

DL 2.6

PROFESSIONAL DIGITAL
LOUDSPEAKER MANAGEMENT SYSTEM



Front View



Rear View

The DL 2.6 digital loudspeaker management is a powerful and easy-to-operate processor. It adopts a switching power supply design and can automatically adjust the external power input from 95V to 250V, making it applicable anywhere in the world without any adjustments. The digital signal processor uses a high-precision DSP chip with 48-bit internal data processing, featuring an extremely high dynamic range and excellent sound quality. It is a 2-in/6-out processor with preset multi-way crossover modes: 2 x 2 + 2-way, 2 x 3-way, 4 x 2 + 2-way, 5+1-way and 6-way. Meanwhile, the signal source of each output channel can be freely selected. Each channel includes: gain, 8-Band parametric equalizer, crossover, delay, phase, and limiter.

There are 20 user storage modes in total, which can be controlled via RS232 or USB interface and dedicated software on a computer. It also supports remote control by a third-party central control system, offering powerful functions such as volume control and mute

Key Features

Balanced Input and Output

48-bit DSP Processing

9-band parametric EQs for each input

8-band parametric EQs for each output

2 crossover multi filter per output

Independent limiter for each output

Input and output monitoring (level, clip and limiter)

USB interface (input in the front panel)

Security lock with password

Remote control software for PC Windows only

Memory storage for 20 presets



Technical Specifications

Input	2 Channel electronically balanced
Output	6 Channel electronically balanced
Maximum Level	+15 dBm
Dynamic Range	>100 dB (20 Hz – 20 kHz)
Maximum Delay	500 milliseconds
Minimum Step	0.021 milliseconds
Gain	+12 dB ≈ -40 dB, step 0.1 dB
Parametric Equalizer	9 bands on Inputs & 8 bands on Outputs
Frequency Response	20 Hz – 22 kHz (± 0.2 dB)
Signal-to-Noise Ratio	110 dB typical (a weighted)
Distortion	<0.0029% @1K; 0 dBu
Audio interface	XLR Connector
Control Interface	RS232 DB-9; USB type – B
Working Power Supply	95~250V AC, 50/60Hz adaptive
Dimensions	483mm x 160mm x 45mm (H x W x D)
Weight	2.5 Kg

Safety Instructions

- When flying speakers, appropriate hardware and techniques must be employed for safely suspending the enclosures.
- All speaker hardware and flying apparatus must be regularly inspected for any visual or mechanical failure.
- Leave adequate distance between speakers and the audience. Refer to your local authority for Health and Safety guidance when using loudspeaker systems.
- The Louis Martin digital controller should only be programmed by an authorized technician. Do not use Louis loudspeaker systems without the correct controller and the program. If a system fails due to incorrect controller use, warranty is void.
- Protect your speakers and electronics from exposure to humidity, water or rain.
- The loudspeakers and electronics are covered against defects in workmanship or materials for a period of two years from the original date of purchase. The warranty does not cover any item which in Louis's opinion has failed due to user abuse, accident, modifications.
- The defective item will be repaired/replaced with no charge for materials or labour. However, the item should be adequately packed and dispatched, pre-paid, to a Louis authorized distributor/service