

SOUTH S1

External UHF radio



Bluetooth 4.0



IP67



Power control



■ Cooling control

The new design housing has more cooling fins to make the radio temperature cool down during the transmission, so that the radio can work properly

■ Flexible band rate

S1 radio has a new air band rate 38400, to ensure the data flow is enough for muti-constellation, so that Rover will get stable corrections.

■ Use define frequency

410MHz to 470MHz, you can set the frequency of each channel, to avoid the interference from other radio.

■ Bluetooth control

We have Android app to configurate the radio functions (such as frequency, channel, protocol, power) through Bluetooth.

■ 1.54-inch display

The S1 LCD display can show the configuration informations such as frequency, channel, protocol, power.

■ Muti-protocol

S1 supports SOUTH/TrimTalk protocol, compatiabile with different GNSS receivers.

■ Power control

S1 has auto power control system, battery voltage warning.

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SPECIFICATIONS

Radio	
Protocol	SOUTH/Trimtalk
Power	10W/25W, option 30W
Frequency	410MHz ~ 470MHz
Channel Bandwidth	12.5 kHz/25 kHz
Rx Sensitivity	$\leq 0.25\mu\text{V}$ (12dB SINAD)
Air Band Rate	9600/19200/38400
Serial Band Rate	9600/19200/38400
Channels	16
Interface	
Display	1.54 inch LCD
Buttons	4
Indicator	2 indicator lights
configurations	Through Android app or buttons
Link	
BT	BT v4.0
Data/Power Connector	5-pin LEMO external power port +Rs232
RF Connector	TNC female
Environmental	
Operating Temperature	-40°C to +80°C
Storage Temperature	-45°C to +85°C
Waterproof/Dustproof	IP67
Shockproof	1 m
General	
Size	178*135*68mm
Weight	2.3KG
Power	9.0V DC to 15.0V DC, nominal @ 12.0V DC

SOUTH S1 external UHF radio is an all new design of product for the field works. It supports SOUTH / Trimtalk protocols, 410 MHz to 470 MHz. Even in the field without a computer, the 1.54-inch LCD interface makes the configuration and troubleshooting possible and visualized. This radio features with rugged housing, better cooling fins, power control, flexible and convenient settings.