

# Intelligent handheld terminal



Simplified Operation Guide

# 1 Introduction

Thank you for choosing our smart handheld terminal. We hope our product can contribute to your efficient work. Please read this manual carefully before using the device and keep it for future reference. You can also visit our company's official website for the latest information.

## 1.1 Overview

This manual introduces product installation and basic operations.

## 1.2 Safety Precautions



### **Danger**

- During installation and use, strictly comply with all electrical safety regulations of the country and region.
- Avoid strong magnetic environments during use.
- Charge the battery before it is fully depleted, and do not use damaged charging equipment.

- Use the charger matched with the device; an unmatched charger may damage the device.
- The battery is flammable and explosive; do not dismantle, squeeze, strike, or perform other destructive operations on it.
- Do not expose the battery to high temperatures.
- If the battery emits a strange odor, overheats, changes color, deforms, leaks, or exhibits other abnormal phenomena during use or storage, immediately remove the battery from the charger or device and stop using it.
- Do not point the scanner directly at people's eyes.
- Do not dismantle the device without authorization; consult a device repair technician if a fault occurs.



## **Notes**

- Keep the screen and scanner clean.
- Prevent the charging port from being blocked by dirt.

- Avoid scratching the device with sharp objects.
- Connecting the device to the internet may pose network security risks; please strengthen the protection of your personal information and data security. If you discover potential network security issues with the device, please contact us promptly.
- You are responsible for reasonably configuring all passwords and other related product security settings and safely keeping your username and password.

## **2 Product Introduction**

### **2.1 Overview**

The 4G smart handheld terminal adopts an industrial-grade design, powered by an eight-core high-performance processor supporting Beidou and capable of transmitting via 4G, WIFI, Bluetooth, and other wireless communication methods. It offers

customizable features and is designed with IP68 ratings for drop resistance, waterproofing, dustproofing, and a sleek profile, providing you with an ultimate operating experience.

## 2.2 Exterior and Function Description

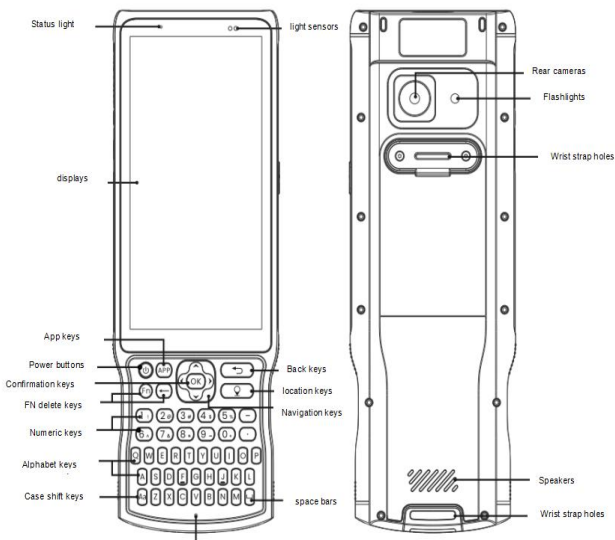


Figure 2-1 Solution of front and back view

## 2.3 Exterior and Function Description

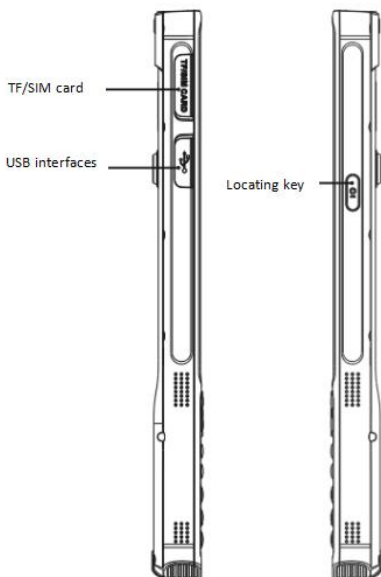


Figure 2-2 Left view and right view solution

## 3 Quick Start Guide

### 3.1 Installing SIM and TF Cards

1. Use the ejector pin as illustrated to open the SIM and TF card slots.

2. Place the SIM card and TF card as shown and push the card tray into the device (note: align the card tray's hole with the device's hole).

