

MUNBYN

Handheld Terminal



User Manual

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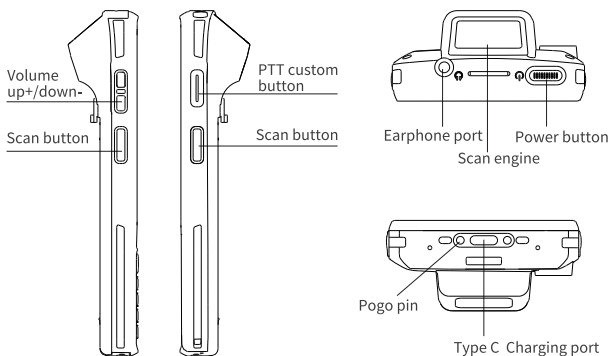
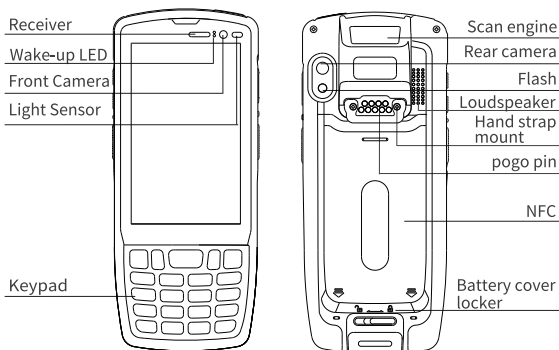
Preface

Thank you for purchasing our products. The IPDA082 Personal Digital Assistant has optimized scanning performance and is widely used in warehousing and logistics, retail manufacturing, express delivery and other industries.

This user manual introduces the appearance of the product, some important APP function operations and precautions, aiming to let customers understand this product, and know how to operate and maintain it. Please read this user manual carefully before using the product.

This user manual download link:
<https://munbyn.biz/2082um>

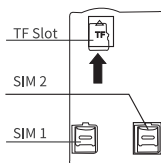
1.1 Appearance and Buttons



2. Unpacking Instructions

2.1 Installing SIM Card, TF Card

Gently press SIM card into the tray to secure it. Follow the prompt to insert TF card into Memory card slot (as shown).



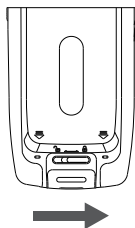
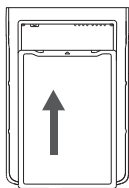
Note:

1. SIM card is NANO-SIM card.
2. Please do not push or press SIM and TF cards with brute force after installing them already.

2.2 Installing the Battery

1. Install the battery in the direction as shown.
2. Place the back cover fully, then, push the lock buckle to the right(lock).

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



(1) Power Options

Power on: Press and hold the power button until device vibrates.

Shutdown: Press and hold the power button until the shutdown prompt appears, Click“Shutdown”.

Forced restart: Press and hold the power button for 10 seconds. Do not press the shutdown prompt. Device will restart.

(2) USB Data Cable Charging

Connect one end of the USB cable to the adapter, and the other end to the device.



2.3 Indicator

Battery		Full power
		Medium power
		Charging
		Low power
Network Signal		Good signal
		Unstable signal
	NONE	SIM card not installed
WiFi		SIM card error/no service
		WiFi on.No available wireless networks for connection
		WiFi connected
	NONE	WiFi switched off
NFC		NFC switched on

3. Data Acquisition

3.1 Scan Handle

When using with a handle, you need to turn on the scan handle button, as shown in the figure below.

Scanner Settings		
Scan Handle	Enable Scan Handle	☒
Suspension button on/off	Suspension button	☐
Phone Mode	Scan Screen	☐
Triggering Modes Host		
Clipboard		☐
Keyboard output mode	output the barcode into the focused edit box	☒
Keyboard output		
Keyboard type	Always Soft keyboard	

Figure 3-1 Scanner Settings

3.2 Floating action button

The virtual key scanning tool--USCAN, which is available for dragging at will and touching to simulate the key scanning function.

