

J48 Order No. R800 3001 00



The Radial J48™ is the world's finest active direct box. It has been optimized to handle extreme transients while maintaining the integrity of the audio signal to allow the natural tone of the instrument to shine through, both on stage and in the recording studio.

Most battery-powered guitars and basses will produce as much as 7 Volts when played at maximum volume, which can easily overload typical active direct boxes which are only able to handle about 3 Volts. Exceeding the maximum voltage for a DI creates all types of distortion: bass sounds thin and lacks punch, guitars sound scratchy and tend to have sporadic peaks, and they lose their natural body resonance.

The J48 features a unique switching power supply that steps up the internal rail voltage to an amazing 9 Volts, resulting in improved signal handling and greater headroom. This extra headroom significantly reduces harmonic, phase, and inter-modulation distortion, and has resulted in the J48 finding a home with countless pro touring acts and recording studios around the world.

**Features**

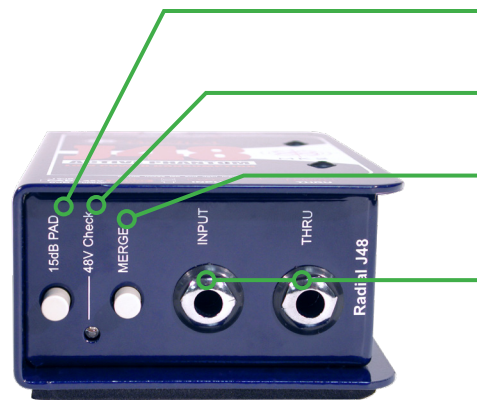
- Exceptional headroom and dynamic range
- Linear frequency response extends well beyond 20kHz
- Merge switch sums stereo instruments to mono
- Low-cut filter, -15dB input pad, and polarity reverse

**Applications**

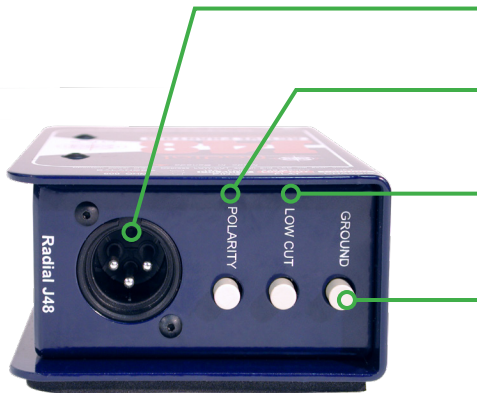
- Retains the natural tone of your instrument
- Ideal for basses and active acoustic guitars
- Great for keyboards and drum modules
- Ideally suited for live stages and recording studios

**Cool stuff**

- Huge 9 Volt internal rail voltage for extra headroom
- Handles loud transients without distortion or clipping
- Powered by 48V phantom, no batteries required
- 3 year transferable warranty



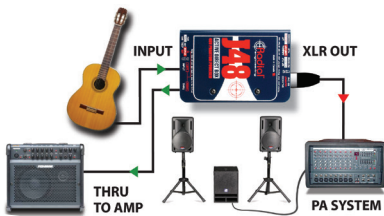
- 15dB PAD reduces input sensitivity for active basses and high output keyboards.
- MOMENTARY LED will flash once when the Low Cut is engaged to indicate that phantom power is present.
- MERGE FUNCTION turns the input and thru jacks into a passive mixer to sum stereo signals to mono and save valuable inputs on the mixer.
- INPUT connects to the instrument, THRU feeds the amplifier. High input impedance reduces loading.



- XLR OUT balanced, mic-level output used to feed a mixer or a mic preamp.
- POLARITY reverses pins 2 and 3 at the XLR output to correct the phase on old gear and reduce feedback on stage.
- 80HZ LOW-CUT (high-pass) filter gently reduces excessive bass to clean up the bottom end and reduce resonant feedback.
- GROUND-LIFT disconnects the internal ground path between the input and the output to help eliminate hum and buzz caused by ground loops.

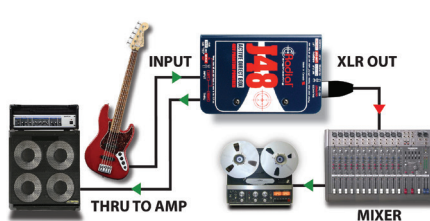
**Using the J48 for Live Touring**

A direct box is primarily used to get an instrument signal from the stage to the mixing desk and PA system. The Radial J48 delivers the natural tone of your instrument over exceptionally long distances without adding distortion or coloring the sound in any way.



**Using the J48 in the Studio**

When recording direct, the quality of the direct box is critical to ensure the purest signal going to the recorded track. The J48 is particularly well suited for recording bass or capturing a direct signal from a guitar.



**Reamping with the J48**

Reamping means sending a dry track from the recorder back out to pedals and amps. This trick has been used for years by top studio professionals. The J48 is the perfect tool to capture the sound of your instrument for later Reamping.

