Radio Antenna Switch – 3 Way

APPLICATION:

The 3Way Radio Antenna RF Switch (#RAS-3W-B1) is designed to add to standalone Sat-Com Multi-band man-pack radios where normally 2 to 3 separate band specific antennas are required to cover the full band. The RAS is controlled from the radio control head to automatically select the appropriate antenna.

ADVANTAGES OF RAS:

Suitable high gain, highly efficient band specific Base or Mobile antennas can be connected to the RAS-3W-B1 at elevated heights to extend coverage without the hassle of user to disconnect and reconnect when channels are changed from HF to VHF, to UHF etc. The RAS automatically connected to the radio in correct operational bands at al times.

OPERATION:

The RAS-3W-B1 is simply plugged into the radio AUX plug and then the required antennas are connected to the correct antenna ports.

The following bands can be connected to the indicated RF-Connectors.
1) HF 1.6-30Mhz
2) VHF-L 30.1 – 88Mhz
3) VHF-H / UHF 88.1-512Mhz
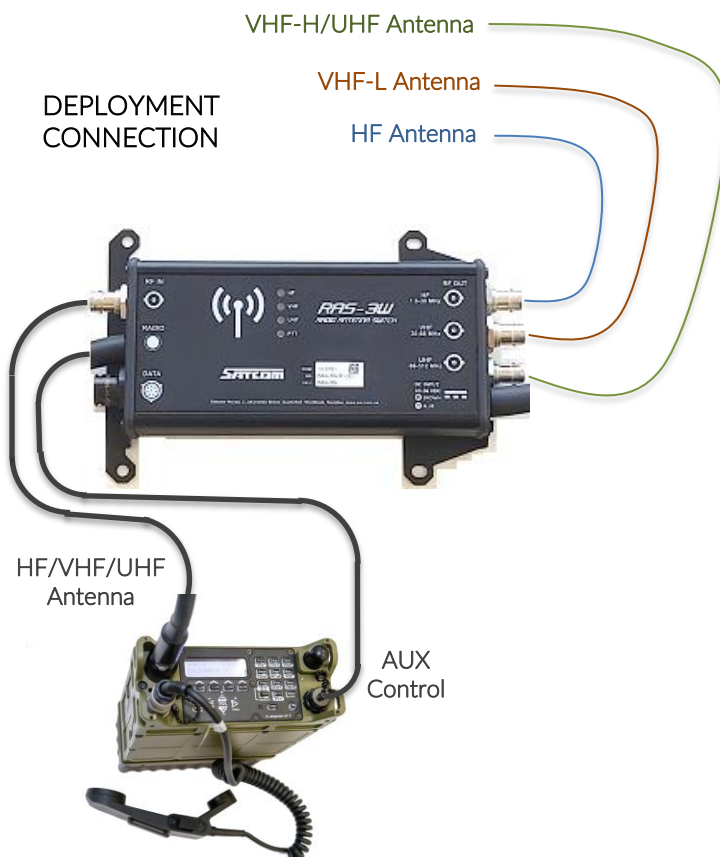
POWER SUPPLY

DC power is ether from Radio Battery via AUX plug, or from external on a separate cable which will also charge the radio battery.

SETUP:

No setting is required on the radios when Check AUTO on radio is set which enable radio to automatically discover the (#RAS-3W-B1 upon boot up. The user simply navigates through the channels and be assured; the right antenna will always be instantaneously connected for communications

LED INDICATION:

The LED's indicates which antenna is connected and an active PTT is also indicated on a LED.

DEPLOYMENT CONNECTION

VHF-H/UHF Antenna
VHF-L Antenna
HF Antenna

HF/VHF/UHF Antenna

AUX Control

FUNCTION	VALUE
Deployment:	Multiband Radios
Function:	Automatic 3 Way RF switch.
HF:	1.6-30 Mhz
VHF-L:	30.1 – 88 Mhz
VHF-H, UHF / GTA:	88.1-512 Mhz
Power Rating:	100W CW
Control:	Serial RS232 Command
Control Connector:	Fisher Aux Connector
RF In Connector:	BNC-F
RF Out Connectors:	BNC-F
Data Pass Through:	YES, 62-5005-10-8s
Power Supply:	Aux Plug Radio Ext out12V
	External Battery 10-36Vdc
Weight:	<1kg
Dimensions:	200 x 90 x 36 mm
Control Cable length:	900mm
Intrinsic Safe:	YES
Environmental Standard:	MIL-STD-810G
IP Rating:	67
Document:	Operation Guide
ODER INFO:	SKU# RAS-3W-B1