

USER MANUAL

FOR

15.6 " Bedside Infotainment Terminal



Important Safety Instructions

Read these safety instructions carefully:

- Keep this equipment away from humidity and extreme temperature.
- Avoid exposing the device to direct sunlight or strong ultraviolet light for a long time.
- Do not drop the device or expose it to strong vibrations.
- Do not scratch or rub the screen with a hard or sharp object.
- Please turn off the power and unplug the power cable before cleaning the device, then wipe it with a moist and soft cloth.
- Do not disassemble or repair the device by yourselves without our authorization. If the damage is caused during the disassembly or repair, it will be out of warranty.
- Do not place your device or its accessories with flammable liquids, gases or explosive materials to avoid danger.

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Content

Chapter 1 Introduction	4
1.1 Product Features.....	4
1.2 Product Specifications.....	5
Chapter 2 Parts Of The Device	8
2.1 The Details Of Button	8
2.2 The Details Of Back Interface.....	9
2.3 The Details Of Handset	10
Chapter 3 Functions Of The Device.....	11
3.1 Power On/Off.....	11
3.2 Functions Of The Desktop.....	11
3.3 The Usage Of Settings	16
Chapter 4 Root Access Switch Steps.....	22
Chapter 5 Device Files Transfer	24
Chapter 6 Icons.....	26
Chapter 8 Accessories.....	29
Chapter 9 Troubleshooting	30

Chapter 1 Introduction

1.1 Product Features

- 15.6" 1920 × 1080 IPS LCD
- 10-point capacitive touchscreen with anti-bacteria, antivirus and anti-alcohol, supporting gloves touch
- High-performance Qualcomm ARM Kryo™260 processor, Octa-core 64bit
- Android 13.0 system, 4G RAM +64G Flash (8G+128G is optional)
- Handset for service call (optional)
- Built-in 16 MP × CMOS camera
- Built-in reading light
- With Ethernet port, supporting PoE+ (optional)
- Support Wi-Fi and Bluetooth 5.0
- NFC/RFID reader (optional)
- Optical Bonding & IP65 Front Panel
- Comply with IEC60601-1, EN60601-1, ISO22196, CE, FCC

1.2 Product Specifications

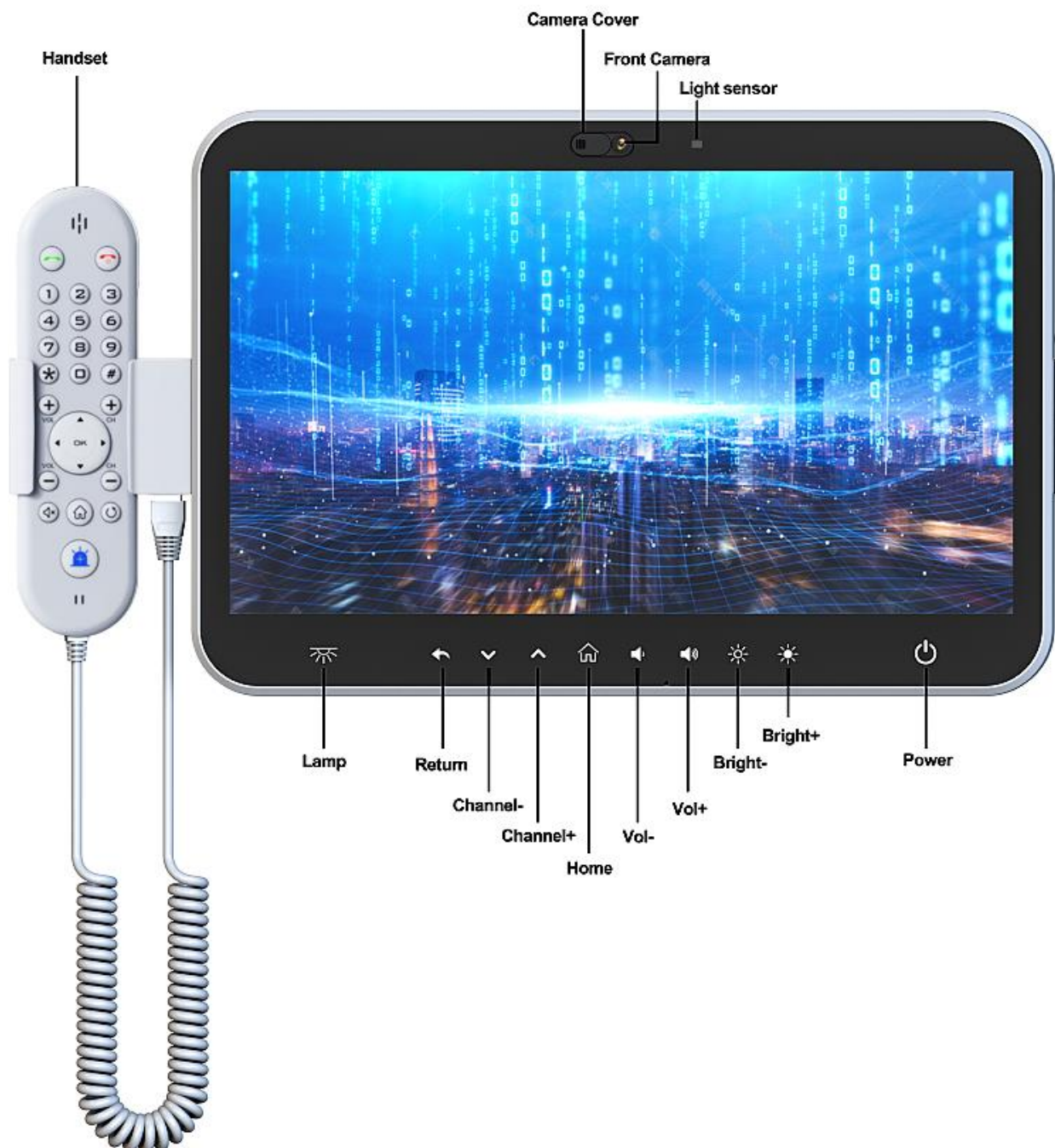
SYSTEM	Processor	Qualcomm ARM KryoTM260 processor, Octa- core 64bit
	Graphic	Adreno TM 610
	RAM	4G DDR4 (default) / 8GB (optional)
	ROM	64G eMMC (default) / 128GB (optional)
	OS	Android 13.0
	Video	Encoding: 4K@30fps, H.264/VP8; Decoding: 4K@30fps, H.264/VP8/VP9, 1080p@30fps, MPEG-2
DISPLAY	Audio	EVRC, EVRC-B, EVRC-WB, G.711, G.729A/AB, GSM- FR, GSM-EFR, GSM-H, AMR-NB, AMR-WB, AMR- eAMR, AMR-BeAMR
	LCD panel	15.6 ", IPS
	Resolution	1920(H) × 1080(V)
	Brightness	300 cd/m ² (optional: 500 cd/m ²)
	Contrast Ratio	800:1
	View Angle	85°/85°(L/R), 85°/85°(U/D)
	Touch Panel	Sensitive 10-point capacitive touchscreen
FUNCTION	WIFI	IEEE802.11a/b/g/n/ac; 2.4GHz & 5GHz
	Bluetooth	2402MHz~2480MHz

