



**Mobile Intelligent Terminal**  
**Manual Instruction V2.0 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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Hello,  
Thank you for your concern and support to S50 series products. Before using the series products, you are highly recommended to read the User Manual carefully so as to give full play to product functions. Equipment and system may upgrade from time to time, so the latest version is the final basis. This manual is for reference only.

## Chapter I Introduction to S50 Series Device

### 1.1 System overview

S50 series product is an industrial hand-held terminal independently researched and developed, designed and produced according to the industrial characteristics. Its appearance is adopt the ergonomic design, with the light, flexible, anti-vibration and anti-dropping features, as well as long standby time and stable operating system. S50 series product 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 warehouse, channel, logistics, drug supervision, retail industry and other fields.

## 1.3 Product parameters

### S50 Series Product Parameters Table

#### Performance parameters

Operating system	Android 5.1
Processor	Qualcomm quad-core 1.1 GHz
Memory	1G RAM+8G ROM/2G RAM+16G ROM

#### Physical parameters

Display screen	3.5" 480×640 Capacitive Touch HD LCD
Dimensions	L 179.5 x W 78.18 x T 31.02mm
Weight	370g (including standard battery)
battery	Demountable 3.7V 3800mAH polymer lithium battery (supportive RTC battery), with over 10 hours regular use time. Standby time >200 hours
Camera	8 mega pixels, support flash lamp, automatic focusing and video
Keyboard	26 regular keys, 2 side keys for scanning, 1 reset key and 1 power key
Interface	1 Mini USB2.0, Micro SD/TF slot, SIM card slot
Power Adapter	Input: AC 100-220V 50/60HZ; Output: DC 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	-20°C ~ 50°C (Working)    -30°C ~ 60°C (Storage)
Electrostatic	±15kV Air discharge, ±8kV Direct discharge
Relative humidity	5% ~ 95%RH
Protection grade	IP65
Anti-dropping height	Bear the impact of dropping to smooth cement ground from the height of 2.5m for many times
Anti-rolling strength	Almost 1000 times for rolling within the scope of 1m (impact force)

## Data communication parameters

WIFI	IEEE 802.11 a/b/g/n
Bluetooth	Bluetooth 4.0
WWAN	GPRS/EVDO/TD-SCDMA/WCDMA/TD-LTE/TDD-LTE/FDD-LTE
GPS	High-accurate GPS, support A-GPS and BeiDou (optional)
Decoding ability	1D laser /2D image scan engine
	scanning precision: ≥ 3mil
	Depth of field: 3cm-70cm (Depends on barcode density and type)
	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

S50 series handheld mobile terminal



Front view



Side view



Back view

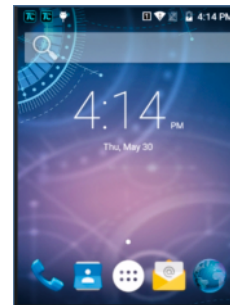



Top view

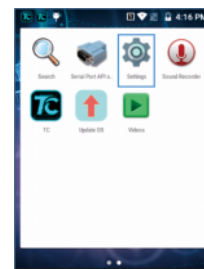
## Chapter III System Setting

### 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.

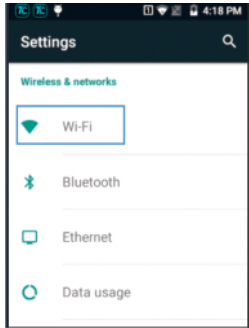


## 3.2 Wireless network

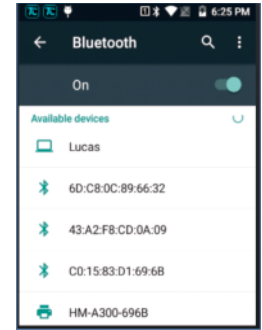
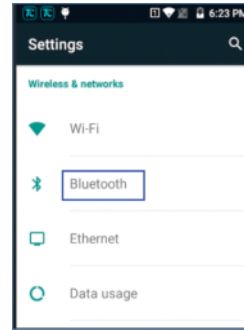
- Wi-Fi

Click 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.

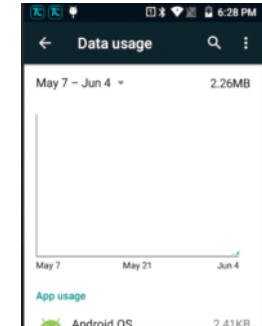
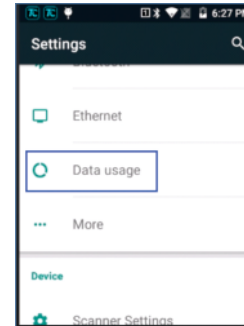


- Bluetooth



- Data Usage

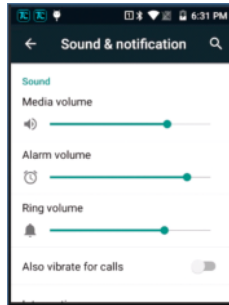
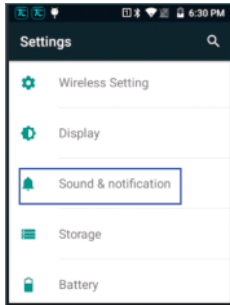
Select to open/ close the mobile data, and set up limit of mobile data.