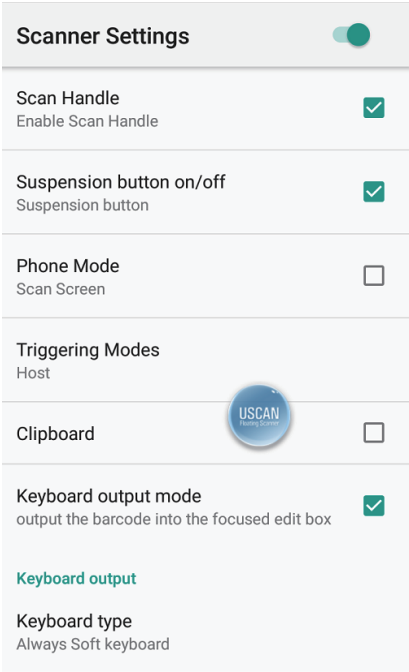


Figure 3-2 Floating Button Scanning Function

3.3 Trigger mode

Auto mode: 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: 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: 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.

3.4 Output by keyboard

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

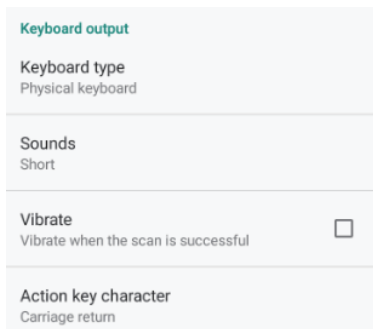


Figure 3-3 Scanning Output by Keyboard

(1) Keyboard Type: options include Physical Keyboard, Input Method Software and Physical Keyboard Only among others. Such options may cause a difference in scanning results. Please select with caution.

(2) Physical Keyboard: 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;

(3) Input Method Software: the device directly displays all the data in the input box through input method software simulation;

(4) Physical Keyboard Only: the device outputs scanning data through physical key event simulation at any interface.

(5) Input Method Only: output through any non-Android input box, e.g., webpage or search box.

(6) Notification Tone: set the system's notification tone for scanning, which may be None, Instant (default) or Squeak.

(7) Vibrate: check to enable the function of vibrating after scanning.

(8) Operational Key Character: None, Carriage return, Line feed or Tab. Add operational key characters behind scanning results through keyboard simulation.

(9) None: no operation.

(10) Carriage return: add an enter behind scanning results through keyboard simulation.

(11) Line feed: add an OK operation behind scanning results through keyboard simulation.

(12) Tab: add a Tab key operation behind scanning results through keyboard simulation.

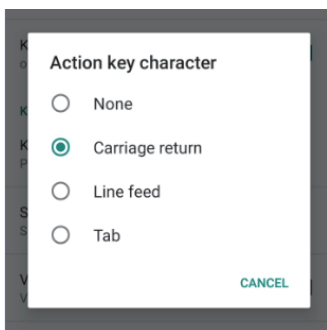


Figure 3-4 Operational Key Character

3.5 Output by Intent

Cancel checking output by keyboard and output will be done by Intent.

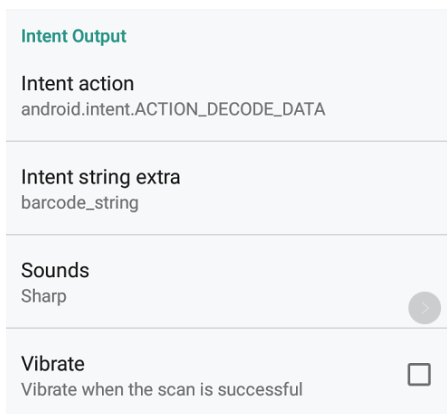


Figure 3-5 Output by Intent

3.6 Chinese code type

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 carefully.

