Mobile Intelligent Terminal
Manual Instruction V1.0 Version
Android Operation Manual
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Chapter I Introduction to S59 Device

1.1 System overview

S59 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. SHT59 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

<table>
<thead>
<tr>
<th>Performance parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating system</td>
</tr>
<tr>
<td>Processor</td>
</tr>
<tr>
<td>Memory</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physical parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display screen</td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>battery</td>
</tr>
<tr>
<td>Keyboard</td>
</tr>
<tr>
<td>Camera</td>
</tr>
<tr>
<td>Interface</td>
</tr>
<tr>
<td>Power Adapter</td>
</tr>
<tr>
<td>Input method</td>
</tr>
<tr>
<td>Audio</td>
</tr>
<tr>
<td>Way of notification</td>
</tr>
</tbody>
</table>
### Environmental parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>-10°C ~ 50°C (Working) -20°C ~ 70°C (Storage)</td>
</tr>
<tr>
<td>Electrostatic</td>
<td>±15kV Air, ±8kV Contact</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>5% ~ 95%RH</td>
</tr>
<tr>
<td>Protection grade</td>
<td>IP65</td>
</tr>
<tr>
<td>Anti-dropping height</td>
<td>Bear the impact of dropping to smooth cement ground from the height of 2.5m</td>
</tr>
<tr>
<td>Anti-rolling strength</td>
<td>Almost 1000 times for rolling within the scope of 1m (impact force)</td>
</tr>
</tbody>
</table>

### Data communication parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIFI</td>
<td>WIFI, support IEEE 802.11 a/b/g/n (optional)</td>
</tr>
<tr>
<td>Bluetooth</td>
<td>Bluetooth 4.0</td>
</tr>
<tr>
<td>WWAN</td>
<td>GPRS/EVDO/TD-SCDMA/WCDMA/TD-LTE/TDD-LTE/FDD-LTE</td>
</tr>
<tr>
<td>GPS</td>
<td>High-accurate GPS, support A-GPS and BeiDou (optional)</td>
</tr>
<tr>
<td>NFC</td>
<td>13.56MHz, support ISO14443 A&amp;B and ISO15693 protocols (optional)</td>
</tr>
<tr>
<td>Decoding ability</td>
<td>1D laser /2D image scan engine</td>
</tr>
<tr>
<td></td>
<td>scanning precision: ≥ 3mil</td>
</tr>
<tr>
<td></td>
<td>Depth of field: 3cm-70cm (Depends on barcode density and type)</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

### Chapter 2 Product Appearance

#### 2.1 Appearance view

Front view

Rear view

Left view

Right view

Bottom view

Top view

Keyboard toggle key
(Switch to the orange keys)

Keyboard toggle key
(Switch to the white keys)

Power Key

Key Reset

Keyboard Backlight Key
Chapter III System Setting

Introduce the software function of S59 series devices in detail.

3.1 Terminal operation interface

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

3.2 Wireless network

Wi-Fi

Click the setting button and icon \(\text{WiFi}\) to open the wireless network, and all available wireless networks will display, then click on the wireless network you want to connect.

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.
• 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.

• **Battery**
  Display battery information.

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

• **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.
3.4 Personal information

- Location

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

- 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’.
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

- Scheduled power on /off

- Developer Options
Some other information of hand-held terminal device.
• About Device
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.

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.