	NFC/RFID	Combo smart card reader & Mifare RFID (optional) Read/Write Mode: ISO/IEC 14443 A&B up to 848 kbit/s, ISO14443-4T=CL, FeliCa at 212&424 kbit/s, ISO/IEC 15693 read/write and iClass UID, ISO/IEC 18000 P3M3, MIFARE Classic encryption in read/write mode, MIFARE DESfire/EV1/EV2/EV3 in Native mode and ISO mode, MIFARE Plus/EV1NFC Forum type 1, 2, 3, 4, 5 tags NDEF read/write. Auto-list card mode.
	Camera	16 MP CMOS front camera
	Handset	Full-function handset with remote control (optional)
	Speaker	6Ω/2W
	Sensor	Light Sensor
	Function Key	Home, Return, Channel-, Channel+, Vol-, Vol+, Brightness+, Brightness+, Lamp,Power
USER INTERFACE	I/O ports	Earphone Jack × 2
		Handset Jack × 1
		USB HOST 2.0 × 1
		DC × 1
		RJ45 100M × 1 (PoE+ is optional)
		Internal Microphones × 2
		Type C(Service) × 1
OTHERS	DC IN	8 - 36V DC
	Power Consumption	<17W
	Operating Temp.	0°C to +50°C
	Storage Temp.	-20°C to +60°C
	Dimensions (LWD)	399.7 x 268.3 x 39 mm

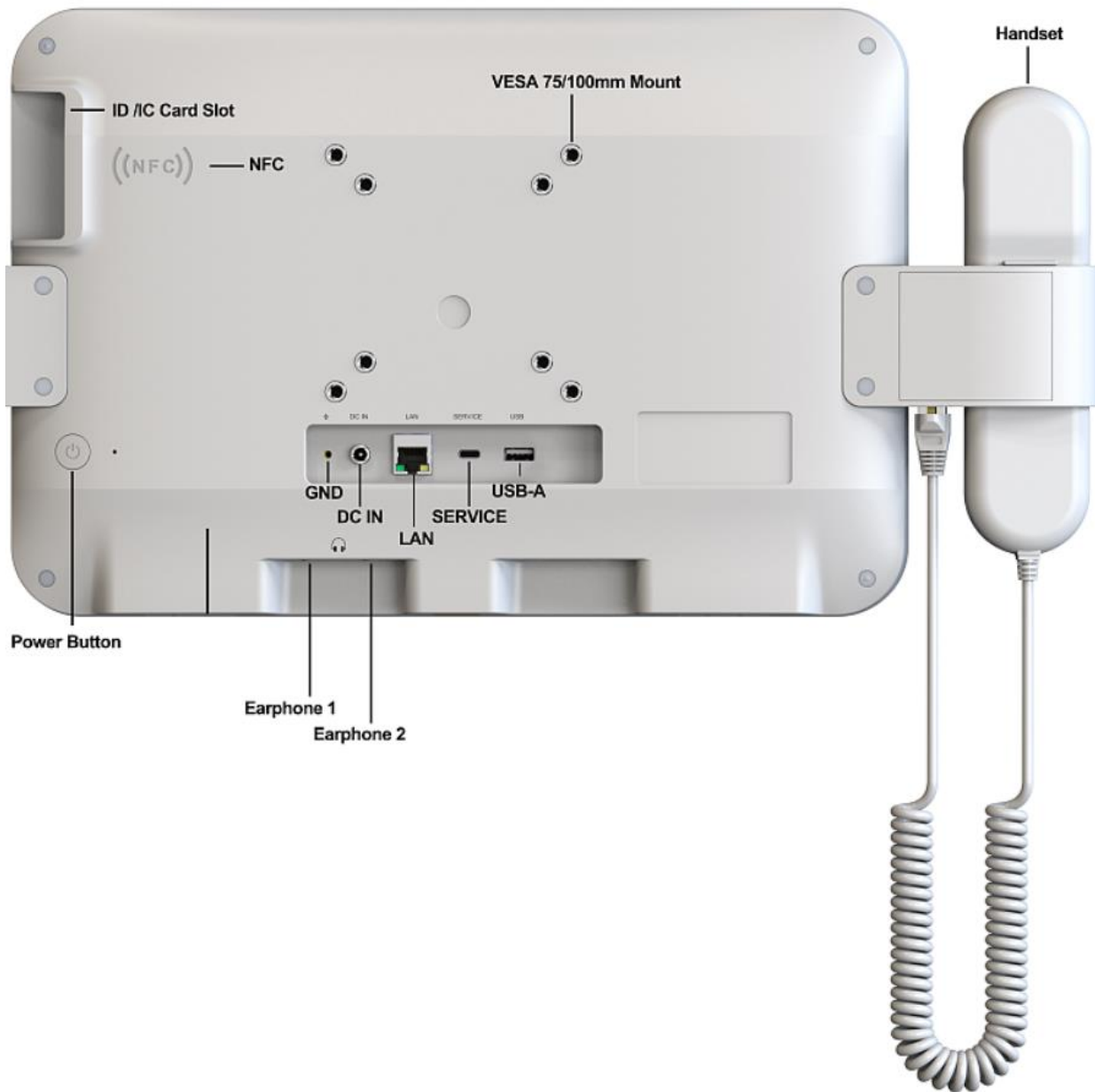
	Weight	2.15kg (without handset); 2.45kg (with handset)
ACCESSORIES	Standard	Power adaptor
	Optional	Handset
CERTIFICATION	IEC 60601-1, EN 60601-1, CE, FCC	
	ISO 22196	

Chapter 2 Parts Of The Device

2.1 The Details Of Button



2.2 The Details Of Back Interface



2.3 The Details Of Handset



Chapter 3 Functions Of The Device

3.1 Power On/Off

● Power On

1. When connect the power supply to the DC jack, the system will turn on automatically.

● Power Off

2. When the power is unplugged from the DC jack, the system will automatically turn off.

3. Press and hold the power button for about 2-3 seconds to display the shutdown menu, select the option to power off and then turn off the device, or chose to restart.

