

BALBOX Analogue Audio Distribution Amplifier



FEATURES

- **Dual channel**
- **Balanced inputs**
- **Eight balanced outputs / channel**
- **Low noise and low distortion**
- **20 dB variable gain range**
- **Ideal for stereo applications**
- **Integral mains supply**
- **Compact and rugged case**

The **BALBOX AADA010** provides a dual channel analogue audio distribution amplifier in a compact, rugged standalone unit.

The **AADA010** has eight electronically balanced outputs per channel, and the gain is adjustable separately on each channel. It will therefore provide similar facilities to those found in conventional rack based DA's.

The design ensures low cross-talk between channels, so the **AADA010** may be used as two independent mono audio DA's, or in stereo audio applications.

Input and output connections are through a 50way subminiature 'D'-type socket. A mating 50 way plug with solder connections, is supplied with the **AADA010**. A 'breakout' cable is available to facilitate connections through 'XLR' style connectors.

The unit has an integral mains power supply (universal 90 to 250Vac range) with filtered IEC power inlet for safe and reliable installation.

The **AADA010** will find application in temporary and small installations, and wherever space is at a premium, such as in OB trucks. It is possible to combine a number of **BALBOX** units using a simple 1U tray, the **BOXRACK**.

SPECIFICATION – AADA010

This specification applies equally to each channel

INPUT

Impedance: bridging > 50k ohm at 1 kHz
Balance: better than 60 dB at 1 kHz
Maximum input for 1% THD: + 20 dBu from 20 Hz to 20 kHz
+ 26 dBu from 100 Hz to 20 kHz

OUTPUT

No of outputs: 8
Impedance: 75 ohm
Maximum output level: +26 dBu in to bridging load
+24 dBu in to 600 ohm
Isolation between outputs: better than 50 dB from 20 Hz to 20 kHz (with inputs shorted)
Equality of output levels: ± 0.2 dB
Interchannel cross-talk: better than -86 dB

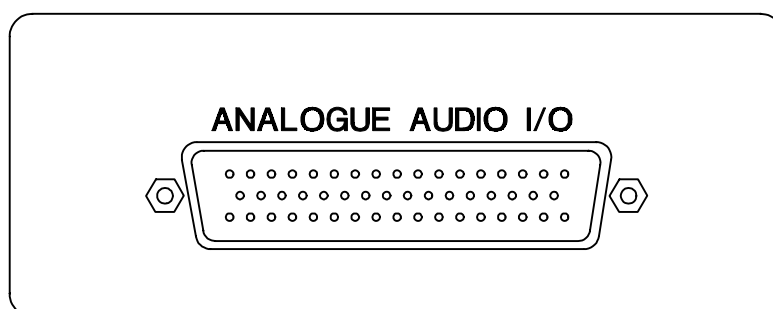
AUDIO PERFORMANCE into 600 ohm load

Frequency response: ± 0.25 dB from 20 Hz to 20 kHz
Total harmonic distortion at + 20 dBu: < 0.1% from 20 Hz to 20 kHz
Noise, unweighted, 20 Hz to 20 kHz: better than -86 dBu
Gain range: -6 dB to +14 dB

INSTALLATION DATA

Package: Standalone **BALBOX** housing, with 50w 'D' type connector
180 x 103 x 42.4mm
Weight: 900g
Mains Supply: 90 – 250Vac
Consumption: <10VA
Operating Temperature: 0 to 40 degrees C.

*Refer to **BALBOX** general data sheet for information on **BOXRACK 1U** tray*



Rear Connector

ORDER CODE

AADA010
AADA010BC01
BOXRACK

DESCRIPTION

Standalone Dual Channel Analogue Audio Distribution Amplifier.
'XLR' breakout cable, 2x female, 16x male, on 1m cables.
1U tray to hold up to 4 BALBOXES
