



# DI3-GT

## Isolated Active Direct Injection Box

### USER GUIDE

MTR's range of Direct Injection Boxes take a signal from an instrument (guitar, bass, keyboard etc.) and, by presenting a high impedance to the instrument and balancing the output, prepares it for connection direct to the input of a live or studio mixing console.

Connect the instrument to the jack socket marked 'Input'. This socket switches the battery on and off, so remove the jack plug after use. If required, a second screened lead can be connected from the 'Link' socket to the input of a combo, so the player can monitor him/herself on stage or in the studio.

The balanced XLR output is coupled to a very high quality isolating 1:1 transformer; connect via a balanced (2 core & screen) lead to the stage box or channel input of the mixer.

The ground switch can be used to lift the signal earth if a hum loop occurs, but *must* be in the left hand position if the unit is being powered by phantom power from a mixer.

The 3 way attenuator allows accurate input level matching: start at 0dB and decrease to -20 or -40 if distortion occurs. Use the -40 setting for speaker feeds.

The unit can be powered in three ways. Remove the lid and fit a 9 volt PP3 battery, or connect a regulated external 9 volt DC supply to the DC input socket. Unregulated DC supplies will probably cause hum.

**CAUTION - observe the polarity diagram on the lid, i.e. centre pin negative, barrel positive.**



Or thirdly, if the console has phantom power, this can be used just by connecting the output XLR to the mixer's input, up to a maximum of 48 volts. The DI-3GT will reduce this to the required 9 volts. The battery can be left in place, but if a battery is not fitted we suggest that the plastic sleeve supplied is left over the end of the battery cable clip to prevent possible shorting.

The Gain slide switch can be used to boost low level input signals by 12dB. This will also change the 'Link' output level.

### **TECHNICAL SPECIFICATION**

<b>Frequency Response:</b>	30Hz-20KHz ±3dB	<b>Ground Switch:</b>	Connected/Lifted
<b>Input/Out Impedance:</b>	1 MΩ jack/600Ω bal XLR	<b>Low Battery led:</b>	approx. 5 volts
<b>Attenuation:</b>	-40dB, -20dB, 0dB	<b>Gain Switch:</b>	+12dB
<b>Power:</b>	9v battery/external 9v DC supply/Phantom Power		



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