



 AutoTRON

MAA1015

User's Manual



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Revision History

The revision history of MAS1015 User Manual is described below:

Version No.	Revision History	Date
1.0	Initial Release	2025/03/21

Thank you for choosing MACTRON Tablet

This instruction serves to enable users to get to know our product as soon as possible. Here we have made a brief introduction to the key layout and definitions in figures and words. And a brief explains for the basic operating functions

Attention:

1. The instructions in this guide refer to the Android system. If you are using other operating systems, some operations may be slightly different.
2. The instructions describe the general functions of most models. Your computer may not have some functionality, or some features on your computer are not described in the manual.
3. This instruction applies the following models: MAA1015 rugged tablet.
4. The illustrations in this instruction may be different from the product itself.

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1. Getting Started

Thank you for purchasing our MAA1015 products! To help you get familiar with the product faster, please refer to the user manual if you have any problems during use. This document mainly introduces the interface and system usage instructions of the rugged tablet MAA1015 and helps you quickly understand the use of the product through the picture instruction. If you have any insoluble problems during use, please contact our technical personnel to deal with them.

1.1 Packing List

After unpacking the shipping carton, you should find these standard items. If you discover any of the items listed below are damaged or lost, please contact your local distributor immediately.

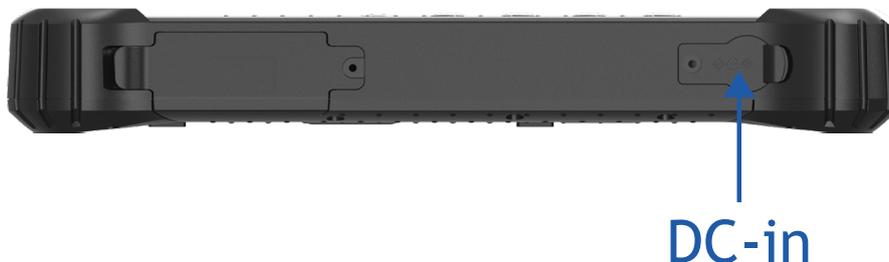
- MAA1015 x 1
- Hand-Strap x 1
- AC Power Adapter x 1

1.2 Connecting to AC Power

CAUTION : Use only the AC adapter included with your Tablet. Using other AC adapters may damage the Tablet.

You must use power when starting up the Tablet for the very first time.

1. Open the waterproof plug of DC port. (Place the tablet flat on the desktop, left position)



2. Insert the DC head of the power adapter into the DC port of the device.
3. Now you can power on the device.

1.3 Turning On and Off the Tablet

Turning On

Press the power button (⏻). The Android operating system should start.



Turning Off

When you finish a working session, you can stop the system by turning off the power or leaving it in Sleep or Hibernation mode:

To...	Do this...
Power off (Shutdown)	Click [⏻ Power] → [Power Off].

2. Product Information

2.1 Specifications

Display	
Display Type	10.1 inch IPS TFT LCD
Resolution	1920 x 1200
Aspect Ratio	16:10
Brightness	1000 nits
Touch Panel	10-point Capacitive Touchscreen, Tempered Glass, Hardness 7H
System	
CPU	Qualcomm® QCM6490 Processor, Octa-core 2.7GHz
GPU	Adreno™ GPU 643
Memory	8GB LPDDR4x
Storage	128GB eMMC
Operating System	Android 14/ GMS
I/O Ports	1 x USB 3.0 Type-A 1 x USB 3.0 Type-C (Data & Charging) 1 x ϕ 3.5mm Standard Earphone Jack 1 x Micro SD (Max. 512GB) + 1 x Nano-SIM (three-in-one card slot) 1 x DC-IN Supports 5V/4A Charging 1 x HDMI 1 x 12PIN Pogo Pin
WiFi	Wi-Fi 6E & DBS, IEEE 802.11a/ b/ g/ n/ ac/ ax, Wi-Fi 2 x 2 MU-MIMO
4G	4G
Bluetooth	Bluetooth 5.2
GPS	GPS/GLONASS/BDS; Dual-frequency L1 + L5
Physical	
Camera	Front 5MP; Rear 13.0MP, automatic focusing with astigmatism
Speaker	1 x 1W speaker
Color	Grey
Buttons	1 x Power (Yellow) 1x Volume + Key

	1 x Volume - Key
	1 x P1 Key (HOME Key)
	1 x F Key (This button can be customized when the scanner is not equipped.)
Sensors	G-sensor, Light sensor, Gyroscope, Compass
Data Collection	Fingerprint Module
	Barcode scanner Module
	NFC Module
Battery	3.8V/10000mAh
Using Time	6 hrs (Default 50% volume, Connected to WiFi, Default 200 nits brightness, Playing 1080P HD video)
Power Adapter	DC 5V/4A
Standard Accessory	1 x Power Adapter
	1 x Hand Strap
Product Dimension	274.9 x 188.7 x 22.2mm (WxHxD)
Product Weight	1028g
Box Dimension	369 x 205 x 60mm (WxHxD)
Box Weight	1750g
Environment	
IP Rating	IP65
Drop Test	1.22m drop resistance
Certification	CE/ MIL-STD-810H/ CEC
Operating Temperature	-20°C to 60°C (-4°F ~ 140°F)
Storage Temperature	-30°C to 70°C (-22°F ~ 158°F)
Relative Humidity	95% Non-Condensing
Warranty	2 Years

2.2 Product Overview

Note: Depending on the special model you purchased, the look and color of the device may be different from the graphics shown in this manual.

