

BALBOX AES/EBU Distribution Amplifier with Audio Delay



FEATURES

- 1 AES/EBU digital audio input
- 8 AES/EBU digital audio outputs
- Up to 500ms of audio delay
- Manual and GPI adjustment modes
- Non-volatile storage of delay settings
- Integral mains power supply

The *BALBOX* SADA020 is an AES/EBU digital audio distribution amplifier which incorporates programmable audio delay of up to 500ms. It is designed to overcome lip-sync problems which occur when video signals undergo significant processing in synchronizers and coders and in the use of large flat panel displays.

The delay may be set manually or through GPI signals, and the delay setting is held in non-volatile memory. Delay step size is 10ms.

Digital audio inputs and outputs are transformer balanced, and are all taken through a 50way D-type connector due to the compact nature of the amplifier. Breakout cables with XLR connectors are available.

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

The SADA020 is housed in a robust steel case, and may be combined with other *BALBOX* units and housed in a simple 1U tray.

SPECIFICATION – SADA020

INPUT

Input signal: Balanced digital audio to AES3-1992, EBU Tech 3250
Audio sampling: 24-bit max, sampling rates up to 48kHz
Input levels: 200mVp-p min, 7Vp-p max
Impedance: 110ohm terminating on all inputs

AES/EBU OUTPUTS

No of outputs: 8
Output signal: Balanced digital audio to AES3-1992, EBU Tech 3250
Output level: 3Vp-p across 110ohm resistor
Impedance: 110ohm, transformer coupled

AUDIO DELAY

Delay range: 0 to 500ms
Delay step size: 10ms

INDICATOR

A green LED indicates power on

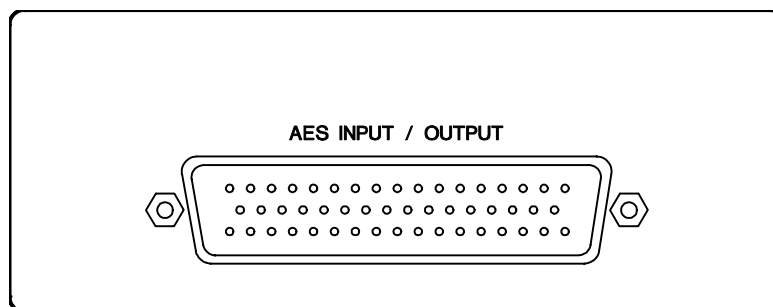
CONTROLS

Control mode: Local/remote selected by DIP switch
Local control: Rotary control
Remote control: By momentary closure GPI signals through 9 way D type connector

INSTALLATION DATA

Package: Standard *BALBOX* housing, with one 50way sub-miniature D-type socket for audio connections and one 9way D-type socket for GPI control
184 x 103 x 42.4mm.
Weight: 950g.
Mains supply: 90 – 250Vac
Consumption: <15VA

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



Rear Connector

ORDER CODE

SADA020
SADA010BC001
BOXRACK

DESCRIPTION

BALBOX AES/EBU Distribution Amplifier.
SADA010/020 Breakout cable: 1 x XLR socket, 8 x XLR plug on 1 metre cables
Tray to hold up to 4 *BALBOX*es in 1U 19" rack.