3.2 Functions Of The Desktop

● Shortcut Menu

Press and hold the desktop that will appear a menu, you can choose the wallpapers, widgets & home setting. See the image as below:

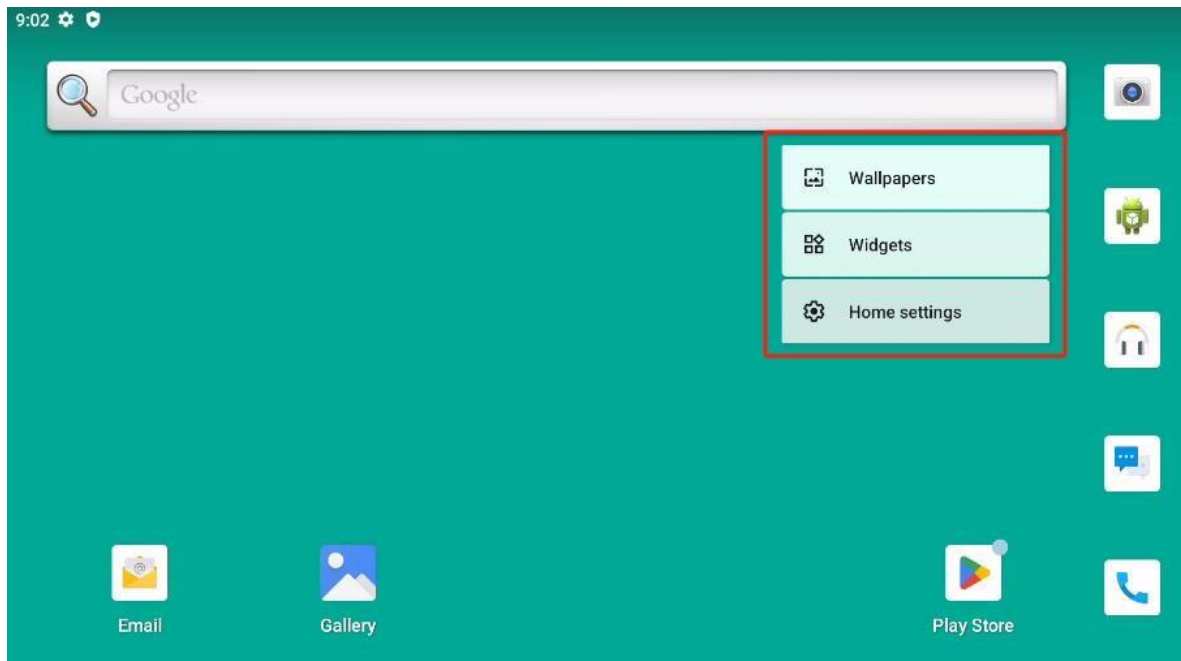


Figure 3.1.1 Shortcut Menu

● Notification Panel

Swipe your finger down at the top, and the notification bar will appear at the top of the main screen. Sliding down on the status bar will open the full screen notification panel. And click this icon , users can get more icons.