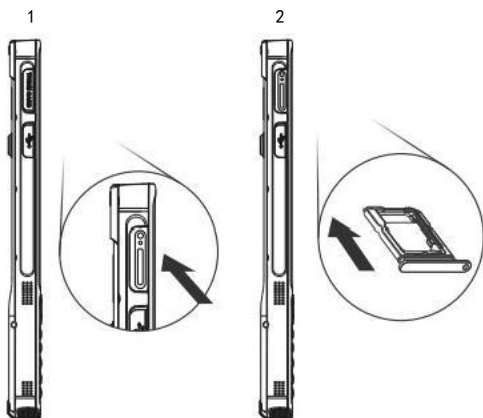


Figure 3-1 Installing an SIM and TF card

## 3.2 Powering On and Off

Press and hold to power on or off.



Figure 3-2 Switch on and off the device

### 3.3 Charging

Use the dedicated Type-C to DC cable provided in the packaging box for charging; during charging, the breathing light on the front of the device will flash red, and it will turn green and remain steady when fully charged.

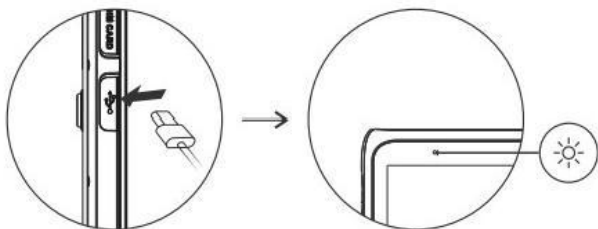


Figure 3-3

### 3.4 Quick Location

On the location interface, press the button to quickly obtain a location.

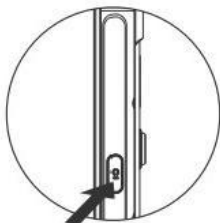
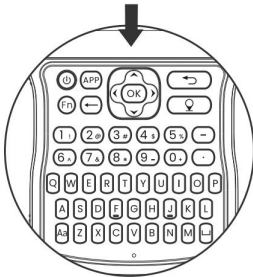


Figure 3-4

## 3.5 Default Keyboard Layout

(Default full keyboard)



(QWERTY keyboard,  
optional 9-key grid)

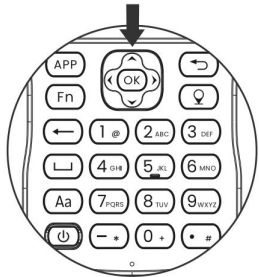


Figure 3-5

# 4 Technical Specifications

|                 |                   |                                                                                            |
|-----------------|-------------------|--------------------------------------------------------------------------------------------|
| System          | Operating System  | Andriod 11                                                                                 |
|                 | Hardware Platform | MT6762V Octa-core 2.0GHz                                                                   |
|                 | System Memory     | 64GB ROM + 6GB RAM                                                                         |
| Screen          | LCD               | 5.45 inches (720*1440) resolution,                                                         |
|                 | CTP               | Supports touch and glove touch                                                             |
| communication   | SIM               | NanoSIM+NanoSIM/NanoSIM+TF                                                                 |
|                 | WIFI              | Supports 2.4G/5.0G dual-band WIFI                                                          |
|                 | Bluetooth         | Bluetooth 5.0                                                                              |
| Positioning     | Supports          | GPS+GLONASS+Galileo+AGPS                                                                   |
| NFC             | Supports          | 13.56MHZ (supports ID card recognition)                                                    |
| SAAS            | Supports          | Public networks of the three major operators and mainstream surveying and mapping software |
| Sensors         | Supports          | Accelerometer, distance, light                                                             |
| Headphone       | Supports          | TYPE-C interface intercom headphones                                                       |
| Camera          | Supports          | Front 13MP                                                                                 |
| Speaker         | Supports          | 8Ω 2W                                                                                      |
| Microphone      | Supports          | dual MIC with noise reduction                                                              |
| Indicator Light | Tri-color light   | Indicates charging status, notification status, etc.                                       |

|          |          |                                                                                             |
|----------|----------|---------------------------------------------------------------------------------------------|
| electric | Battery  | Built-in 9000mAh                                                                            |
|          | Charging | TYPE-C standard interface supports 2A charging, data downloading, OTG, and other functions. |

