

Order No. R800 1402



The Radial JDX-48 is guitar amp direct box that captures the sound of the head and the reactive load from the loudspeaker and then processes the signal through a series of filters to produce a consistent sound at the balanced output. This eliminates the need to have an open mic on stage which in turn eliminates problems such as contamination from other instruments, variables due to room acoustics and inconsistencies due to mic placement. The 'next generation JDX-48' can be powered using 48 volt phantom from the console or by the included power supply. New features include additional power handling and low frequency extension for 5 and 6 string bass.

**! THE JDX-48 IS NOT A LOAD BOX. SPEAKER LOAD MUST BE CONNECTED.**

**Features**

- Reactive load for natural feel
- Multi-stage filter to emulate 4x12 cabinet
- Isolated signal path eliminates noise
- High output capability for big amps

**Benefits**

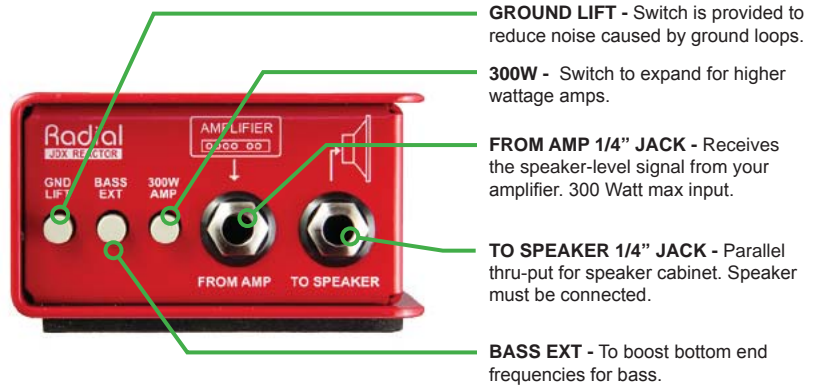
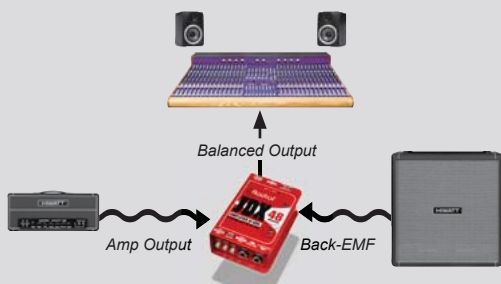
- Eliminates need for microphone
- Delivers consistent sound every show
- Speeds set-up and sound checks
- Works on guitar or bass

**Cool bits**

- Tone does not change every night
- Particularly effective with in-ear monitors
- Works great for recording in the studio
- No longer needs AC power connection

**Reactive Load: What is it?**

The JDX-48 captures the natural sound of your amplifier and speaker cabinet by tapping into the various electrical phenomena that dictate how a particular amplifier and loudspeaker sound. The JDX-48 uses a reactive load circuit that tracks the amps and speakers' constantly changing relationship between impedance, back-EMF, and damping. This is what makes the JDX-48 unique when compared to the load box approach. (A load box merely burns-off excess energy as heat and completely ignores the amp and loudspeaker interaction.) By capturing the reactive effect between the amp and loudspeaker the JDX-48 comes closer to the original tone than any other interface.



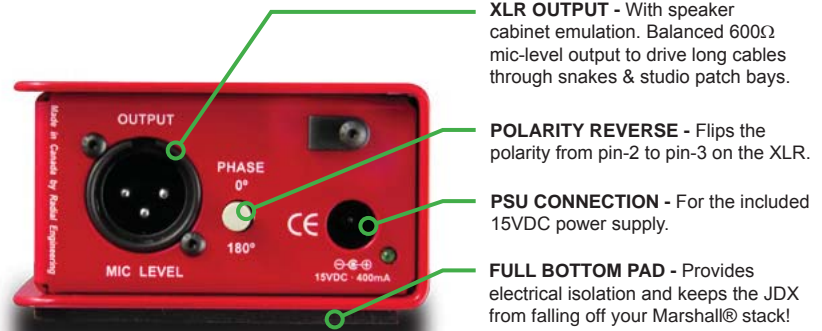
**GROUND LIFT** - Switch is provided to reduce noise caused by ground loops.

**300W** - Switch to expand for higher wattage amps.

**FROM AMP 1/4\"** JACK - Receives the speaker-level signal from your amplifier. 300 Watt max input.

**TO SPEAKER 1/4\"** JACK - Parallel thru-put for speaker cabinet. Speaker must be connected.

**BASS EXT** - To boost bottom end frequencies for bass.

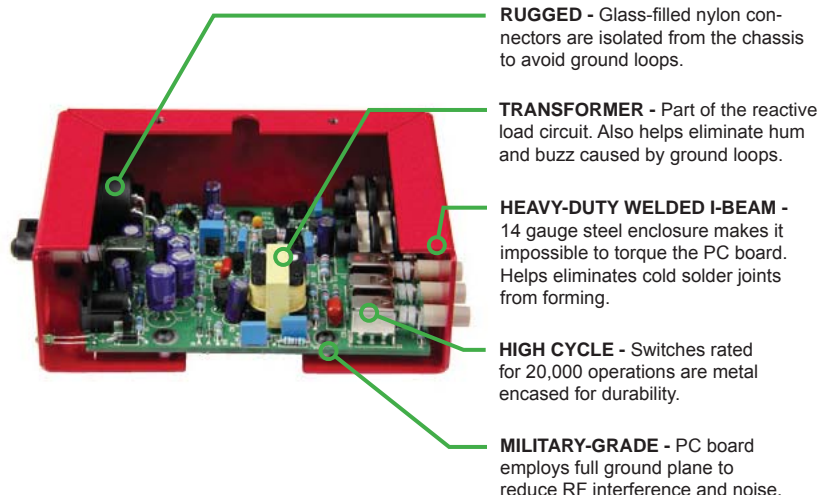


**XLR OUTPUT** - With speaker cabinet emulation. Balanced 600Ω mic-level output to drive long cables through snakes & studio patch bays.

**POLARITY REVERSE** - Flips the polarity from pin-2 to pin-3 on the XLR.

**PSU CONNECTION** - For the included 15VDC power supply.

**FULL BOTTOM PAD** - Provides electrical isolation and keeps the JDX from falling off your Marshall® stack!



**RUGGED** - Glass-filled nylon connectors are isolated from the chassis to avoid ground loops.

**TRANSFORMER** - Part of the reactive load circuit. Also helps eliminate hum and buzz caused by ground loops.

**HEAVY-DUTY WELDED I-BEAM** - 14 gauge steel enclosure makes it impossible to torque the PC board. Helps eliminates cold solder joints from forming.

**HIGH CYCLE** - Switches rated for 20,000 operations are metal encased for durability.

**MILITARY-GRADE** - PC board employs full ground plane to reduce RF interference and noise.