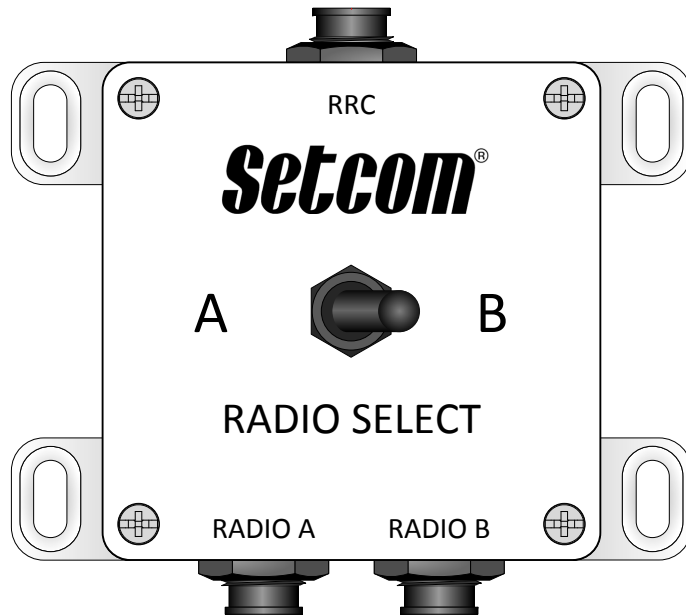


# RRC-950

## INSTALLATION AND USERS GUIDE



*Questions or technical issues? Please call:*

**TECH SUPPORT: 650-965-8020 ext. 703**

**Setcom**<sup>®</sup>  
CORPORATION

3019 Alvin DeVane Blvd.  
Ste. 560  
Austin, TX 78741  
Phone: (650) 965-8020

The RRC-950 is a Radio Routing Controller allowing two radios to be connected to any of the following Setcom products:

- IM-950
- IM-950W4
- IM-977
- IM-977W4
- MS-900SP
- MS-900SPW4

The function of the unit is to allow switching between two radios, controlling the Mic signal (transmit audio), PTT signal (push-to-talk), and Received audio signal (speaker outputs).

A unique feature is that the RRC-950 can be set to allow switching of the Received audio, so that only the selected radio is heard, or “summing” the audio so that both radios can be heard, independent of the toggle switch position.

The RRC-950 allows for full independent control of the Mic signal levels (to allow differing radio types), and allows balancing of the Receive audio levels as needed.

The RRC-950 requires no DC Power connection, it obtains power from the “Host” unit, making for a simpler, more convenient installation.

A variety of available cable lengths allows the RRC-950 to be placed where most convenient in an installation, it does not need to be located near the radios or the Setcom product to which it is connected.

# RRC-950 Typical Installation

When two radios are required in a 950 series system, the RRC-950 is installed and connected as shown here.

The 25-0108-xx cable can be obtained in various lengths to suit installation requirements.

The RC and RCB cables are also available in a variety of lengths.

Note that the RRC-950 does not require a DC power connection, it is powered by the "Host" unit to which it is connected.