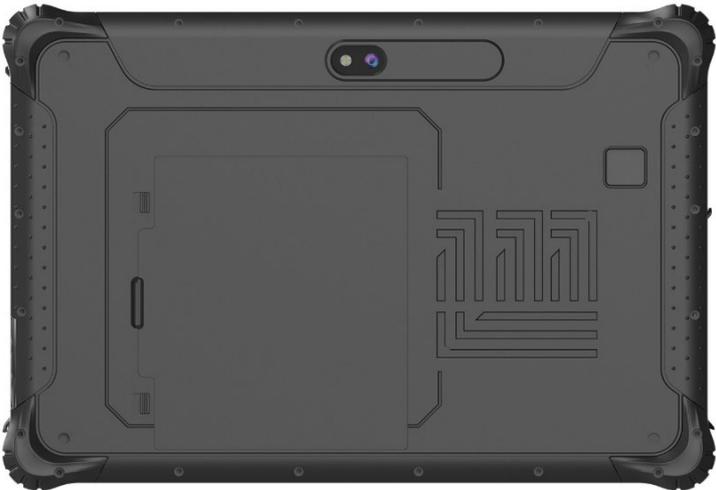
Note: Please open the waterproof plug before using the ports or device. When not using ports or device, please completely cover the waterproof plug to isolate water and dust.



Front View



Rear View



Top View



Bottom View



Side View



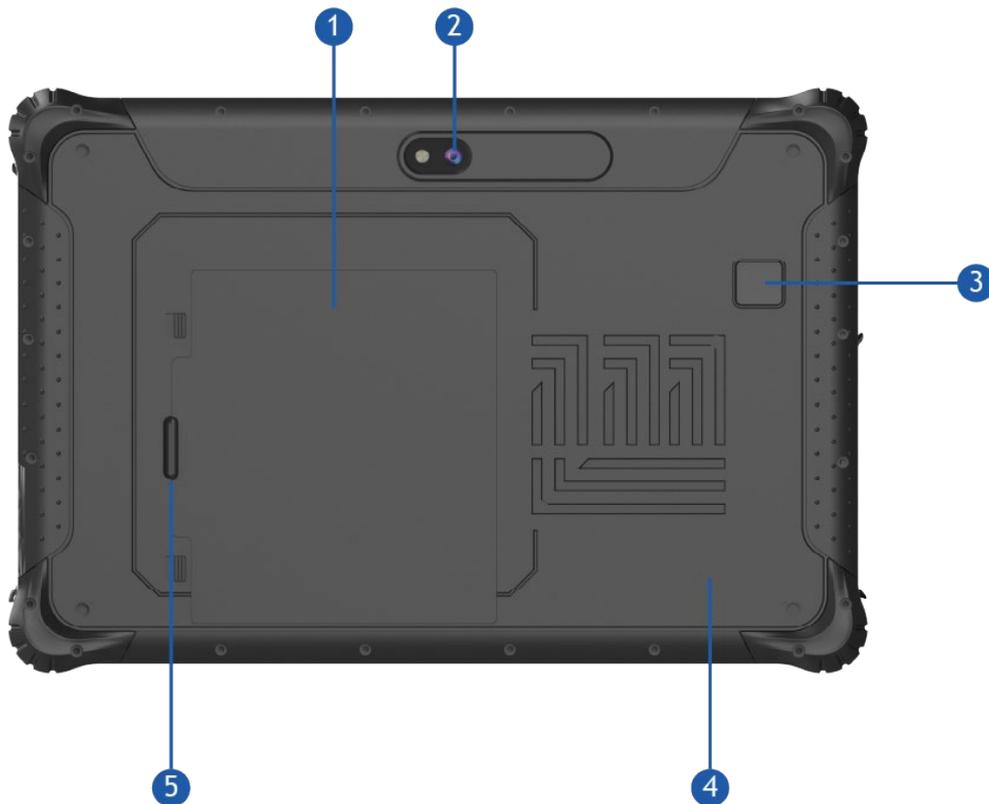
2.3 System Configuration

2.3.1. Front Components



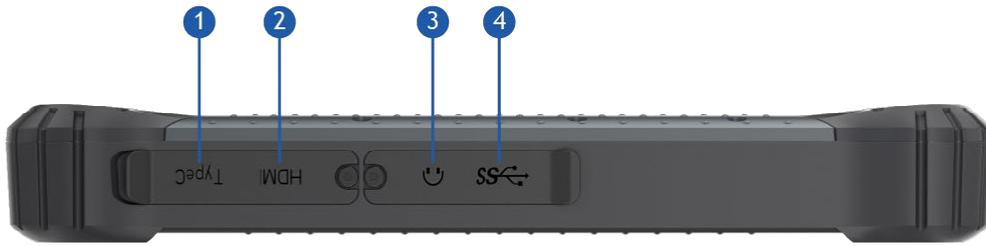
Ref. No.	Component	Description
①	Camera	5MP, supports photograph and video
②	F Key	Barcode Scan key by default, for fast scan;
③	HOME Button	Pressing the HOME button can switch back to the desktop.
④	Volume Button +	Used to adjust and increase the volume.
⑤	Volume Button -	Used to adjust or reduce the volume.
⑥	Power Button	In shutdown mode, press and hold the power button to power on the device; In the startup mode, short press the power button to turn off the screen and wake up the screen, press and hold the power button to power off or restart the device, or urgent call for help;

2.3.2. Rear Components



Ref. No.	Component	Description
①	Battery cover	Protect internal battery.
②	Camera	13MP, supports photograph and video;
③	Fingerprint Module	Fingerprint recognition
④	NFC Module	NFC recognition
⑤	Battery latch	Lock internal battery (Inside the battery cover).

