

Order No. R800 1028



Patent No. 6,005,950

The Radial X-Amp is an active re-amp that allows a track from a multi-track recorder to be played through a guitar amplifier(s) and re-recorded. Players and engineers can experiment with different combinations of amps and effect pedals long after the original performance has been recorded to build the thickest and chunkiest guitar tracks.

The X-Amp handles level and impedance conversion with an active Class-A circuit which reproduces all the tones and inflections of the original performance. X-Amp drives guitar amps as if the player was still plugged into it! X-Amp accepts a balanced +4dB line-level signal and outputs two unbalanced instrument level signals that can connect to effect pedals and amps. To prevent ground loops between the recorder and the amps, the input features a ground lift. X-Amp allows simultaneous use of two amps. The second amp output is buffered to prevent signal loss, transformer-isolated to eliminate hum caused by ground loops and features a polarity reverse to align out-of-phase amps. The output level control and clip LED aid in setting levels quickly and saves you many trips back and forth between the mixer and amps. Finally, the X-Amp is packaged in an innovative and tough 14 gauge steel welded I-beam enclosure that makes it impossible to torque the PC board.

Re-amping with X-Amp is fun and allows engineers to perfect guitar tracks with options not possible during a typical fast 'n furious tracking session. The X-Amp makes the re-amping process easy and its ultra-high audio quality yields excellent results.

## Features

- 100% Class-A circuit yields amazing clarity
- Overload LED helps monitor input levels
- Dual outputs drive two amps or pedal chains
- Polarity reverse corrects phase between amps
- Out-2 is transformer-isolated to eliminate ground loops
- Active level control to set perfect levels for your amp

## Applications

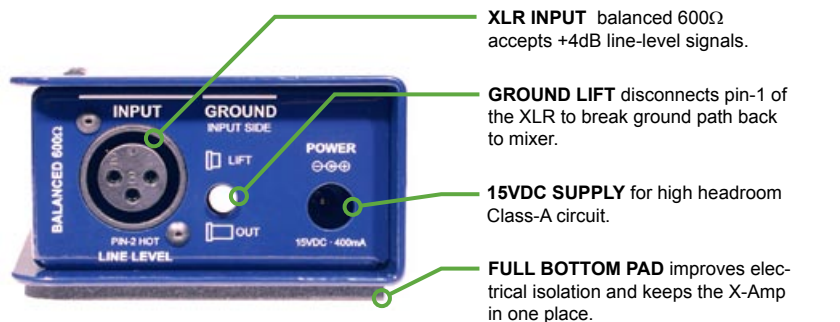
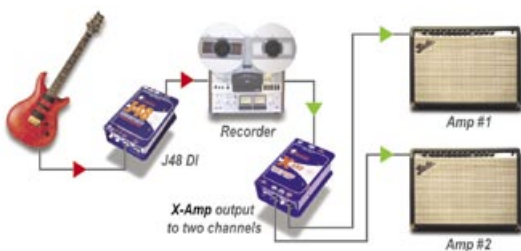
- Line-level to instrument level conversion
- Interfaces recording gear with amps & pedals
- Re-amp your way to fat sounding tracks
- Use during basic tracks, over-dubs and mixing

## Cool Factors

- Active design reproduces original performance
- Tweak amp and pedal sound AFTER recording
- Reduces player fatigue and repetition
- Amplify acoustic instrument without feedback
- Run 2 amps without hum or buzz

## The X-Amp Process

Guitar, bass and keyboard tracks are recorded direct with a high-quality DI box like the Radial J48. After, the track from the recorder is sent to the XLR input on the X-Amp. The signal is converted to an instrument level signal and output to one or two amplifiers. Effect pedals may also be inserted between the X-Amp outputs and the amplifier inputs for even more tonal possibilities. Finally, the amplifiers are mic'ed and the new tones are recorded.

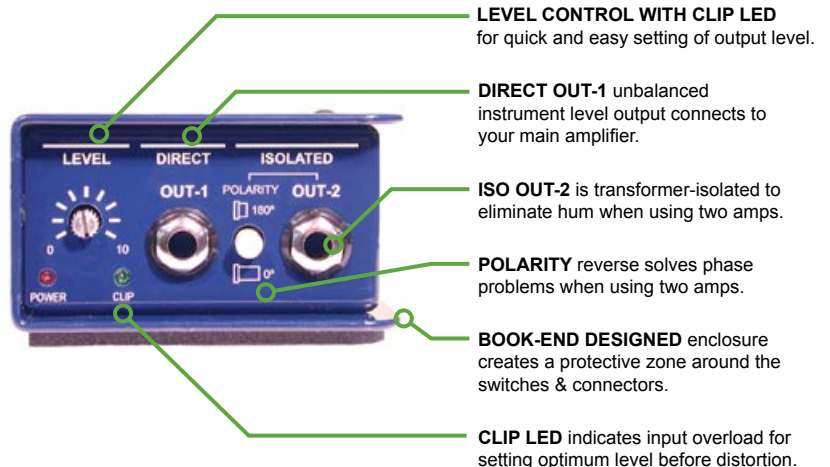


**XLR INPUT** balanced 600Ω accepts +4dB line-level signals.

**GROUND LIFT** disconnects pin-1 of the XLR to break ground path back to mixer.

**15VDC SUPPLY** for high headroom Class-A circuit.

**FULL BOTTOM PAD** improves electrical isolation and keeps the X-Amp in one place.



**LEVEL CONTROL WITH CLIP LED** for quick and easy setting of output level.

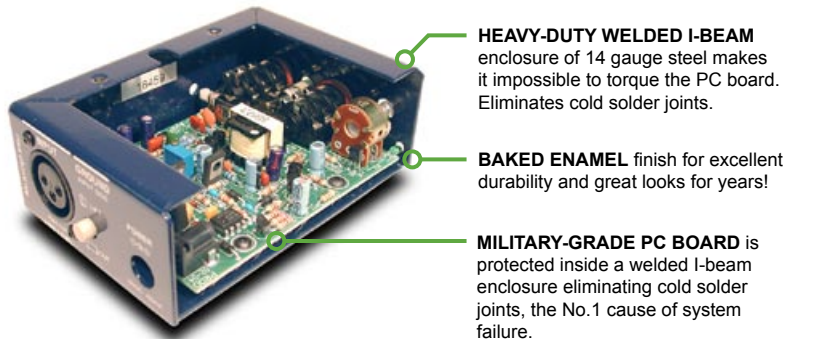
**DIRECT OUT-1** unbalanced instrument level output connects to your main amplifier.

**ISO OUT-2** is transformer-isolated to eliminate hum when using two amps.

**POLARITY** reverse solves phase problems when using two amps.

**BOOK-END DESIGNED** enclosure creates a protective zone around the switches & connectors.

**CLIP LED** indicates input overload for setting optimum level before distortion.



**HEAVY-DUTY WELDED I-BEAM** enclosure of 14 gauge steel makes it impossible to torque the PC board. Eliminates cold solder joints.

**BAKED ENAMEL** finish for excellent durability and great looks for years!

**MILITARY-GRADE PC BOARD** is protected inside a welded I-beam enclosure eliminating cold solder joints, the No.1 cause of system failure.