
SEW00

User Manual

Product Name: Android Rugged Tablet

Model: BPR-10IIA

Welcome

Firstly, thank you for purchasing this three proof tablet. This user manual includes an overview, operating instructions, usage and maintenance, as well as troubleshooting solutions. To ensure the normal operation of the tablet, please read this manual carefully before use.

Notes:

- Due to the continuous improvement and refinement of industrial tablets, the user manual in your hand may differ from the actual operation.
- To ensure accuracy, we will strive to update the manual. If you find any errors, please notify us through the contact information on the back cover.
- It is forbidden to copy all or part of this manual without the written permission of the supplier.

Abstract

This tablet is widely used in fields such as logistics and transportation, police and government affairs, medical services, military vehicles, and soil testing.

Users can transmit information faster and more efficiently through wireless methods such as WLAN, GPRS, 4G, WIFI, Bluetooth, while obtaining two-dimensional barcode information and RFID information. This portable operating terminal meets the IP-65 protection level and can be used in the vast majority of environments.

This tablet has features such as user-friendly, easy to operate, and visual scanning, which can meet your different needs. It can transmit data in real-time, improving your work efficiency, which is undoubtedly your powerful work assistant.

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Chapter1 Overview

1. Equipment Display



Figure1.1.1 Display of buttons and interfaces

2. Buttons and Interfaces

1. Buttons

(1) Power button

Short press: screen rest, wake up

Long press: Power on, power off, emergency call, restart

(2) Volume up/down keys (Vol+, Vol -)

The main function is to adjust the volume level;

When pressing the power button and volume+simultaneously, it will switch to vibration mode and vibrate when there is a call or notification;

When pressing and holding the power button and volume simultaneously, a screenshot of the current page will be taken.

(3) P/H/F button

P: Undefined keys (default no function)

H: Same as P key, default no function

F: usually defaults to the scanning key, which can be used in conjunction with the scanner to recognize bar/QR codes.

2. Interfaces

(1)Type-A: USB2.0

(2)Type-C: Data transmission/Charging

(3)HDMI interface: HDMI Type A, audio and video output

(4)DC power interface: DC 5V 3A ⌀ 3.5mm power interface

(5)Headphone Jack: ⌀ 3.5mm Standard headphone interface

(6)Ethernet RJ45: 10/100M

(7)DB9 RS232: 9PIN

3. Pogopin

(1) Back 16PIN: USB2.0×1+RS232×1

(2) Bottom 8PIN: USB2.0×1+RS232×1+Charging

3. Main specifications and parameters

1. Performance Parameters

- CPU: MT6877, 8 core ARM® Cortex-A78×2 + Cortex-A55×6, 2.4GHz
- OS: Android 15
- RAM/ROM: 8GB+256GB (16GB+512GB optional)

2. Display Parameters

- Size: 10.1 inch
- Resolution Ratio: 1920*1200
- Brightness: max 450 nits

3. Basic Parameters

- Camera: Front camera 8M+Rear camera 16M (with flash)
- GPS: Support Beidou+GPS+glonass
- NFC: ISO/IEC14443, ISO/IEC15693
- Weight: 1140g±50g
- Size: 273*172*20mm

4. Data Communication

- WIFI: 802.11a/b/g/n/ac/ax,
- Bluetooth: BT5.2, backward compatible
- Network Format
 - 5G: N78/N41
 - FDD_LTE: B2/B4/B5/B7/B17/
 - TDD_LTE: B41
 - WCDMA: 850/900/1900/2100
 - CDMA2000: BC0
 - TD-SCDMA: B34/B39
 - GSM: 850/900/1800/1900

5. Sensor

- Support Light Sensor
- Support Geomagnetic Sensor
- Support Barometric Sensor
- Support G-Sensor
- Support Acceleration Sensor
- Support Gyroscope
- Supports Distance Sensor

6. Battery Performance

- Battery Type: Built in detachable polymer lithium-ion battery
- Rated Capacity: 12000mAh+Secondary battery 2400mAh

4. Standard Accessories



Figure 1.4.1 5V 3A adapter, Handbag and wrist strap



Figure 1.4.3 Schematic diagram of accessory installation

5. Module selection

1. Fingerprint module AFM60
2. 2D/1D scanning mode N4680
3. High precision GPS UM960
4. UHF RFID M500

Chapter2 Operating Instructions

1. Important Notes

In order to use this device safely and effectively, please read the following information before use.