2.3.3. Left-Side Components



Ref. No.	Component	Description
①	USB Type-C Port	For charging or transmitting data through the data line
②	HDMI Interface	High-Definition Multimedia Interface, HD media
③	3.5mm Earphone Jack	Connect the audio device.
④	USB 3.0 Port	Connects a USB device.

2.3.4. Right Components



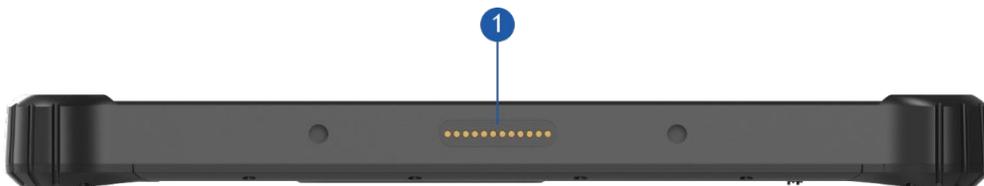
Ref. No.	Component	Description
①	Module Port	Supports an RJ45 network port (10/100M adaptive), one DB9 serial port (RS232), and one USB 2.0 port as options, with the RJ45 network port being standard by default.
②	DC Jack	Connect the power adapter.

2.3.5. Top Components



Ref. No.	Component	Description
1	Scan Window	This window is where the optional scan module can be installed. If the scan module is installed, the user can open notes, websites, scan apps, etc. (any place where a cursor can be used to input content). By pressing the F scan button, the scan window will emit a scanning light. Align the light with the barcode to scan and read the barcode data on the device.

2.3.6. Bottom Components



Ref. No.	Component	Description
1	Pogo Pin	Used to connect the docking charger, expand the USB port and charging port;

3. Operating Your System

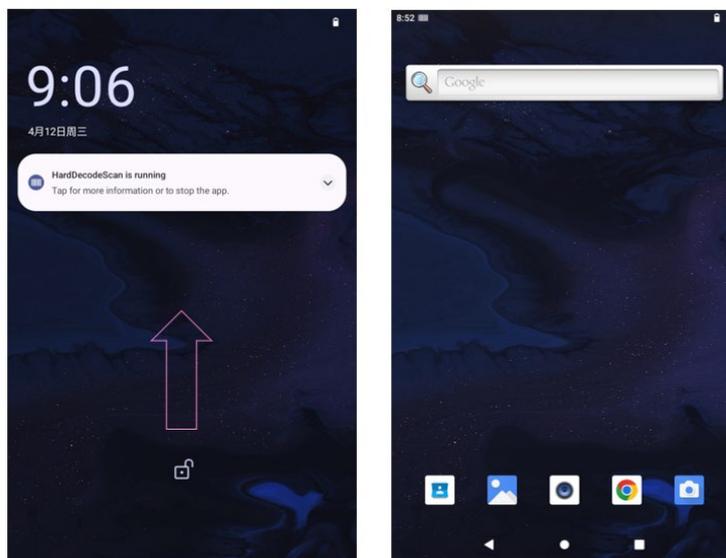
This chapter provides information about the use of the Tablet. If you are new to Tablets, reading this chapter will help you learn the operating basics. If you are already a Tablet user, you may choose to read only the parts containing information unique to your Tablet.

CAUTION :

- Do not expose your skin to the Tablet when operating it in a very hot or cold environment.
- The Tablet can get uncomfortably warm when you use it in high temperatures. As a safety precaution in such a circumstance, do not place the Tablet on your lap or touch it with your bare hands for extended periods of time. Prolonged body contact can cause discomfort and potentially a burn.

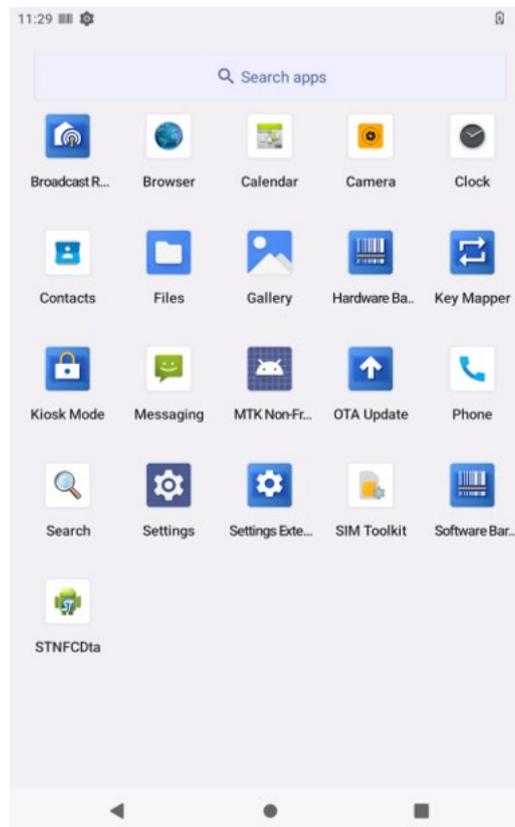
3.1 Display Layout

Swipe up to display, as shown in the following figure.