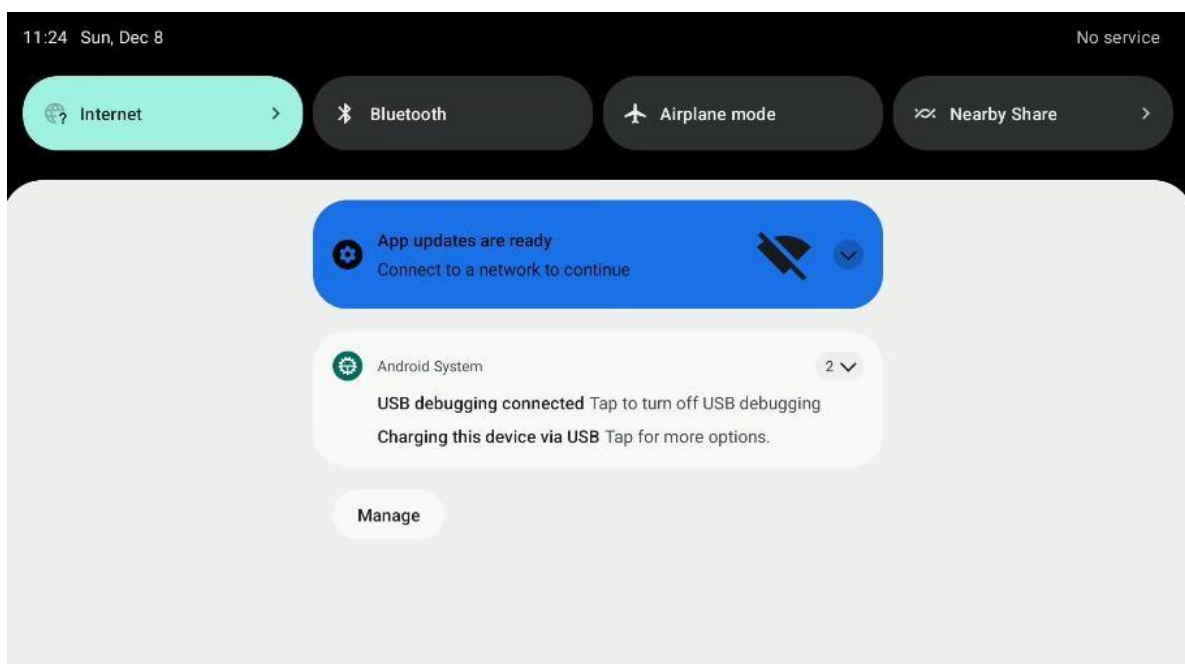


Figure 3.1.2

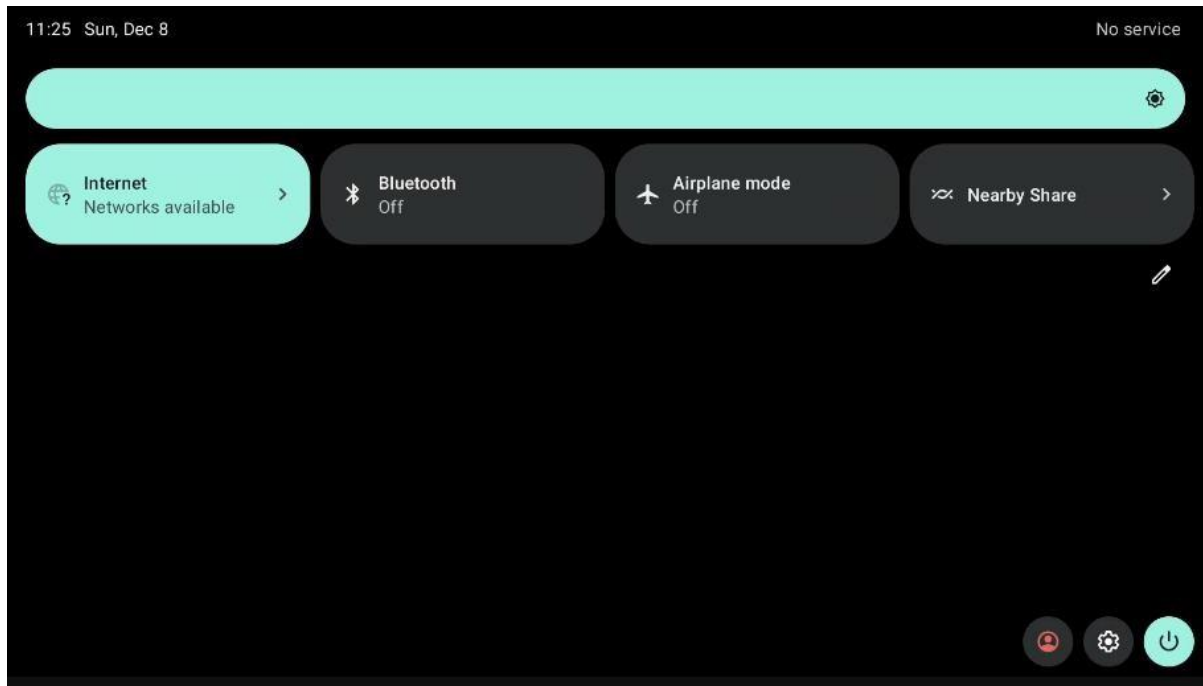


Figure 3.1.3 Notification Panel

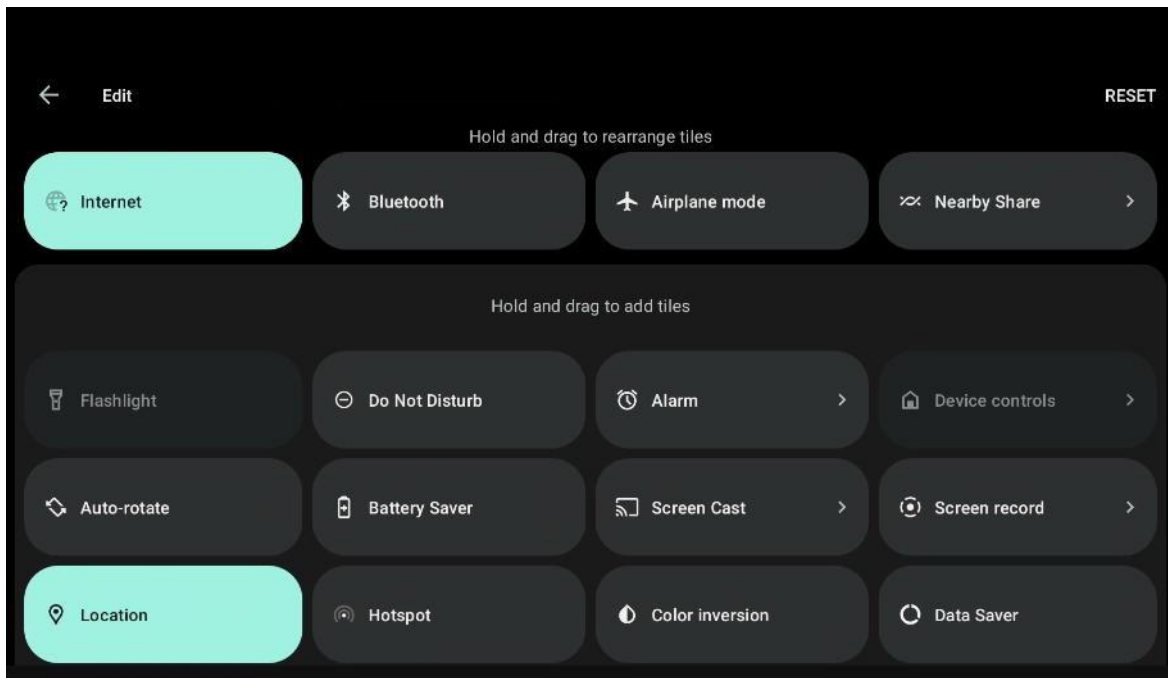


Figure 3.1.4

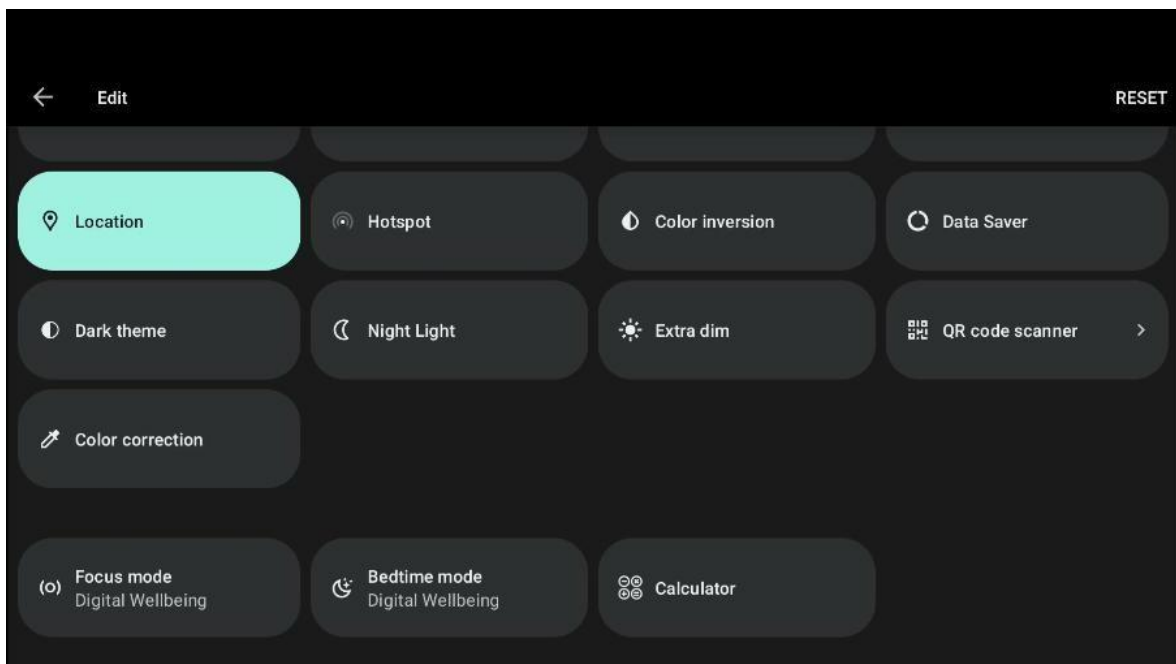


Figure 3.1.5 Full Screen Notification Panel

● Application Interface

Slide the finger up at the button and the applications interface will appear on the main screen. And if users want to use the application more quickly, long press the application icon, drag it up, and then drop it. When moving the wrong application, you can move it up and choose to cancel or uninstall it. The application that has

already appeared on the main screen, and if the users want to cancel, uninstall or move it to the other interface, see the Figure 3.1.7 Remove & Uninstall. (Only the applications by installing can be uninstalled, and the system's built-in applications cannot be uninstalled.)