- When in the hospital, please use the equipment according to regulations.
- Please do not throw away the waste battery at will, please put it into the Battery recycling box.
- Please do not apply paint to the device as the paint may affect the use of accessories.
- Do not use irritant chemicals, irritant Sexual cleansing or corrosive Sexual cleansing to clean the equipment. When cleaning the equipment, please gently wipe with a cloth and mild soapy water.
- Do not use or store equipment and its accessories in high temperature, low temperature, high humidity, or dusty environments.
- Please keep the equipment dry as rainwater, moisture, and various liquids may contain minerals that can corrode the circuit.
- Please keep the equipment away from magnetic devices such as magnetic cards and floppy disks, and do not place the equipment, batteries and chargers in electromagnetic fields such as Induction cooking and microwave ovens.
- Please do not place the device in a high temperature area, as high temperatures may shorten the lifespan of electronic devices, damage batteries, and cause plastic parts to deform or melt.
- Please do not place the device in a low temperature area, as when you move the device from a lower temperature area to a normal temperature area, there will be moisture inside the device, which may damage the circuit board.
- Please use original standard batteries, chargers, and other accessories. If you use third-party accessories, we will not assume any responsibility.
- Please do not disassemble the equipment on your own, as improper operation by non professional personnel may cause damage to the equipment. If you need repair, return the equipment to the original factory for repair, or contact professional personnel for repair.

