

# MUNBYN

IPDA098 Android POS

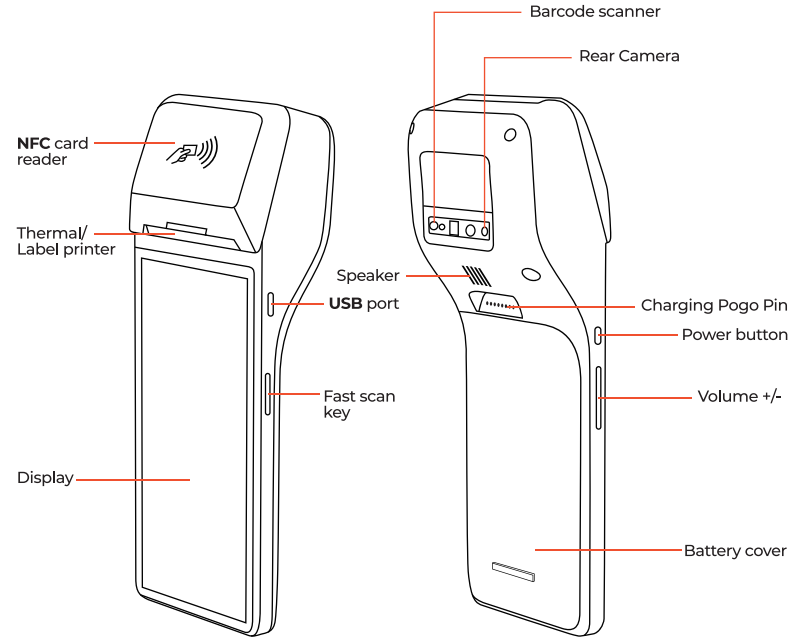
## USER GUIDE



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# Machine Overview








# Open Packing and Installation

## Packing List

When you receive the package, open and check the packing list in the package.

Table 2-1 Packing List

Item Name	Picture	Quantity (pcs)	Description
IPDA098 POS Terminal		1	Android POS Terminal
Thermal Paper Roll		1	
AC Power Adapter		1	
Li-ion Battery		1	2600 mAh
USB Cable		1	USB Type C cable
User Manual		1	

## Installation Guidance

### 1 Install the battery

- 1 Open the battery cover of the device
- 2 Connect the cable of the battery to the battery connector on the machine and put the battery to its place. (Tag label on the battery upwards) (Figure 2-1)
- 3 Close the battery cover



(Figure 2-1) Battery Installation

### Battery Usage Tips:

- Do not use the battery in direct sunlight or smoky and dusty environments.
- Do not strike, squeeze or step on the battery, nor throw it into liquid or fire.
- If the battery is deformed or damaged, replace immediately.
- Any product warranty is only valid if batteries supplied by MUNBYN
- Charging time should not exceed 24 hours. Over-charging or over-discharging may damage the battery.
- If the product is not being used for an extended period, whether in storage or otherwise, make sure to recharge the battery at least every 6 months.

## 2 Install SIM/SAM/TF card

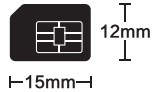
- 1 Open the battery cover and remove the battery
- 2 Insert SIM/SAM/TF cards into the corresponding card slot.  
(Figure 2-2, Micro-SIM size: 15mm\*12mm)

### NOTE:

- Confirm the machine is turned off when you install or uninstall the SIM/SAM card, or your card will be damaged.
- Do not paste any label on the SIM/SAM card to influence your card thickness, or it may result in loading or removing the card cannot be carried out smoothly



(Figure 2- 2) Insert SIM card



SIM card size

## 3 Power ON/OFF the device

### Power on

after installed battery/connect power adapter, press and hold the power key until the LCD display, then the machine will be turned on

### Power off

press and hold power key for 2 seconds, until the shutdown menu appears, tap Power Off > Click Power Off, and "Shutting Down" will appear.

## 4 Install the printer paper

Pull up the printer cover and put the thermal paper roll inside and close the cover (Figure 2- 4 )

### NOTE:

- When install thermal paper, we need the side coated with thermal media facing the printer heating plate, or you cannot print out the characters correctly.
- The temperature is high on the heating plate, please do not touch it without cooling.

