# technical specifications

**DIGITAL SYSTEMS CONTROLLER**
**2x6 SIGNAL PROCESSOR**

# MCS2.6

**product group:** **Digital Systems Controller**

## construction

The MCS2.6 is a Digital Systems Controller with user-assignable input/output configurations (2in/6out). Product-specific processing ensures compatibility with McCauley systems. Built-in crossover, EQ, and source-synchronization-delay, optimizes acoustics for any venue. Integrated functions also include driver alignment and protection. The MCS2.6 features 24-Bit A/D and D/A converters, >100 dB dynamic range, 20 Hz - 20 kHz frequency response.

**Features:**

**Driver Alignment and Protection**
**Integrated Crossover and EQ**
**Source Synchronization Delay**
**Extra-low Distortion**

## the idea behind it

The MCS2.6 is designed to be a central processing unit for McCauley loudspeaker enclosures. Precision coverage is obtained via multiple frequency controls and time delays. Settings can be stored for later use, making future setups quick and exact. The MCS2.6 optimizes band-gain and crossover points, and can be controlled by SMAART LIVE via MIDI or RS232 port.

**Applications:**

**Optimizing Acoustics for Any Venue**

## performance parameters

| | |
|---|---|
| **dynamic range** | typically 108dB, unweighted 22Hz - 22kHz |
| **noise floor** | -98dBu (default gain set -10dB) |
| **frequency response** | < 0.25dB, 15Hz - 20kHz @ +10dBu input level |
| **distortion (THD)** | <0.007%, 20Hz - 20kHz @ +10dBu input level |
| **inputs** | electronically balanced & floating |
| **input impedance** | 10k ohm |
| **maximum input level** | +20dBu, balanced |
| **outputs** | electronically balanced & floating |
| **maximum output level** | +10dBu into 600 ohm |
| **channel separation** | >80dB, 20Hz - 20kHz |
| **power supply** | AC Mains 50/60Hz, 90V - 264V |
| **power consumption** | <30VA |

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