



Bittel Device

Bittel

All-in-one SATCOM C4I - Multi-Purpose

Bittel is a portable, high-performance two-way L-Band satellite communicator. Built for on-the-go operation, it ensures reliable connectivity beyond the line-of-sight range of cellular and LMR networks.

In both rural and urban environments, land, sea or air, Bittel delivers exceptional communication capabilities - without requiring a clear sky or direct line of sight to the satellite.

Leveraging global GEO satellites coverage, Bittel provides users worldwide with a real-time, essential connectivity solution - compact, flexible, and ready to be carried or mounted anywhere, anytime, even in the harshest conditions.

Bittel is available in a handheld version (carried-on) and mobile version (mounted). Powered by Commcrete's advanced narrowband core technology, Bittel functions as a standalone communication device within a tactical network.

It can also be integrated as a chip-set into various systems, supporting a wide range of applications across both tactical and global networks, ensuring seamless and reliable connectivity everywhere.

Bittel Features

Global GEO Satellites

Two-way communication

Emergency SOS

GPS (Blue Force Tracking)

User interface by mobile app

Wireless connectivity by Bluetooth

Bittel supports multiple use cases, functioning either as a standalone device or as an integrated chipset:

Communicator for travelers

Automotive & Mobility

Drones & UAV's

Sensors & Monitoring

Bittel Specifications

Battery Type	Rechargeable, built-in lithium-ion battery
Battery Life	6-24 hours *(depends on device settings)
IP Rating	IP67
RF Output (PTT)	2 Watts
Operating temperature range	-20° to 60°C (-4° to 140°F)
Charging temperature range	6-24 hours
Physical	0° to 45°C (32° to 113°F)
Wireless Interface	99mmx60mmx20mm, 200 grams
Wireless Interface	Bluetooth (ver 4.2)
Wire Interface (DC Power + Comm)	USB Type C

Bittel Features

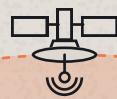
			
Global Inmarsat® Satellites	Two-way text messaging	Emergency SOS	GPS (Blue Force Tracking)
			
Pairs with mobile devices	User interface by mobile app	Wireless connectivity by Bluetooth	

Bittel supports multiple use cases, functioning either as a standalone device or as an integrated chipset for seamless connectivity:

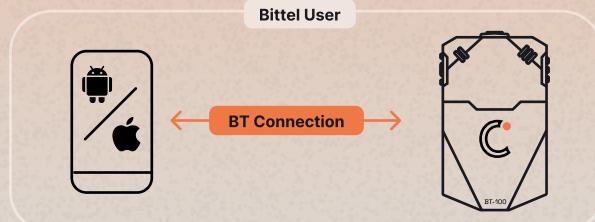
			
Military & Civil	Automotive & Mobility	Drones & UAV's	Sensors & Monitoring

Connectivity Options

Bittel Tactical Network



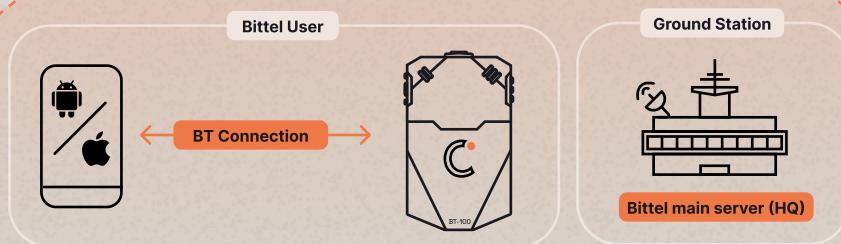
L-BAND communication



Bittel Global Network



L-BAND communication



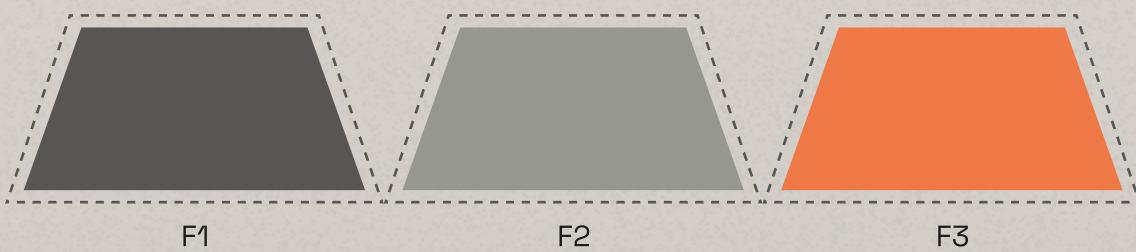
Channel Bandwidth

Satellite Channel: 25kHz

Stardust

Stardust

Stardust



Contact us

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<https://commcrete.com>