2. Install SIM/TF Card

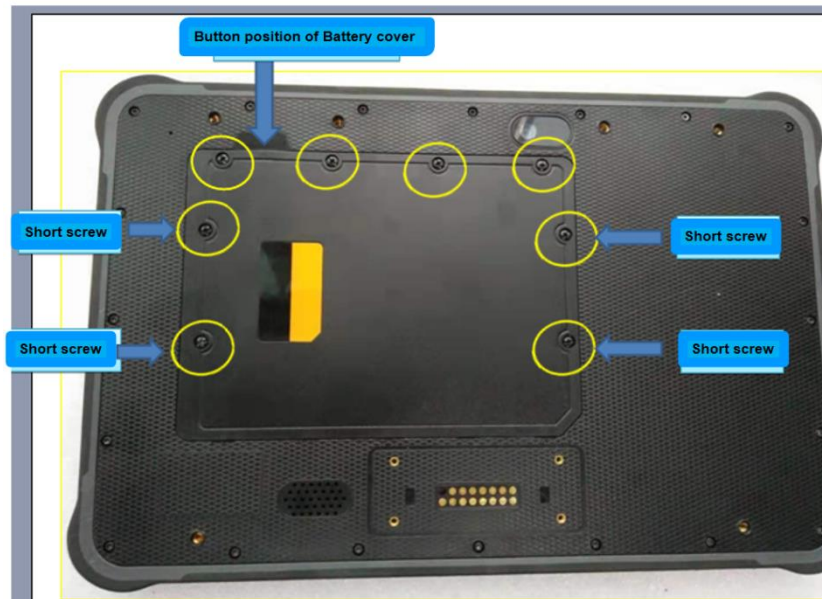


Figure 2.2.1 Removing battery cover



Figure 2.2.2 Removing battery

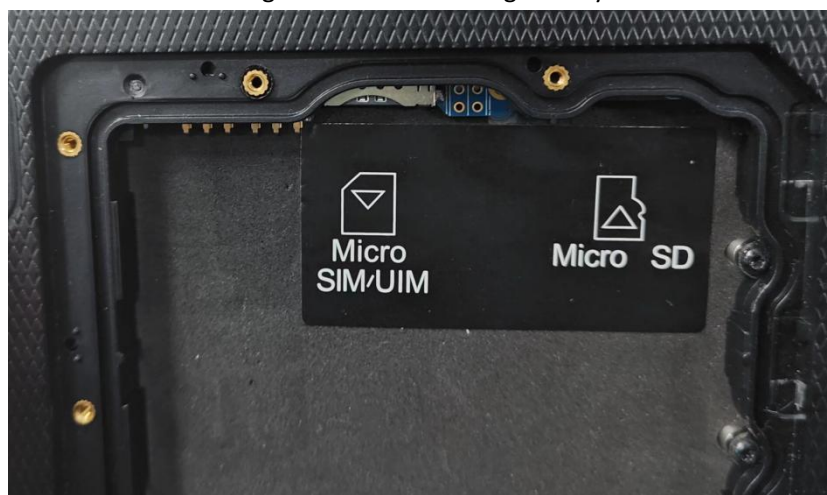


Figure 2.2.3 SIM/TF card installation diagram

3. NFC Display

Without making any settings, NFC is enabled by default. If the NFC function is not available, please go to the settings first to check if NFC is enabled (refer to Figure 2.3.1); If the NFC function is still unavailable when it is turned on, please restart the machine and try again.

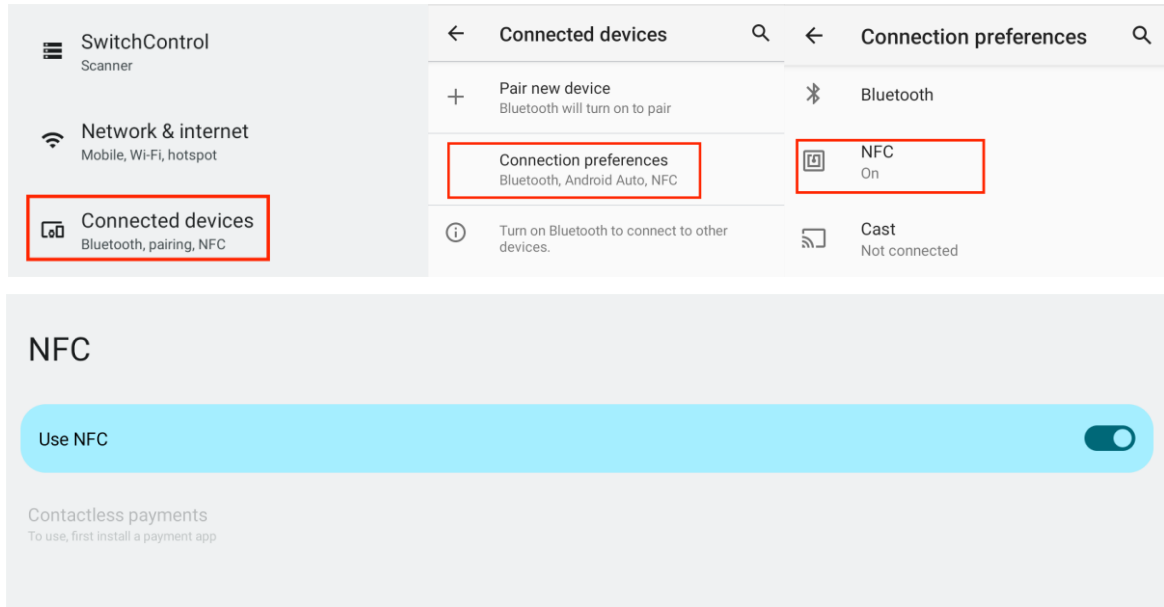


Figure2.3.1 Enable NFC

When you use the corresponding NFC card close to the NFC card reading area, the testing software will display the properties of the current card.



Figure2.3.2 Reading NFC card data

4. Serial Port

Open the serial port tool. When you short circuit TX/RX (2 pins/3 pins), if the upper text box in the software shows the received data, it indicates that RS232 can self receive.



