

Order No. R800 1415 00



The Decoder™ is a mid-side (M/S) stereo matrix that makes it super easy to set up a couple of mics for M/S recording to produce the most amazing stereo field. One connects a MID cardioid to channel-1 and a figure-8 SIDE mic to channel-2. Turn on the built-in 48V phantom power and adjust the levels to narrow or widen the stereo image. A third input enables two mics to be used instead of a figure-8 for even more radical effects. Features include a low noise op-amp with 65dB of gain for dynamics, condensers and ribbon microphones; high pass filters on all channels; balanced inputs and outputs plus a polarity reverse for various setups.

**Features**

- Three inputs pre-configured for M/S recording
- Easy to use front panel controls
- Low noise preamps with 65dB of gain
- Radial's legendary build quality for road use

**Benefits**

- Enjoy the benefits of M/S recording easily
- Does not require reconfiguring your mixer
- Super compact for remote recording use
- Sounds absolutely amazing

**Cool stuff**

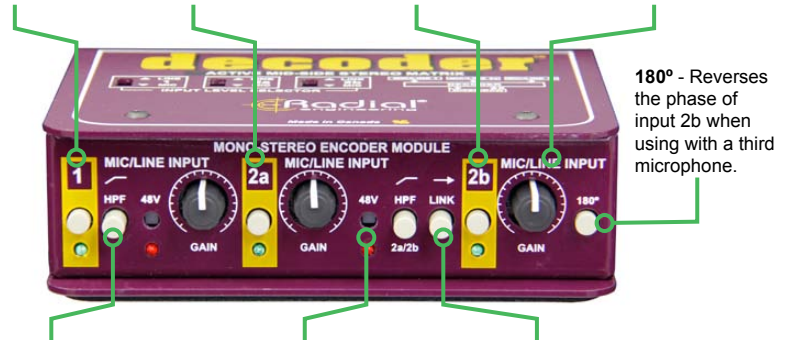
- Can be used as a standard 2 channel mic pre
- Can be switched to line level for Reamping
- Works with all kinds of mics
- Stupid easy to use, yet sounds like nothing else

1 - Turns preamp 1 MID microphone on and off.

2a - Turns preamp 2 SIDE microphone on and off.

2b - Turns on the optional third preamp.

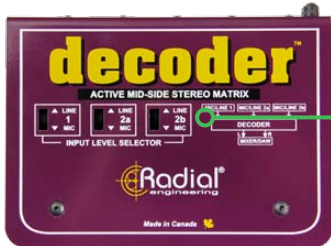
GAIN - Adjusts input level of the MIC/LINE input.



HPF - High-pass filter to reduce low frequency rumble.

48V - Phantom power switch is recessed to prevent accidental turn-on which could damage certain mics.

LINK - Duplicates, pans and reverses the phase of input 2a for traditional M/S operation.



**INPUT LEVEL SELECTORS** - Allows you to select mic or line level on each channel. Switches are recessed to prevent accidental changes while recording.



LEFT & RIGHT OUT - Balanced +4dBu XLR stereo outputs.

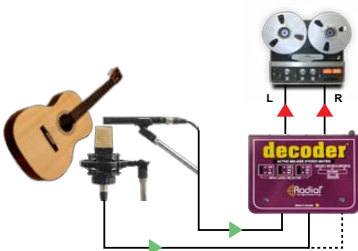
INPUT 2b - Mic/Line input for optional 3rd microphone or line source.

INPUT 2a - Mic/Line input for SIDE microphone or line source.

MIC 1 IN - Mic/Line input for MID microphone or line source.

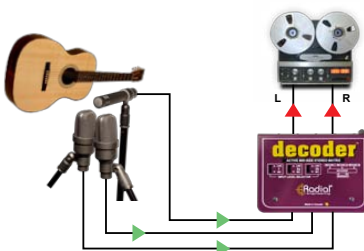
**TRADITIONAL M/S RECORDING**

Traditional M/S recording using a cardioid microphone as a mid mic and a figure-8 mic positioned at 90° from the source to capture the side image.



**3-MICROPHONE SETUP**

Instead of using a figure-8, experiment using three cardioid mics with the Decoder's three preamps to create unique M/S imaging. Spacing the mics apart can offer wide ranging effects.



**CONNECTED TO COMPUTER INTERFACE**

The Decoder can be switched to line-level operation to process pre-recorded tracks. Record with a M/S mic setup but adjust the stereo image during mix-down.

