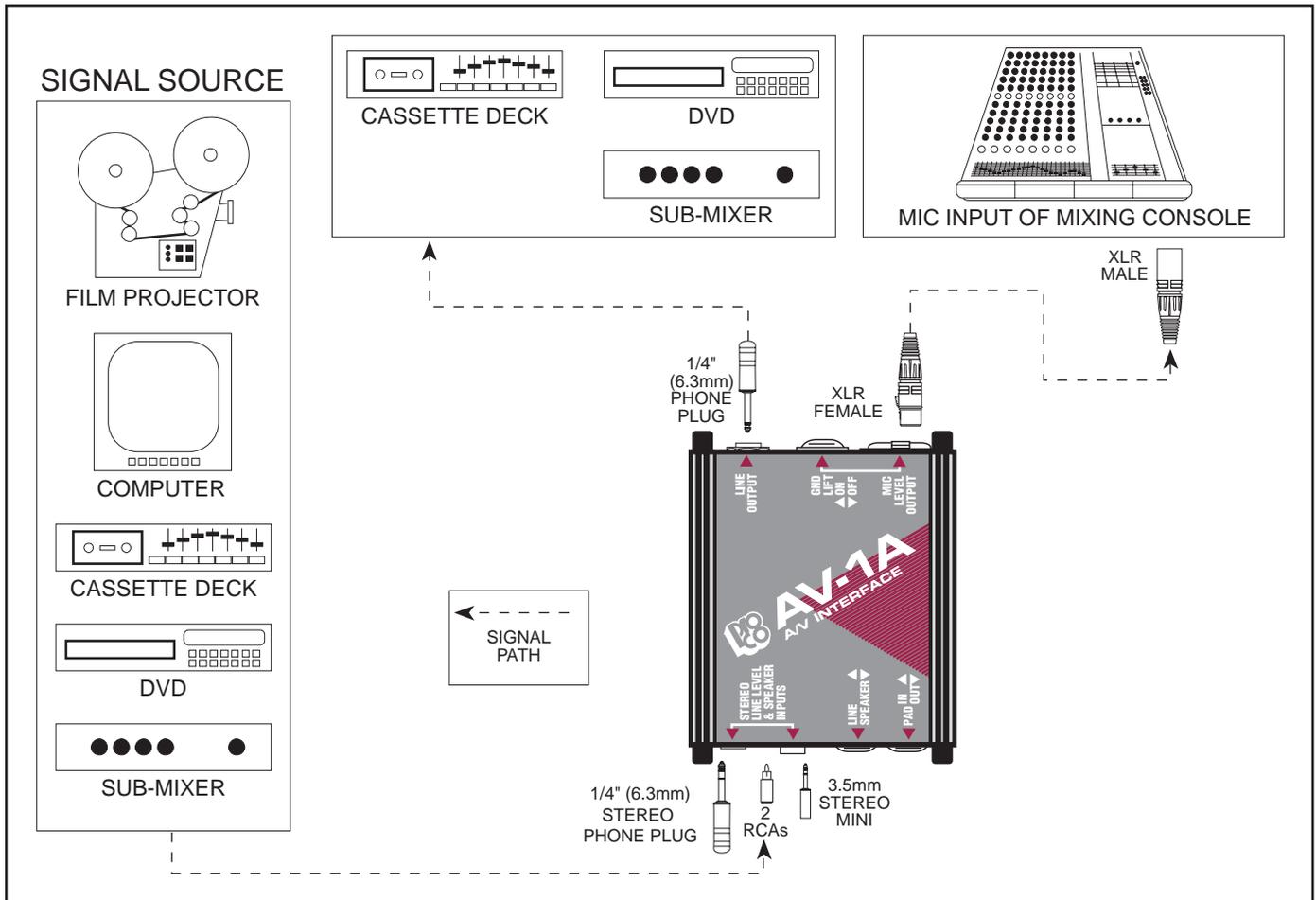




MonoLink™ Series AV-1A

Audio/Video Interface Application Information



Controls

Inputs:

All inputs are parallel and resistively mixed to monaural. 1/4" 3-conductor phone jack, accepts signals from balanced or unbalanced line-level or speaker-level sources such as audio and video tape recorders and movie projectors. (Has 16-ohm, 5-watt dummy load, 20 dB attenuator network, and low-pass filter, -3 dB@8 kHz, 6 dB/octave when Spk/Line switch is up Input impedance: approx. 16 ohm). Two RCA phono jacks and one stereo mini jack, for signals from

nominal -10 dBV sources such as radio, cassette, computer or DVD outputs. Input impedance: approx. 4 kohm.

Line Output:

1/4" (6.3mm) phone jack takes signal after SPKR/LINE and PAD ("up" position = pad "in") switches and provides unbalanced line-level source to feed suitable inputs of tape recorders, CDs, DVDs, sound systems, etc. Recommended load impedance: 100 kohm.

Mic Level Output:

Make 3-pin XLR-type connector provides floating transformer-isolated low-impedance output to feed suitable mixer or PA amplifier input. Recommended load impedance: 1.0 kohm.

