



Mobile Intelligent Terminal
Manual Instruction V1.0 Version
Android Operation Manual

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Authorization statement

The information included in the document is to introduce the present condition of the product without the meaning of guarantee, including but not limited to any suggestibility or vendibility guarantee, or guarantee applicable to a special purpose, and the content is possible to be altered at any time, which shall not be noticed additionally.

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Greeting!
 Thank you for your attention and support for the product.
 Please read the user manual carefully before using the product for the convenience of playing the product function better. Please take the latest version as the basis due to the continuous upgrading of the equipment and system. The manual is for reference only.

Chapter I Introduction

1.1 System overview

The device adopts high-performance Qualcomm processor and dual-frequency WiFi, optimizes Android 8.1 OS. Advanced security protection protocol ensures veracity and security of data transmission, with professional 1D and 2D scan engine, quickly and accurately decodes 1D and 2D symbologies. It is in accordance with IP65 industrial standards for water-proofing, dust-proofing, anti-dropping, anti-static and high & low temperature resistance design.

1.2 Applicable industries

It is mainly applicable for shoes and clothing, channel, logistics, drug supervision and other fields.

1.3 Product parameters

Product Parameters Table

Performance parameters	
Operating system	Android 8.1
Processor	Qualcomm quad-core 1.3 GHz
Memory	2G RAM+16G ROM

Physical parameters	
Display screen	4.0" 480 × 800 Capacitive Touch HD LCD
Dimensions	156mm (L) × 68mm (W) × 20.5mm (T)

Weight	241g (including standard battery)
Battery	Demountable 3.8V 4800mAh polymer lithium battery (supportive RTC battery), with over 8 hours regular use time. Standby time >200 hours
Camera(optional)	Rear 8 mega pixels, support flash lamp, automatic focusing and video 2 mega pixel front-facing autofocus camera
Keyboard	22 regular keys, 1 main scanning key, 2 side scanning keys, 1 PTT key, 1 volume key and 1 power key
Interface	1 industrial Type-C USB interface, TF slot, SIM card slot
Power adapter	Input: AC 100-220V 50/60Hz; Output: DC 5.5V--2.5A
Input method	English input, support install input application program
Audio	Loudspeaker, headphones
Way of notification	Speaker, indicator light and vibration

Environmental parameters

Temperature	-10°C ~ 60°C (working) -20°C ~ 70°C (storage)
Electrostatic	± 15kV air discharge, ± 8kV direct discharge
Protection grade	IP65 industrial protection grade
Anti-dropping height	Bear the impact of dropping to smooth cement ground from the height of 1.5m for many times

Data communication parameters

WiFi	IEEE 802.11 a/b/g/n
WWAN	GPRS/EVDO/TD-SCDMA/WCDMA/TD-LTE/TDD-LTE/FDD-LTE
Bluetooth	Bluetooth 4.0
GPS (optional)	High-accurate GPS, support A-GPS and BeiDou
NFC (optional)	13.56MHz, support ISO14443A&B and ISO15693 protocols, etc

Scanning parameters

Scan engine	One-dimensional laser scan engine Two-dimensional image scan engine
Scanning accuracy	≥ 3 mil, distance: 3cm-70cm (depending on the density and type of barcode)
Decoding ability	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.; PDF417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code, Aztec, Postal Codes: US PostNet; US Planet; UK Postal, Japan Postal, Dutch Postal (KIX), etc.