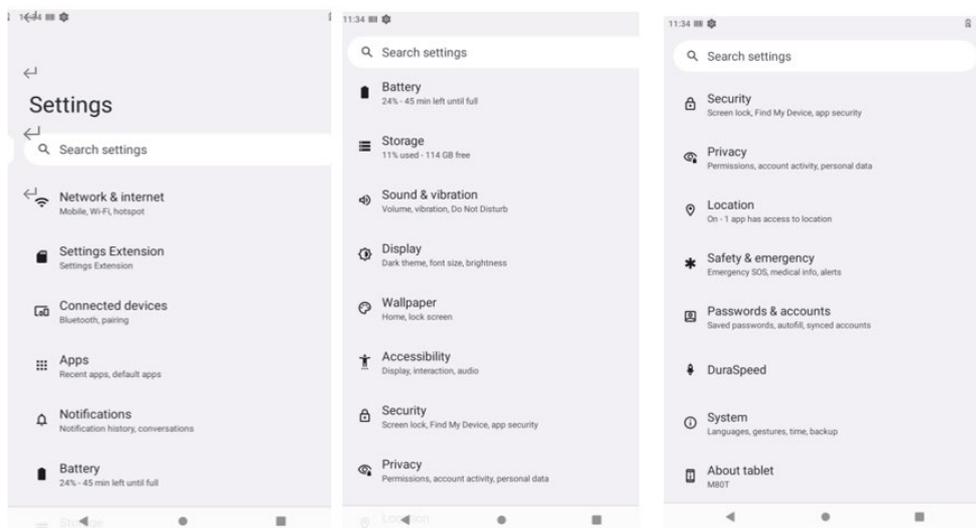
3.2 Display Menu Introduction

All applications are showed in here. In this interface, you can quickly start and operate the application.



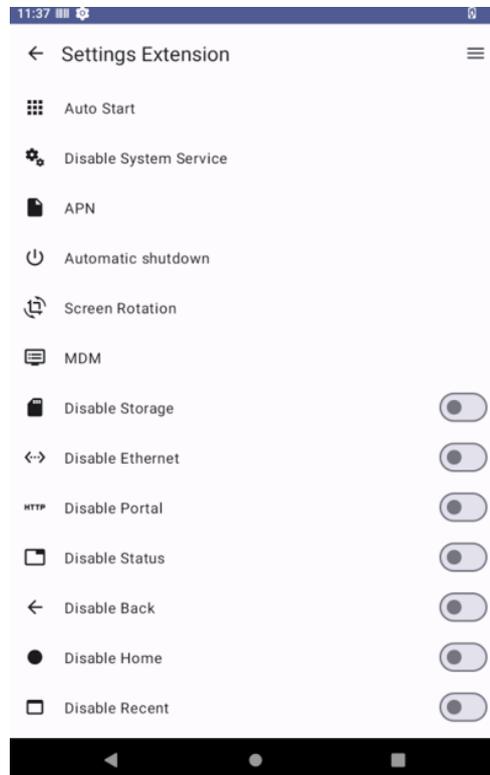
3.3 System Settings

Settings: Users can set the system in this interface.



3.4 Extended Settings

Under this setting function you can choose the function you need to realize. For example, boot software, disable status bar, auto shutdown and so on.

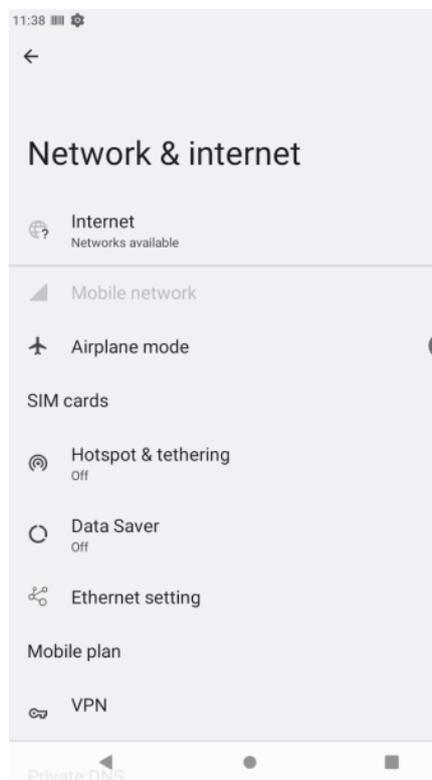


3.5 Network and Internet

You can set WLAN, mobile network, and Ethernet, query network traffic usage, hotspot, network sharing (support hotspot continuation), set SIM card, flight mode, VPN connection, and other functions in this interface.

