

H6

Technician Manual



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1 Introduction

Welcome to SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD., which is China's leading manufacturer of surveying equipment including GNSS receivers and Total Stations. To know more about SOUTH, please visit our official website <http://www.southinstrument.com/>

Our company detailed information as follows:

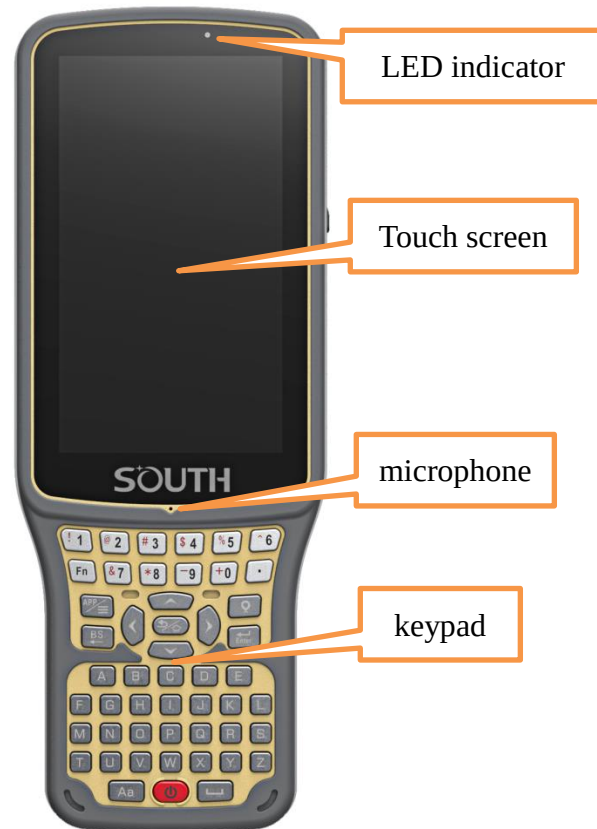
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This manual takes H6 for example, to explain how to install, set up and uses the controller system as well as the use of the accessories. We recommend that you read these instructions carefully before using the instrument.

2 Interface



front

★LED indicator: it will on when charging the controller battery.

★Touch screen: capacitive touch screen, multi-touch.

★Microphone: to record voice.

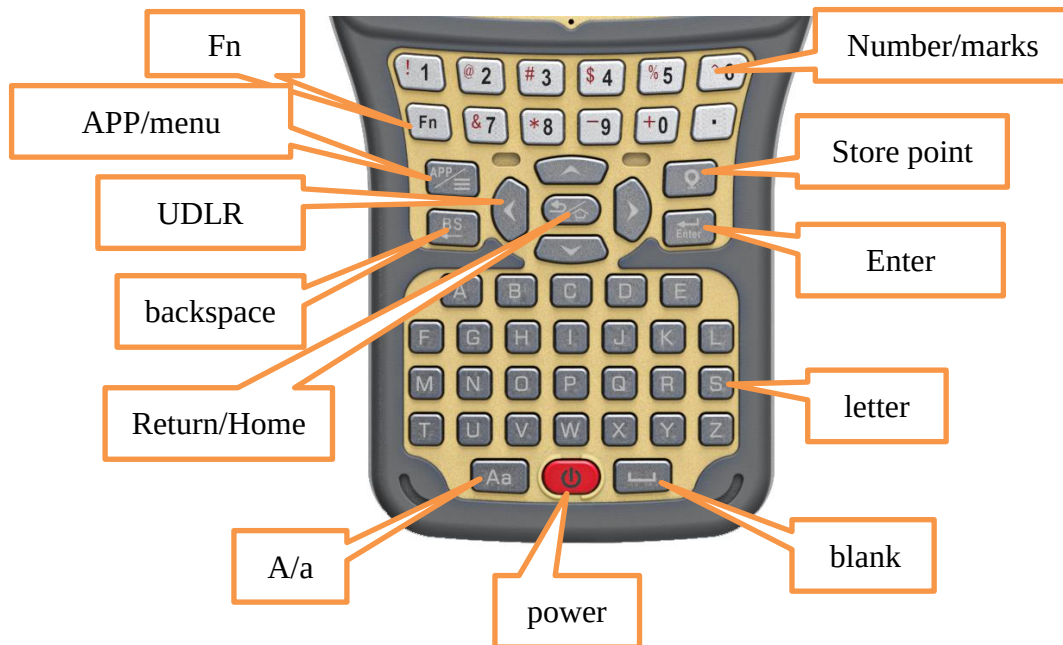
★Keypad: H6 has 50 keys.



rear

- ★Camera: 13MP AF, to take photos and videos.
- ★Flash: flash during take photos and videos, or use as flashlight.
- ★NFC: to connect with GNSS receivers faster.
- ★Type-C interface: to change H6 battery, data transfer with PC and OTG functions.
- ★SIM card slots: H6 has two nano-sim card slots.
- ★Speaker: to send alerts or voice.
- ★Wristband: a nylon band.