Figure2.4.1 Short-circuit TX/RX

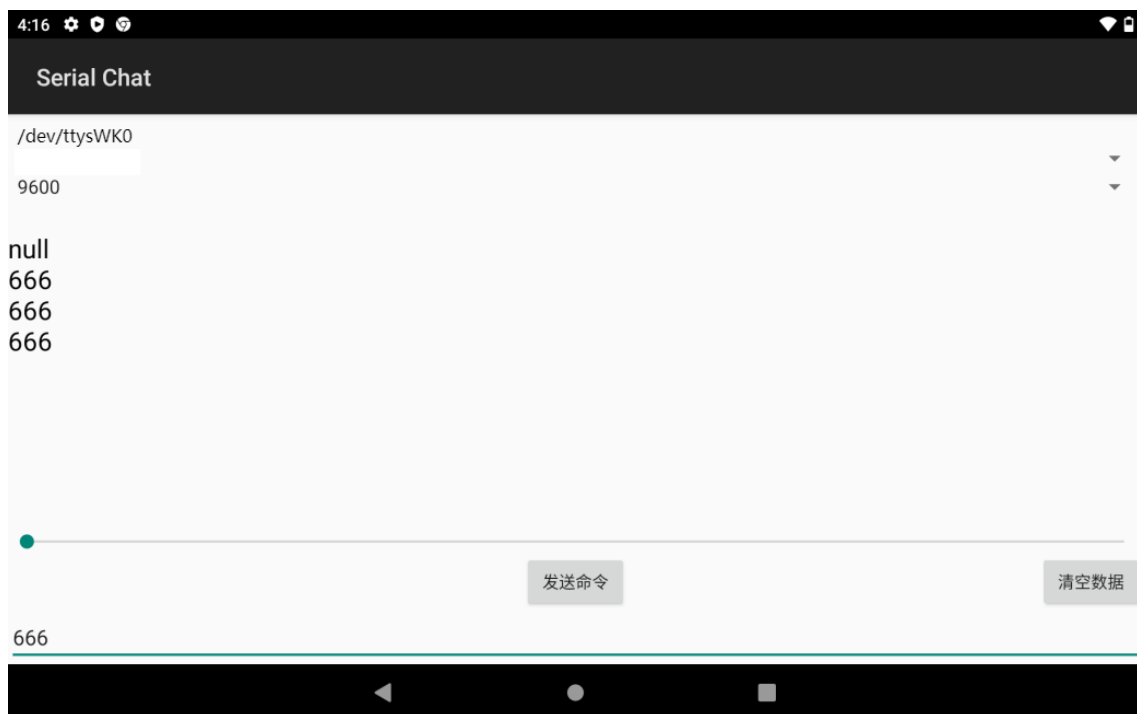


Figure2.4.2 Send/receive commands

5. About USB Debugging

In Settings - About Phone, continuously click on Build number to open developer mode. In developer mode, open USB debugging to operate the device on the computer. If file transfer is required, please select File Transfer in the Default USB configuration.

