



# COMNAV

## T300 QUICK GUIDE

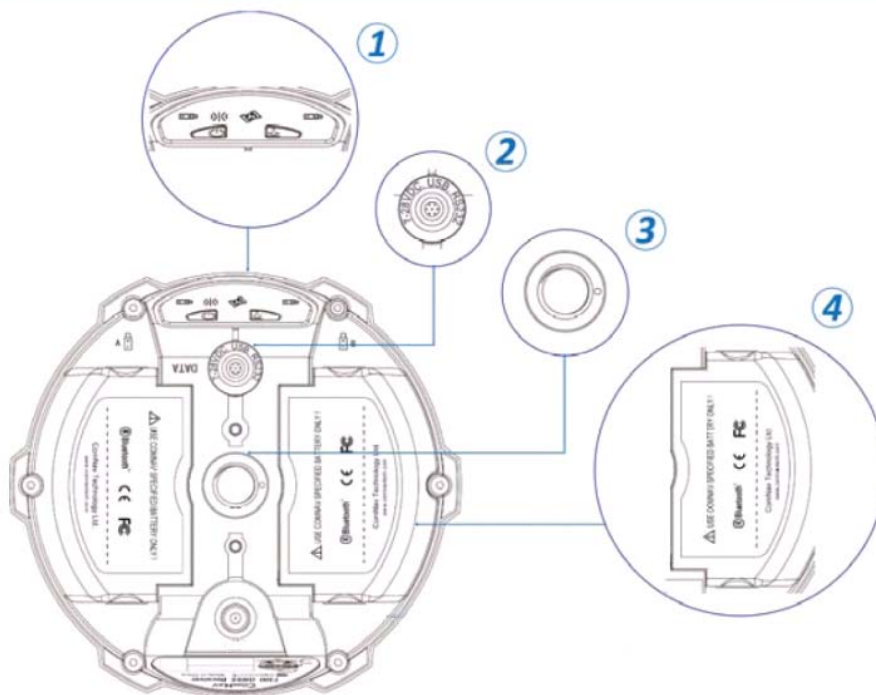
ComNav T300 GNSS receiver is an integrated receiver that incorporates a GNSS engine, GNSS antenna, batteries.

T300 receiver is a product which combines lots of market proved advantages together, and it is an ideal RTK land survey product for surveyor.

This manual is intended to give the brief introduction of T300 hardware to new users, and how to use T300 for Static and RTK Survey. Please refer to User Manual for more detailed information.



### COMPONENT



The components of T300 are listed as followings:

- ① Control panel
- ② Lemo port (7-pin )
- ③ Fixing socket
- ④ Battery back cover

## PANEL

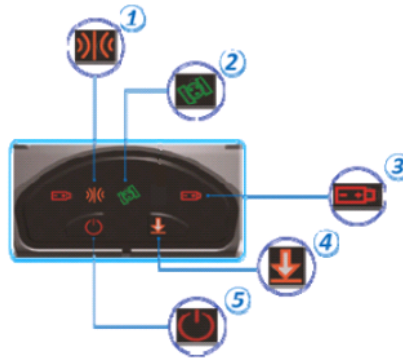
There are two panels on T300, the front (control panel) and the back (logo panel).








The logo panel includes the following information:

- ComNav logo
- Product model
- Antenna information
- Receiver P/N
- Receiver S/N

The control panel includes the following information:



Functions	States	Prompts
①  Differential LED	Flashing once per 1 second	Receiving/transmitting differential data
②  Satellite LED	Extinguishing Or flashing once per 5 seconds	Searching satellites
	Flashing N times per 5 seconds	Received N satellites
③  Battery LED	Long bright	Enough power
	Flashing	Low battery
④  Data logging	Long press to switch on/off raw data logging. Flash depend on sampling	
⑤  Power button	Long press the key, turning on/off the T300 receiver	

## WORK MODE

The work mode of ComNav T300 includes static mode and RTK mode.

The hardware connection of different modes are described as follows.

### STATIC MODE

Place the T300 on the survey point steadily, make a long time continuous observation and then you can get a static observation data of the measuring point.



The hardware connection information of the static mode is as follows:

Hardware components: ①T300      ②Tribrach      ③Tripod

Connection relation: (from the top to bottom, as shown above) ① → ② → ③.

### CORS MODE

CORS mode employs the network RTK technology with no need to set up your own base stations. Using T300 receiver as a rover, you can survey the feature point coordinates in real-time.



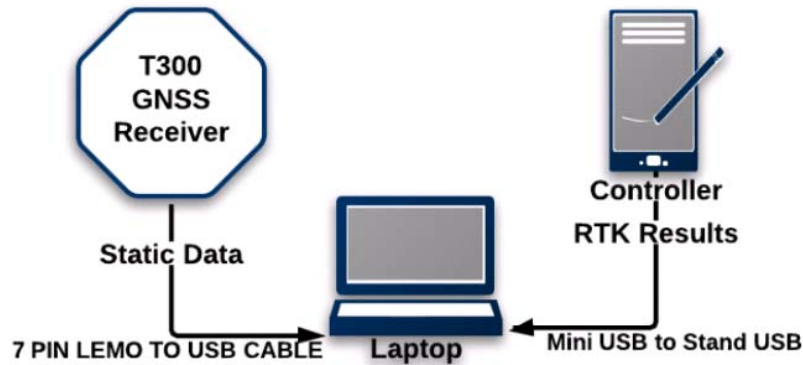
The hardware connection information of the CORS mode is as follows:

Hardware components: ①T300      ②Controller      ③Range Pole

Connection relation: (as shown above) ① and ③ directly connected, ② and ③ connected by a bracket support

## EXPORT DATA

To export RTK survey result, USB cable for the controller can be used to link controller with your office computer. To download raw observation data in T300 internal memory, 7-pin Lemo to USB cable can be used to link T300 with your office computer with CRU (Compass Receiver Utility) software installed. Refer to User Manual for further information.



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 correct the interference by one or more of the following measures:

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

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.