

## HB-DA6TX

### Transformer Balanced 6-way Stereo Distribution Amplifier

The HB-DA6TX 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-DA6TX outputs are transformer balanced for better CMRR and offer total Isolation. Each output is individually buffered so that short-circuit on one output has absolutely 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-DA6TX 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-DA6TX 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.



HB-DA6TX 6-way Stereo Distribution Amplifier

The HB-DA6TX 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 transformer balanced outputs.
- Gain adjustment  $\pm 12$ dB via multi-turn preset on each input and output.
- Master Level controls for Input A and Input B.
- 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-DA6TX for extra audio outputs.
- LED indicators show signal content of each input feed.
- Switchable power supply (110V~120V or 220V~240V).
- IEC-AC power receptacle

# HB-DA6TX

Transformer Balanced  
6-way Stereo Distribution Amplifier



### Front Panel include :-

- Input A Signal Indicator
- Input A 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
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	60 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
Output	12 x XLRM
Power Requirement	IEC, 110~120V or 220~240V

### Physical Specifications

Dimensions	482 mm (W) x 44 mm (H) - 1U panel x 202 mm (D)
Nett Weight	6.0 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 :

# HIROSYS

BROADCASTING PRODUCTS

HiroSys Limited, 4 Kendal Gardens  
Tockwith, York, YO26 7QR, UK

Phone / Fax : +44(0)1423 358024  
Email : sales@hirosys.co.uk