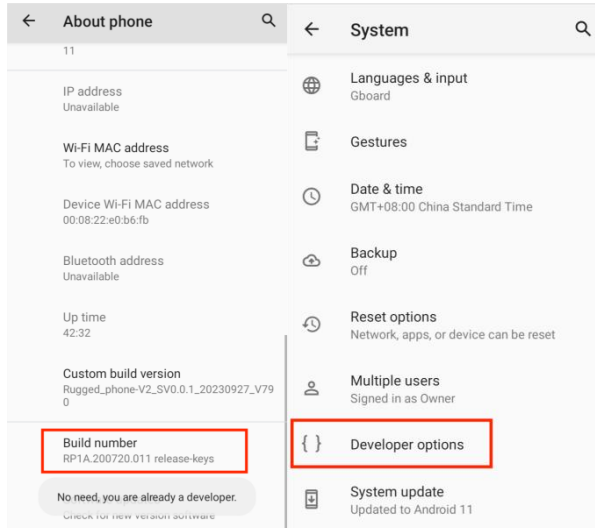


Figure2.5.1 Enter developer mode

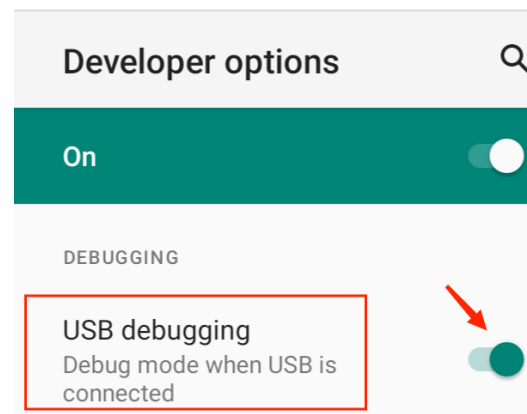


Figure2.5.2 Open USB debugging

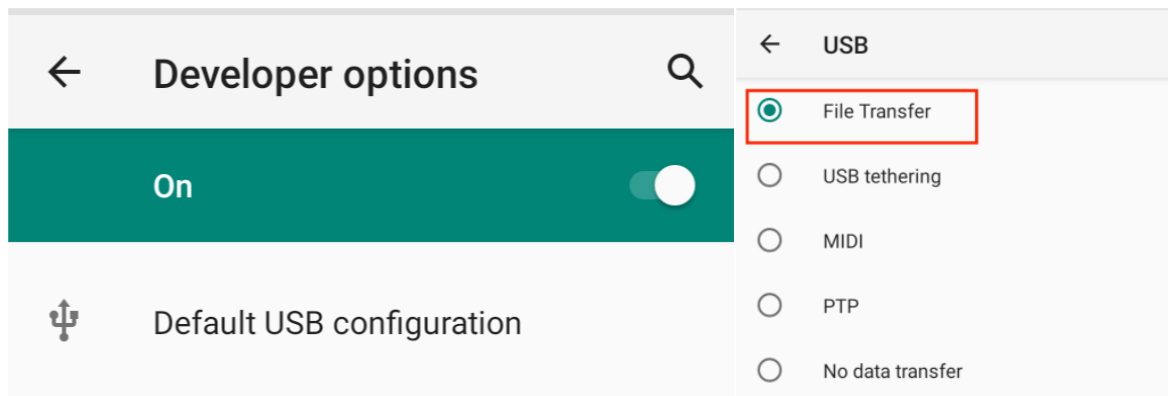


Figure2.5.3 Change Default USB configuration

Chapter3 Use and Maintenance

1. Operating Standards

➤ Test interface

Please connect the test cable to the test interface first, and then connect it to the test cable. Please do not touch the metal parts of the fixture to avoid high dangerous voltages.

➤ USB port

Please do not use metal to short circuit the port, as it may damage the internal circuit.

➤ Cleaning

The outer shell of this instrument is mainly made of plastic. When cleaning, please use a dry and soft cloth, and do not use volatile chemicals, otherwise it may cause discoloration and deformation.

➤ Protective casing and operation panel

Do not pour volatile substances onto the casing or operating panel to avoid prolonged contact with rubber and PVC, otherwise it may cause malfunction.

➤ When moving the instrument

Before moving the instrument, please ensure that the power cord and connecting cable are unplugged. After use, unplug all connecting cables from the socket.

➤ When the instrument is not used for a long time

If the instrument is not used for a long time, the battery performance may have deteriorated, and charging also takes longer. If the charging time is short and the working time is short, please replace the battery in a timely manner.

➤ Fault

If the instrument emits strange sounds, odors, or smoke, please turn off the instrument and unplug the power, then contact us immediately.

2. Notes

- Please fully charge the battery for the first and every use.
- If any abnormal phenomena occur during the operation, please immediately shut down and restart.
- Please do not place the instrument in direct sunlight or near heat sources,

as it may have adverse effects on the internal circuit and casing.

- If the instrument is moved to another location with higher temperatures or faster room temperature changes, condensation may occur. In this case, before using the instrument, it is necessary to adapt it to the new environment for at least one hour.
- Using the instrument near a strong magnetic field source can have adverse effects on the internal circuits of the instrument, as electromagnetic waves from mobile phones may affect normal recognition. If you use a portable phone to transmit measurement data, please move the portable phone to a location at least 1 meter away from the instrument.

Chapter4 Faults and solutions

If you meet the following problems during the using process, please try to use the "Faults and Solutions" first to do the relative operation. If the problems still exist, please Scontact the professional maintenance person.

Problem	Reason	Solution
Unable to switch on the device	The time of pressing the power key is not enough	Press the power key for over 5 seconds and more
	Low Battery	Charge the device
Some programs can't be used normally	The storage space is not enough	Clean the messages of built-in multimedia promptly and other application programs as well as the download application records
The standby time is not enough	The battery performance declines	Change the battery
	Too many programs opened at the same time	Please clean up programs that have not been used for a long time in a timely manner
Charging fault	Poor contact	Check the contacts or change plug.
	Battery over discharge	Please charging for a long time to activate the battery
	Battery fault	Change battery
	Wrong charger type	Change proper charger
	Charger fault	Change or mend the charger

The equipment is automatically closed	The battery electricity is severely not enough	Please charge
	Setting reason	Check whether setting the auto power-off or not
	Get accident interference	Restart

Warning:

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

Any 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

FCC ID: WF5-BPR-10IIA