Table 4-1 Technical specificatio

# 5 Restricted Substances or Elements Identification Table

Identification Table of Restricted Substances or Elements in Electrical and Electronic Products as per the Management Measures for the Restricted Use of Hazardous Substances in Electrical and Electronic Products



| Partial name  | Part of the name of the "Administrative Measures for the Restricted Use of Harmful Substances in Electrical and Electronic Products" restricted substances or elements |                  |                  |                                    |                                       |                                              |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------------------------|---------------------------------------|----------------------------------------------|
|               | Lead (Pb)                                                                                                                                                              | merc<br>ury (Hg) | cadmi<br>um (Cd) | hexa<br>valent chrom<br>ium (CrVI) | polybro<br>minated bipheny<br>l (PBB) | polybromi<br>nated diphenyl<br>ethers (PBDE) |
| Metal parts   | X                                                                                                                                                                      | 0                | 0                | 0                                  | 0                                     | 0                                            |
| Plastic parts | 0                                                                                                                                                                      | 0                | 0                | 0                                  | 0                                     | 0                                            |

|                             |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|
| Glass component             | X | 0 | 0 | 0 | 0 | 0 |
| Circuit board               | X | 0 | 0 | 0 | 0 | 0 |
| Power supply (if available) | X | 0 | 0 | 0 | 0 | 0 |
| Annex                       | X | 0 | 0 | 0 | 0 | 0 |

This form is prepared in accordance with the provisions of SJ/T11364-2014.

**0** indicates that the content of the hazardous substance in all homogeneous materials of the part is under the limit requirements specified in GB/T 26572-2011.

**x** indicates that the content of the hazardous substance in at least one homogeneous material of the part exceeds the limit requirements specified in GB/T 26572-2011, and there is currently no mature alternative in the industry to meet the environmental requirements of the EU RoHS Directive.

Disposal Instructions: After the product exceeds its usable life or becomes non-functional after repair, it should not be discarded casually. Please hand it over to an enterprise qualified for the disposal of waste electrical and electronic products. For correct disposal methods, please consult national or regional regulations on the disposal of waste electrical and electronic products.

Table 5-1 Identification of elements

## **6 After-Sales Service Card**

We sincerely provide services to you. Please read the following content carefully

1. Please keep this after-sales service card for warranty purposes.
2. Free warranty service is provided within the warranty period from the date of purchase.
3. When the product malfunctions, please request warranty service from the local agent or our company.
4. When submitting the request, please provide your name, phone number, contact address, and description of the malfunction.
5. The following situations are not covered by the free warranty:
  - Beyond the warranty period.
  - Damage caused by failure to install, use, maintain, and service the product as per the instruction manual.

- Damage due to human force or unauthorized dismantling.
  - Products repaired by non-company-authorized personnel.
  - Damage caused by inputting inappropriate voltage.
  - Damage due to force majeure (earthquakes, fires, etc.).
  - Malicious damage to the warranty card content or product information, including blurring, tearing, tampering, etc.
6. The final interpretation right of all the above provisions belongs to our company, which reserves the right to modify the provisions without prior notice.

## **Product Warranty Card**

Product Name: \_\_\_\_\_

Product Model: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

(based on acceptance check of the product)

Remarks: \_\_\_\_\_

# ▪ Quality Certificate

## Quality Certificate

(Quality inspector's signature omitted for practical purposes but should be included in the formatted version.)

Note: The above content has been translated into English and structured for easy readability, but illustrations, symbols, and specific formatting elements (such as fonts, sizes, margins, and image placements) need to be adjusted accordingly in the final formatted PDF document to meet professional standards.

