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AGDC2

Audio Line Level Decoupler

Eliminate AC Hum on your Sound System



When audio sources are interconnected, sometimes a ground loop is created which causes AC hum. This usually occurs when the devices are connected to equipment in different locations. In order to correct this problem, the grounding on the audio lines needs to be de-coupled.

The AGDC-2 is an Audio line level de-coupler. It completely electrically isolates (both signal and ground) the input source from the destination, thus eliminating the coupling which causes AC hum on sound systems. The AGDC-2 is a two channel unit which can be used for stereo or two fully independent sources.

Inputs and outputs are 1/4" TRS Phone jacks. They will accept either balanced or unbalanced connections. They will even convert from one to the other. For example, you can connect an unbalanced CD player output to balanced line input on a mixer using these units.

Typical applications include:

- Computer feeding video to projector and audio to mixer
- DVD player feeding video to projector and audio to mixer
- Mixer feeding audio to DVD recorder
- Equipment connected to mixer, located elsewhere (musical instrument, Computer etc.)
- Mixer output to remotely located amplifiers
- Mixer output to powered monitor speakers

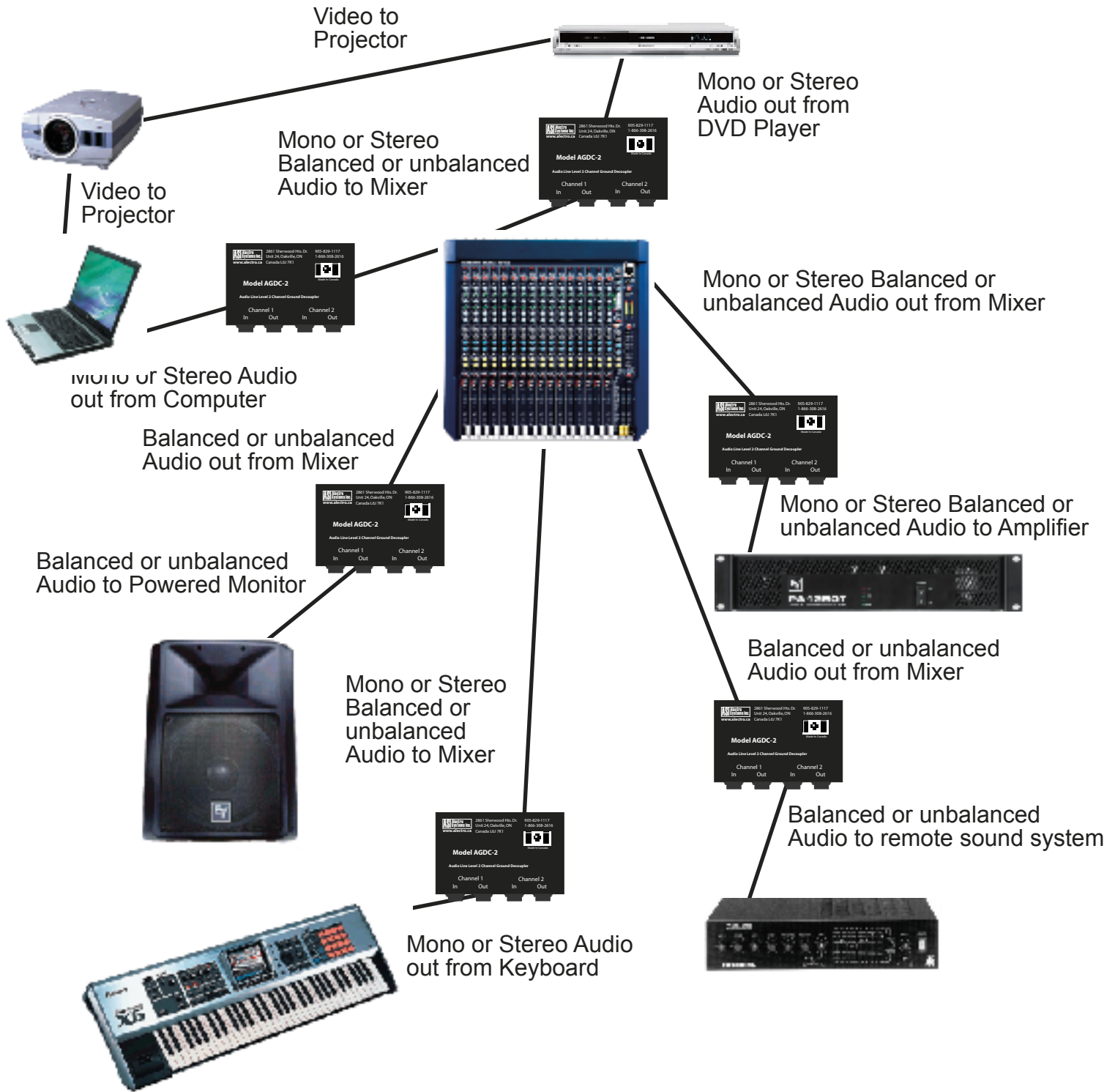
If you plug in a TRS cable, you can get a balanced connection. If you plug in a 2 conductor phone cable you will get unbalanced.

The AGDC is a top quality unit using Neutrik connectors. The electronics are housed inside a heavy steel chassis to provide the best protection against Electromagnetic Interference.

Although the inputs and outputs are bidirectional, output 1 is grounded to the chassis. This provides better Radio Frequency Interference rejection. If you are only using one channel, use channel 1. For best performance, consider the following tips:

- 1) If you are feeding sound into the mixer, such as playback from a CD player or computer, connect the source to the Inputs of the AGDC-2 and the Outputs from the AGDC-2 to the Line Inputs on the mixer.
- 2) If you are feeding sound out of the mixer into a recording device or amplifier, connect the unit backwards. In other words, connect the mixer outputs to the AGDC-2 outputs and feed from the AGDC-2 Inputs to the recorder or amplifier inputs.
- 3) Although the AGDC-2 is shielded for RFI and EMI, do not locate it close to EMI generating sources, such as AC transformers in plug in power supplies (wall-wharts).

AGDC-2 Typical Applications



NOTE: All inputs and outputs are Line level, not Microphone level.

AGDC-2 Patch Cables

Alectro Systems makes a number of patch cables for use with the AGDC2 Decoupler. Here are some examples:



CABTRS - Balanced 1/4" Phone to 1/4" Phone Cable
available in 3, 6, 12 & 15 foot lengths



CAUTS - Unbalanced 1/4" Phone to 1/4" Phone Cable
available in 3, 6, 12 & 15 foot lengths



CAUTSRCA - Unbalanced 1/4" Phone to RCA Cable
available in 3, 6, 12 & 15 foot lengths



CAMINTS - Balanced 1/4" Phone to 1/4" Phone Cable
available in 10 foot (can be custom made in other lengths)



CADXMTRS - Balanced 1/4" Phone to XLR Male Cable
available in 3, 6, 12 & 15 foot lengths



CADXFTRS - Balanced 1/4" Phone to XLR Female Cable
available in 3, 6, 12 & 15 foot lengths



A505 - Unbalanced Stereo Mini Phone to two RCA Cable
available in 6 foot only



A256 - RCA to
1/4" Phone Adapter



A500 - RCA Coupler to
two Male to one Female