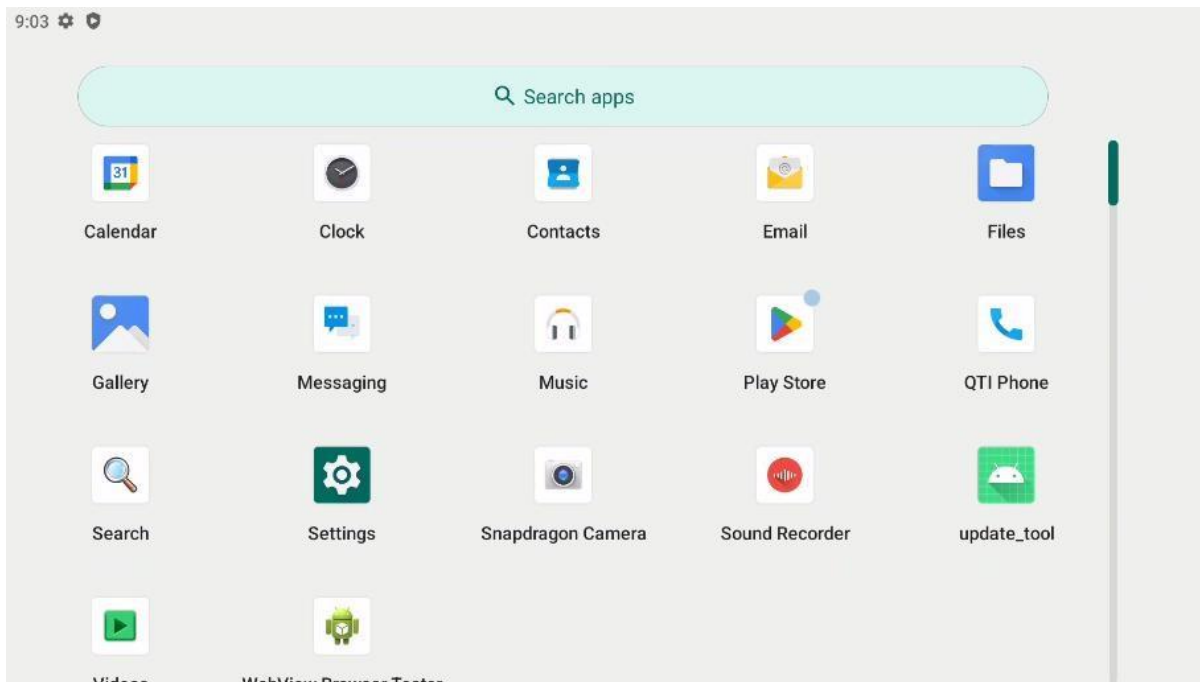


Figure 3.1.6 Apps Interface

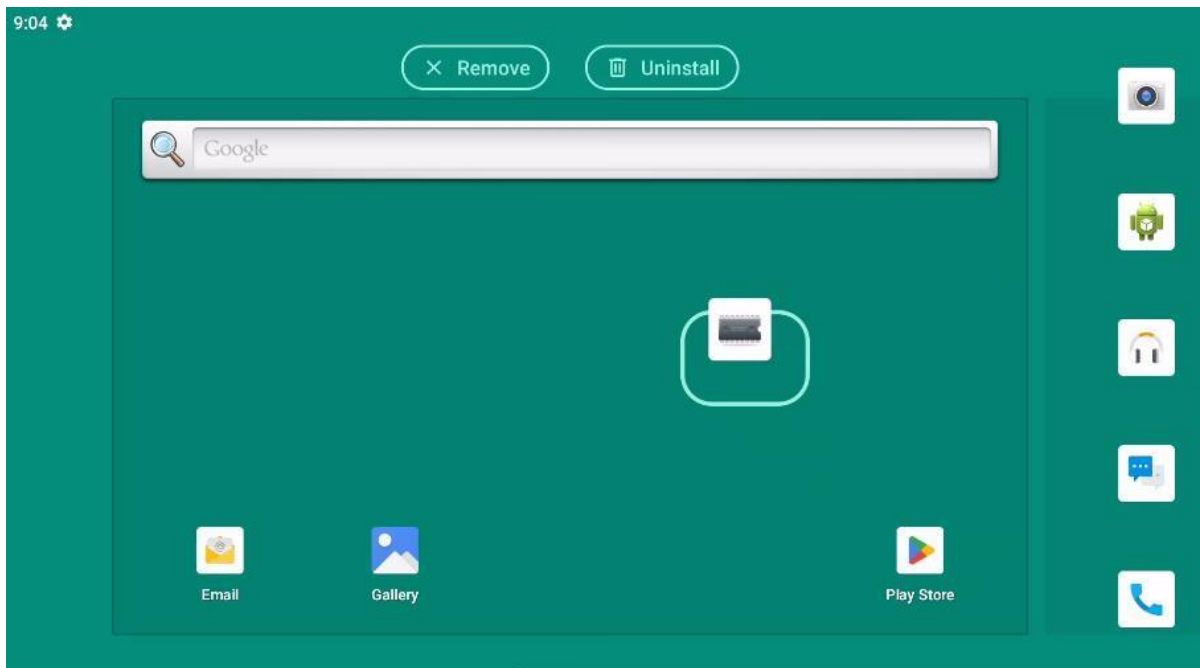


Figure 3.1.7 Remove & Uninstall

3.3 The Usage Of Settings

● Apps Settings

1. Click on this icon , and click “Apps” to view the details of each application.
2. All apps: View all apps.
3. Default apps: Click to view default applications.
4. Screen time: View the usage time of the application and set timers for your applications.
5. Unused apps: Click to view unused apps.
6. Special app access: The setting and access of some special applications.

● Notifications Settings

1. Manage app settings and notification history.
2. Change conversation settings and bubbles. After turning on the function of allowing apps to show bubbles, some conversations will appear as floating icons on other apps.
3. Set device and app notifications, lock screen notifications.
4. Set Do Not Disturb mode, wireless emergency alerts, turn on or off hide silent notifications in status bar, allow notification delay snoozing, notification dots on app icon, and enhanced notifications.

● Sound & Vibration Settings

Set sound, adjust volume, and switch between sound modes to ensure the best user experience.

1. Set the volume of media, calls, ring & notification and alarm by sliding back and forth.

2. Select the sounds of media, notification and alarm.
3. Turn on or off sounds: Dial pad, Screen locking, Charging, Vibration and Touch sounds.

● **Display Settings**

Adjust the display settings to suit the usage environment.