Quality inspector : \_\_\_\_\_



## RF Specification:

| Function                                      | Operation Frequency                                                                                 | Max RF output power: |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|
| BLE                                           | 2402MHz~2480MHz                                                                                     | -3.83 dBm            |
| BT(BR+EDR)                                    | 2402MHz~2480MHz                                                                                     | 7.78 dBm             |
| WIFI 802.11b/g/n(HT20/40)                     | 802.11b/g/n(20MHz): 2412~2472MHz;<br>802.11n(40MHz):2422~2462MHz                                    | 16.02 dBm            |
| Wi-Fi<br>5.2G(802.11a/n20/n40/ac20/ac40/ac80) | 802.11a/ n20/ac20:5180MHz~5240MHz<br>802.11 n40/ac40:5190MHz~5230MHz<br>802.11 ac80:5210MHz         | 13.46 dBm            |
| Wi-Fi<br>5.3G(802.11a/n20/n40/ac20/ac40/ac80) | 802.11a/ n20/ac20:5260MHz~5220MHz<br>802.11 n40/ac40:5270MHz~5310MHz<br>802.11 ac80:5290MHz         | 13.35                |
| Wi-Fi<br>5.6G(802.11a/n20/n40/ac20/ac40/ac80) | 802.11a/ n20/ac20:5500MHz~5700MHz<br>802.11 n40/ac40:5510MHz~5670MHz<br>802.11 ac80:5530MHz~5610MHz | 13.28                |
| Wi-Fi<br>5.8G(802.11a/n20/n40/ac20/ac40/ac80) | 802.11a/ n20/ac20:5745MHz~5825MHz<br>802.11 n40/ac40:5755MHz~5795MHz<br>802.11 ac80:57750MHz        | 11.68 dBm            |
| GSM/GPRS/EGPRS 900                            | TX(Uplink):880M-915MHZ;<br>RX(Downlink):925M-960MHZ                                                 | 31.21 dBm            |
| GSM/GPRS/EGPRS 1800                           | TX(Uplink):1710M-1785MHZ;<br>RX(Downlink):1805M-1880MHZ                                             | 30.49 dBm            |
| WCDMA B1                                      | TX(Uplink):1920-1980MHZ;<br>RX(Downlink):2110-2170MHZ                                               | 23.36 dBm            |
| WCDMA B8                                      | TX(Uplink): 880-915MHZ;<br>RX(Downlink):925-960MHZ                                                  | 23.41 dBm            |
| LTE FDD B1                                    | TX(Uplink):1920-1980MHZ;<br>RX(Downlink):2110-2170MHZ                                               | 23.59dBm             |
| LTE FDD B3                                    | TX(Uplink) :1710-1785MHZ;<br>RX(Downlink):1805-1880MHZ                                              | 23.41 dBm            |
| LTE FDD B7                                    | TX(Uplink) :2500-2570MHZ;<br>RX(Downlink):2620-2690MHZ                                              | 23.33 dBm            |
| LTE FDD B8                                    | TX(Uplink): 880MHz to 915 MHz<br>RX(Downlink): 925 MHz to 960 MHz                                   | 23.23 dBm            |
| LTE FDD B20                                   | TX(Uplink): 832MHz~862MHz;<br>RX(Downlink):791MHz~821MHz                                            | 22.93 dBm            |
| LTE FDD B28                                   | TX(Uplink): 703 MHz to 748MHz<br>RX(Downlink): 758 MHz to 803 MHz                                   | 23.14 dBm            |
| LTE TDD B38                                   | Uplink & Downlink: 2570 MHz to 2620 MHz                                                             | 23.13 dBm            |
| LTE TDD B40                                   | Uplink & Downlink: 2300 MHz to 2400 MHz                                                             | 23.86 dBm            |
| NFC                                           | 13.56MHz                                                                                            | -10.03 dBuA/m@10m    |
| GPS                                           | Rx(Downlink): 1.57542GHz                                                                            | --                   |

## Warning:

1. CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
2. The product shall only be connected to a USB interface of version USB2.0.
3. Adapter shall be installed near the equipment and shall be easily accessible.

4. Operation temperature:-10~40°C.

5. The plug considered as disconnect device of adapter.

6. SAR: The device complies with RF specifications when the device used at 0.5cm from your body (SAR limit 2.0 W/Kg for 10-g). Member DASeparation distance of 0mm(SAR limit 4.0 W/Kg for 10-g).The device is in compliance with the requirements.

7. Shenzhen Tianlong Century TechnologyDevelopment Co.,Ltd. hereby declares that this Mobile Phone is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

8.According to Article 10(2) of Directive 2014/53/EU, the Device can be used in Europe with restriction.

Restrictions in the 5 GHz band:

According to Article 10 (10) of Directive 2014/53/EU, the packaging shows that this radio equipment will be subject to some restrictions when placed on the market in Belgium (BE), Bulgaria (BG), the Czech Republic (CZ),Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain(ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania(LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria(AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK),Finland (FI), Sweden (SE),, Turkey (TR), Norway(NO), Switzerland (CH), Iceland (IS), and Liechtenstein (LI).

The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

|                                                                                   |    |    |    |    |    |    |    |
|-----------------------------------------------------------------------------------|----|----|----|----|----|----|----|
|  | ES | LU | RO | CZ | FR | HU | SI |
|                                                                                   | DK | HR | BE | BG | DE | EE | IE |
|                                                                                   | EL | IT | Cy | LV | LT | SK | MT |
|                                                                                   | NL | AT | PL | PT | FI | SE | TR |
|                                                                                   | NO | CH | IS | LI |    |    |    |

#### 15.19 Labeling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### Absorption Rate (SAR) information:

This Device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. This device was tested for typical body-worn operations with the back of the handset kept 1.0cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

#### Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 1.0 cm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.