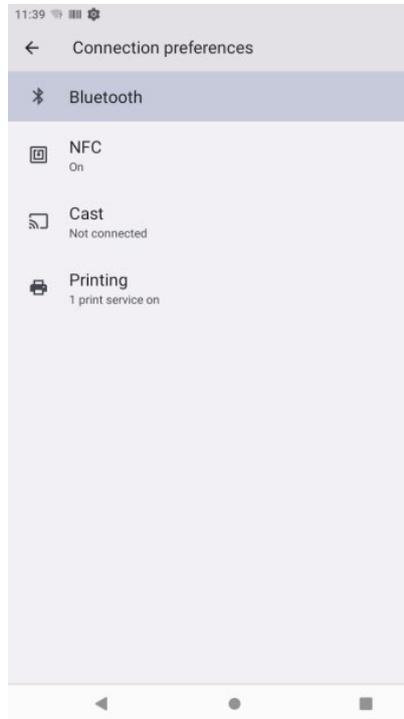
3.5.1 Wi-Fi Settings

You can search for and connect to Wi-Fi networks, set Wi-Fi preferences, view saved networks, and check traffic usage in this interface.



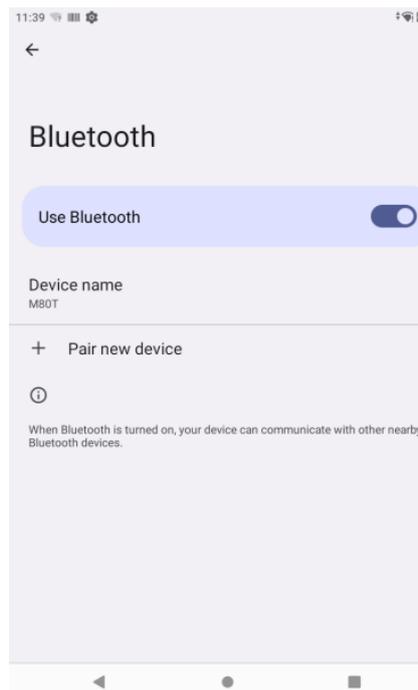
3.5.2 Connected device

In this interface, you can set Bluetooth, NFC, projection, print, view files received by Bluetooth, and so on.



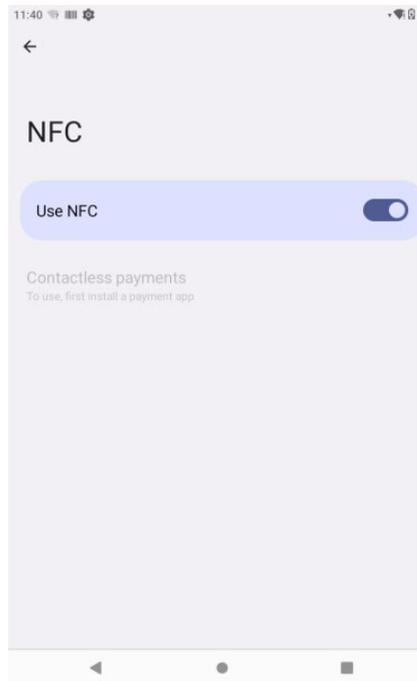
3.5.2.1 Bluetooth Settings

You can search and match Bluetooth in this interface.



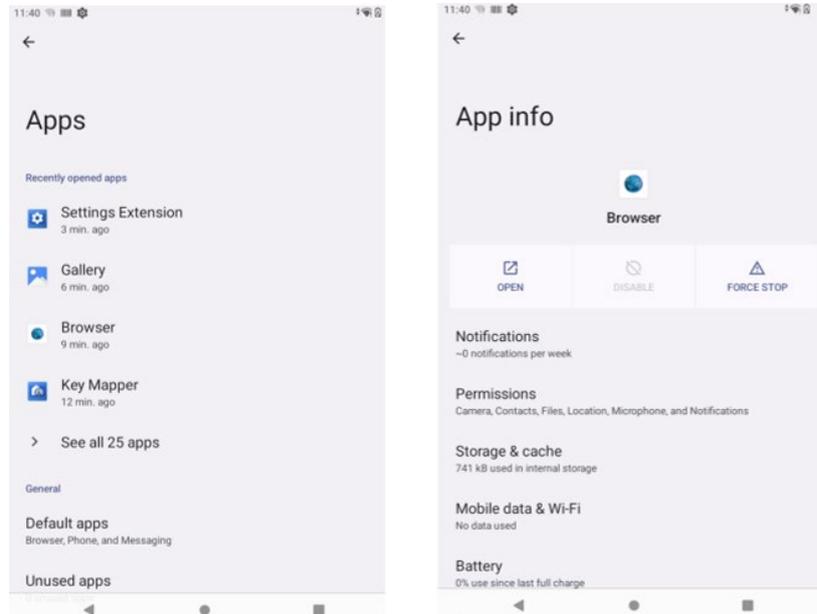
3.5.2.2 NFC Settings

You can set the NFC function in this interface, which supports card reading and importing functions and touch payment.



4. Applications and notifications

You can view all applications, notification Settings, default applications, and permission management in this interface.