1. Brightness level: Adjust the screen brightness.
2. Adaptive brightness: Enable the device to automatically change the screen brightness to match the surrounding lighting conditions. (Increasing the brightness through the panel backlight button, it will automatically turn off.)
3. Lock screen: Show all notification content.
4. Screen timeout: The screen will turn off after being idle for a set period of time.
5. Dark theme: Uses a black background to help keep battery alive longer on some screen. Dark theme schedules waits to turn on until your screen is off.
6. Display size and text: Adjust the text size on the screen and the size of items / icons on the screen.
7. Night light: Eye care mode.
8. Auto-rotate screen: Turn automatic screen rotation on or off.

● **Accessibility**

1. Display: Setting display size and text, color and motion, Extra dim, Magnification, navigation switch.
2. Interface controls: It can get some functions through turning on / off the buttons. Like Accessibility Menu shortcut, Large buttons, powers button ends call, Auto-rotate screen etc.
3. Captions: Turn on the caption, it can choose live caption, and choose language, caption size and style.
5. Audio description & Audio adjustment: Hear a description of what's happening on screen in supported movies and shows. Combine channels when playing audio

through turning on / off the buttons.

6. Text-to-speech output: It can choose the use system language, and adjust speech rate & pitch via sliding the small circle left or right.

7. Functions: Click on system root, debug uart mode function to turn on / off. A password is required to turn on the function.

● **Security**

2. Google Play Protect: Regularly check apps and devices for harmful behavior, and notify you if any security risks are found.

3. Find My Device: After adding a Google account, you can turn on the "Use Find My Device" feature to find, lock, or reset this device if it's lost.

4. Screen lock: Select the screen lock method as None, Swipe, Pattern, PIN, and Password.

5. More security settings: Allow "Find My Device" to lock or erase a lost device; encrypt the device and credentials; turn on the "Use app pinning" feature to pin the current app until it is unpinned.

● **Location**

1. Turn on the "Use location" function to view the location information accessed by the app.

2. App location information permission: Apps with this permission can access this device's location.

3. Location Services: Location Service may use sources like GPS, Wi-Fi, mobile networks, and sensors to help estimate the device's location.

● **Digital Wellbeing & Parental Controls**

It can view specific usage times, set up bedtime mode and focus Mode. Manage notifications, set the Do Not Disturb mode for the application. And set up parental controls to supervise this phone remotely with the Family Link application for parents and keep an eye on screen time and set limits.

- **System**

1. Languages & input:

I. Languages: Setting the language, users need to click on the language, tap add Language and select the language. Then click on this icon  and drag it up to the first position. Tap the icon , can remove the other language.



Figure 3.1.8 Add Language

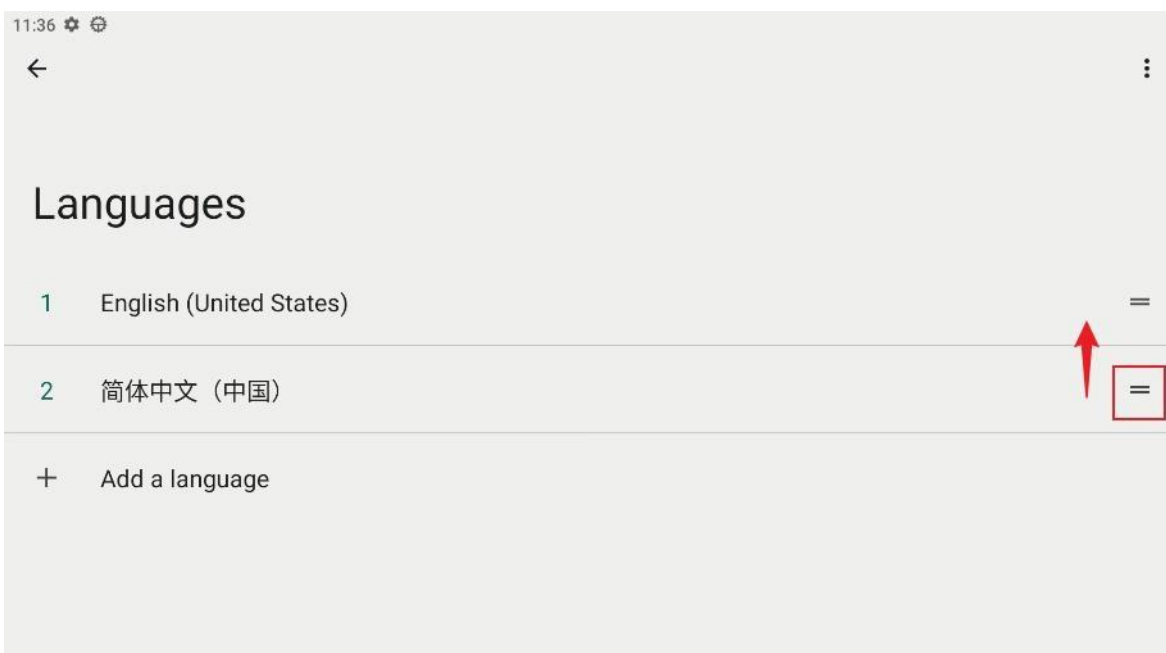


Figure 3.1.9 Change Language Preference

II. Keyboard:

- i. On-screen keyboard: Turn on or off Gboard and Google voice typing.
- ii. Physical keyboard: Choose whether to connect a physical keyboard and display available keyboard shortcuts.

III. Speech:

- i. Voice input: Setting speech recognition and synthesis from google.
- ii. On-device recognition: Languages can be added and automatically updated.
- iii. Text-to-speech output: Tapping it can select languages, speed rate and pitch.

V. Tools:

- i. Spell checker: Users can select the language, and system can check according to this language.

- II. Personal dictionary: Tap this icon  to add some words.

- iii. Pointer speed: Adjust the pointer speed by dragging the line.

2. Gestures:

It can set gesture navigation “3-button” navigation and power button navigation. Go back, Home, and switch apps with buttons at the bottom of your screen when setting 3-button navigation.

- 3. Date & time: It can manually or automatically set the date and time, time zone, as well as use location info to set time zone, use locale default and 24-hour format.

- 4. Backup: When it is turned on, the backups are uploaded to google and encrypted using google account password.

- 5. Multiple users: There are owner and guests, users can tap “Add user” to add more guests.

- 6. Reset options: It can choose to reset the following three options.

Wi-Fi, mobile & Bluetooth,
App preferences,
Erase all data (factory reset).

- **About Device**

Users can check the device name, MDN, Legal information, SIM status, Model, IMEI, Android version, IP address, Wi-Fi MAC address, Bluetooth address, Up time and Build number.

