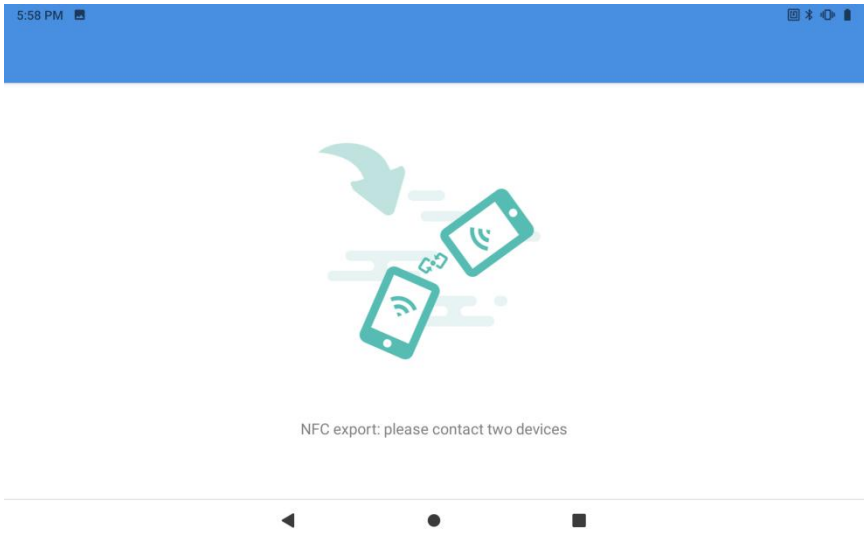
Export

After the standard configuration of the prototype is completed, export the configuration scheme. U-Settings provides 3 transmission modes.



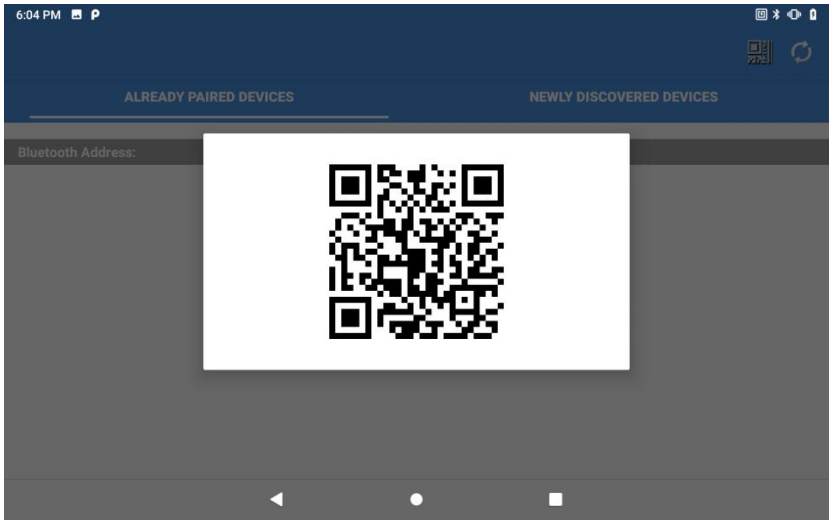
1) NFC export

Contact two devices to finish configure.



2) Scan the export

Import the configuration to the barcode for other devices to scan and import.