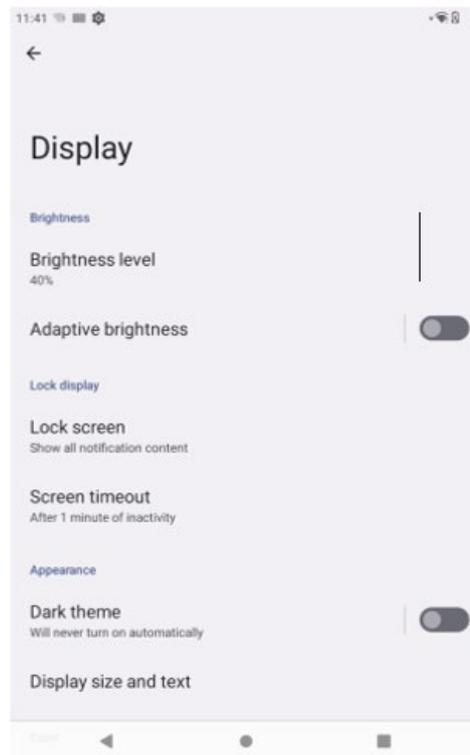
4.1 Battery

You can view the remaining battery power, the power saving mode, and battery power percentage in this interface.



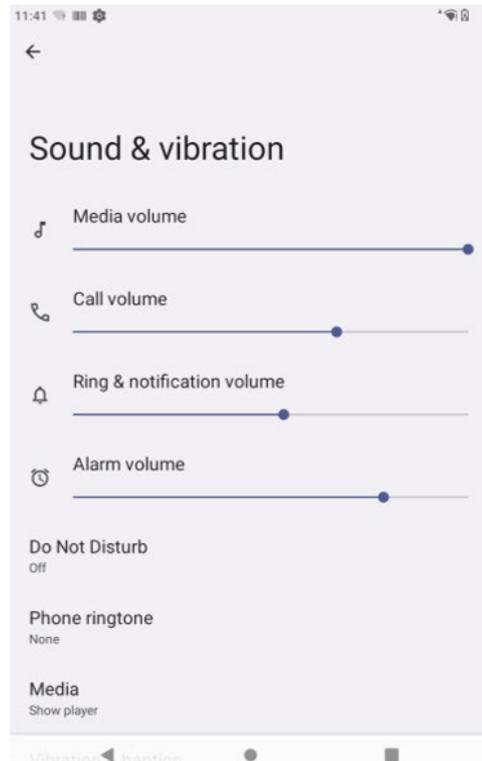
4.2 Display

In this interface, you can adjust the brightness, set night mode, wallpaper, dark theme, eye protection mode, automatic rotation screen, font size, display size, and screen saver, lock the screen, and wake up the device when picking it up, and other functions.



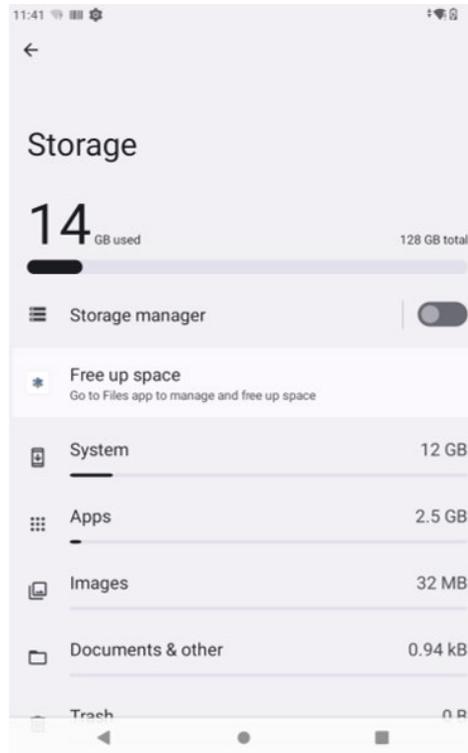
4.3 Volume

You can set the media volume, call volume, ringtone volume, alarm volume, incoming call vibration, Do-Not-Disturb mode, block ringing (press the power button and volume + at the same time), ring tone, notification tone, alarm tone, and other functions.



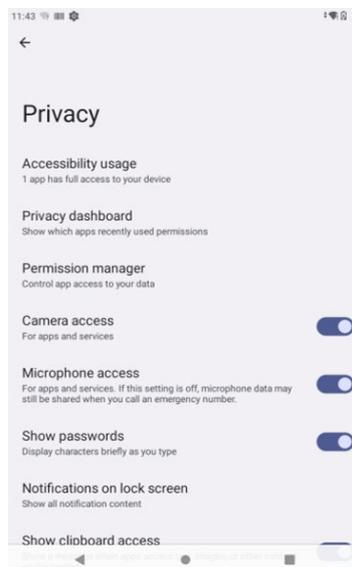
4.4 Storage

You can view the memory usage and space occupied by applications in this interface.



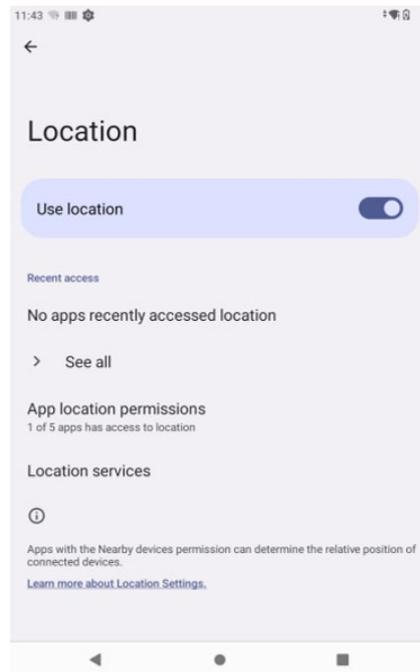
4.5 Privacy

You can view the license status of each software in this interface, set it to display briefly when entering a password, and set whether the lock screen displays the notification.