Coding format

- ☒ UTF-8
- ☐ GBK
- ☐ BIG5
- ☐ SHIFT-JIS
- ☐ ISO-8859-15
- ☐ US-ASCII
- ☐ UTF-16
- ☐ UTF-16BE
- ☐ UTF-16LE

CANCEL

Figure 3-6 Chinese Code Type

3.7 Other settings

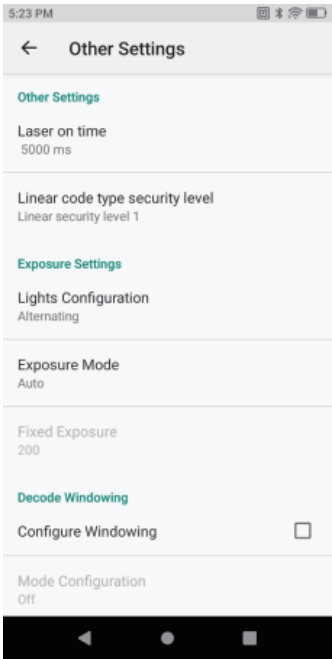


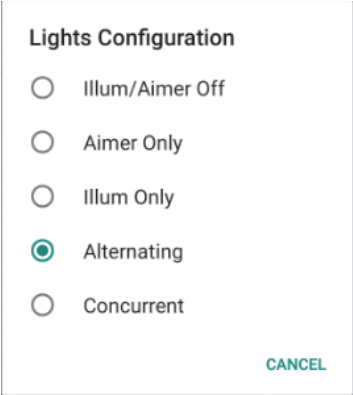
Figure 3-7 Other Settings for Scanning Head

- (1) **Laser Duration** - laser duration for failing in single scanning, range of 500-9900 ms, 5000 ms by default.
- (2) **Multiple Check** - 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.

3.8 Exposure

Fill light configuration

Different scanning heads vary from each other in the settings. SE4710 scan engine is taken as example for illustration.



Lights Configuration

☐ Illum/Aimer Off

☐ Aimer Only

☐ Illum Only

☒ Alternating

☐ Concurrent

CANCEL

Figure 3-8 Fill Light Settings

(1) Lights Configuration

Off: turn off fill light.

Aim Light Only: turn on aim light only.

Floodlight Only: turn on floodlight only.

Alternate: turn on floodlight and aim light in alternation.

Simultaneous: turn on floodlight and aim light at the same time.

- (2) **Exposure Mode:** auto/on. In the auto mode, the scanning head may automatically regulate the exposure value; in the on mode, the exposure value can be set.
- (3) **Exposure Value:** 1~600. The higher the value is, the brighter it will be.

3.9 Bar code formatting

Upon access of bar codes, the system may be available for additional functions: Formatting, Prefix, Suffix, Substitute.

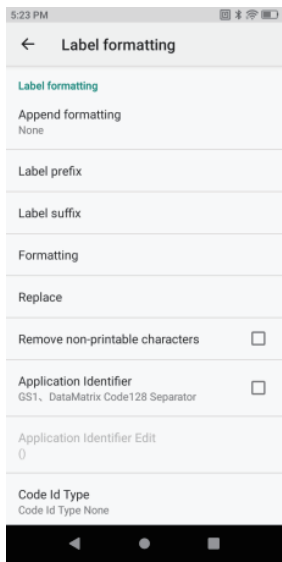


Figure 3-9 Bar Code Formatting Settings

(1) Open Bar Code Formatting and select the additional formatting type.

Append formatting

☒

None

☐

Label prefix

☐

Label suffix

☐

Label prefix and suffix

☐

Formatting

☐

Replace

☐

Replace and prefix,suffix

CANCEL

Figure 3-10 Formatting Type Settings

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

Edit label suffix

Add special: None

[BS]

[LF]

[CR]

[HT]

OK

Label prefix

Edit label suffix

Add special: None

@@@

CANCEL OK

Remove non-printable characters

Figure 3-11 Edit Suffix

(3) Prefix: select the mode and modify the prefix content, e.g., select [CR] which indicates enter.

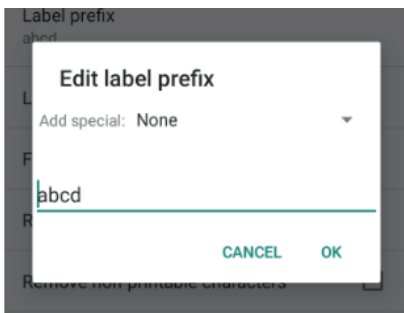
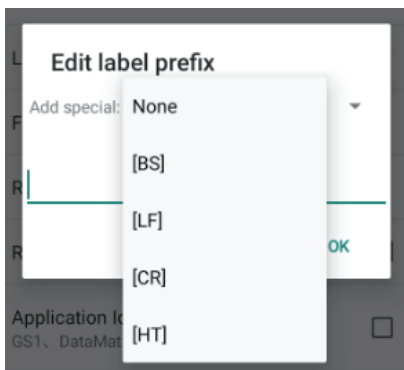


Figure 3-12 Edit Prefix

(4) Select the default type from the drop-down list box or define any character as the prefix/suffix.