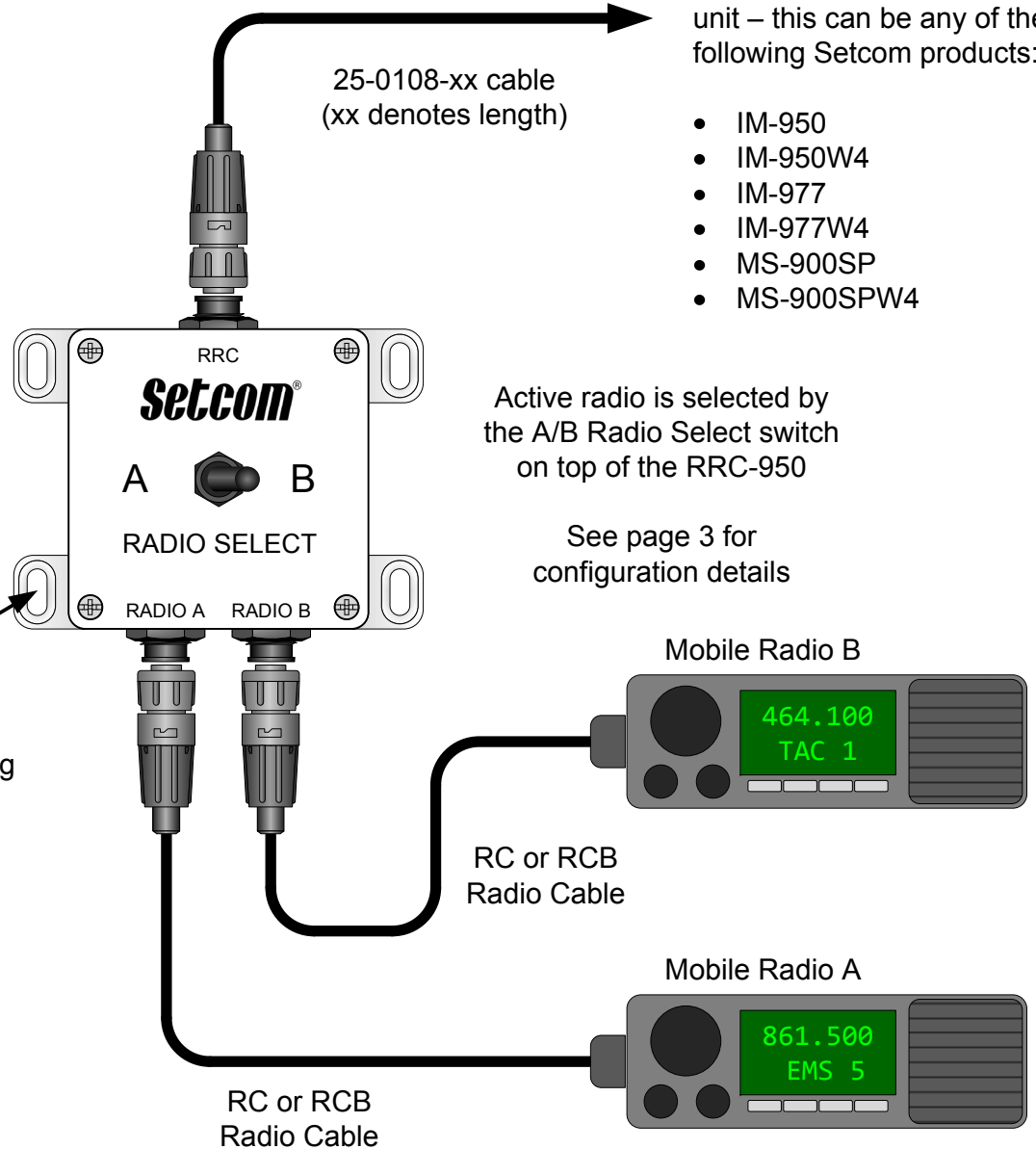
Mount the RRC-950 using the 4 mounting holes on the enclosure flanges. Mounting screws supplied by user.

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Cable connects to "HOST" unit – this can be any of the following Setcom products:

- IM-950
- IM-950W4
- IM-977
- IM-977W4
- MS-900SP
- MS-900SPW4

Active radio is selected by the A/B Radio Select switch on top of the RRC-950

See page 3 for configuration details

Radio Cable part number is determined by radio manufacturer, model number, and length of cable

# RRC-950 Controls and Adjustments

## Transmit Audio Level:

Transmit Audio Levels are normally preset at the factory when the unit is ordered. If levels need to be changed, adjust rotary switches SW1 (Radio A) and SW2 (Radio B) to set Transmit Audio level:  
 0 = maximum level, F = minimum level.

## Receive Audio Level:

Radio receive volume in the headsets is usually set by the volume controls on the radios, and an adjustment can be made in the "Host" unit to which the RRC-950 is connected to further optimize volume.

The adjustments in the RRC-950 allow for adjustment of the radio receive levels relative to each other (for example, balancing the levels to be equal in volume, if needed).

RX A Level VR1 sets the volume for Radio A and RX B Level VR2 sets the volume for Radio B.

## Jumper J1 – SUM/SWCH select:

The RRC-950 is usually shipped with Jumper J1 in the SUMMED position – the allows hearing receive audio from both radios at the same time regardless of the toggle switch position.

