

X•AMP

Re-Amplifier

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



Features

- Interfaces recording gear with amps & pedals
- Opens door to creative recording techniques
- 100% Class-A circuit yields amazing clarity & tone
- Dual outputs drive two amps or pedal chains
- Ground lift, phase reverse, variable level controls
- Steel construction, built in Canada, 3 year warranty

Active Re-amping Interface

The Radial X•AMP is the first dedicated, dual-output, Class-A, active interface developed to maximize re-amping techniques. Re-amping is the process of sending recorded tracks through a guitar amplifier and re-recording the result. A single X•AMP can drive two amplifiers or pedal chains at the same time.

X•AMP reproduces all the tones and inflections of the original performance and drives a guitar amp as if the player was still plugged into it! Virtually any track can benefit from the unique amplifier and effect pedal tones made available through the X•AMP. Want to fatten up voice tracks and create wild drum effects? The X•AMP makes it possible.

Inside the X•AMP

The X•AMP uses active Class-A circuitry to convert balanced, line level (+4dB) signals to unbalanced guitar level. Because impedance matching is critical when interfacing with musical instrument amplifiers, the X•AMP has an active output level control that does not change the output impedance.

The dual outputs can drive a stereo amplifier set up, or two independent signal chains from a single recorded track. The X•AMP is tailored to musical instrument amplifier needs and offers comprehensive ground lift options to help quiet complex signal chains of guitar pedals and amplifiers.

Output-1 is direct coupled and acts as the primary ground path to a main amplifier. Output-2 features transformer isolation to break ground loops between two amplifiers. A polarity reverse switch serves to phase-align a second amplifier.

X•AMP Construction

14 gauge welded steel forms a crush-proof I-beam case that is inserted into an innovative shell. The bookend design creates a protected zone around switches and jacks. The PC board is military grade, soldered on both sides to prevent cold solder joints, and bolted in place. The bottom is fully covered by a no-slip pad that provides electrical isolation from amplifier frames and handles. High repetition switches withstand heavy use over many years, and "make before break" configuration eliminates pops and clicks. Finally, X•AMP is finished in tough baked-on enamel.

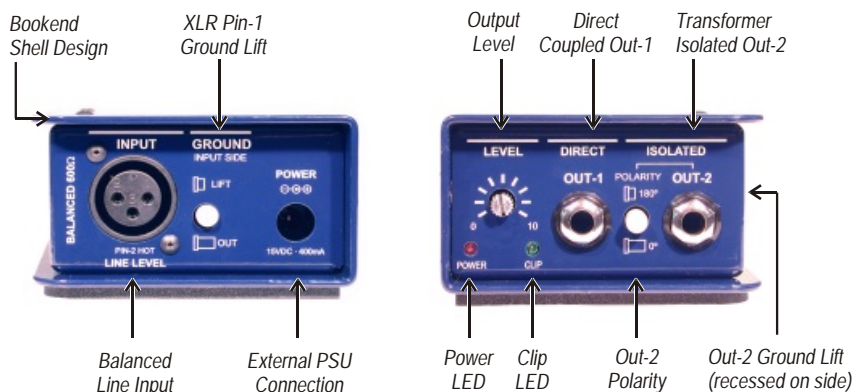
Example Applications

Processing a direct guitar/bass track through the X•AMP will drive the guitar amplifier with the same tone as when the player was recording the performance. This opens up a number of options for recording engineers to experiment with sound textures after a part has been recorded.

The X•AMP can help isolate guitar and bass tracks when recording live. The engineer records the direct instrument sound with a Radial direct box. After the performance the direct track is processed through the X•AMP, into the player's amplifier, and is recorded to another track. The re-amped recording is exactly like the live track, minus the bleed picked up by the microphone.

The X•AMP reduces fatigue and preserves the best performances. Imagine how much more fresh a performance would be if a player wasn't asked to repeat the hook a dozen times before recording it.

The X•AMP makes re-amping easy while expanding the options available to the creative recording engineer. Like all Radial products, the X•AMP is made with the finest components and care to ensure the best sound quality.



Specifications	
Input level:	+4dB Balanced line
Input impedance:	600-Ohms
Output impedance:	5K-Ohms
Out-1:	Direct
Out-2:	Transformer isolated
Output level:	Continuously variable
Dynamic range:	>100dB
Power requirement:	External 15 volt PSU
Size:	3.5" x 2" h x 5.5" (WxHxD)
Construction:	Welded 14 gauge steel
Finish:	Baked enamel
Input connectors:	XLR female
Output connectors:	2 x 1/4" phone