ComNav Technology

User Guide

P6 Data Collector



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This is the V1.0 (December, 2025) revision of the P6 data collector User Guide. It cannot be copied or translated into any language without the written permission of ComNav Technology.

Technical Assistance

If you have any question and can't find the answer in this manual, please contact your local dealer from which you purchased the P6 controller. Alternatively, request technical support from ComNav Technology Website: *www.comnavtech.com* or technical support email: *support@comnavtech.com*. Your feedback about this Guide will help us to improve it with future revisions.

Safety Information

Device is designed for working in -25~60℃, proper storage temperature is -40~70℃, lower or higher temperature would compromise device performance, even cause potential damage to device or battery. Charge device in 5~35℃ environment, in case of battery endurance weakness.

Charge

Charging device before first use is recommended.

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

Warning and Caution

Following actions may cause battery safety risks, resulting safety problems:

- Disassembly battery.
- Demolition device.
- Repair device in unofficial service.
- Using uncertified USB cable.
- Put device into or near microwave oven, fire, or other heat source.

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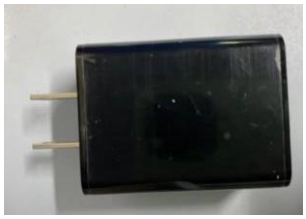
1 P6 Introduction

The SinoGNSS P6 is a professional GNSS data controller with smartphone capabilities, it has 6''sunlight-readable touch display and backlight keypad. Equipped with Wi-Fi, 4G, and Bluetooth 5.1, you are able to easily connect or control the SinoGNSS GNSS receivers, enhancing efficiency and productivity in the field.

1.1 P6 parts list

Survey Master can only run in Android operating system, and the android device specification should be at least or better than the ones listed below:

Items	Picture
1*P6 data collector	
1*USB cable	
1*Charger adapter (EU/USA/UK)	
EU	

USA	
UK	

1.2 Appearance



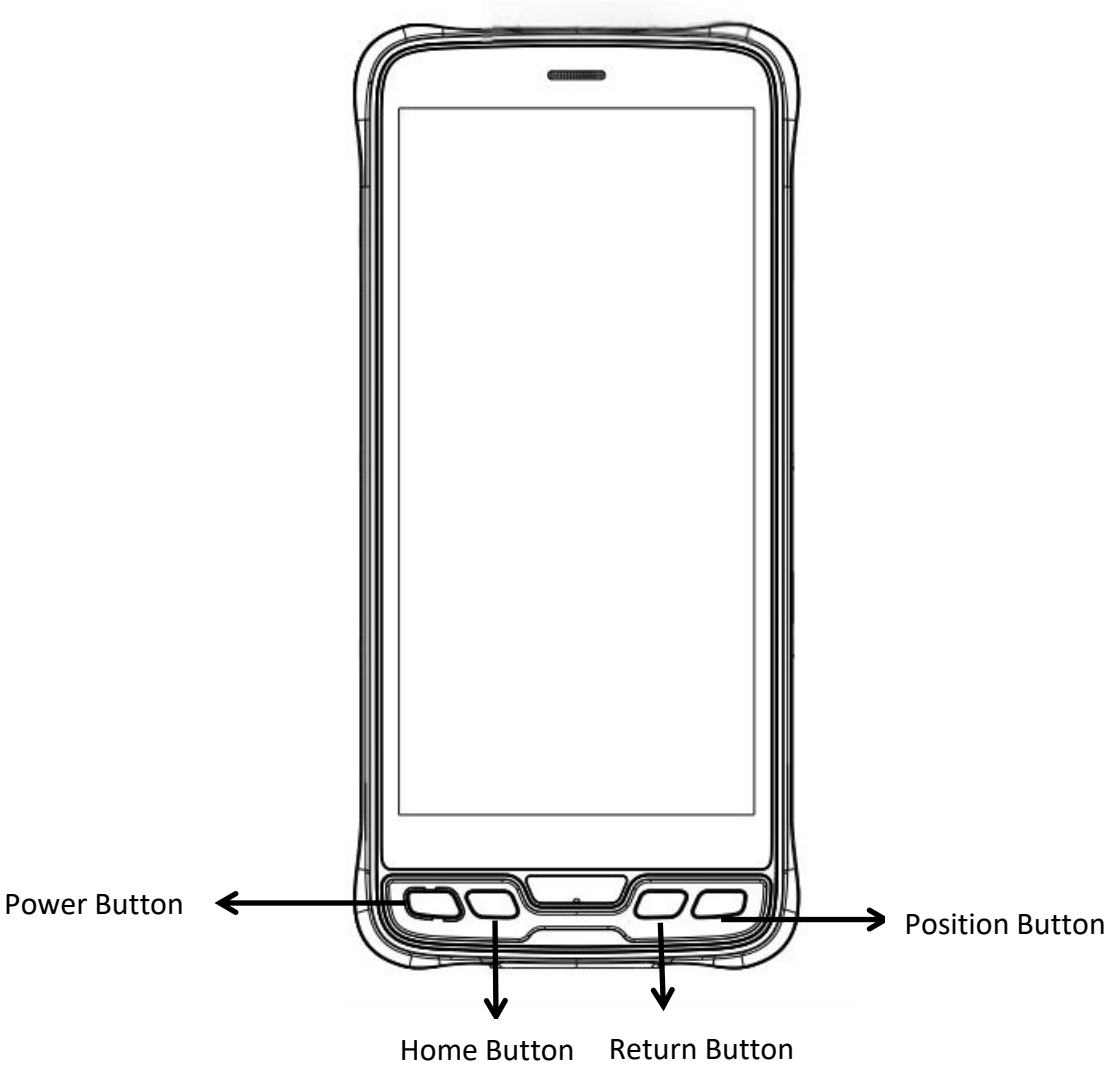
1.3 Survey Master Data Collection Software

