

SOUTH S1

External UHF radio



Multiple protocols



Further distance



Stable transmission



Bluetooth control

■ Wire/Wireless connection

S1 supports connecting with Base receiver via the 5-pin LEMO cable line, or via the wireless communication. For most base receivers, it is recommended to connect with S1 radio via the 5-pin LE52X cable line. If your base receivers have Wi-Fi hotspot, S1 can also connect to the hotspot and transmit data.

■ Digital display

The 3-digit display is reliable and simplified. you can check the radio channel, wireless from the digital display.

■ Easy-to-use

It is easy to switch radio channel and protocol via the front panel buttons. Or using the android app to configure via Bluetooth

■ Multi-protocol

S1 supports SOUTH/Trimtalk/Farlink/Kolida/Satel/Huace/Hi-target protocols. the frequency of each channel can be changed from the android app.

■ Power management system

Advanced power management system, keeps S1 continuously works effectively when the battery voltage is decreasing. The Electrostatic discharge (ESD) system prevents S1 from electrostatic damage

SOUTH S1

External UHF radio



S1 radio offers variable configurations and has stable performance. now it supports SOUTH latest Farlink protocol to optimize the performance and power consumption. 120 radio channels are available on are now available on S1 to avoid the signal disturbances. The rugged aluminium-alloy shell is suitable for harsh field environment.



SPECIFICATIONS

Radio	
Frequency	410MHz ~ 470MHz*
Modulation	GMSK/4FSK
Channel bandwidth	25KHz@other, 500KHz@Farlink
Channel	120 channels @other, 60 channels @Farlink
Protocol	SOUTH/Trimtalk/Farlink/HUACE*/Hi-Target*/SATEL*/KOLIDA*
Air baudrate	9600/19200*
Wireless	
Bluetooth	BT2.1, to configurate settings of radio
Wi-Fi	Client mode
Interface	
Display	3-digital 7-segment display
LED	4 LED(Protocol, BT, TX, Power)
Button	4 buttons
TNC	For external UHF antenna
LEMO	5-pin LEMO for power and I/O
I/O Port	RS232
Electric	
Power	25W
Input	9~15V DC, polarity reversal protection
ESD	Supports
Environmental	
IP	IP67
Shockproof	1m
Operation temperature	-30°C~60°C
Storage temperature	-40°C~85°C
Weight	1.35kg
Size	144*174*65.9mm

Items marked with * could only be configured via software.

SOUTH
Target your success

SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.

Add: South Geo-information Industrial Park, No.39 Si Cheng Rd, Guangzhou, China

Tel: +86-20-23380888 Fax: +86-20-23380800

E-mail: mail@southsurvey.com export@southsurvey.com impexp@southsurvey.com gnss@southsurvey.com
http://www.southinstrument.com http://www.southsurvey.com