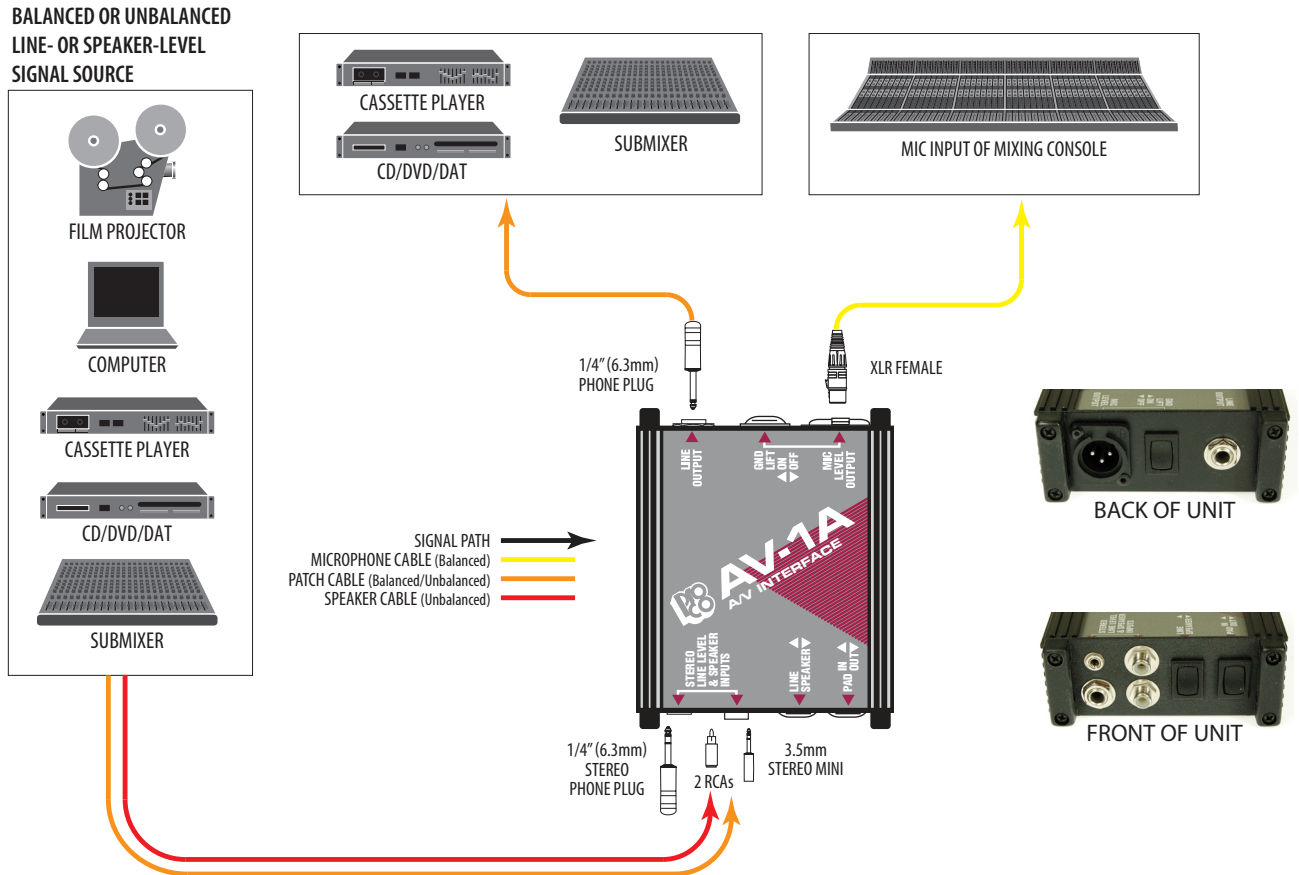


APPLICATION INFORMATION



CONTROLS:

STEREO, LINE LEVEL & SPEAKER 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. (Input has 16-ohm, 5-watt dummy load, 20 dB attenuator network, and low-pass filter, -3 dB@8 kHz, 6 dB/octave when LINE/SPEAKER switch is in LINE position. 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.

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.

LINE OUTPUT:

1/4" (6.3mm) phone jack takes signal after LINE/SPEAKER 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.