If it is preferred to have the receive audio selected with the toggle switch position (only the selected radio is heard for each position) then move the shorting jumper from the SUM position to the SWCH position.

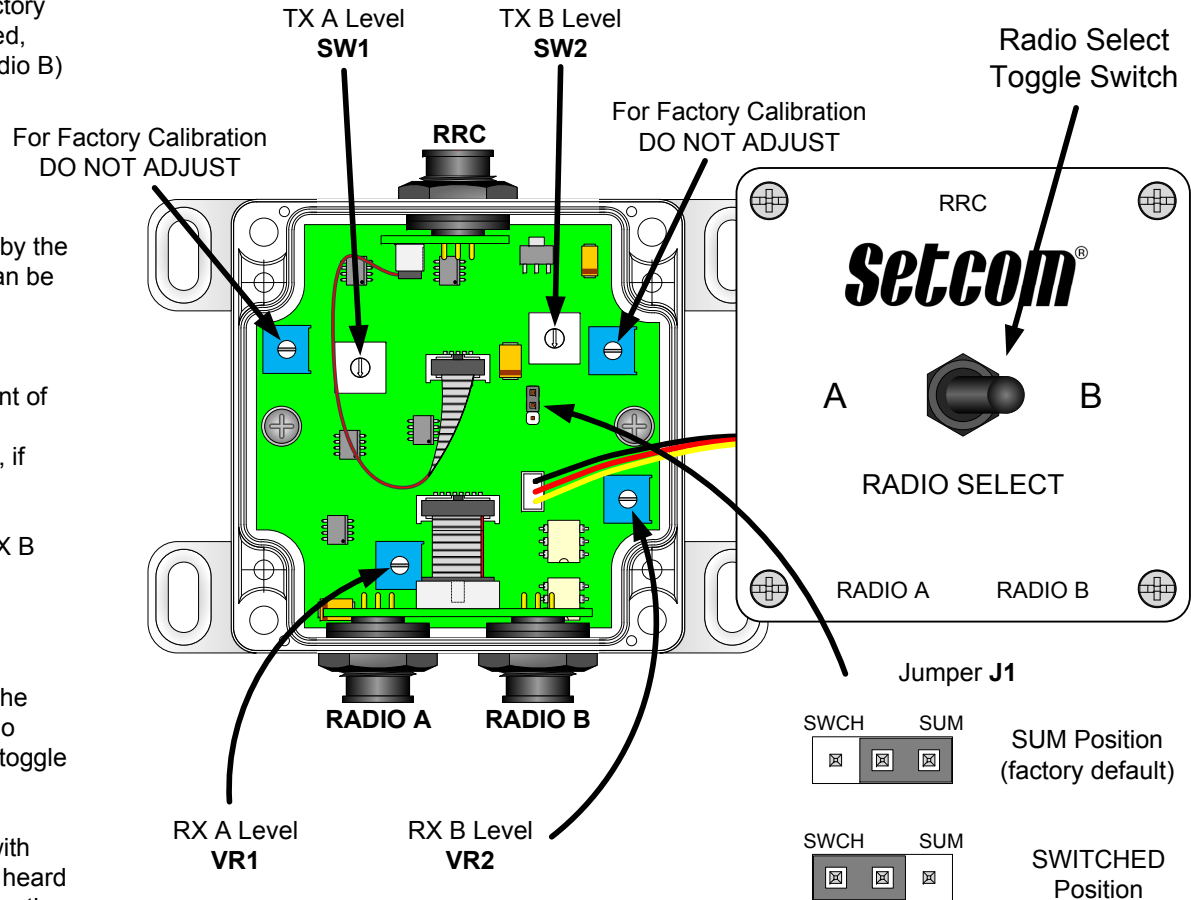
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RRC-950 shown with top cover removed:  
 (remove and replace cover carefully – take care not to damage the wires connecting to the toggle switch mounted on the top cover)



TX Audio levels are normally factory-preset to the correct level for the radio types specified when the RRC-950 is ordered with a system.

If a different TX level is required the TX LEVEL switches can be set from 0 (highest) to F (lowest) to accommodate various radios.  
 Call Setcom Tech Support for assistance if needed.