RADIO ANTENNA SWITCH

3 WAY

SKU#RAS-3W-B1

OVERVIEW

The 3Way Radio Antenna RF Switch (#RAS-3W-B1) is designed to add to standalone Sat-Com Manpack radios where 2 to 3 separate band specific antennas are installed to cover the required bands by automatically selecting the appropriate antenna automatically. Suitable efficient band specific Base or mobile antennas can be connected to the RAS-3W-B1 at elevated height for better coverage.

*The **RAS-3W-B1** is not required when Afracal Power Amplifiers are added since the automatic antenna selection is then facilitated by the amplifier's built in antenna switch.*

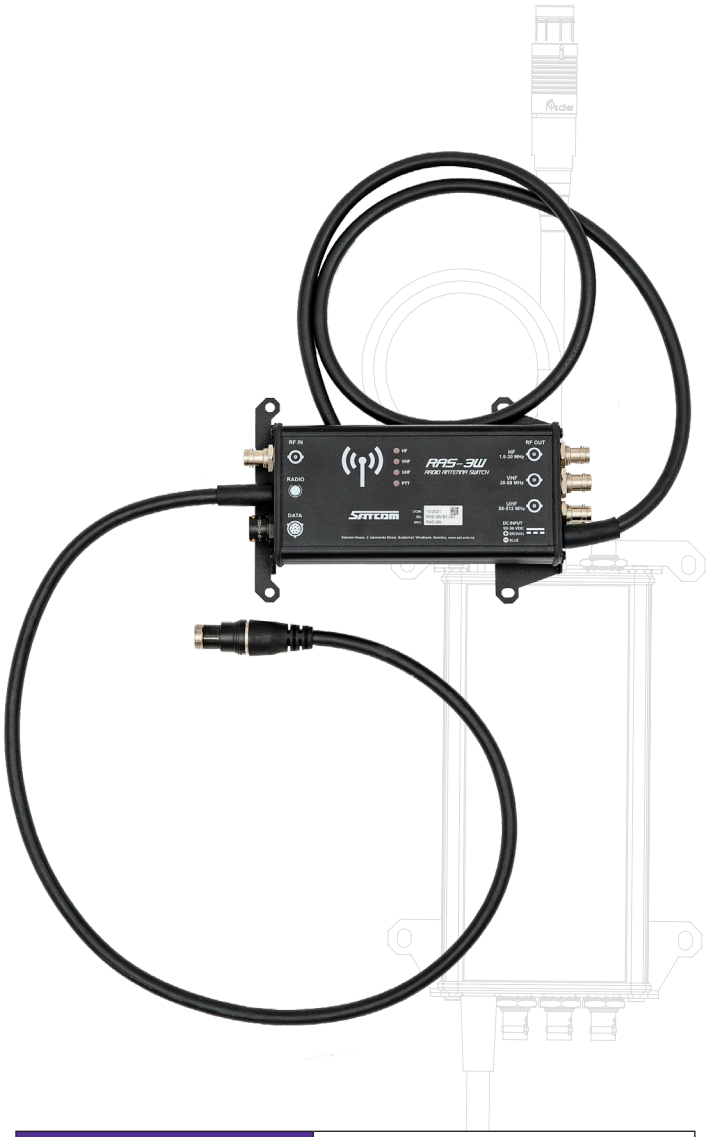
The **RAS-3W-B1** is simply plugged into the radio AUX plug and three antennas in the following bands can be connected to the indicated RF-Connectors.

1) HF 1.6-30Mhz
2) VHF-L 30.1 – 88Mhz
3) VHF-H / UHF 88.1-512Mhz

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

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.

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



Deployment	With Multiband Radios
Function	3 Way RF switch
Frequency range:	1.6-30 (HF) 30.1 – 88 (VHF-L) 88.1-512 (VHF-H – UHF)
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:	YES
MIL-STD:	MIL-STD-810G
IP Rating:	67
Document	Operation Guide

Management System ISO 9001:2015
TÜVRheinland CERTIFIED
www.tuv.com ID 9105069229

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