3 keypad



★Fn: function key, to switch between Number and mark keys.

★Number/marks: the number and mark keys.

★APP/menu: quickly click this key to open SOUTH EGStar app, long press this key to show menu.

★Store point: when using SOUTH EGStar app, click this store point key can quickly store a point.

★UDLR: up/down/left/right keys.

★Enter: to confirm.

★backspace: to delete what you've input.

★Return/Home: quickly click this key to return/go back, long press this key to back to H6 Home page.

★letter: English letters keys.

★A/a: to switch between capital letters and lowercase.

★power: quickly click this key to turn on/off screen, long press this key to turn on/off H6 controller.

★blank: bland keys.

4 Basic operations

4.1 Turn on/power off H6 controller

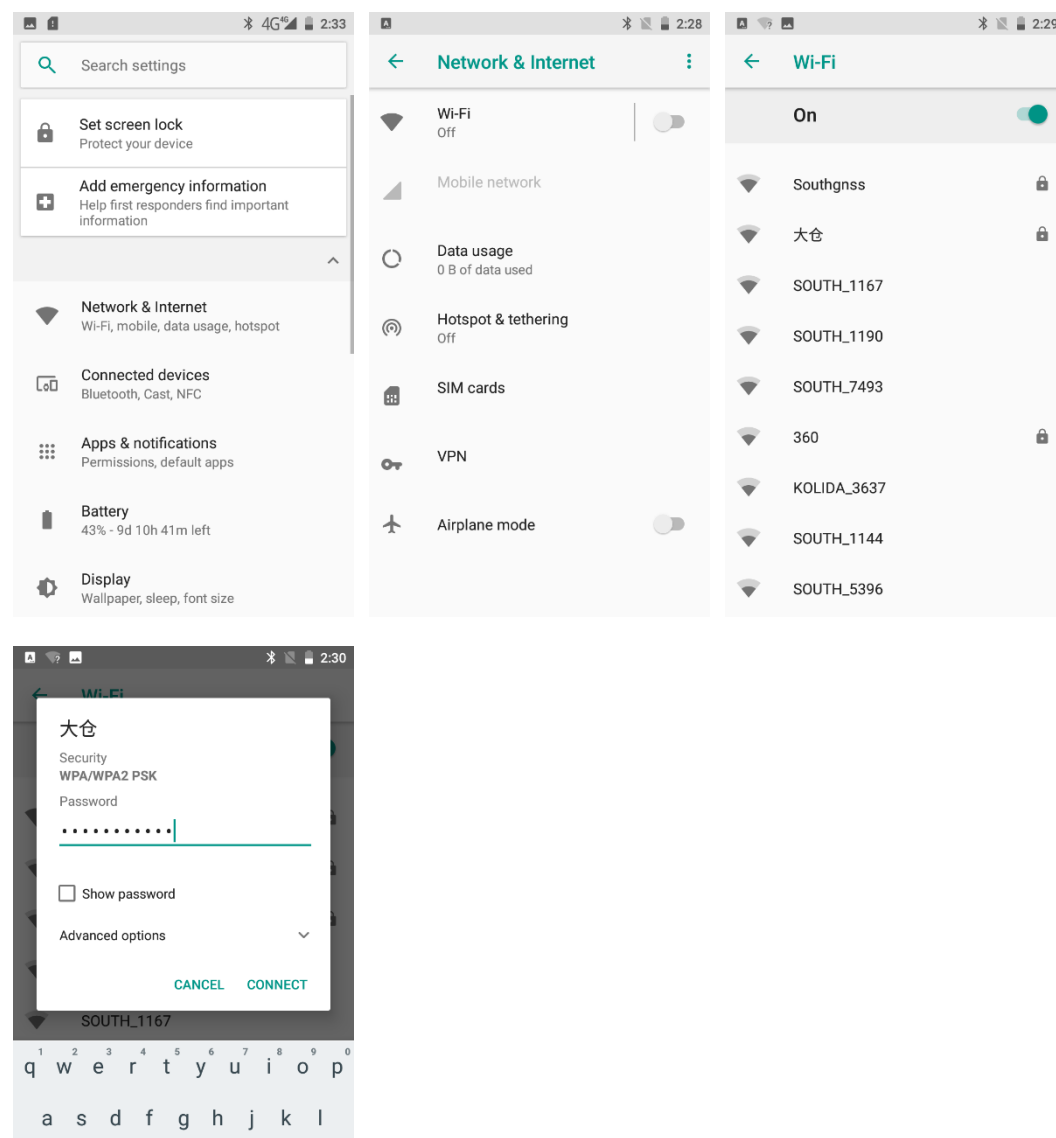
Long press the Power key to turn on/power off H6

4.2 Controller battery and charging

H6 has an internal unmovable 9200mAh battery, please do not disassemble it. Using adapter and USB-Type-C cable line to charge the controller. If not use H6 for a long time, please charge it once every two month.

