

SETTOP RADIOLINK

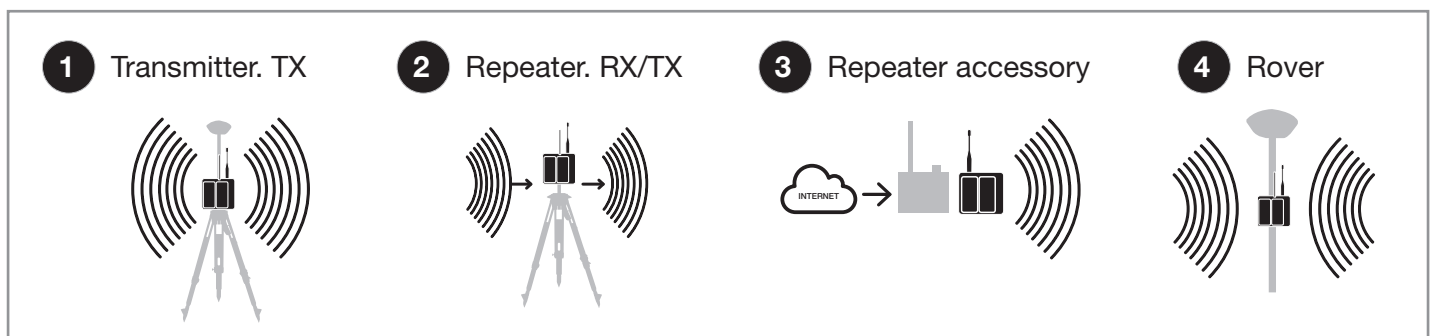
TRIMTALK®
TRANSPARENT
SATEL®
2W
390-470MHZ

A VERSATILE RADIO. A PERFECT SOLUTION FOR YOUR RADIO LINK.

- Base radio
- Repeater radio
- Batteries built removable
- Compatible with most market-based receivers
- Various transmission protocols supported
- Lightweight and small design
- Easy setup



APPLICATIONS



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SETTOPSURVEY, S.L.
Bofarull 14, 08027 Barcelona (Spain)
Phone: (+34) 93 700 44 66
www.settopsurvey.com info@settopsurvey.com

SETTOP

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Product Specifications:

MODEM SPECIFICATIONS	
Link Rate/Modulation	19,200 bps/4FSK
	9600 bps/4FSK
	19,200 bps/GMSK
	16000 bps/GMSK
	9600 bps/GMSK
	8000 bps/GMSK
	4800 bps/GMSK
Link Protocols	Transparent EOT/EOC, Packet-switched, Trimble®, SATEL®, OEM-specific
Forward Error Correction	Yes
RADIO SPECIFICATIONS	
Frequency Bands	390-430, 430-470 MHz
Frequency Control	Synthesized 12.5 kHz tuning resolution Frequency stability +/- 1 PPM
Channel Bandwidth	12.5 kHz and 25 kHz, software derived
RF Transmitter Output	0.0 Watt (RX-only) and 0.1 – 2 Watt (Programmable)
Sensitivity	-110 dBm BER 10-5
Type Certification	All models are type accepted and certified for operation in the U.S., Canada, and Europe
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature (Receiver)	-40° to +85° C (-40° to +185° F)
Operating Temperature (Transmitter)	-40° to +65° C (-40° to +149° F)
Storage Temperature	
(Receiver/Transmitter)	-55° to +85° C (-67° to +185° F)
Vibration Specification	MIL-STD-810F
ELECTRICAL SPECIFICATIONS	
External Power supply	12V DC to 18V DC
Batteries built removable	2x 7.4V 2400mAh Settop Battery
PORTS	
2 connectors:	
1 radio link port	RS232 configuration & data input
1 aux port	RS232 communication with Repeater attach with PC

Features

40 MHz bandwidth

390-430 and 430-470 MHz models
Advanced Data Link design for high performance over entire band.

High over-the-air link rate

19,200 bps (both GMSK and 4FSK)
Supports 1Hz RTK corrections for multi-GNSS receivers

Configurable transmit power

0.1 - 0.5 W for low power consumption
2.0 W for longer range

Software-Derived channel bandwidth

Compatible with both 12.5 and 25 kHz radios

Robust environmental capabilities

High vibration tolerance
Wide temperature specification