Hum Cancel:

Ground-lift switch used to reduce hum and buzz by eliminating ground loops and providing proper grounding for various conditions. Breaks connection between input and output shields.

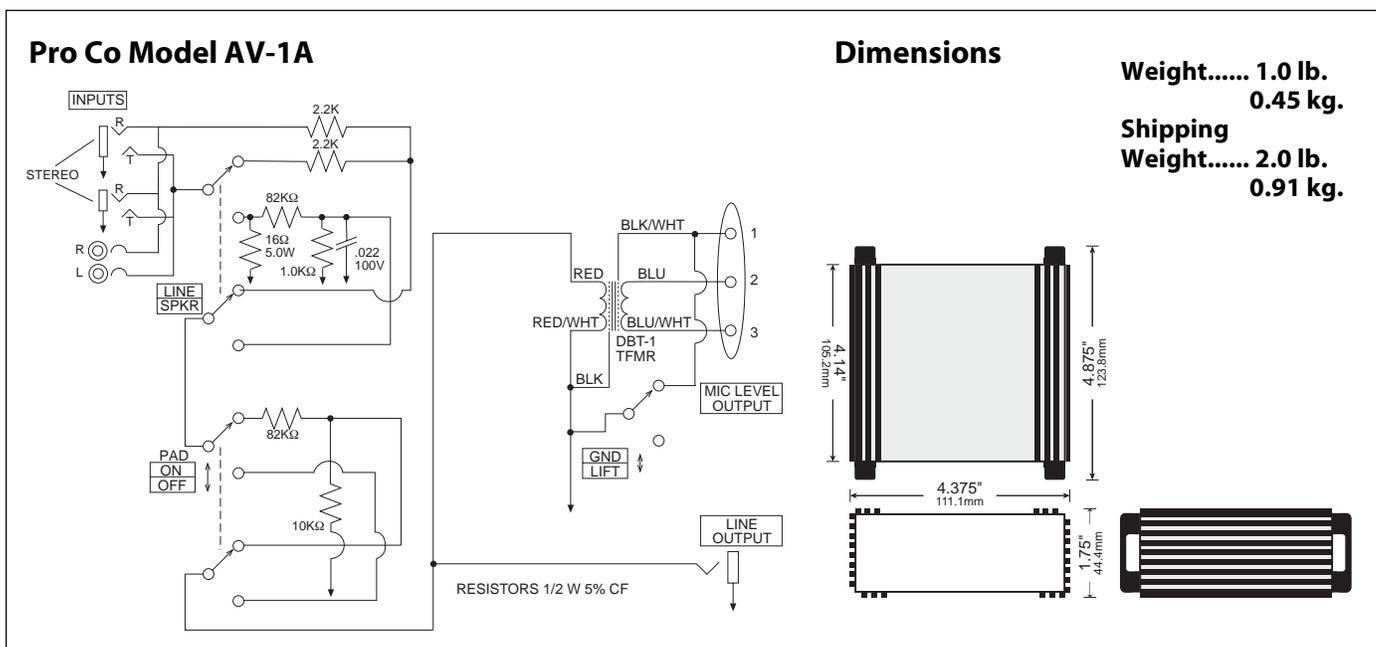
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Notes for Speaker Hookup

1. For projector inputs from speaker level outputs, use the 3-conductor jack. To switch in a 16-ohm resistor, 20dB attenuator and 8 KHz low-pass filter into the circuit push the Pad switch "up".
2. It is suggested that volume controls on source equipment be set at the halfway position. A typical output of approx. 1 watt into a 16 ohm load (approx. 4 vRMS) is assumed. It is strongly suggested that the volume control for the PA system be kept at a low setting when connecting the AV-1A and setting initial levels to avoid possible damage to loudspeakers.
3. Line In level is nominally -10dBV (300 mV). Use of two jacks for resistive mixing of two low impedance sources will cause 6 dB of signal loss (In addition to the transformer step-down/insertion loss).
4. HUM CANCEL position is typically used when connecting sources with 3-wire grounded AC line cords, assuming that the PA system is properly grounded. For safety reasons all equipment with 3-wire AC line cords should be connected to properly grounded receptacles. Note that HUM CANCEL switch does not affect MIC IN connector as it is an independent circuit.



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- CB-1 Economy Direct Box
- IT-1 Isolation Transformer Unit
- MC-2 Microphone Combiner
- MS-2 1:2 Microphone Splitter
- MS-3 1:3 Microphone Splitter
- CD-1 Cough Drop cough suppressor
- HH-1 Hear, Here cough suppressor plus IFB circuit

MULTILINK™ Series

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- IT-4A Quad Isolation Transformer Unit
- IT-8A 8-ch. Isolation Transformer Unit
- MS-42A Quad 1:2 Microphone Splitter
- MS-43A Quad 1:3 Microphone Splitter
- MS-82 8-ch. 1:2 Microphone Splitter
- MS-83 8-ch. 1:3 Microphone Splitter
- LS-82 8-ch. 1:2 Line Level Splitter

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