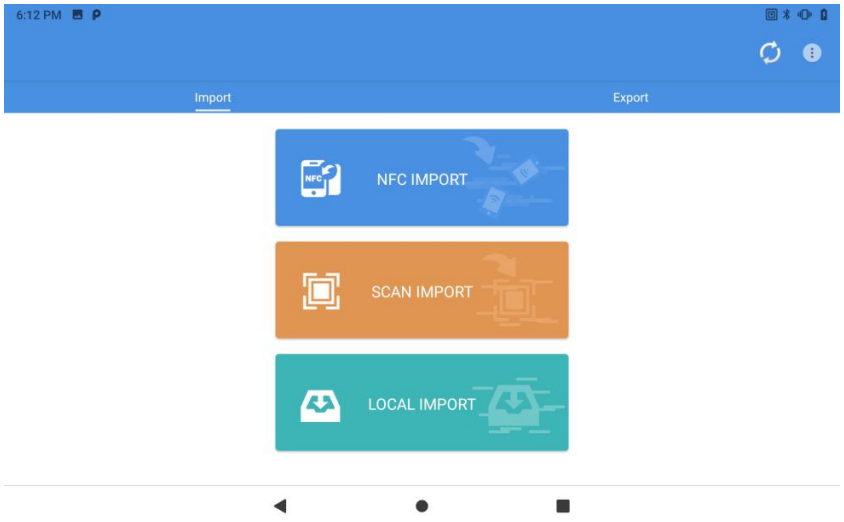
3) the local export

Export the configuration to local to generate 2 files, such as scanner_system_5.pdf. This file contains barcode for configuration. The IT administrator can transfer the file to the customer or print the file for the user to scan and import.

And "scanner_system_5.txt" this file can be uploaded to the MDM platform for remote silent deployment.

Import

When selecting import, there are three ways to do the same, select an appropriate export method.



3.5 Description of Computer Connected Operation

If Android system driver or Android mobile assistant is installed in your personal computer, you may connect the device to the PC via the device' s USB cable.

3.5.1 Developer Options

1. If it is a first-time debugging, open "**Setting-About phone**", then click the Build number continuously, bring up developer mode;

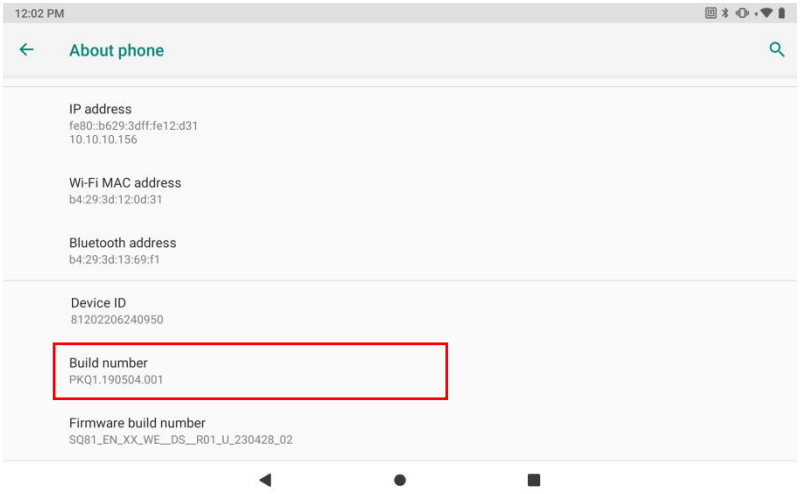
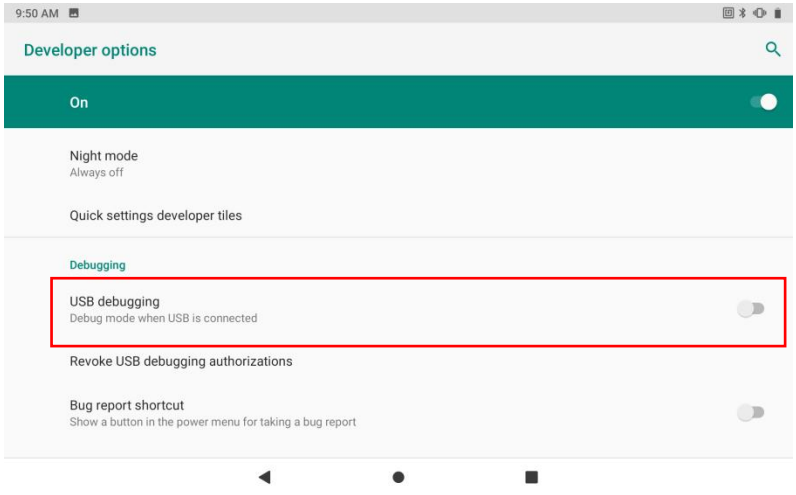


