

Bittel

A Compact Two-Way L- Band Communicator



Bittel 3.0

Bittel is a compact, high-performance two-way L-Band satellite communicator. Designed for portability, it ensures reliable connectivity beyond the line-of-sight range of cellular and LMR networks.

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

Leveraging Inmarsat's global GEO satellite 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.

Powered by advanced narrowband core technology, Bittel functions as a standalone communication device within a tactical network. It can also be integrated as a chipset into various systems, supporting a wide range of applications across both tactical and global networks, ensuring seamless and reliable connectivity everywhere.

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

Bittel Tactical Network



L-BAND communication

Bittel User



BT Connection

Bittel Global Network



L-BAND communication

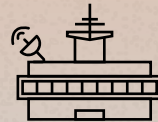
Bittel User



BT Connection



Ground Station



Bittel main server (HQ)



Contact us

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