HIROSYS
BROADCASTING PRODUCTS

HB-DA6EX

Electronic Balanced 6-way Stereo Distribution Amplifier

HB-DA6EX 6-way Stereo Distribution Amplifier

The HB-DA6EX is a professional audio distribution amplifier designed for broadcasting station and recording studio. The unit is suitable for mono, dual mono and/or stereo applications. It provides 2 inputs and 12 outputs. Each output can also be configured to receive Input A , Input B or a mono-derived sum from Input A+B. This is achieved via front panel toggle switches. Each output has own separate amplifier with individual gain-adjustable preset that can be accessed via the front panel.

The HB-DA6EX inputs and outputs are electronically balanced and can be wired unbalanced. Each output is individually buffered so that unbalanced or short-circuit on one output has no effect on any other output.

Easy Operation

The front panel is laid out clearly with 12 toggle switches and individual trim control for outputs configuration. Input A and Input B signals has two corresponding LED's that indicate signal content. The inputs level are adjustable using rotary control on the front panel.

The rear panel is equipped with two COMBO inputs to accept XLR or 6.3mm TRS jack balanced line level signals, and 12 XLRs outputs that can be selecting input source and adjust the output level.

Expandable System

Using standard XLR cables user can cascade as many HB-DA6EX as needed to create a system for more outputs purpose. Each output can still individually control its signal level and select the inputs.

The HB-DA6EX can be mounted in a single rack space flight-case, and the AC power input voltage is switchable (110V~120V or 220V~240V) for different countries.

The HB-DA6EX is ideal for recording studio, public announcement, radio and TV broadcasting where audio distribution system must be flexible to install, easy to operate and completely transparent in operation.

Features

- High density, 2 balanced COMBO line level inputs, 12 electronically balanced outputs.
- Gain adjustment ±12dB via multi-turn preset on each output.
- Master Level controls for Input A and Input B.
- Inputs and Outputs can be wired for unbalanced connection.
- Mono / Stereo selection; each output can be individually to either input or to a stereo-summing of the inputs.
- RFI Filters on all inputs and outputs. EMC-proof case significantly improves rejection of radio frequency interference.
- Output to connect additional HB-DA6EX for extra audio outputs.
- LED indicators show signal contented of each input feed.
- Switchable power supply (110V~120V or 220V~240V).
- IEC-AC power receptacle

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Front Panel include :-

- Input A Signal Indicator
- Input A Level Adjustment
- Input B Level Adjustment
- Input B Signal Indicator
- Output Source toggle switches (12-ch)
- Output Level Trimmers (12-ch)
- Power Indicator

Rear Panel include :-

- IEC AC Power Input (Fuse Included)
- Main Power Switch
- 110V ~ 120V / 220V ~ 240V Voltage Switch (Change Fuse Current for different Voltage)
- Balanced Distribution Outputs (12-ch)
- Main Signal Inputs (XLR / 6.3mm jack COMBO)

TECHNICAL SPECIFICATIONS -

Audio Specifications

Frequency Response	+0 / -0.1dB 20Hz~20kHz
Input Impedance	30k ohm Balanced 15k ohm Unbalanced Override
Maximum Input Level	+27 dBu
Balanced Input, at 1kHz	70 dB Typically
Master Input Level Control	-85 dB to 0dB Gain
Output Gain Adjustable Range	-12 dB to +12dB
Output Impedance	20 ohm
Maximum Output Level	+27 dBu
Output Noise (A-wtd, rms)	-88 dB (Unity Gain)
THD + Noise	0.01% @ 1kHz at +24dBm

Connections

Input	2 x COMBO XLR + 6.3mm TRS (Balanced can be wired Unbalanced)
Output	12 x XLRM (Balanced can be wired Unbalanced)
Power Requirement	IEC, 110~120V or 220~240V

Physical Specifications

Dimensions	482 mm (W) x 44 mm (H) - 1U panel x 122 mm (D)
Nett Weight	2.8 kg

* In an effort to continually improve equipment performance, Hirosys reserve the right to alter the product specifications from those given in this brochure. Errors and omissions excepted.

Distributed by :

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