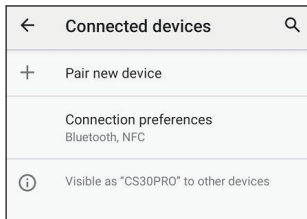


(Figure 2- 4) Install the printer paper

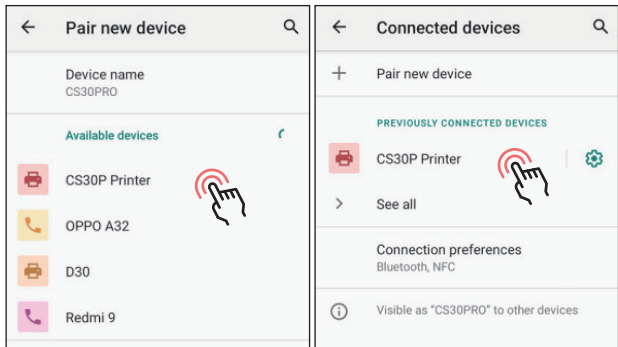
# Operation

## Bluetooth Printer

Open the "Bluetooth" setting of the system and select "Pair new device".

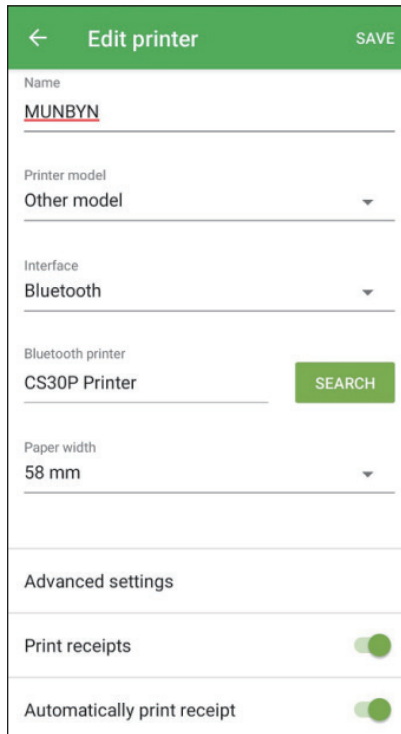


Select "CS30P Printer".

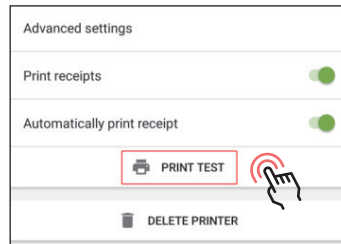


(Below we use the printer settings of the "Loyverse" App as an example)

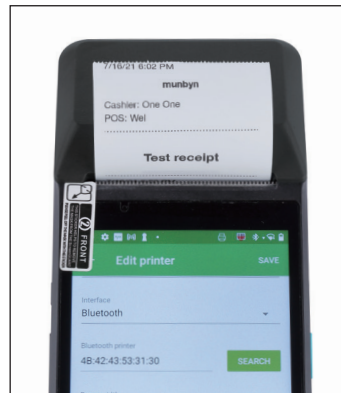
3 Setting as the below shown.



4 Click "PRINT TEST".

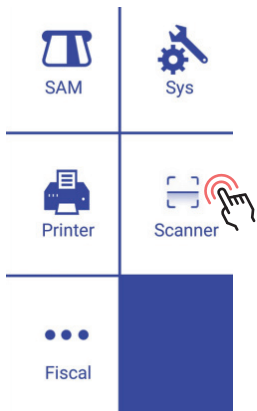


5 A Test receipt will pop up automatically that means Bluetooth printer is ready.



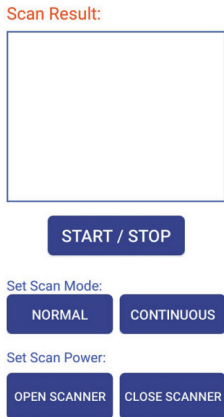
## Barcode Scanner (Optional)

- 1 Open the "SdkDemo" APP and select "Scanner".



(Figure3- 6)

- 2 Enter the "Scanner" interface, and set the scan function according to the button in the figure below.



(Figure3- 7)

- 1 We can start or stop scanning by clicking the "**START / STOP**" button.
- 2 We can switch the scan mode to normal mode by clicking the "NORMAL" button. Pressing the scan key once will only scan one barcode.
- 3 We can switch the scan mode to continuous mode by clicking the "CONTINUOUS" button. Press the scan button once to scan the barcode continuously, and press the scan button again to stop scanning.
- 4 We can enable or disable the scanning function by clicking the "**OPEN SCANNER**" button and the "**CLOSE SCANNER**" button.

## NFC

Just tap the NFC card on the NFC field area, please follow the standard Android NFC interface to develop the NFC application.

## Application Development (SDK)

Please refer to the SDK files.