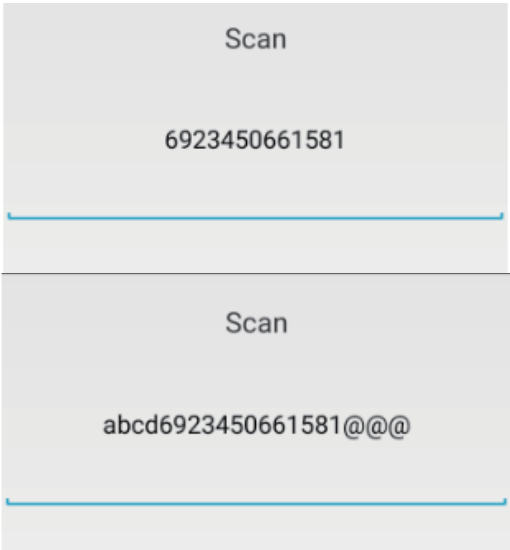


Figure 3-13 Test Prefix/Suffix

(6) Substitute: 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").

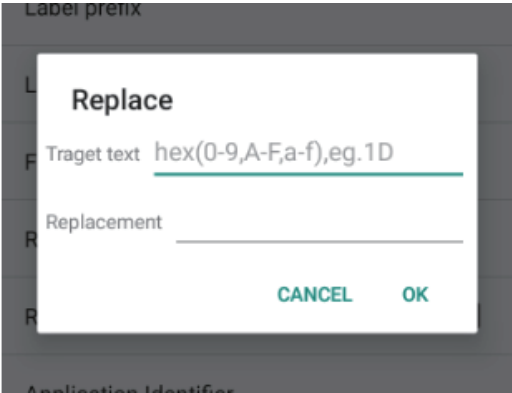


Figure 3-14 Edit Substitute

3.10 Bar code settings

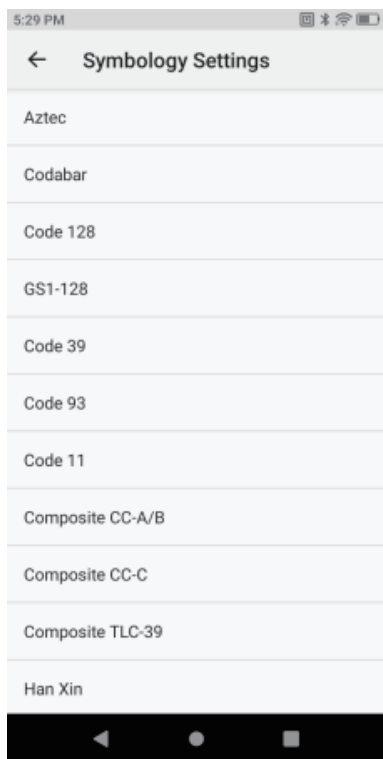


Figure 3-15 Bar Code Settings

(1) Modify code system type parameters in the list, e.g., bar code length, check bit or transfer character.

Code 128	
Enable	☒
L1 length	
2	
L2 length	
40	
ISBT 128	
☒	

UPC-A	
Enable	☒
Send checksum	☒
Send system digit	☒
Convert to EAN-13	☐

Figure 3-16 Code128 &UPC-A Settings

(2) **Enable:** enable

(3) **L1 length:** minimum length

(4) **L2 length:** maximum length

(5) **ISBT128:** book code

(6) **Send checksum:** check bit in transfer

(7) **Send system digit:** numeric character in transfer

Interleaved 2 of 5	
Enable	☒
L1 length	
2	
L2 length	
50	
Enable checksum	☐
Send checksum	☐
Convert to EAN-13	☐

Figure 3-17 ITF Settings

(8) Convert to EAN-13: transfer to EAN-13 code

Note: If parameters needed are not found in the settings, please contact the manufacturer's technical staff for modification.

