

UHF / Bluetooth Bridge

Bridge Wide Area UHF GPS Correction Data with Local Area Bluetooth for Truly Wireless RTK

Transparently converting received UHF signals into streaming Bluetooth data, the UHF/Bluetooth Bridge from SATEL Survey USA takes wireless interoperability to a new extreme

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Built around SATELLINE M3 technology and crafted by SATEL Survey USA for universal compatibility with equipment from Sokkia, Topcon, Navcom, Leica, Pacific Crest, HemisphereGPS, Autofarm, John Deere, Arwest, Carlson, Trimble, Intuicom, Apple, Samsung, LG, Motorola, SATEL, and many others.***

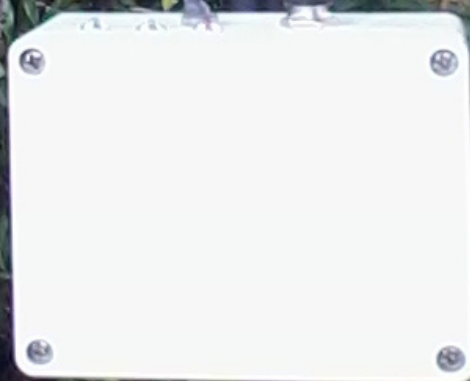
A full transceiver capable transporting data to and from multiple UHF and Bluetooth devices. Rapid deployment and instant connection reduces the time required for the first position fix.

Fully self-contained with built-in UHF and Bluetooth radios in a heavy duty ABS box, each package contains the UHF/Bluetooth Bridge, UHF antenna, programming cable, and charger for the internal battery.

The UHF/Bluetooth Bridge clamps on to any instrument pole or tripod up to 1½" wide. For added UHF range, a Base Station Antenna Package from SATEL Survey USA lifts the antenna up to 12 feet and features a higher gain antenna.

Contains:

- **UHF/Bluetooth Bridge**
- **Gainflex Antenna**
- **Battery Charger**
- **Programming Adapter**



Contents Detail

Specifications

Detail	UHF Interface	Bluetooth Interface
Frequency Range	407 - 473 MHz	2.4 - 2.4835 GHz
Channel Spacing/ Bandwidth	12.5kHz/ 20kHz/ 20kHz (Selectable)	1,600/sec, 1MHz Fixed
Transmitter Power	100, 200, 500, 1000 mW	Max. +18 dBm (Class 1)
Receiver Sensitivity	-114 dBm, @ 12.5 kHz, -111 dBm, @ 25 kHz, FEC ON	-86 dBm Typical
Modulation	4FSK, GMSK (Pacific Crest, TrimTalk)	GFSK-1 Mbps, DQPSK-2 Mbps, and 8-DPSK-3 Mbps
Range (Best Conditions)	<20 Kilometers	<100 Meters
Emission Type	F1D, Half Duplex	Bluetooth Specification, version 2.0+EDR Class 1
Data Transfer Speed (UHF)	19200 bps (25 kHz channel), 9600 bps (12.5 / 20 kHz channel)	
Data Delivery Speed (Bluetooth)	1 - 3 Mbps (Depending on Connection)	
Battery	1800 mAh, Lithium Polymer, Rechargeable	
Standards	EN 300 113 and CFR47 part90	