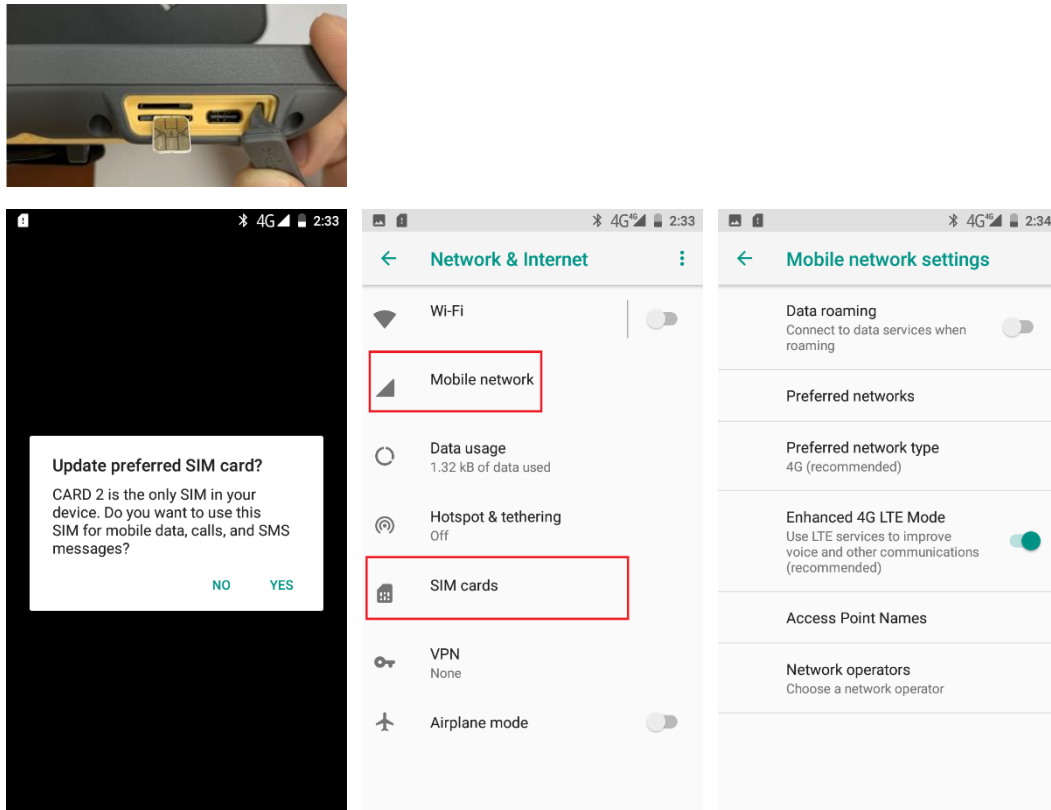
4.3 Wi-Fi connection

Settings > Network & Internet > Wi-Fi, turn on Wi-Fi and choose a Wi-Fi.



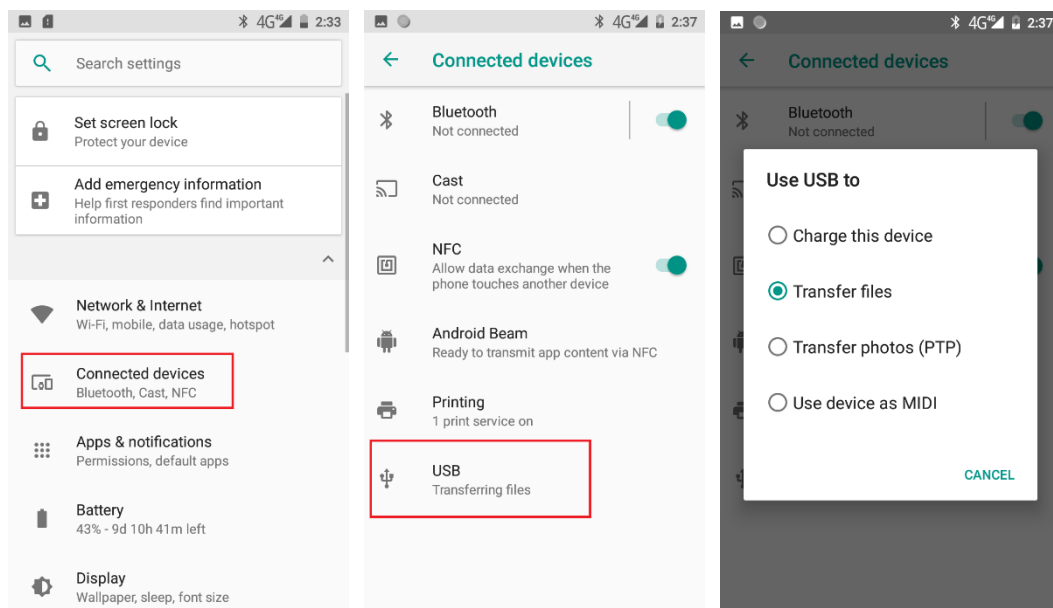
4.4 SIM card

Put a nano-sim card to H6, after that you need to restart H6 to enable the sim card.