3.11 Reset

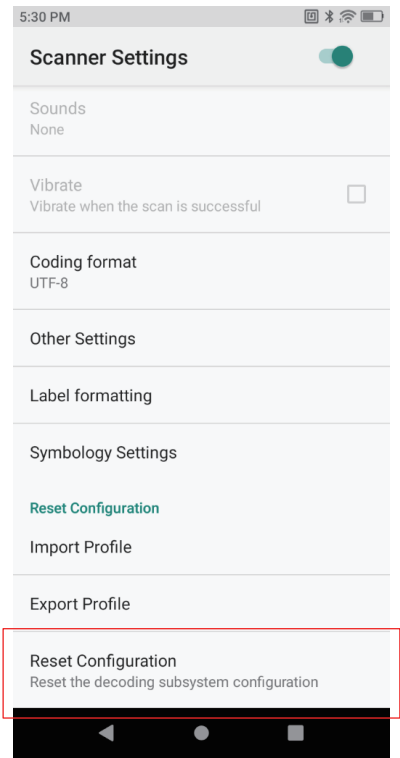


Figure 3-18 Reset

Import Configuration File - import all settings in the scanner_property.xml file saved in the /sdcard root directory.

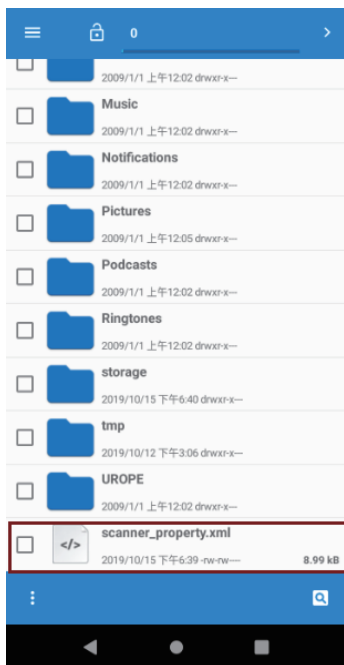


Figure 3-19 Scanner_property.xml File

Notes:

- (1) Export Configuration File:** export and save all set values in the current status in the scanner_property.xml file saved in the /sdcard root directory by default.
- (2) Restore Scan Engine:** if the scan engine needs to be reset, click this function option and reset and restore the scan engine. This function applies in spite of any unreadable or code garbling situation in scanning.

4. FAQ

1. How to restore factory settings?

Select “Setting” → “Backup&reset” → “Factory date reset”.

2. Why can not power up the PDA?

(1) It needs about 4s to press and hold the power button to turn on, so please hold the power button until the screen showing contents.

(2) Please check if the battery are in low power, and charge the PDA for 30mins, then restart it.

3. When use scanner, there is no data but scan-light on, Why?

(1) Go to “scanner” app --- setting, and adjust the ‘output mode’.

(2) Reset the “scanner” app for twice, and switch on ‘Open scan’.

4. The device cannot scan the code.

(1) Check if each scan button can be used normally.

(2) Check if the scan engine supports the bar code.

(3) Check if the scanning lens and bar code is clear and unobstructed.

(4) Check the scan setting and reset .

5. The device cannot be charged.

(1) Check the device adapter and charging port are good.

(2) If the device is not used for a long time, please keep it charged for 30 minutes. Then check the device lights on or not.

6. How to use the battery correctly?

The battery is a polymer battery. If it is about to run out of power, please charge it immediately. Do not keep it in a fully charged or dead state for a long time. The best way is to keep the battery at 50% power.

5. Precautions

1. Read all information in this guide before using the device to ensure safe and proper operation.

2. Please use the accessories that have been approved by this manufacturer and corresponds to this model. Use of any power source, charger, battery, etc. that has not been approved by this manufacturer may cause a fire, explosion, or other hazards.

3. Please use device and accessories within the specified temperature range. Equipment failure may occur when the ambient temperature is too high or too low.

4. Do not disassemble the product and its accessories. If the equipment or any of its components are not working properly, consult the after-sales service of the company promptly, or send the equipment to the after-sales service outlet for testing and maintenance.

6. Support



Need Tech Support, contact us by:

Mail: support@munbyn.com

Whatsapp: +8617817881067

Skype: munbyn

Support time: Monday to Friday 24 hours.

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Every Powerful
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