

X•AMP

Re-Amplifier

U.S. Patent No. 6,005,950 Manufactured under license



The Radial X•AMP offers the recording enthusiast an interface that can greatly expand the tonal palette by bridging the worlds of pro recording equipment with musical instrument amplifiers and effect pedals. In a process known as re-amping, pre-recorded tracks are sent back through guitar amplifiers via the X•AMP and re-recorded. X•AMP reproduces all the tones & inflections of the original performance and drives a guitar amp as if the player was still plugged into it!

X•AMP has several advantages that can be employed to build the thickest and chunkiest of sounds. Players and engineers can experiment with different combinations of amps and effect pedals long after the original performance has been recorded. Player fatigue is lowered and creativity boosted. X•AMP opens new doors to recording creativity with the best sound quality for the process.

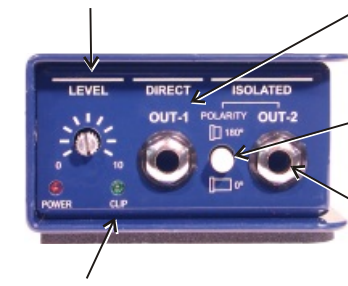
The X•AMP handles level and impedance conversion with an active, Class A circuit. The active circuit provides for a host of features, like dual outputs for driving two amp or pedal chains, variable output level control, and input clip LED. The X•AMP features ground lift, polarity reverse, and transformer isolation to interface any instrument amplifier, new or vintage.

Balanced line level input connector is a balanced 600-ohm line level. This is typically driven from the line level output from a recording device or console.

Bookend shell design
14 gauge steel outer shell creates protected zone around connectors and switches.

Full-bottom no-slip pad provides mechanical and electrical isolation and keeps the X-Amp from moving around during heated performances.

Output level control sets the level going to the guitar amplifiers.



Clip LED indicator helps set the optimum input level.

15V DC power supply connection drives the active Class-A circuit for best signal performance.

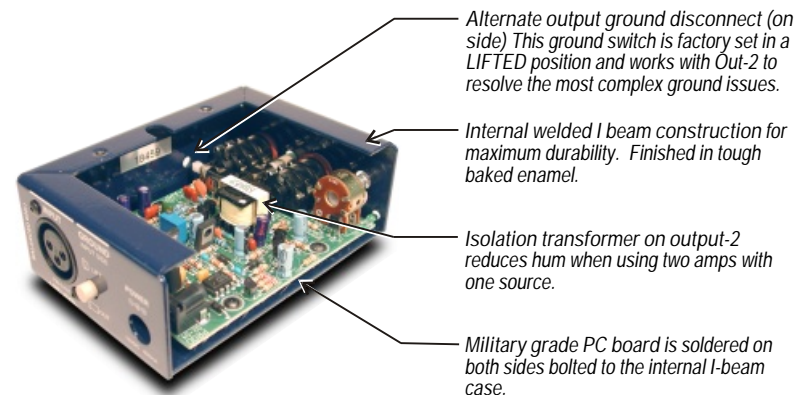


Ground lift switch disconnects the pin-1 ground at the XLR side input. Lifting the ground often helps reduce hum or buzz caused by so-called ground loops.

Out-1: Direct 1/4" output to guitar amp 1 is a transformerless, direct-coupled output and is used to connect to the primary guitar amplifier.

180° polarity reverse works with the transformer-coupled out-2. This flips the polarity of the output to allow two amplifiers to work 'in-phase'

Out-2: Transformer isolated output allows use of two amps without introducing hum caused by ground loops.



Alternate output ground disconnect (on side) This ground switch is factory set in a LIFTED position and works with Out-2 to resolve the most complex ground issues.

Internal welded I beam construction for maximum durability. Finished in tough baked enamel.

Isolation transformer on output-2 reduces hum when using two amps with one source.

Military grade PC board is soldered on both sides bolted to the internal I-beam case.

Applications

- Line level to guitar amp impedance conversion
- Interfaces recording gear with amps & pedals
- Isolate loud amps by remote locating them
- Use during basic tracks, over-dubs, and mixing

Features

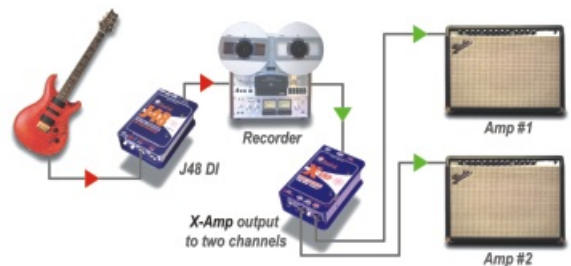
- 100 % Class-A circuit yields amazing clarity
- Overload LED helps monitor input levels
- Dual outputs drive two amps or pedal chains
- Output-2 is transformer isolated
- Polarity reverse corrects phase between amps
- Ground lift on XLR input and out-2
- Active output level control matches line level to guitar amp level for consistent tone

Benefits

- Active design reproduces original performance
- Tweak amp and pedal sound after recording
- Reduces player fatigue, eliminates repetition
- Amplify acoustic instrument without feedback

Cool factors

- Expands the sonic pallet of any track
- Encourages creative recording techniques
- Drive a stereo amp set up with a mono track
- Built in Canada with Radial's 3 year warranty



Basic re-amping signal connections