



DI-1 & DI-2P Passive Direct Injection Boxes User Guide

MTR's Direct Injection Boxes take a signal from an instrument (guitar, bass, keyboard etc.) and, by presenting a very high impedance to the instrument and balancing the output, prepares it for direct connection to a mixing console in the studio or, via a stagebox, live on stage. The DI-2P is a two-channel version for stereo keyboards, or for two different mono signals.

Connections: Connect the instrument to the jack socket marked Input. If needed, a second jack to jack lead can be connected from the Link socket to the input of a combo, so that players can monitor themselves on stage or in the studio.

The balanced XLR Output socket (pin 2 hot) should be connected via a balanced 2 core screened lead to the stage box, or input socket of the mixer. Note that this unit also can be used in reverse, i.e. a balanced signal can be fed into the XLR socket, and an un-balanced signal will appear at the jack sockets. Note also that this is a passive unit and does not require phantom power – make sure that the mixing desk does not have phantom power switched on.


Ground: The Ground switch push-button is used to eliminate hum loops. Start with the button pushed in, in the 'GND' position, and if hum occurs due to an earth loop with the combo or mixer, release to 'LIFT'.

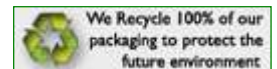
Attenuator: The 3 way attenuator allows accurate input level matching: start at 0dB and decrease to -20 or -40 if distortion occurs. Use the -40dB setting for very high volume speaker outputs. If you are using this DI box with a valve amplifier, the speaker(s) must remain connected to provide the necessary load for the amp's output transformer.

Both DI boxes can also be used in reverse to unbalance a balanced signal - useful when feeding a phantom powered balanced mic into a mono input such as a video recorder or unbalanced mixer-amplifier. Another application: if you like the sound that your guitar/bass/vocal learning device gives (e.g. Tascam CD-GTMkII) you can connect it to the DI box input, and the output to your guitar/bass/PA amp, to keep the sound of the trainer.

We suggest occasionally tightening the jack socket ring nuts by hand, as they can work loose over time.

Specification:

Frequency response:	20Hz-25kHz \pm 2dB	Attenuation switch:	-40dB, -20dB, 0dB
Input impedance:	47K ohms, mono jack + jack link	Ground Switch:	Connected/Lifted
Output Impedance:	600 ohms, bal XLR, pin 2 hot		



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