### 3.3 Device Management

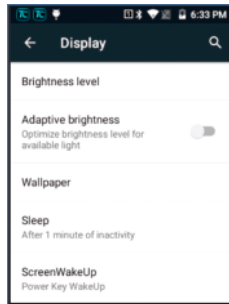
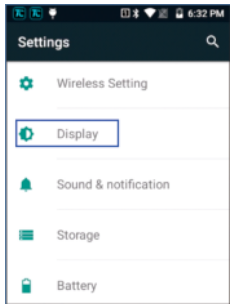
- Sound and Notification

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.



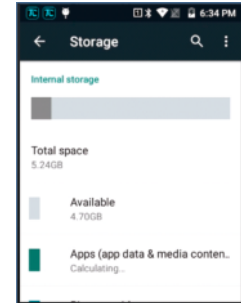
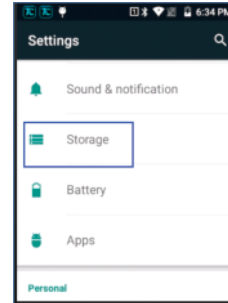
- Display

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



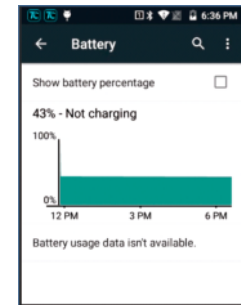
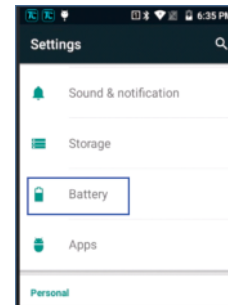
- Storage

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

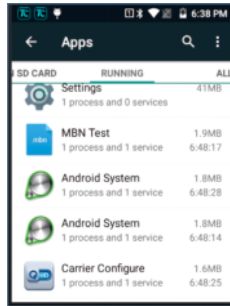
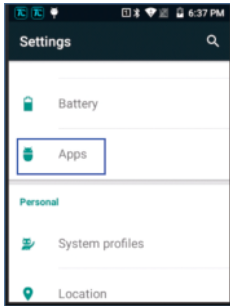


- Battery

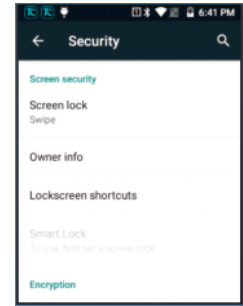
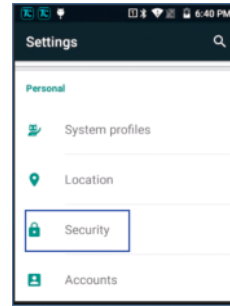
Display battery information.



- Apps  
Manage application program. Click on the catalog (downloaded, SD card, running or all) and select an application you want to uninstall, you will enter the following interface and then click 'uninstall' to remove the application from the hand-held terminal device.



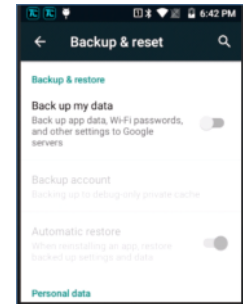
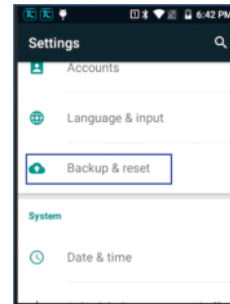
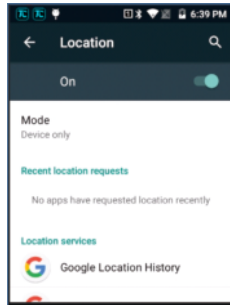
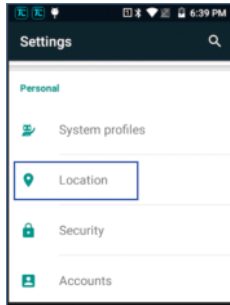
- Security  
Set Screen lock, Owner info, Encryption and Device administrators.



