

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 and iOS apps)
- Wireless data transfer via Bluetooth (SPP)
- USB connections (serial data, modem configuration)

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	7200 mAh
Operational Time	TX 1 W (50 %) 6 h (estimated) RX only 19 h (estimated)
Charging Time	@ 2A 4.1 h (estimated) @ 1A 8.3 h (estimated)

GENERAL

Operating Voltage	+9 ... +30 Vdc (estimated)
DC charger	+12 Vdc
Chassis	IP67 class
Buttons	Power On / OFF Bluetooth ON / OFF
Indicator LEDs	Power, Bluetooth, TX / RX data
Temperature Range	-20 °C ... +60 °C (functional) -40 °C ... +85 °C (storage)
Size H x W x D	163 x 49 x 49 mm
Weight	400 g

Values are subject to change without a notice.

* TRIMTALK is a trademark of Trimble Navigation Ltd.



SARTELCO® SISTEMI SRL

Via Torri Bianche, 1
20871 Vimercate (MB)

Tel. +39- 039- 62905.1 Fax. +39- 039- 62905.99
e-mail sistemi@sartelco.it Web www.sartelco.it

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