Survey Master(SM) is a professional Android-based surveying software developed by ComNav Technology. The setup Wizard makes you easily configure the GNSS, and with the User-friendly interface with smart menus, objects and graphics you can collect field data through Topo survey/Auto survey/Area Survey, Static and PPK, also stake points/lines. Moreover, Survey Master provides a convenient way to import/export surveying data.



2 P6 Using

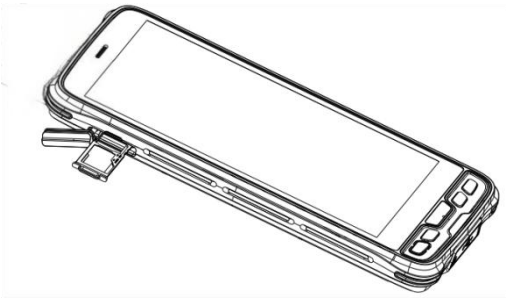
2.1 General function



Descriptions:

1. Power Button: Long press for 3 seconds to power on/off/restart, long press for 10 seconds to reset P6.
2. Home Button: Instantly returns to the main home screen from any app or menu.
3. Return Button:Goes back to the previous screen or exits the current action.
4. Position Button:In map or navigation views, instantly centers the map on your current real-time location.

2.2 Installation SIM Card and TF Card

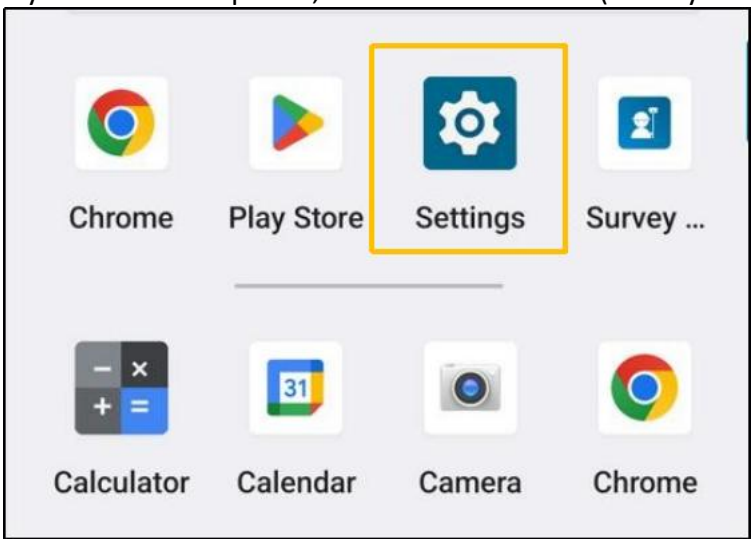


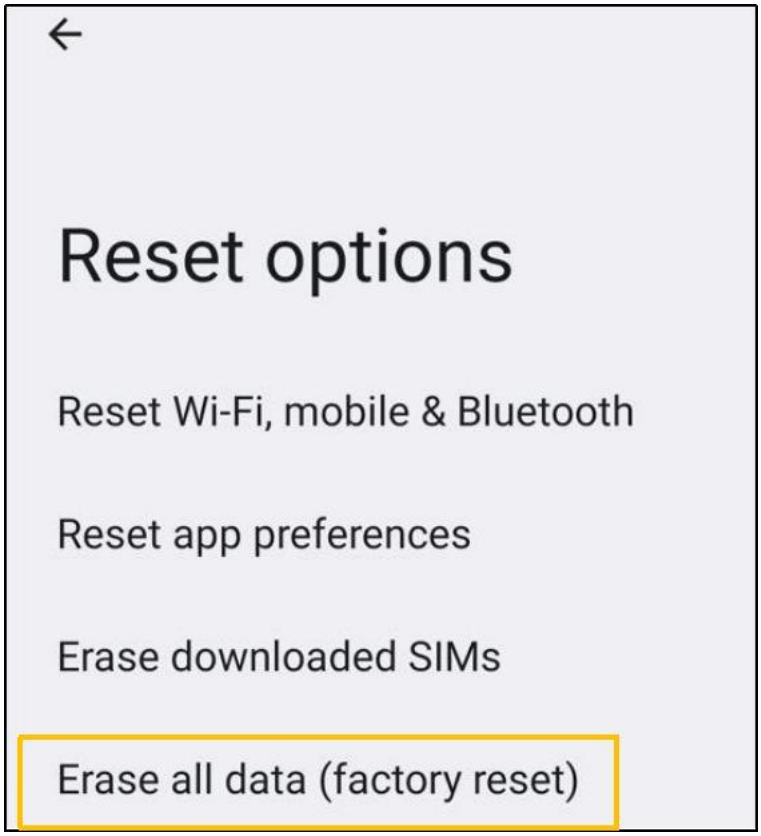
P6 controller uses Nano SIM card, the installation steps are as followings:

1) First, unscrew the gray cover on the left side of P6.
2) Pull out the SIM/TF card slot and insert the SIM/TF card into the slot.

2.3 Factory Reset

In Settings, go to System->Reset Options, choose Erase all data(factory reset)





3. Technical parameters

Itesms	Parameters
CPU	MT8786,2*2.0GHz A75+6*1.8GHz A55
OS	Android 12.0 Operating System
RAM	4GB
ROM	64GB
Rear Camera	13 megapixel camera
Front Camera	5 megapixel camera
Display	6’’ capacitive touch screen 500 nits brightness
Resolution	720 * 1080 resolution
Battery	6800 mAh
Charging	support QC and PD fast-charging protocols
Bluetooth	BT5.1 with downward compatibility
Wi-Fi	IEEE 802.11 a/b/g/n/ac, 2.4GHz/5GHz
Communication	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B4/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B25/B28A/B28B
Interface	USB-Type C,Support OTG
Notification type	sound, vibration, LED signal

Working temperature	-25 °C to + 60 °C
Storage temperature	-40 °C to + 70 °C
Waterproof and dustproof	IP67
Shock	survive a 1.5 m drop onto concrete