

SideBridge-RAP – Black Side

SBRAP-BW-B05



General Description

The SideBridge-RAP Black Side fits directly onto the black side connector (J6) of the PRC-117G radio. This version of the SideBridge-RAP provides wireless communication of unclassified data from the black side of the radio. The black RAP can be used to simplify Beyond Line of Sight (BLOS) communications through a WiFi connection to Satcom terminal. Black data traffic may be relayed through a server to eliminate the complexity of IP addressing for seamless switching between Line of Sight (LOS) and BLOS communications.

The SideBridge-RAP is an ideal complement to the PRC-117G for BLOS communication. Users can quickly extend communication from the tactical squad to the command center and beyond. The RAP module is a slim, rugged metal enclosure with status LED's and a waterproof USB connector.

SideBridge-RAP Black Side (SBRAP-BW-B05)



SideBridge-RAP Features and Benefits

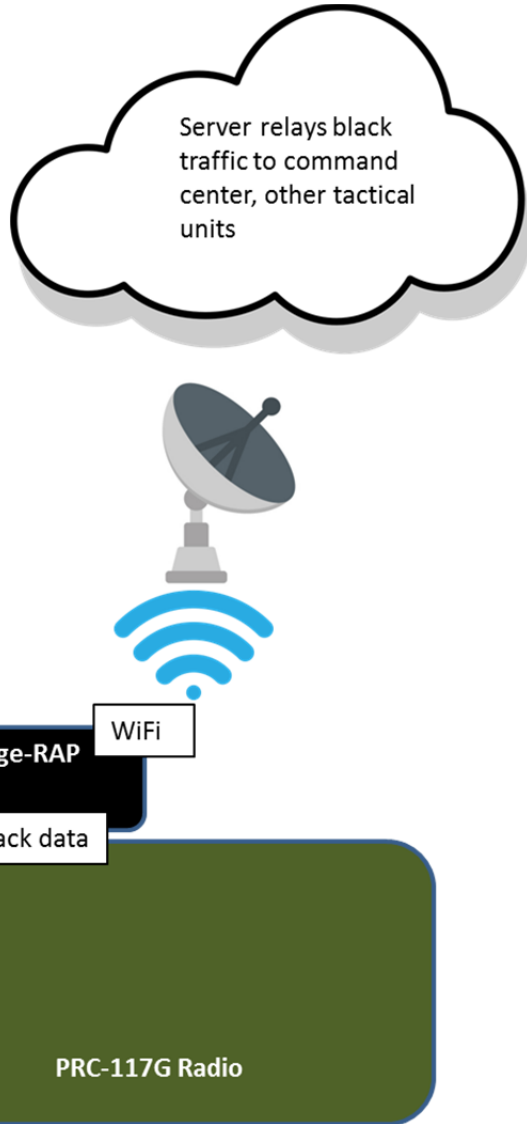
- Wireless (Bluetooth/WiFi) connectivity of black-side data to Satcom terminal or other devices.
- Connects directly to the PRC-117G black side (J6) connector with power and Ethernet interface.
- Simplifies BLOS communication through wireless connection to a Satcom terminal (and server with data relay software).
- Easily switch from LOS to BLOS communication.
- Rugged, waterproof enclosure with status LED's, mute switch and USB port.
- Non-cryptographic device

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SideBridge-RAP Black BLOS Diagram



SideBridge-RAP Black Specifications

Wireless Standard	WiFi IEEE 802.111 ac/a/b/g/n Bluetooth v4.2 and LE* *Operates on Bluetooth classic
Frequency Range	2.4 GHz (WiFi) 2.40-2.48 GHz (Bluetooth)
Maximum Data Rate	Up to 65 Mbps (WiFi) Up to 1.2 Mbps (Bluetooth)
Communication Range	30 meters
Radio Connection	Ethernet, Input Power (J6)
USB Port	Glenair 807-216-07ZNU6-6DY
LED's	Indicates status, control
Switch	Mute switch
Power Consumption	<1 Watt, typical
Weight	170 grams
Size	58mm x 77mm x 24mm
Operating Temperature	-40°C to +85°C
Shock and Vibration	2 meter drop
Water/Dust Protection	IP68

For more information about SideBridge and DataSoft see: www.datasoft.com

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