

Radio Gateway Switch



SKU# CBL-RGS-HAR

Universal Break Out Box

APPLICATION:

The Radio Gateway Switch (RGS) provides the cross connection of two radios to create a Relay/Cross Patch capability between two radios without doing any special setup or modifications.

The RGS is designed to enable commanders, operators and signallers to Cross-Patch various makes and models of communication radios in a quick and effective way.

The Traffic passed on is demodulated baseband audio which means two networks which are not interoperable can be linked while remaining in their respective in COMSEC and TRANSEC modes.

ADVANTAGES OF RGS:

The RGS includes signal conditioning and flexible cross-connect control which is more advanced than the standard Sat-Com Re-Bro and Repeater Harnesses as used between Sat-Com Radio equipment where the control and set-up of the radios cater for successful cross connection.

The RGS is capable of facilitating that function when radios are used when such settings are not known or available.

OPERATION:

The RGS will relay the Base Band Audio (Traffic) from receiving radio across to the transmitting radio whilst facilitating Audio Level conditioning.

The Gateway can be set up for **A > B**, **A < B**, **A <> B** or **Isolated** (No Cross Patch) at any time.

The PTT can be deducted from **Squelch break** (COR) or **VOX** (Voice-Operated-Exchange) to ensure the transmitting radio is keyed (PTT) irrespective of available signals.

LED's indication RX Signal Squelch and TX Radio PTT ensure the RGS is set up for proper operation and the operator can quickly verify and trust the set-up.

The RGS also provide user operation at the RGS to monitor on hand/headset and transmit on either Radio 1, Radio 2 or both Radios or Isolating while setting up, monitoring or during radio communication checks without having to disconnect the RGS.

Connection cables for each radio model/brand can be provided and the user simply has to plug in, set up levels and squelch options before it is fully functional.



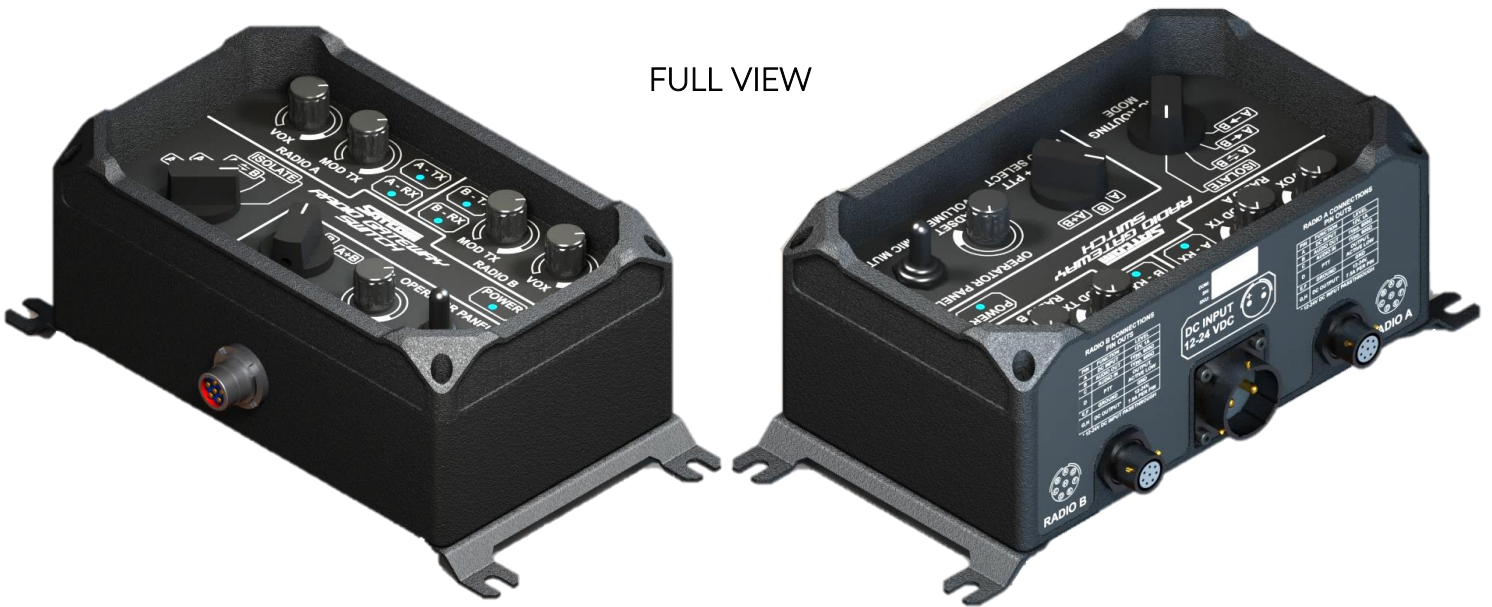
FUNCTION	VALUE
DC input RGS + Radios:	12-24Vdc 30A
DC Input for RGS:	12-24 Vdc 1A
Audio Standard:	1Vp-p / 600Ω
PTT Out Level:	Active Low
DC Output to Radios:	12-24VDC 15A
Hand/headset Impedances:	150-600Ω
Hand/Headset PTT:	Active Low
Cables Supplied:	DC, Radio A / B
ORDER INFO:	SKU# CBL-RGS-HAR



TOP VIEW



FULL VIEW



REAR VIEW

