FEATURES

1. JR1 REMOTE: Locking XLR and ¼” combo jack used to connect a remote switch. Use with footswitches, MIDI contact closures or the Radial JR1.

2. REMOTE LINK: Used to link the switching of additional Relay Xo units. Allows stereo and multi-channel switching systems.

3. MIC/LINE INPUT: Balanced XLR input. The Relay Xo signal path is 100% passive. Audio signals will pass through unchanged without added noise or distortion.

4. OUTPUT-B: Alternate balanced XLR output. This output is active when the select switch is pressed inward or when a remote switch is closed. The B LED illuminates when the output is active.

5. OUTPUT-A: Main balanced XLR output. This output is active when the switch is in the outward position or when a remote switch is open. The A LED illuminates when the output is active.

6. CABLE CLAMP: Prevents accidental power disconnection by locking down the AC adapter cable.

7. POWER JACK: Connection for the included 15 volt (400mA) AC power adapter

8. FULL-BOTTOM NO-SLIP PAD: This provides electrical isolation and plenty of ‘stay-put’ friction to keep the Relay Xo in one place.

9. OUTPUT SELECT: This switch toggles the Relay Xo’s outputs. Two LED indicators display which output is active.

10. GROUND LIFT: Disconnects pin-1 (ground) on the input XLR jack to help reduce hum and buzz caused by ground loops.

Relay Xo specifications

Audio circuit type: Passive balanced A/B switcher
Switch: Electronically controlled relay
XLR input and outputs: AES standard; pin-1 ground, pin-2 (+), pin-3 (-)
Ground lift: Lifts pin-1 on the XLR input
Power: 15V/400mA, 120V/240 power adapter included

Wiring diagram for custom JR1 REMOTE switch

RADIAL ENGINEERING 3 YEAR TRANSFERABLE LIMITED WARRANTY

RADIAL ENGINEERING LTD. (‘Radial’) warrants this product to be free from defects in material and workmanship and will remedy any such defects free of charge according to the terms of this warranty. Radial will repair or replace (at its option) any defective component(s) of this product (excluding finish and wear and tear on components under normal use) for a period of three (3) years from the original date of purchase. In the event that a particular product is no longer available, Radial reserves the right to replace the product with a similar product of equal or greater value. In the unlikely event that a defect is uncovered, please call 604-942-1001 or email service@radialeng.com to obtain an RA number (Return Authorization number) before the 3 year warranty period expires. The product must be returned prepaid in the original shipping container (or equivalent) to Radial or to an authorized Radial repair center and you must assume the risk of loss or damage. A copy of the original invoice showing date of purchase and the dealer name must accompany any request for work to be performed under this limited and transferable warranty. This warranty shall not apply if the product has been damaged due to abuse, misuse, misapplication or accident or as a result of service or modification by any other than an authorized Radial repair center.

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Thank you for purchasing the Radial Relay Xo, a simple yet effective switching device designed to toggle a microphone or other balanced audio signal between two channels on a PA system. As with all products, getting to know the feature set is essential if you intend to get the most out of the Relay.

Please take a minute to read through this short manual. If you are left with unanswered questions, feel free to send us an email at info@radialeng.com and we will do our best to reply in short order. Now get ready to remotely switch to your heart’s content!

The Relay is basically a 1-in, 2-out straight-wire switcher for balanced audio. There is no transformer or buffering circuitry in between the input and outputs. This means the Relay Xo can not introduce distortion or noise into the source signal and allows it to be used with mic or line level sources. A link feature allows multiple Relay Xo units to be combined and switch stereo or multichannel audio systems. Switching can be done on the Relay Xo, via remote footswitch or by MIDI contact closure.

For remote switching, please refer to the diagram above.

Before making any connections, make sure volume levels are turned off or down. There is no power switch on the Relay. Simply plug in the included 15 VDC supply to prevent accidental disconnection.

Transients that could harm more sensitive components like tweeters. There is no transformer or buffering circuitry in between the input and outputs. The Relay is basically a 1-in, 2-out straight-wire switcher for balanced audio.

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