Chapter II Introduction to Product Appearance

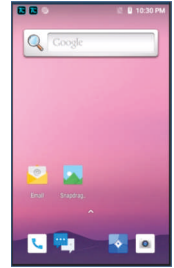
2.1 Appearance view





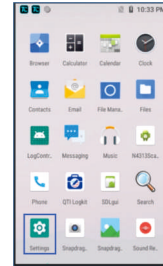
Chapter III System Setting

3.1 Terminal operation interface

3.1.1 After power on, enter the following main operation interface.





3.1.2. Under the standby interface, click this icon  and select option  to enter into the system setting.

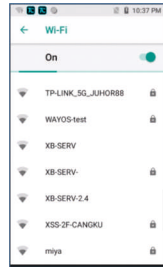
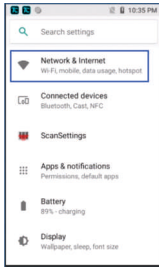


3.2 Wireless network

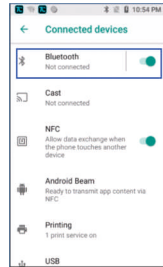
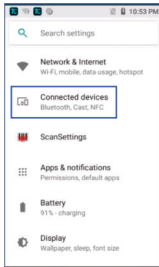
- Wi-Fi

Click on the setting button and icon  to open the wireless network, and all available wireless networks will display, then click on the wireless network you want to connected.

If the wireless network does not need password, click 'Connect' for starting connection; If the wireless network does need password, input password firstly and click 'Connect' for starting connection. If the wireless network has been successfully connected previously, the information would be stored, and the automatic connection would be realized. Once the device connect to the wireless network successfully, the wireless network icon  will display in the status bar on the top of screen.

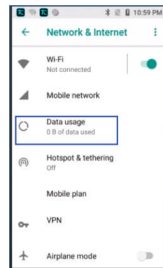
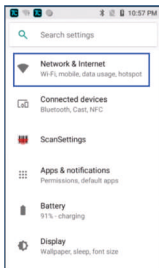


• Bluetooth



• Data Usage

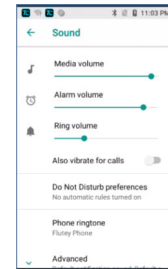
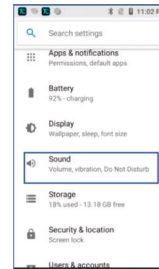
Select to open/ close the mobile data, and set up limit of mobile data.



3.3 Device Management

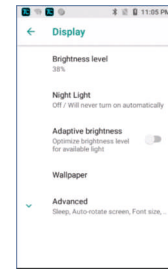
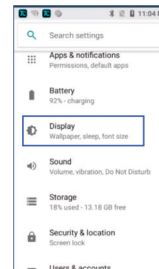
• Sound

For the settings of volume, ringtone and message, tick or not tick to select or cancel Vibration and Ring, Touch sounds, Screen lock sound and Vibrate on touch.



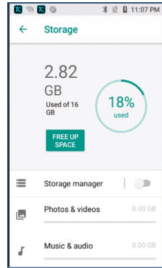
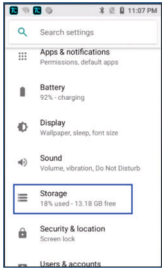
• Display

LCD brightness level, Wallpaper, Sleep mode and Font size.

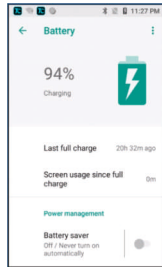
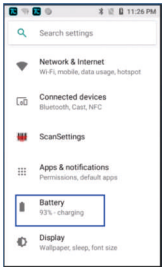


• Storage

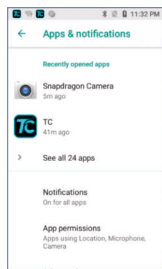
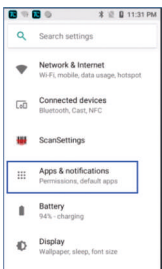
Check available storage space, and select the options for media scanning for external memory card or external USB device.



- Battery
Display battery information.

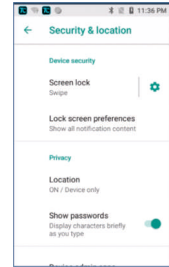
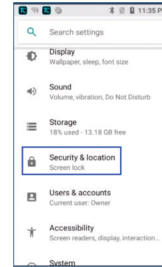


- Apps & notifications
Manage application program.