Chapter 4 Root Access Switch Steps

Step 1: Enter the interface of the Root Access setting from “Settings”-> “Accessibility”

-> “System root”, as shown in the Figure 6.1 & 6.2.

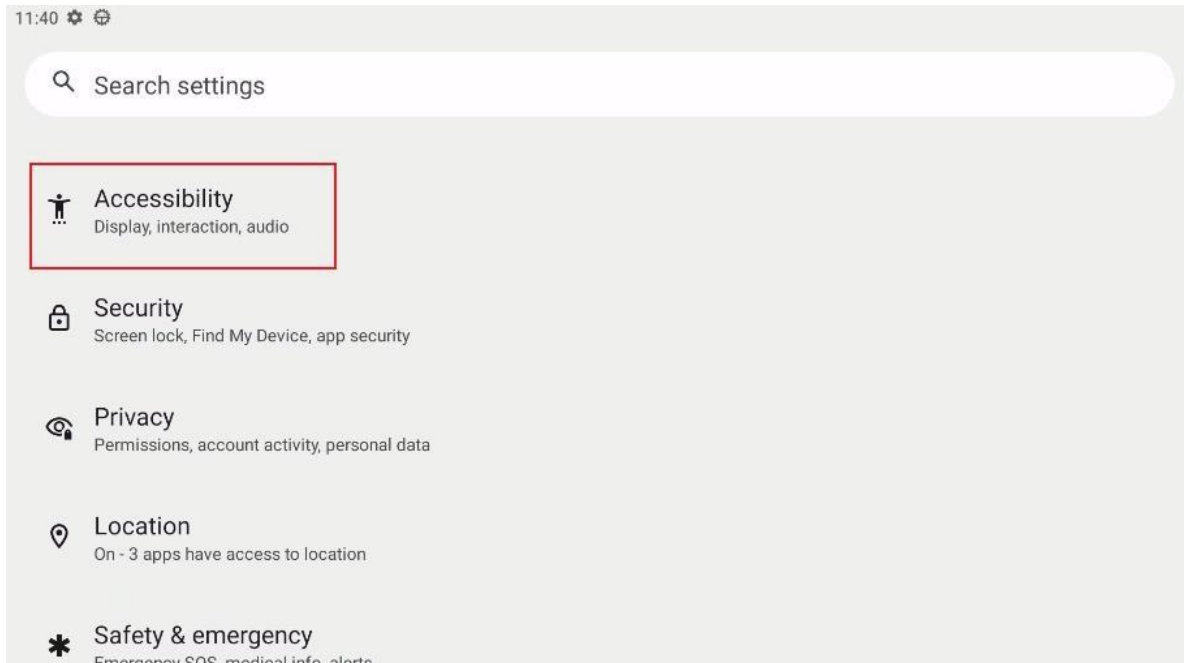


Figure 4.1

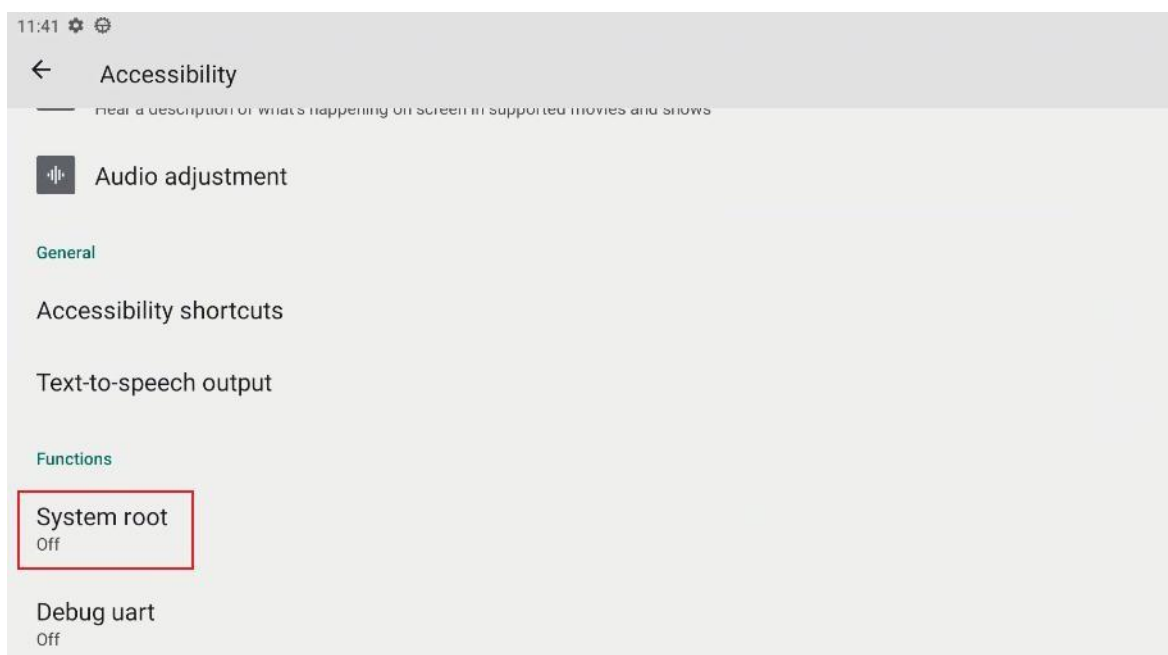


Figure 4.2

Step 2:

- 1) Turn on / off the Root Status. A dialog box as shown in Figure 6.4 will pop up and please enter the password (The initial password is qwertyuiop).
- 2) Modify the password after clicking the Password Config. A dialog box will pop up, as shown in Figure 6.5.

