

Solutions for the toughest challenges

Quality radio modems for wireless data communication



SATEL Compact-4BT

SATEL Compact-4BT is portable radio modem with wireless connectivity.

- UHF multichannel radio modem (tuning range up to 70 MHz)
- New model structure IP67 classified chassis with internal batteries, easy to carry, versatile mounting options
- Wireless modem configuration via Bluetooth (Android app)
- Wireless data transfer via Bluetooth (SPP)
- USB connections (serial data, modem configuration)
- Exceptional vibration tolerance; excellent choice for robust mobile use

SATEL Compact-4BT is compatible with SATELLINE-EASy products.

GNSS

SATEL's radio modems and modules offer a first-class solution for GNSS RTK, remote measurement and control applications. They are used e.g. in land surveying, precision farming, machine control, harbor logistics and port cranes.

SATEL

Mission-Critical Connectivity

Read more: www.satel.com

SATEL is one of the world's leading experts and innovators of radio modems for wireless data communication. Our solutions are used in wide range of industrial applications. We are known for our high quality, expertise, service and support.

You can contact us directly or get in touch with your local distributor.

For heavy-duty outdoor use

SATEL Compact-4BT is an IP67 (NEMA 6) classified UHF radio modem with integrated battery, Bluetooth, wide tuning range and selectable channel spacing. It is designed for easy mobile use in demanding field conditions. IP67 ensures it is waterproof and secured against dust.



SATEL Compact-4BT

TECHNICAL SPECIFICATION

Frequency	403 ... 473 MHz	
Channel Width	12.5 / 25 kHz (Software selectable)	
Carrier Power	0.1, 0.2, 0.5, 1 W / 50 ohm	
Interface	RS-232 / USB	
USB	USB to serial interface	
Bluetooth	BT2.1 + EDR and BLE 4.1 wireless connectivity	
Data Speed of Serial Interface	9600 – 115200 bps	
Data Speed of Radio Interface	28800 bps (25 kHz)	
Modulation	4FSK, 8FSK, 16FSK, GMSK (PacificCrest, TRIMTALK*)	
Battery	3350 mAh Li-ion	
Operational Time (estimated)	6 hours	@ TX 1 W (50 %)
	8 hours	@ TX 0.5 W (50 %)
	20 hours	@ RX only
Charging Time	4 hours	@ 2A (estimated)

GENERAL

Operating Voltage	+12 ... +30 Vdc	
Power consumption 12 Vdc	Charging	7.4 W
	Charging + RX	8.4 W
	Charging + TX	13.2 W @ 1 W RF
	Device OFF	0.46 W
	RX	1.32 W
	TX	5.8 W @ 1 W RF
DC charger	+12 Vdc	
Chassis	IP67 class	
Buttons	Power ON / OFF Bluetooth ON / OFF	
Indicator LEDs	Power, Bluetooth, TX / RX data	
Temperature Range	-25 °C ... +60 °C (functional) -40 °C ... +85 °C (storage)	
Size H x W x D	165 x 55 x 55 mm	
Weight	420 g	
Connectors	M12 circular / TNC female	

Values are subject to change without a notice.

* TRIMTALK is a trademark of Trimble Navigation Ltd.