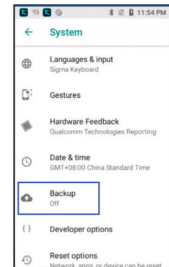
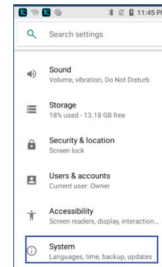
3.4 Personal information

- Security & Location
Set Screen lock, Owner info, Encryption and Device administrators.

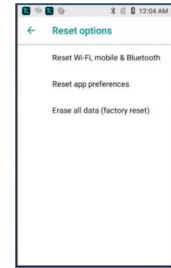
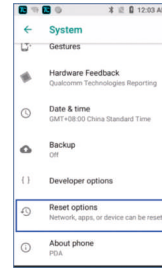
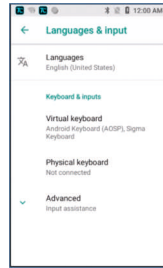
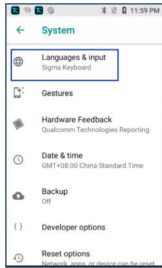


3.5 System

- Backup

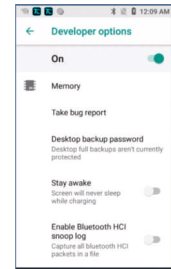
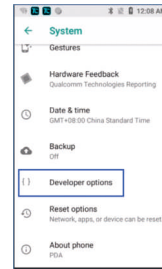
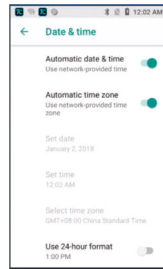
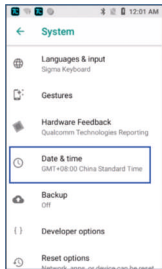


- Language and Input
For the options of language selection, Virtual keyboard, Spell checker. Select the keyboard and input method you like, and set the 'Text-to-speech output'.



- Data and Time

You can use the time or time zone offered by the network, or set the date and time manually, then select the time zone, or you also can select the display format of time and date.



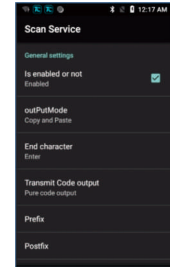
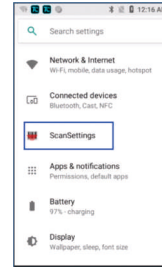
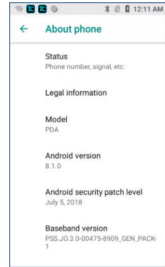
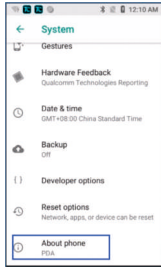
- Developer Options

Some other information of hand-held terminal device. Enter About phone, consecutively click icon Build number, then you will be a developer.

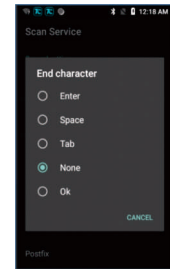
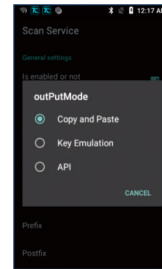
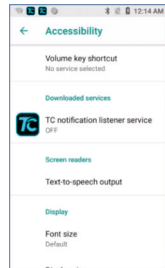
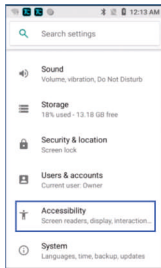
- Reset options

- About phone

Click on this option to acquire the relevant information of hand-held terminal device.



• Accessibility



Output Mode:

1. Copy and Paste: The scanned barcode data will display on the current cursor position, and it can output full-character barcode data information, including Chinese character barcode.
2. Key Emulation: The scanned barcode data will display on the current cursor position, but don't output non-keyboard characters data, such as Chinese character barcode data information.
3. API: Get barcode data through Application Program Interface.