### 3.4 Personal information

- Location

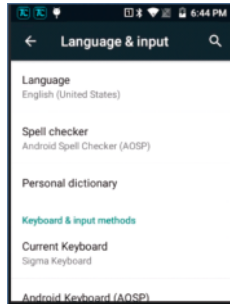
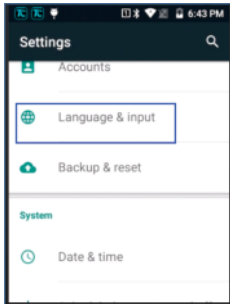
- Backup and Reset



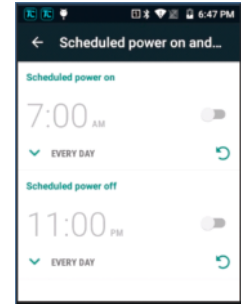
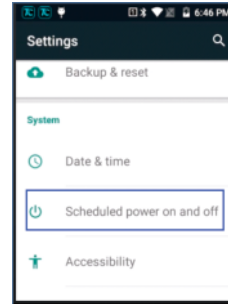


- Language and Input

For the options of language selection, text input and automatic error correction. Select the keyboard and input method you like, and set the 'Text-to-speech output' .



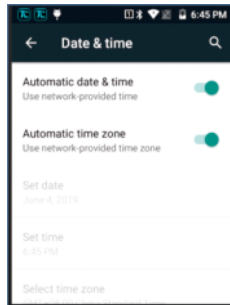
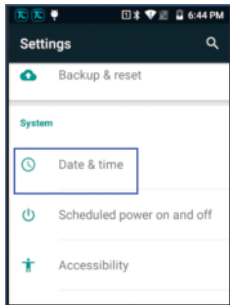
- Scheduled power on /off



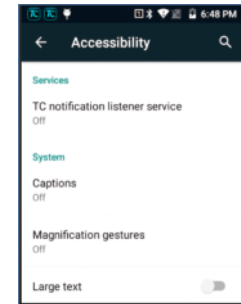
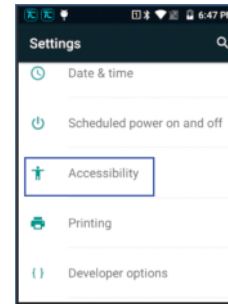
### 3.5 System information

- 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.

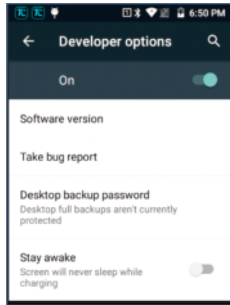
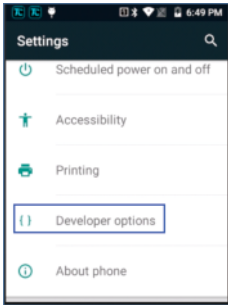


- Accessibility



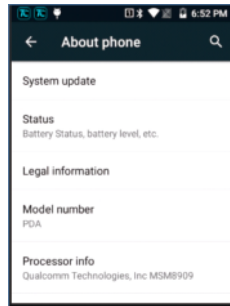
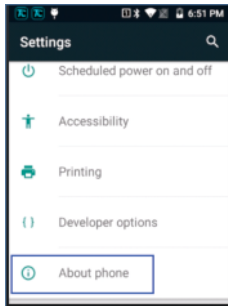
- Developer Options

Some other information of hand-held terminal device.



- About Phone

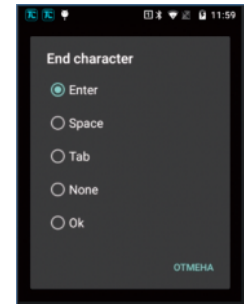
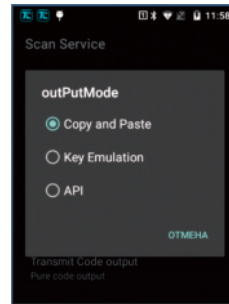
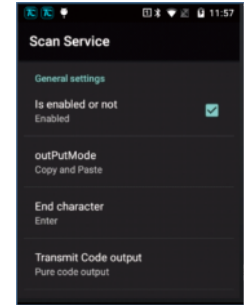
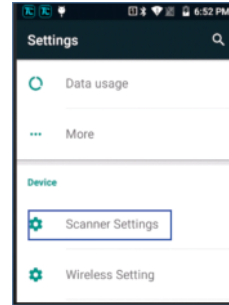
Click on this option to acquire the relevant information of hand-held terminal device.



## Chapter IV Application Software

### 4.1 Scanner

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



## 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.

Note: You could configure Prefix and Postfix, and unable/enable device decode related 1D and 2D symbologies in this configuration interface.

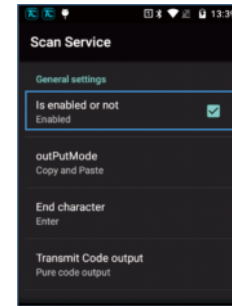
## Chapter V Common Problems

### 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



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## 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.