Figure 3- 7 developer mode

5. Open "**Settings-System-Advanced-Developer options**", Enable **USB debugging** to enter the debugging mode;



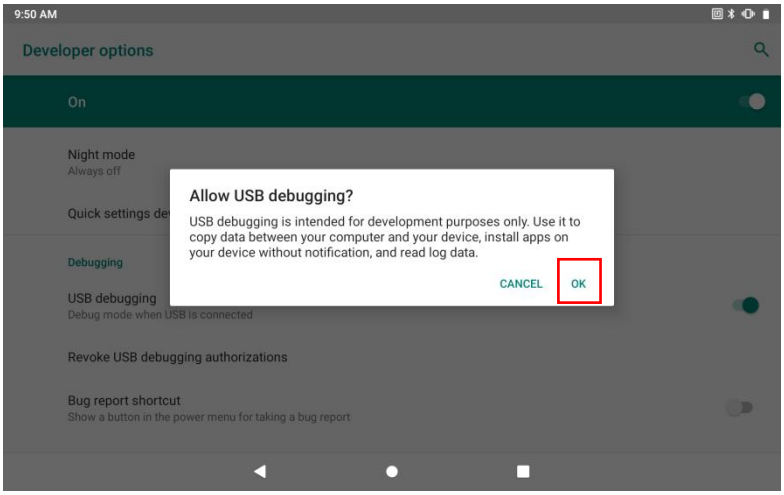


Figure 3- 8 USB debugging

3.5.2 File management by File Transfer

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 file transfer app to Mac.