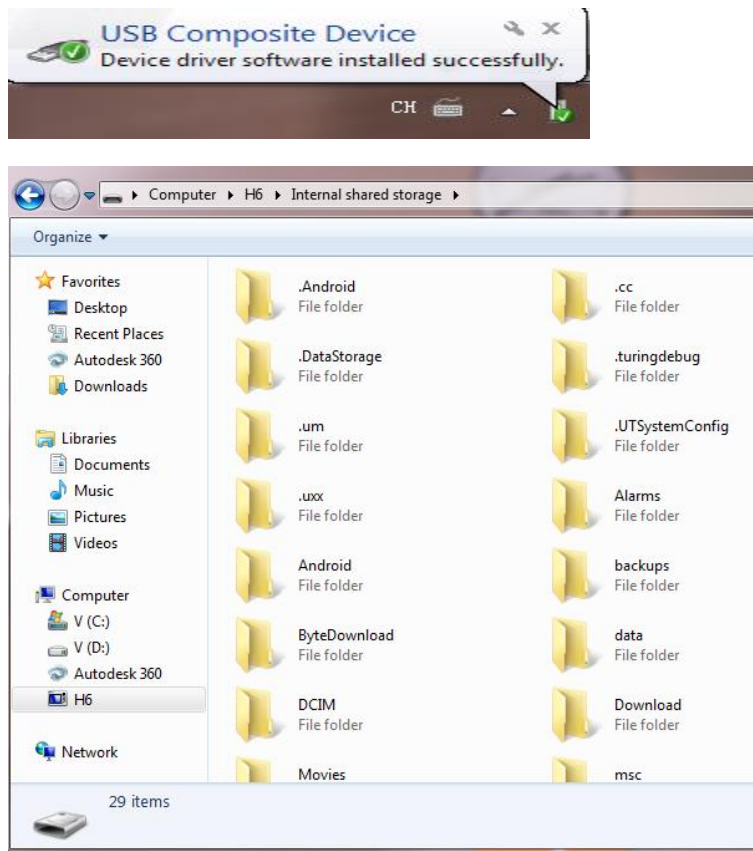


4.5 connection with computer

Connect H6 to PC through a Type-C USB cable line, go to H6 settings > connected devices > USB > Transfer files.

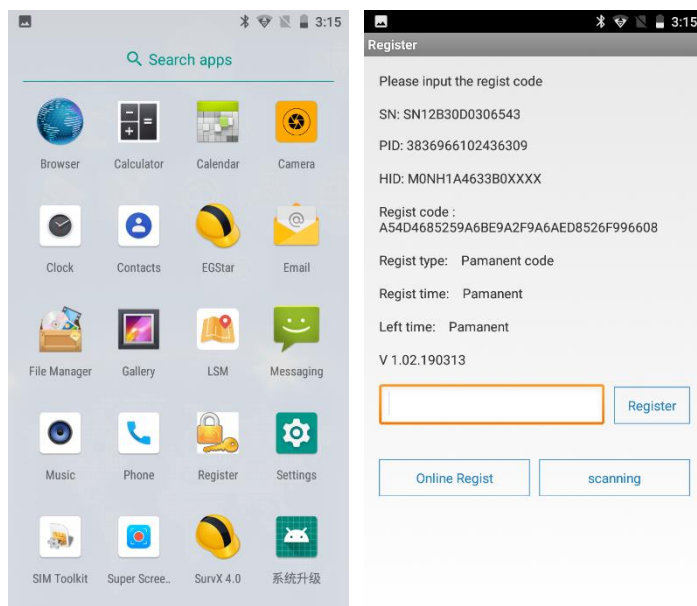


PC will install the driver automatically,



4.6 H6 controller register

Open Register app, input the register code for this H6 controller.



5 Accessories

Adapter: output 5V-1.67A/7V-1.67A/9V-1.67A.
Model: L003IT-016C.



Cable line: USB Type-C.



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 Mobile operating terminal 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: Mobile operating terminal has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the Mobile operating terminal kept 10mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 10mm separation distance between the user's body and the back of the Mobile operating terminal. 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.