# Technical Specifications

Table 4-1 Technical Parameters

Basic Characteristics	OS	Safedroid OS (based on Android 10.0)
	CPU	Qualcomm Octa-Core ARM Cortex-A53 1.8GHz
	ROM	16GB ROM Emmc
	RAM	2G RAM LPDDR3
	Display	6.0 inches TFT IPS LCD, resolution 1440*720
	Panel	Ultra-sensitive capacitive touch screen, can work with gloves and wet fingers
	Dimensions	215mmX81mmX17mm (max 51mm)
	Weight	300g (Battery included)
	Keys	Physical keys: power on/off, Volume + /-, quick scan key
Radio Communication	Input	Chinese/English, and supports handwriting and soft keyboard
	WIFI	IEEE 802.11 a/b/g/n, support 2.4GHz and 5GHz
	Bluetooth	BT 4.2 LE and earlier
	4G	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B28 TDD-LTE: B38/B39/B40/B41
	3G	WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39
	2G	GSM/GPRS/EDGE: 850/900/1800/1900MHz

NFC	Contactless Card reader	Supports 14443A/ 14443B
Expansion and peripherals	Printer	High-Speed Thermal Printer; Label printing; 58mm printing paper; 40mm paper roll
	Rear Camera	5MP AF Camera with LED flash
	Satellite Positioning	Support GPS(A-GPS)/ Bei-Dou/ Glonass or Galileo
	Audio	Speaker
Interfaces	Micro SD Card Slot	1 Pcs support up to 128GB
	SIM Card Slot	1 Pcs Micro SIM
	PSAM Card Slot	1 Pcs Conforms to ISO7816 standard
	USB Port	1 Pcs Type C USB
Power	Battery	Li-ion battery, 7.6V/2600mAh
	Charging Port	Type C USB Port, 5V DC/2A
Environment	Operating Temperature	-10°C to 50°C
	Storage Temperature	-20°C to 70°C
	Humidity	5% to 95% Relative Humidity, Non-Condensing
Certification	Electromagnetic	CE, RoHS, FCC
Optional	Barcode Scanner	Symbol 4710 2D Image Engine, Support 1D and 2D symbologies
	Label Printer Paper	

Fault phenomenon	Elimination methods
No display on screen	<ul style="list-style-type: none"> <li>● check if battery installed right</li> <li>● check if battery is enough for work</li> </ul>
Cannot read card	<ul style="list-style-type: none"> <li>● check if card slot is clean</li> <li>● check if card has enough magnet info</li> </ul>
NFC card data read incorrectly	<ul style="list-style-type: none"> <li>● ensure card has NFC function</li> <li>● ensure read card in NFC area</li> <li>● ensure card/mobile be placed smoothly and steady in NFC area</li> </ul>
Camera failure	<ul style="list-style-type: none"> <li>● ensure camera not be covered</li> <li>● ensure if enough light for camera to work</li> </ul>
Printer do not work	<ul style="list-style-type: none"> <li>● ensure paper is sealed correctly</li> <li>● check if it has right size paper, and installed right</li> <li>● check if low battery</li> </ul>
Communication failure	<ul style="list-style-type: none"> <li>● check if sim card inserted, if card contactor clean</li> <li>● ensure there is signal</li> <li>● try to re-establish communication</li> </ul>

## Cautions

- Strictly observe the following instructions while install and connect the device. Connect to stable power socket, try to avoid charging it together with high-power machines like air-conditioner.
- Please try not to use the device during thunderstorm in case of lightning stroke, and power off as well as cut off its connection to host machine.
- This is electrical product, be sure not let anything like pin, thumbtack, wire or water slip into the device, or short circuit will be caused to destroy device.
- Be sure no heavy pressure on device or place anything on it.
- Prevent fierce vibration, strike or beat.
- Ensure good working condition, never use it in humid, high temperature, sun burn, dustiness or frost environment, never get close to strong electromagnetic field, never use device under flammable and explosive conditions.
- Avoid plug or swap any part or peripherals when power is on, or it may cause inner hardware damage. Shutoff device before cut power.
- This device is integrated with Lithium battery, change our original battery if needed. Other types battery may cause damage to device. Contact us or our distributor when you need to change battery.
- Cut off power and stop operation if device break down. DO NOT disassemble device yourself.
- Avoid sleet, solar exposure, mechanical shock or extrusion. Be careful when delivering.
- Device should be kept in original package, temperature of warehouse should be  $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ , relative humidity should be  $5\% \sim 95\%$ . No noxious gas, flammable, explosive or mordant chemicals are allowed to be together, ensure no mechanical shock, impact or high magnetic

## Contact us

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**If you meet any problem during using the IPDA098, please contact us**

Scan the QR code for Facebook online chat