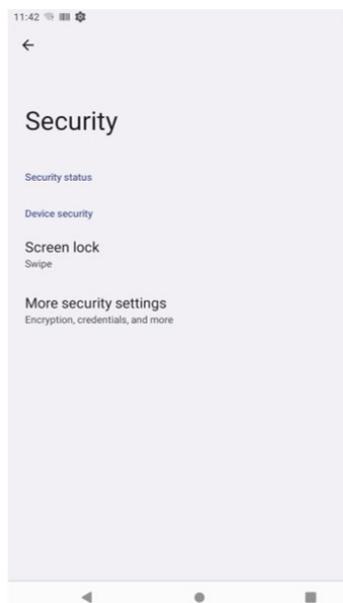
4.6 Location

In this screen, you can turn GPS on or off, and allow or restrict the use of an application to obtain location information.



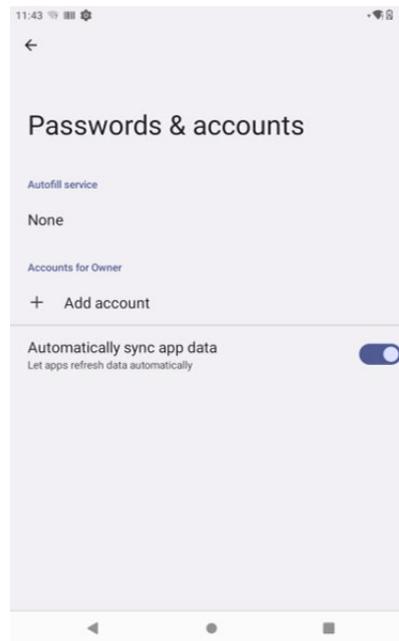
4.7 Security

In this interface, you can set screen lock mode (none, slide, pattern, PIN code, password), device management application, encryption and credentials, fixed screen, etc.



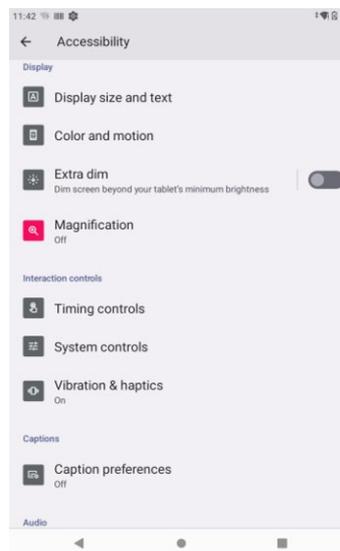
4.8 Account

You can add other accounts in this interface. (Exchange, IMAP, POP3)



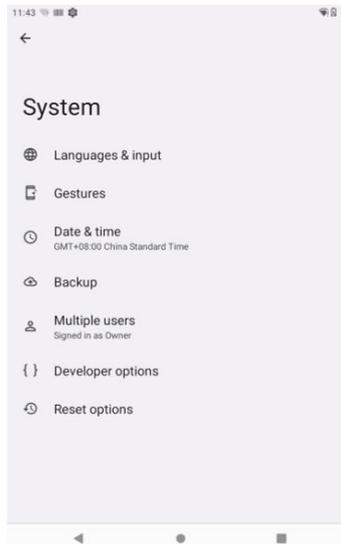
4.9 Accessibility

Settings for screen readers, displays, and interactive controls. For example: font size, display size, dark themes, enlarged gestures (3 consecutive screen clicks), color correction, color reversal, removing animations, pressing the power button to end a call, etc.



4.10 System

You can set the wireless upgrade, Language, input method, date, time, backup, reset options, as well as the debugging related to the developer options (to enter the “about the phone”, click 7 times of version number).



4.10.1 Language & Input

You can add and switch other languages, and you can set up a virtual keyboard and a physical keyboard.

4.10.2 Date and Time

You can set the date and time manually or obtain them automatically over the network. You can set the display in 24-hour format.

4.10.3 Hand Gestures

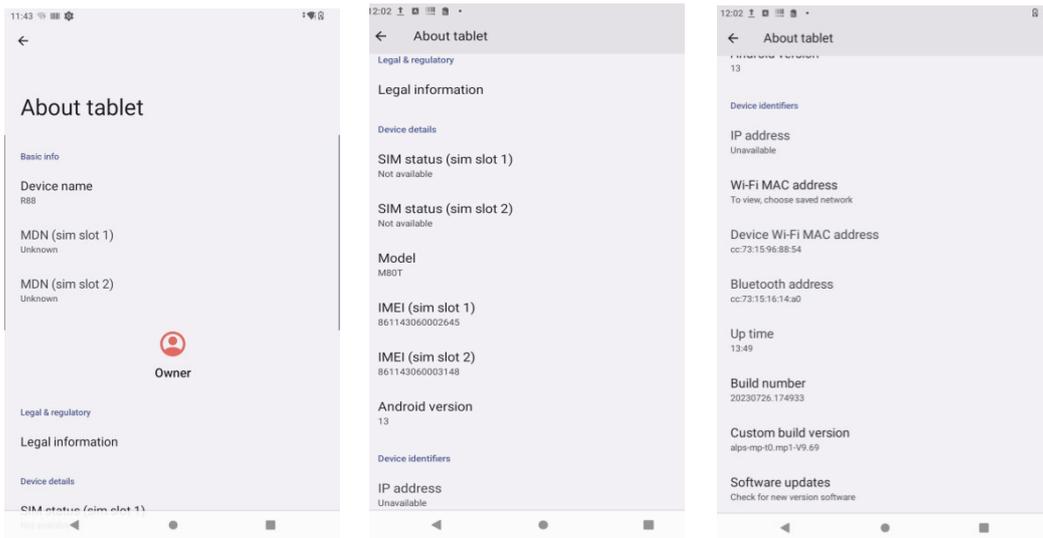
You can quickly turn on the camera (press power button twice) by gesture Settings; System navigation can be switched in gesture navigation and three-button navigation; Vibration when incoming call (press power button and volume + at the same time) .

