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DX360/480

DIGITAL SPEAKER CONTROLLER

- DX360: 3 IN / 6 OUT
- DX480: 4 IN / 8 OUT
- Flexible routing between Inputs and Outputs
- 40-bit floating point DSP (Highly accurate digital processing)
- High Performance 24-bit A/D and D/A Converters
- Accurate 1 Hz Frequency Resolution

Product Information

LSS introduces the new DX series System, it is one of the most advanced and easiest management system to control digital loudspeakers in the audio industry. The DX features 40-bit floating point processor that collects all of facilities required to drive and align sound reinforcement systems in a single box. Using a high-bit DSP prevents noise and distortion that usually gets truncation and errors when 24-bit fixed point DSP devices are used. DX series can be used as a stand-alone device managed directly from its front panel or with a laptop or other computer via built-in USB port or RS485 (for extended control distance up to one mile) for Real Time Control. Designed for touring or fixed installation, The DX comes with DX360 3-IN/6OUT, and DX480 4IN/8OUT. DX Series is designed with a quick access 'One Touch' button for Volume, EQ, Crossover, Limiter, Input Channel, and System, all this make it easily to direct access the features to configure with one touch - in real time. Moreover, DX is equipped with most advanced Pink noise and Single Frequency Generator to simplify and help to accurately setup the desired configuration. Additionally, DX Drive software on the the included CD has been developed with an intuitive graphical user interface wich makes setup a snap, even when setting up complex system. Up to 30 program setups can be stored in the onboard memory module. The DX also features full system security to prevent unwanted setting being changed.

«One touch» easy access menu keys

There are 8 menu key for:
- Signal - Gain/POL (Phase) Delay
- EQ - PEQ Equalizer
- X'over (Crossover)
- Limiter - THRESHOLD, ATTACK, RELEASE
- System - Load, Store or Erase programs
- Channel - Input Mix
- Name (Channel name) - For each Input / Output channel
- Exit - exit control main system

Rotary Thumb Wheel - Changes parameter data values and press to confirm the changes. The wheel has travel speed sensing wich erase large incremental data modifications according to the speed dialed. To confirm the setting press the wheel one time.

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DSP & AMPLIFIERS

Data Sheet

Inputs and Outputs

Input Impedace	> 10 kOhms
Output Impedance	50 Ohms
Maximum Level	+ 20 dBu Level
Type	Elentronically Balanced

Audio Performance

Frequency Response	+/- 0.1 dB (20 Hz to 20 kHz)
Dynamic Range	15 dB tyo (unweighted)
CMMR	>60 dB (50 Hz to 10 kHz)
Crosstalk	< -100 dB
Distortion	0.002% (1 kHz @+4 dBu)

Digital Audio Performance

Processor	32-bit (40-bit extended)
Sampling Rate	96 kHz
Analog Converters	High Performance 24-bit
Propagation Delay	1.5 ms

Front Panel controls

Display	Backlit LCD 3x32
Level Meters	5 Segment LED
Buttons	Mute/Edit Controls One Touch Menu Controls
4 ways mMenu Controls	
Dial Encoder	Embedded Thumb Wheel

Connectors

Audio	3-pin XLR
USB	USB port
Power	Standard IEC Socket

General

Power	115/230 Vac /50/60 Hz)
Dimensions	483 x 44 x 203 mm (19" x 1.75" x 8")
Input and Output	

All specification are subject to change without notice.

DX Benefits

- 6-Band Parametric Equalizers for each Input and Outputut
- 'One Touch' easy access setup button
- Full 5-segment LEDs on every Input and Output
- USB and RS-485 interfaces for PC-Control and Configuration
- Original Neutrik XLR Connectors

- Full-Function Limiters on Output Channels
- Backlit 4-Line x 32 Character LCD Display
- Storage up to 30 Program Setups
- Pink Noise and Single Frequency Generator
- Safety Lock

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