SinoGNSS

By ComNav Technology Ltd.

R50
Quick start guide

This manual is intended for reference purposes only.

There may be subtle differences between the actual product and the images depicted.

Please read this manual before using product.

Product

Type-C port

APP button

Positioning button

Return button

Arrow Keys

Power button

FN button

Enter button

Caps button

Rear camera

Flash LED

Horn

SIM card slot

Install SIM card and SD card.

Please pay attention to the direction of slot when inserting the card.

Inserting a non-standard card may result in damage to the SIM card holder of the device.

Open the SIM/SD plug first and take out the card tray with the PIN,then you can insert the SIMand SD card.

SIM card slot

Restart Device

Holding power button 2 seconds,choose restart.

Force Device Restart

Holding power button over 8 seconds.

Charge

Charging the device before first use is recommended

△Note:The charger plugs should be fuly plugged into socket and keep in easy-to-unplug location.

Safety Information!

Device is designed for working in -20C~55Cenvironment,proper storage

temperature is-30C~70C,lower or higher temperature would compromise, device performance,even cause potential damage to device or battery.

Charge device in 5C~35Cenvironment,in case of battery endurance

weakness.No support or responsibility will be undertaken if end user update device with third party ROM or crack device system.

Electromagnetic   Radiation

The maximum absorption rate of electromagnetic radiation is(SAR)s2.0W/kg. In special cases such as pacemakers,hearing aids,cochlear implants,users

should follow the doctor's instructions.

Warning:

- Disassembly battery.
- Demolition device.
- Repair device in unofficial sercice.
- Using uncerttified USB cable.
- Putdevice into or near microwave oven,fire,or other heat source.

Product Specification

General specification	
Dimensions	229*85*20mm
OS	Android 12
CPU	MT8786，2*2.0GHz A75+6*1.8GHz A55
RAM	4/6/8G
ROM	64/128GB
Camera	Rear camera 13MP AF，High brightness LED flash　　　　Front Camera 5MP FF
Display	5.46 inch，720*1280,5-point capacitive touch screen
NFC	Supporting agreement：ISO14443A/B,ISO15693,13.56MHz　　　　NFC reading distance：0~5cm
Battery	7000mAh 3.8V QC、PD fast charging
General specification	
Bluetooth	BT5.1(BLE)
Wi-Fi	IEEE 802.11a/b/g/n/ac 2.4G+5G dual frequency
WWAN	FDD-LTE：B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B25/B28A/B28B TDD-LTE：B34/B38/B39/B40/B41 WCDMA：B1/B2/B4/B5/B8 GSM：B2/B3/B5/B8 RF bands：GSM/WCDMA/FDD LTE/TDD LTE

Interface	
SIM card slot	1 ESIM +1 Nano SIM slot
SD card slot	1 Micro SD card slot
USB	USB TYPE-C interface ,supporting QC、PD，fast charging 9V2A
Performance	
operate temperature	'-25℃~+60℃
storage temperature	'-40℃~+70℃
Humidity	0~95%
ESD protection	'+16kV Air Discharge, ±8kV Contact Discharge
Protection	1.2m free drop to concrete with 6 sides,IP67
Accessory	
AC adaptor	1
USB cable	1
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Warranty Policy

ComNav Technology warrants that the product is free from defects inmaterials and workmanship during normal use in accordance with theproduct user manual during the warranty period, and provides warrantyservices within the warranty period.

The Standard Warranty Period last twelve (12) months in respect of theGNSS device, controller and external radio, from the original date ofpurchase. It may vary according to ComNav Technology authorizeddealers.

For Warranty Service, it requires:

1.Valid proof of purchase, receipt or Serial Numbers of products.

2.You are the first purchaser who legally acquired the product fromComNav Technology or its authorized dealers.

This Warranty Policy Does NOT Cover:

1.Damage caused by non-manufacturing factors,because of force majeure,but not restricted to lighting.high voltage,colision.

2.Damage caused by unauthorized disassembling,repairing.alteration and modification.

3.Damage caused by improper installation and operation despite the guidance in user manuals.

4.Damage caused by a non-authorized service provider.

5.Damage caused by your improper transportation.

6.Loss of,or damage to,your data and program by a product.

7.The Warranty does not apply to any software or accessories owned by ComNav Technology or third parties however.

Warranty   Card

To ensure your warranty service,please register on the date of   purchase on ComNav Techndlogy Official website->Support- Product registration.

Product Name: _____

Serial Number: _____

The date of shipment:_____

Customer Name: _____

Tel Number: _____

Address: _____

If you experience problems with SinoGNSS products during the   warranty period and cannot be fixed by referring to User Manual, please contact your local dealer or ComNav Technology Support Team for remote problem diagnosis and fixing

If the device is diagnosed as needing repair,you will be required to fill out a Repair Request,which should be sent to ComNav Technology   service center.The Repair Request needs to be filled out on ComNav Technology Official website->Support->Repair Request.

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

Specific Absorption Rate (SAR) information:

This Data Collector 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. Device types: Data Collector has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the phone kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 0mm separation distance between the user's body and the back of the phone. 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.