

# SETTOP RADIOLINK

TRIMTALK®  
TRANSPARENT  
SATEL®  
2W  
390-470MHZ

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

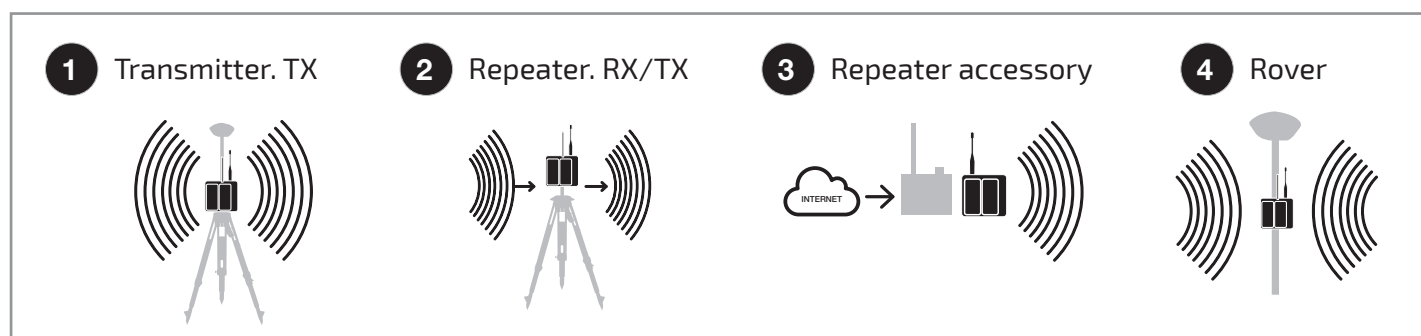
- Base radio
- Repeater radio
- Removable integrated batteries
- Compatible with most market-based receivers
- Various transmission protocols supported
- Lightweight and small design
- Easy setup



Settop Radiolink is a base and repeater radio (1W 390-470MHZ) solution for connections via radios. It supports various transmission protocols and it is compatible with most market based receivers, such as Settop Repeater.

Its lightweight design and reduced dimensions along with its easy set up and integrated removable batteries make it an ideal and easy-to-use radio solution.

## APPLICATIONS



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**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