

DS8000D Audio Distribution System

Digital Version Now Available!



DS8000D Example System Connection

Top DS8000D is set to AES word clock OUT

Bottom DS8000D is set to AES word clock IN

Units are synchronised.



AES outputs (2 x 8 channels) feed AES - MADI converter



MADI to USB converter



Computer running multitrack recorder



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DS8000 Audio Distribution System

Distribute the highest quality analogue and digital audio

Need to add digital outputs but not sacrifice any of your electronic or transformer balanced analogue splits? We have the answer - a highly configurable digital version is now available as the DS8000D.



Further increase the flexibility of your distribution with:

- 2 x AES digital outputs for each input
- Outputs on industry standard D-Sub connection
- XTA quality is assured with the latest generation analogue to digital converters*
- Micro-controlled options allow selectable sample rates from 48k - 192k
- External word clock sync with sample rate conversion from 32k upwards
- Word clock can also be output as a master clock at 48k - 192k
- Tricolour LED for indication of output sample rate
- Lock LED for word clock when in external sync mode

*AES output dynamic range > 113dB, transformer isolation > 500V

Features and Basic Specifications

Rugged 2U steel casing with recessed control panel area to avoid damage and accidental adjustments.

Subtle illumination of control panel area for low light conditions.

DC power supply link capability - enables safe fail over mode for paired units in the event of a power loss to either unit.

New design discrete mic preamps with exceptional noise and CMR for incredible performance, even with long cables (typically 120dB at 1kHz).

Improved gain range now switchable in 6dB steps from -6dB up to +42dB.

Individual channel 4 segment LED metering with attendant solo and 48V indicators.

Remote control of phantom power on inputs via sensing on FOH and MON outputs.

Individual phantom power on all channels, with "safe" switching for FOH, MON and front panel.

Ground lift circuit switches to prevent hum - separate MON and FOH control.

"O/B Split" modes switchable to feed channel 1's input to first 16 outputs, or channel 5's to last 16 outputs.

Solo listen with high power phones amp and external bus to allow other units to be monitored without having to move headphones jack.

Technical Specifications

Inputs Electronic

Max input level: +26dBu
Differential Impedance 10k
100Hz CMRR @0dB gain 85dB typ.
100Hz CMRR @30dB gain 120dB typ.
1kHz CMRR @0dB gain 85dB typ.
1kHz CMRR @30dB gain 120dB typ.

Inputs Transformer Isolated

As above except:
Max broad spectrum level: +26dBu
Max LF level: +16dBu (30Hz)
Differential Impedance 5k
Isolation 2.5kV

Outputs Electronic

Max output level: +20dBu (600R)
Diff. Impedance less than 50ohms

Outputs Transformer Isolated

Max output level: +10dBu (600R)
Nominal level: -10dB
Diff. Impedance less than 150ohms
Isolation 2.5kV

System

Freq. Response 22-22k +/-0.5dB
XFMR Option Freq. Response 22-22k +/-1.5dB
EIN (0dB gain, 22-22k) less than -101dBu
EIN (30dB gain, 22-22k) less than -124dBu
Power 90-240VAC, nominal less than 30W
Weight (no options) less than 6kg

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Due to continuing product improvement, all specifications subject to change.

