



SDL Radio

Specification

Internal module	GPS\3G\UHF\BLUETOOTH module
Work mode	radio model, network repeater model, radio repeater model
Device interface	5-pin for external power and data transmit 2-pin for charging UHF antenna TNC interface Network antenna TNC interface
Power	Input: 15V, 2A Output maximum output voltage 12.6V, 2A Transmit Power: 7W Built-in battery capacity: 11.1V 9300mAH Charging time: 6h Work time: 10h
Radio	Protocol: TRIMTALK 450S, TRIMMARK III, PCC, SOUTH, SOUTH19200 Frequency: 410MHz---470MHz
Network	GSM / GPRS/WCDMA 3.5G
Bluetooth	Bluetooth 2.0
WorkTemperature	Operation:-20°C — +60°C, Storage:-40°C— +80°C
Physical	Dimension: 127mm × 96mm × 101.5mm Weight: 1.05kg Protection: IP67

Main Function

Radio model, network repeater model, radio repeater model

- Radio model

It can be used as a traditional external radio, transmit signals

- Network repeater model

Use network module to login CORS to get difference data, then transmit difference data via radio module.

- Radio repeater model

Receive the difference data from base, then gain the signal and transmit again, extend the work distance

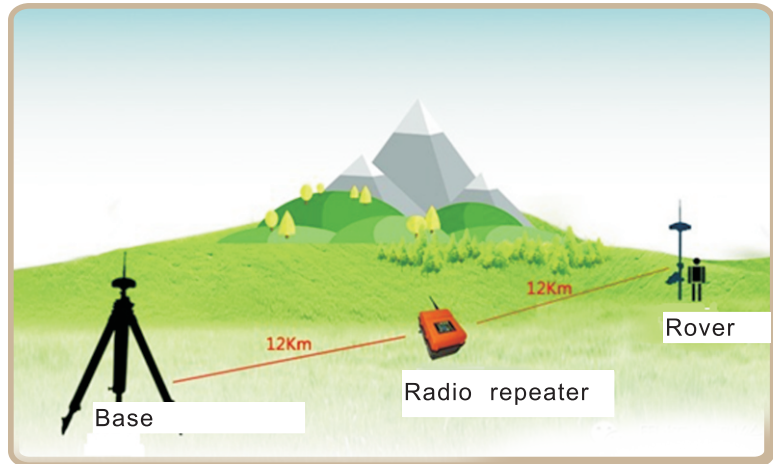




Features and Advantage

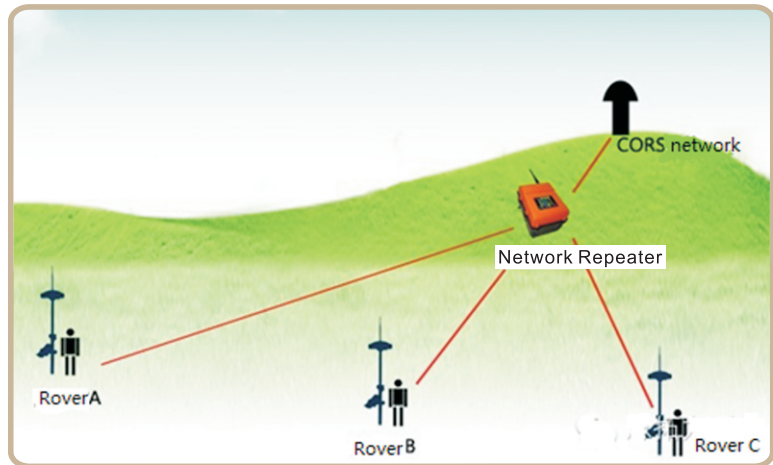
(1) Extend work distance

If you just use internal radio to work. The work distance just can be a short distance. If you want to have a long distance, traditionally you should use an external radio and an accumulator. But now with the SDL you can receive the signal from base, then gain the signal and transmit again. This time you can get another 12km.



(2) Receive and transmit CORS signal

The SDL has a SIM card slot, so you can connect it to the CORS, then configure the CORS configuration with the software. After all of this it can receive signal from CORS, then transmit the signal via radio, many rover can connect it together. With only one CORS account, many rover can work together.



(3) Instead of traditional external radio, easy to carry

With small size and light weight, it's easy to carry. It has a large capacity battery, which can make sure work time can reach at least 10 hours.