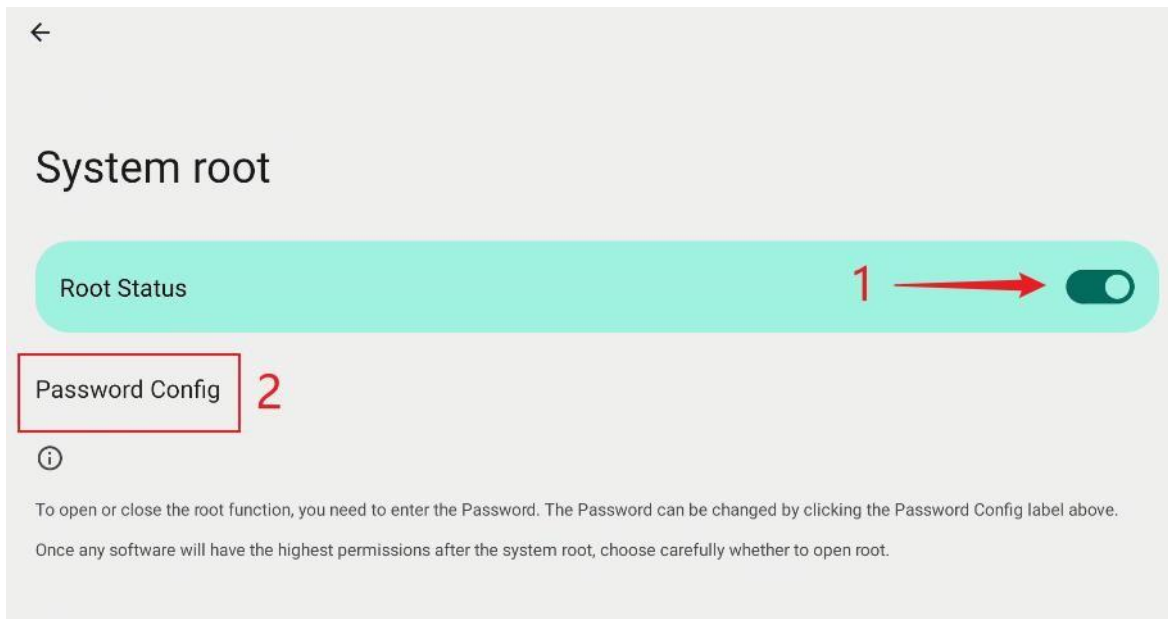


Figure 4.3 The Interface of Root Status Setting

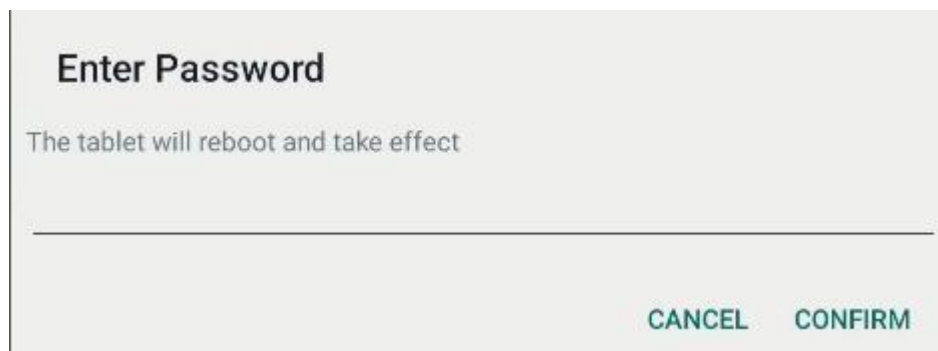


Figure 4.4 Enter Password

A dialog box titled "Configure Root Password" with a light gray background. It contains three text input fields labeled "Origin Password", "New Password", and "Confirm New Password". Below these fields is a checkbox labeled "Show password". At the bottom right, there are two buttons: "Cancel" and "Save".

Configure Root Password

Origin Password

New Password

Confirm New Password

☐ Show password

Cancel Save

Figure 4.5 The Dialog Box of Modifying Password

Note: If the device is restored to the factory setting, the root setting state will not be reset, and the password will be restored to the initial password.

Chapter 5 Device Files Transfer

The files, such as pictures and audio files, can be transferred between your computer and your device by an USB Type-C cable.

Connect the device to the computer by an USB Type-C cable, and open the prompt message of the device, and then select "File Transfer".

← USB Preferences

USB controlled by

☐ Connected device

☒ This device

Use USB for

☐ File Transfer

☐ USB tethering

☐ MIDI

☐ PTP

Figure 5.1

Find out the “Device” in “This PC”.

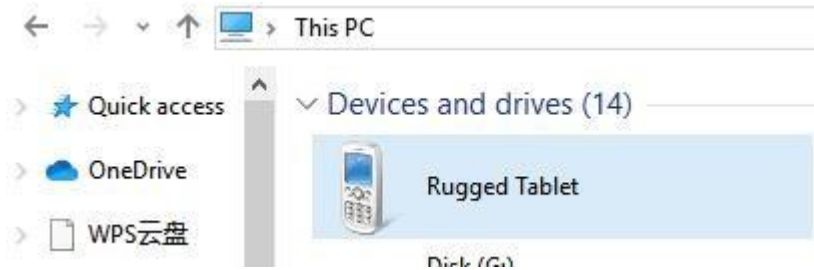


Figure 5.2

Chapter 6 Icons

There is a drop-down notice bar in the Home Page.

Name	Icon	Description
Internet		Long press to enter the setting windows. Choose a available network to connect. The number of displayed signal bars indicates the strength of the connection signal.
Bluetooth		Long press to open the bluetooth setting, choose the bluetooth name of the corresponding device to connect. After successfully connect, files can be sent and transferred.

Airplane mode		When the airplane mode is activated, the phone call, WiFi, Cellular Network and Bluetooth cannot be used.
Nearby Share		After opening, users can wirelessly transfer files between nearby Android devices (such as using Bluetooth for transmission), long press to enter the settings interface, where they can set the device name, whether it is visible to nearby devices, etc.
Do Not Disturb		After activating the Do not Disturb mode, the device will be in a silent state, no notifications are displayed, and no notification sound.
Alarm		Click to enter the alarm setting interface.
Screen Cast		Activate / Deactivate the cast screen function.
Screen record		Click to enable screen recording. While recording, android system can capture any sensitive information visible on the screen or playing on the device. This includes passwords, payment information, photos, messages, and audio.
Location		Click to enable device positioning.

Hotspot		After activating the Wi-Fi hotspot, the device can be used as a Wi-Fi transmitter.
Color inversion		After activating, the UI interface will show as invert colors.
Data Saver		After activating, it can help users save the data usage.
Dark theme		Click to turn on dark theme.
Night Light		Eye protection mode.
Extra dim		After turning it on, the screen will dim. Long press to set the brightness and darkness intensity.
QR code scanner		Click to enter the QR code scanning interface.
Color correction		Turn on the screen color correction function and long press to set specific parameters. (Adjust how colors display on your tablet)
Focus mode		When you need time to focus, you can pause distracting apps and hide their notifications.

Bedtime mode		Silence your phone, dim the wallpaper, and change the screen to black and white at bedtime.
Calculator		Open Calculator.

Chapter 8 Accessories

- | | |
|---|------|
| 1) DC 12V power adaptor | 1pcs |
| 2) User manual card | 1pcs |
| 3) Handset (optional) (With buttons or without buttons) | 1pcs |

Chapter 9 Troubleshooting

Problems	Problem Description	Solutions
Power Problems	Unable to boot.	Please check if the connection is correct.
		Bad contact: please check the power socket and plug.
Display Problems	No display.	Please restart the system.
	When clicking a function, the execution time is too long to activate.	
	The screen switching process is delayed and stagnant, causing the screen to fail to switch smoothly.	
	Blurred display.	Check whether there is dust on the surface of the display. If yes, please wipe the dust on the surface with a soft cloth that does not drop cotton chips.