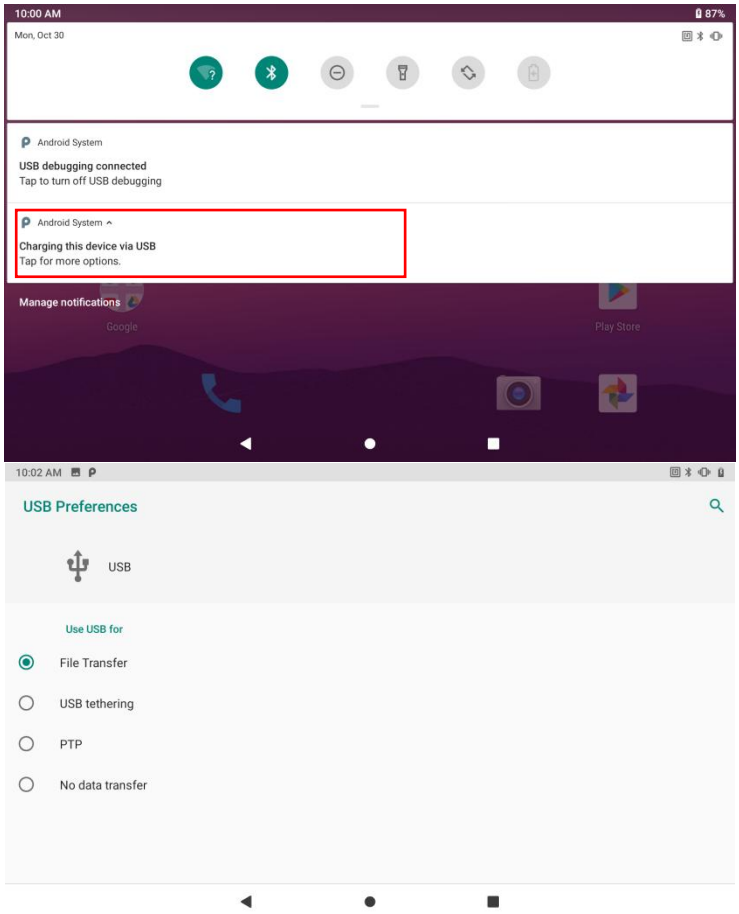


Figure 3- 9 File Transfer

3. At PC end, open My Computer to access P8100 device;

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

5. Manager media files that you needed.

3.5.3 Picture management by picture transfer protocol (PTP)

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

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

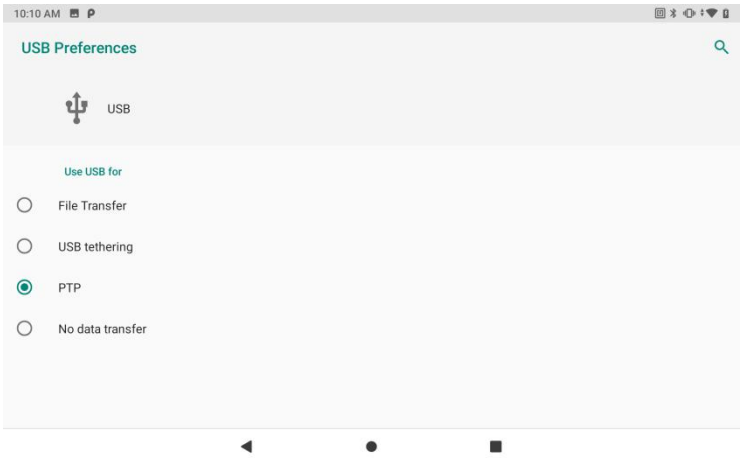


Figure 3- 10 PTP

3. At PC end, open My Computer to access P8100 device;

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

5. Manage picture files that you needed.

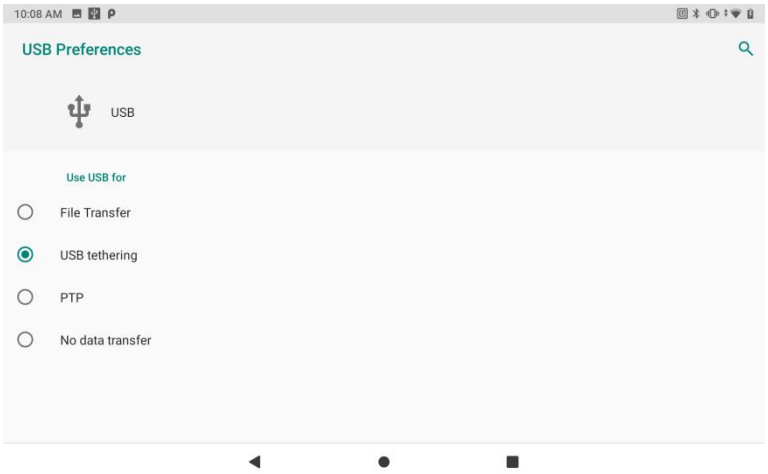


Figure 3- 11 PTP Folder Shown at PC

3.5.4 USB tethering

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

2. Pull down the status bar to open the notification panel and select **USB tethering** in **USB Preferences**. In this mode, the computer can share the network of the device.



3.5.5 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 Preference** to transfer photos to Windows;

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

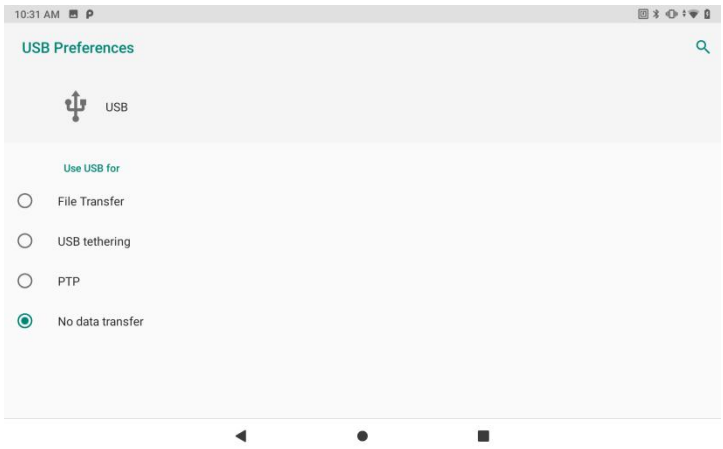


Figure 3- 12 Charging mode

3.5.5 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 P8100 Device;

3. Carefully remove the USB cable.

Charter 4 Accessories

4.1 List of Standard Accessories



Figure 4- 1 Power adapter



Figure 4- 2 Type-C USB cable



Figure 4- 3 P8100 battery 8400mAh

4.2 List of Optional Accessories

Single Charging Cradle:

- support charging one device and one battery;
- support LED charging status indicator ;
- charging cradle adapter output: 12V/2A.