4.10.4 Reset options

You can reset WLAN, mobile data network, and Bluetooth Settings, and reset app preferences, or restore factory Settings.

4.11 About Tablet

This interface allows you to view basic device information. For example: device name, storage, operating memory, screen resolution, front and rear cameras, phone number, emergency information, SIM card status, model and serial number, IMEI, Android version, IP address, WLAN MAC address, Bluetooth, power-on time, version number.



5. SIM Card Installation

Open the battery compartment, remove the battery, then take out the card slot from the side of the battery compartment. Insert the SIM and TF cards as shown in the diagram. After doing so, the device can be used normally upon powering on.



6. Troubleshooting

Tablet problems can be caused by hardware, software, or both. When you encounter any problem, it might be a typical problem that can easily be solved.

This chapter tells you what actions to take when solving common Tablet problems.

6.1 Preliminary Checklist

Here are helpful hints to follow before you take further actions when you encounter any problem:

- Try to isolate which part of the Tablet is causing the problem.
- Make sure that you turn on all peripheral devices before turning on the Tablet.
- If an external device has a problem, make sure that the cable connections are correct and secure.
- Make sure that the configuration information is properly set in the BIOS Setup program.
- Make sure that all the device drivers are correctly installed.
- Make notes of your observations. Are there any messages on the screen? Do any indicators light? Do you hear any beeps? Detailed descriptions are useful to the service personnel when you need to consult one for assistance.

If any problem persists after you follow the instructions in this chapter, contact an authorized dealer for help.

6.2 Solving Common Problems

Battery Problems

The battery does not charge (The red indicator is not on) .

- Make sure that the AC adapter is properly connected.
- Make sure that the battery is not too hot or cold. Allow time for the battery pack to return to room temperature.
- If the battery doesn't charge after it has been stored in very low temperatures, try disconnecting and reconnecting the AC adapter to solve the problem.
- Make sure that the battery pack is installed correctly.
- Make sure that the battery terminals are clean.

The operating time of a fully charged battery becomes shorter.

- If you often partially recharge and discharge, the battery might not be charged to its full potential. Initialize the battery to solve the problem. (Fully charge in the shutdown state, discharge to 0%, and then fully charge the shutdown, cycle 2-3 times).

The battery operating time indicated by the battery meter does not match the actual operating time.

- The actual operating time can be different from the estimated time, depending on how you are using the Tablet. If the actual operating time is much less than the estimated time, initialize the battery.

Startup Problems

When you turn on the Tablet, it does not seem to respond.

- If you are using an external AC power, make sure that the AC adapter is correctly and securely connected. If so, make sure that the electrical outlet works properly.
- If you are using the battery power, make sure that the battery is not discharged.

WLAN Problems

If cannot use the WLAN feature.

- Make sure that the WLAN feature is turned on.

Transmission quality is poor.

- Your Tablet may be in an out-of-range situation. Move your Tablet closer to the Access Point or another WLAN device it is associated with.
- Check if there is high interference around the environment and solve the problem as described next.

Radio interference exists.

- Move your Tablet away from the device causing the radio interference such as microwave oven and large metal objects.
- Plug your Tablet into an outlet on a different branch circuit from that used by the affecting device.
- Consult your dealer or an experienced radio technician for help.

If cannot connect to another WLAN device.

- Make sure that the WLAN feature is turned on.
- Make sure that the SSID setting is the same for every WLAN device in the network.
- Your Tablet is not recognizing changes. Restart the Tablet.
- Make sure that the IP address or subnet mask setting is correct.

If cannot access the network.

- Make sure that the network configuration is appropriate.
- Make sure that the user name or password is correct.
- You have moved out of range of the network.

Bluetooth Problems

If cannot connect to another Bluetooth-enabled device.

- Make sure that both devices have activated Bluetooth feature.
- Make sure that the distance between the two devices is within the limit and that there are no walls or other obstructions between the devices.
- Make sure that the other device is not in “Hidden” mode.
- Make sure that both devices are compatible.

Sound Problems

No sound is produced

- Make sure that the volume control is not set too low.
- Make sure that the Tablet is not in mute mode.
- Make sure that the Tablet is not in Sleep mode.
- If using an external speaker, make sure that the speaker is properly connected.

Distorted sound is produced.

- Make sure that the volume control is not set too high or too low. In most cases, a high setting can cause the audio electronics to distort the sound.

Software Problems

An application program does not work correctly.

- Make sure that the software is correctly installed.
- If an error message appears on the screen, consult the software program’s documentation for further information.
- If you are sure the operation has stop, reset the Tablet.