

DS8000 Audio Distribution System



Divide Signal, Don't Multiply Noise
The DS8000 from XTA

www.xta.co.uk



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Redesigned with you in mind

Taking on board all the feedback we have received over the years about the DS800, we've redesigned our famous mic/line distribution system "from the ground up," and are proud to introduce the **DS8000**.

Featuring all new microphone pre-amps designed by Gottelier award winning Alex Cooper, the **DS8000** offers many new facilities including a dual redundant power supply*, simple Outside Broadcast "one to many" split switching and 48V "safe" functions to prevent tampering.

Subtle panel lighting for dark under-stage environments and the option of adding an ADC card for integration into digital networks, plus bespoke new output transformers all combine to produce a package that enhances its predecessor's reputation as a flexible, rugged high quality distribution system.

The **DS8000** is a 2U, 8 input to 32 output mic/line distribution system with 16 transformer balanced isolated outputs, and 16 electronically balanced outputs fitted as standard. Input transformers and replacement of the electronically balanced outputs with transformer balanced outputs are available as options.

*when two units paired with supply link cable



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/-0.5dB
XFMR Option Freq. Response 22-22k +0/-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.