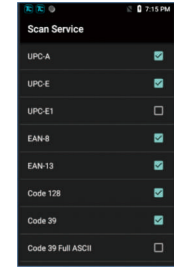
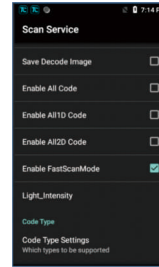
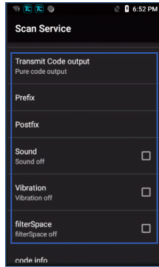
Enter Event:

1. Enter : Add to 'Enter' in the scanning results to end the event.
2. Space : Add to 'Space' in the scanning results to end the event.
3. Tab: Add to 'Tab' in the scanning results to end the event.
4. None: Don't add any ending character in the scanning results.

Chapter IV Application Software

4.1 Scanner Settings

Set 'Settings->ScanSetting' in the main operating interface.



Transmit Code output : Option Pure code output means only output barcode data information, and option Code Type output means output barcode data information and code type information.

Prefix : Add prefix character automatically.

Postfix: Add suffix character automatically.

Sound: Turn on/off scanning prompt sound.

Vibration: Turn on/off vibration.

Filter Space: Delete or keep character space in 1D/2D symbologies.

Extra Settings:

Set Scanner mode: Include four type of scanner modes, Single Trigger Mode, Presentation Mode, Continue Trigger Mode and Delay Trigger Mode.

Redundancy_level: Set scan engine security level, the level 1 is the lowest and level 4 is highest level(Different type of scan engine has different level definition).

UPC-A model: The option Country Code means output country code of UPC-A.

Decode Time out: If reach time out, scan engine will turn off decoding and aiming light, no matter it decode barcode successfully or not.

Time Interval Mode Between time: Set interval time of Continue Trigger mode.

Save Decode Image: Save decode image, only work for 2D scan engine.

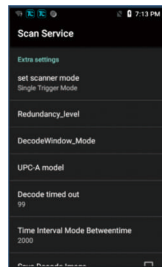
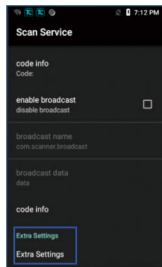
Enable All Code: Enable device decode all kind of 1D and 2D symbologies.

Enable All 1D Code: Enable device decode all kind of 1D symbologies.

Enable All 2D Code: Enable device decode all kind of 2D symbologies.


Light_intensity: Set scanning light, the level 10 means brightest light.

Code Type Settings: Set device enable or unable decode related type of 1D and 2D symbologies.



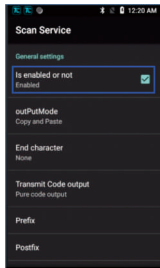
Chapter V Common Problems

5.1 How to deal with the issue of device can't connect to Internet?

1. Please detect whether there is a WIFI signal  identification at the top right corner.
2. Please detect whether the device is within the scope of network coverage and connected to the effective AP.
3. The WIFI connection setting interface, with the wireless network ->Wi-Fi (wireless internet).

5.2 How to make device scan 1D/2D barcode when you power on the device?

1. Please check whether the automatic scanner of scanning function was enabled.
2. Ensure the following settings



Chapter VI Precautions and Maintenance

Please carefully use your device with the excellent design and technology. The following suggestions can help you use the warranty service effectively .

1. Please use the device according to this Manual, rather than trying to adopt other methods.
2. Keep the device dry, to prevent the circuit board from corrosion, causing the failure on power-on and other problems due to put the device in humid place for a long time.
3. Keep the device clean and do not store it on the dust or dirty place for a long time. Thus, it may cause the failure of terminal on power-on or other problems.
4. Do not put the device on the overheating or over-cooling place for a long time.
5. Do not forcefully knock or drop the device.
6. Do not disassemble the device casually.

The correct usage method and maintenance of equipment can help you better make use of product performance. Among the problems reflected by many clients, most of them are caused due to the improper operation or inattention of maintenance. In case of any abnormal operation, it is suggest to read this Manual carefully or contact R&D personnel.