



LINK ELECTRONICS, INC.

PORTABLE AUDIO DISTRIBUTION AMP MODEL PAA-60



Wall Transformer
Included
Part #PWT-4124

FEATURES

- ◆ 1 input, 8 outputs
- ◆ Select Dual 1 X 4
- ◆ Differential Input
- ◆ Stereo Operation

The PAA-60 is designed to cover a nearly unlimited range of audio amplifier or interface applications.

As a basic distribution amplifier, the PAA-60 may be used as a 1X8 MONO DA or a 1X4 STEREO DA. An easily accessible DIP switch quickly conforms the PAA-60 to your applications. The PAA-60 can interface unbalanced sources to balanced feeds. When used in this mode, the differential input prevents ground loops from causing interference. Both channels have gain-up switches to accommodate -10 dBm inputs. The PAA-60 can also interface +4 dBm balanced to 10dBm unbalanced.

A unique feature of this unit is the signal metering LEDs. Each channel has an LED which indicates a signal presence greater than -30dBm with a green glow. When a program level greater than -20dBm is present, the LED glows orange. If the signal reaches clipping levels either internally or on the output, the PAA-60 warns with a bright cherry red indication. When there is no signal present, the LEDs provide power on indication by flashing green once. They flash red once for power off.

- ◆ Balance/Unbalance Match
- ◆ Gain Control Both Channels
- ◆ Level Indication
- ◆ Mono Operation

The gain controls for each channel may be adjusted from -4 to +9dB (+24dBm with gain). The gain pots center at 0dB. The gain controls are supplied with miniature knobs.

The PAA-60 requires 20-30VAC or +25-35VDC. The PAA-60 portable DA will operate at reduced specifications with a power input as low as ~ 10 volts DC.

Just a few of the PAA-60's problem solving capabilities ...

- > Two channel mixer with simple LED metering.
- > Visual audio presence monitor (The PAA-60 produces sufficient output to drive headsets or ear pieces)
- > Adjustable Intercom IFB amp with local (talent) control and talent alert (clip indication)
- > MONO DA with two separately adjustable feeds
- > The PAA-60 should be compatible with most intercom system specifications for power and level requirements.

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MODEL PAA-60 PORTABLE AUDIO DA

SPECIFICATIONS

INPUT:

Maximum Level: +40dBm
Impedance: >20K ohms bridging
Common Mode Rejection Ratio: >-40dB at 60Hz
Maximum Common Mode Range: +8V

OUTPUTS:

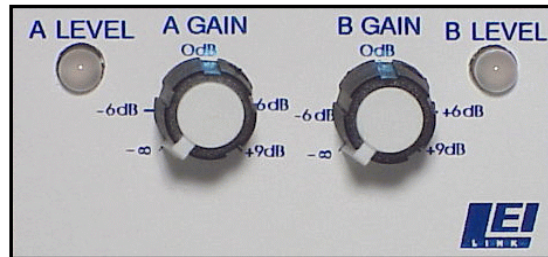
Number:
1 X8: 8
2 X 4: 4, each amplifier
Maximum Level: +20dBm
Impedance: 66 Ω
Frequency Response: ± 0.1 dB, DC to 20 KHz
Gain Range, Switchable: +24dB to -4
Signal To Noise: > -80dB, unity gain
Total Harmonic Distortion (THD): < 0.004% @ +20dBm
Cross Talk: < 65dB, 20 to 20KHz

ENVIRONMENTAL:

Temperature: 0 to 50 $^{\circ}$ C ambient
Humidity: 10% to 90% non-condensing
Power: 35mA
Source Voltage: 20-30VAC or 25-35VDC
Wall Transformer: 120VAC to 20-30VAC or 25-35VDC

MECHANICAL:

Height: 1.4 Inch
Width: 5.5 Inches
Depth: 2.6 Inches
Weight: 6.0 Oz



PAA-60 End Panel

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