GND/LIFT:

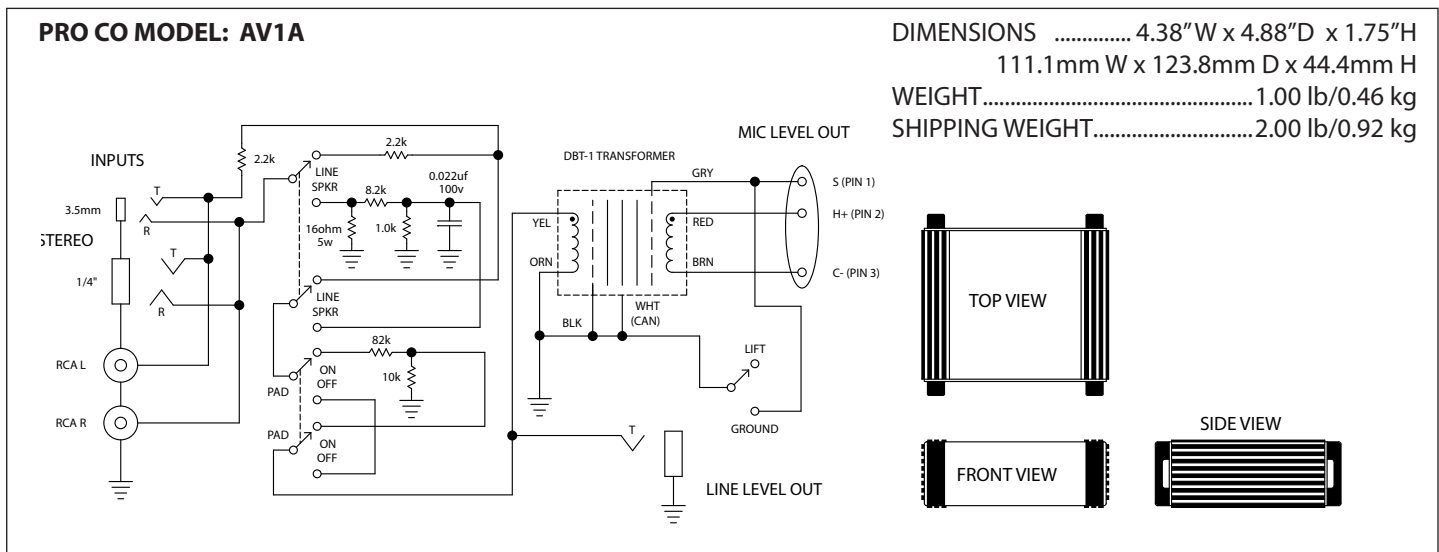
Ground-lift switch used to reduce hum and buzz by eliminating ground loops and providing proper grounding for various conditions. Breaks connection between input and output shields.

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. Gound lift (GND/LIFT) 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 GND/LIFT switch does not affect LINE OUTPUT as it is an independent circuit.

CIRCUIT DIAGRAM:



Other TradeTools™ Products from Pro Co

- AVP1 Wallplate Format Audio/Video Interface Unit
- AVP1V Wallplate Format Audio/Video Interface Unit with Input Level Control
- CB-1 Direct Box
- DB1 Professional Direct Box
- DB2 Professional Stereo Direct Box
- DB4A Rackmount Quad Direct Box
- DBA1 Professional Active Direct Box
- HJ4P Professional Stereo headphone Junction Box
- HJ6 Headphone Junction Box
- iFace Portable Audio Player Interface
- iGate Universal Audio Gateway
- iPlate Wallplate Format Portable Audio Player Interface
- iRack Rackmount Portable Audio Player Interface
- IT1 Isolation Transformer Unit

- IT4A Rackmount Quad Isolation Transformer Unit
- IT8A Rackmount 8-ch. Isolation Transformer Unit
- LS82 Rackmount 8-ch. 1:2 Line Level Splitter
- MC2 Microphone Combiner
- MS2 1:2 Microphone Splitter
- MS3 1:3 Microphone Splitter
- MS42A Rackmount Quad 1:2 Microphone Splitter
- MS43A Rackmount Quad 1:3 Microphone Splitter
- MS82 Rackmount 8-ch. 1:2 Microphone Splitter
- MS82P Rackmount 8-ch. 1:2 Phantom Power Microphone Splitter
- MS83 Rackmount 8-ch. 1:3 Microphone Splitter
- MS83P Rackmount 8-ch. 1:3 Phantom Power Microphone Splitter
- RA1 Reamping Box

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