Figure 4- 4 Single Charging Cradle

LAN-Docking:

- Interface：Type-C*1(for charging)，RJ45*1(for wired Ethernet Connection)



Figure 4- 5 LAN-Docking

Wall Mounted Bracket:

- Used to fix the device to the wall;
- Can be used with LAN-Docking.



Hand Strap:

- Convenient for Mobile operation and carrying
- Adjustable elastic wrist strap



Figure 4- 6 Hand Strap

Holster:

- Lightweight and convenient , easy to carry around;



Figure 4- 7 Holster

Protective Case:

- Can be used with shoulder strap (shoulder strap optional);
- The wrist strap on the back is designed to enhance protection and reduce hand pressure.



Chapter 5 Maintenance and Troubleshooting

Introduction

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

5.1 Maintenance

To ensure that the device does not break down, please abide by the following instructions while using P8100:

- Do not scratch the screen of P8100. While using P8100, 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 P8100.
- The screen of P8100 is made from glass. So please do not make P8100 fall on the ground or get hit.
- Prevent P8100 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 P8100 anywhere dusty, dump or moist.
- Clean the scanning engine and camera of P8100 by soft lens cloth. If the screen of P8100 gets dirty, please clean the screen by soft cloth with diluted glass cleaning solution.

5.2 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).

5.3 Troubleshooting

Problem	Reason	Solution
Press the power key but P8100 does not work	The battery is not charged	Charge the battery
	The system crashes	Execute resetting
The battery is not charged	The battery breaks down	Replace the battery
	The battery's temperature is exceptional	Contact for technical support
During data communication via Wi-Fi, no data are transferred or not all data are transferred.	Wi-Fi communication is not enabled	Enable Wi-Fi communication
	The device is out of the range of the access point	Move closer to the access point
During data communication via Bluetooth, no data are transferred or not all data are transferred	Bluetooth communication is not enabled	Turn on Bluetooth communication.
	The device is out of the signal range of another Bluetooth device	Move within 10m (32.8ft) range of another device.
No sound	Volume setting is too low or turned off	Adjust volume
P8100 is off	P8100 is at inactive state	Not use for a while, the display will automatically turn off. Set the duration to

		be longer, such as 15 s, 30 s, 1 min, 2 min, 5 min, 10 min or 30 min
	The battery is depleted	Charge the battery
Tapping a window button or icon but fail to trigger the corresponding function	The device does not respond	Reset the device
A message pops up, indicating that P8100's storage is full	Too many files are saved in P8100	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 P8100	Uninstall unused apps in P8100 to recover storage capacity
P8100 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 P8100 within proper scanning range
	The bar code type is not checked, or bar code length is wrong	Set P8100 to accept the scanned bar code type
	Battery low	Check the battery level

Precautions:

1. To avoid unnecessary injuries, please read this instruction manual before using the equipment to ensure proper and safe use.

2. Please use the accessories approved by the manufacturer and matched with this model of equipment. If you use a power supply, charger or battery that is

not approved by the manufacturer, it may cause fire, explosion or other hazards.

3. Please use this equipment under the specified temperature of the equipment, as too high or too low ambient temperature may cause equipment failure.

4. Do not disassemble the equipment or its accessories without permission. If the equipment or any of its parts do not work properly, please consult our after-sales service staff or send the equipment to the after-sales service network for inspection and repair.

5. There are two types of laser warning signs posted near the scanning engine, please do not intentionally aim the laser at the eyes, because a long time direct exposure of the eyes by the laser may cause irreversible damage.

6. In the case of battery bulge, smoke, leakage and other suspected battery failure, please contact the manufacturer in a timely manner for after-sales treatment.