

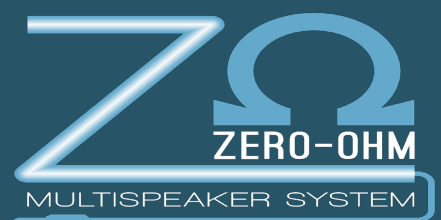
# User Manual

MS-4R

4000 W



**Zero-Ohm Systems**  
Transforming the laws of sound



## User Manual - Specifications

**ZERO-OHM** System is a passive device that interconnects between any amplifier and multiple loudspeakers without the concerns of amplifier speaker loads, impedance and extremely long cable runs.

This Patented Design **eliminates** the need for 70V-100V transformer products.

**Multiple loudspeakers** can be wired in a parallel connection to impedances below one (1) Ohm.



## Features

- Zero (0) Ohm functionality
- No Transformers required
- Multiple loudspeakers can be connected in parallel
- Any Speaker impedance can be used: 2/4/8/16 Ohm
- Uniform power distribution over long distance cable runs
- Full range frequency response
- Identical Output Phase relationship with all Power Amplifiers

## Applications

- Amusement Parks • Shopping Malls • Hotels • Airports • Amusement Parks • Stadiums • Cinemas • Banquet Halls • Cruise Ships • Outdoor Malls • Hospitals • Restaurants • Warehouses • Universities • Water Parks • Bars • and more.



# MS-4R

## 4000 W

### Acoustic Performance

Frequency Response: 20Hz - 20kHz

Frequency Range: 20Hz - 20kHz

Total Harmonic Distortion: *Reference chart below*

### Audio

Input / Output Connector: Neutrik NL4

Input Pin-Out: Pin 2+, Pin 2 -

Output Pin-Out: Pin 1+, Pin 1 -

Minimum Output Impedance: 0.1 Ohms

Max. Power Handling: 4000W

### Physical Properties

Height: 65.1mm

Width: 438.1 mm / 479.4mm with Rack Ears

Depth: 149.2 mm

Weight: 3.2 kg

Shipping Weight: 4kg (Including Packaging)

### Order Information

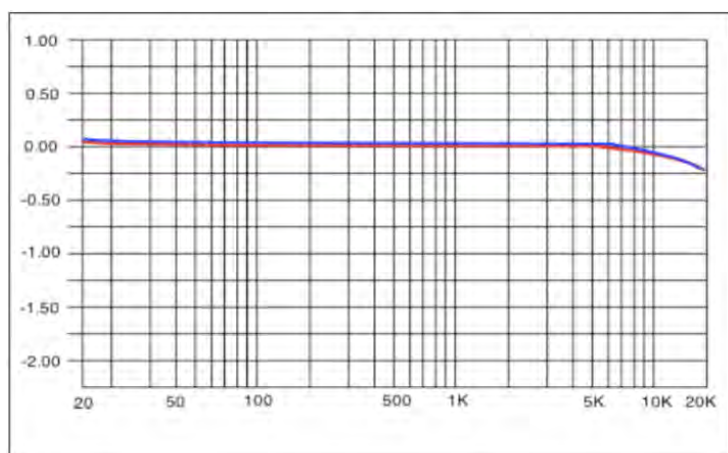
MS-4R Two Channel Rackmount System P/N: MS-4R

### Country of Origin

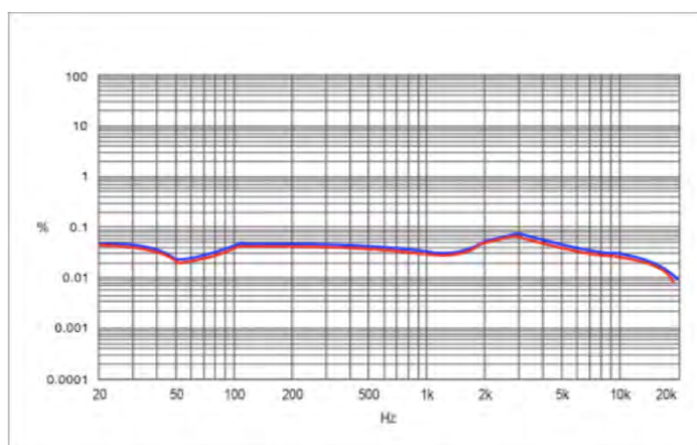
Made in Canada

*Since we are always striving to make our products better by incorporating new and improved materials, components and manufacturing methods, we reserve the right to change these specifications at any time without notice.*

Frequency Response: 100W RMS at 8 Ohms

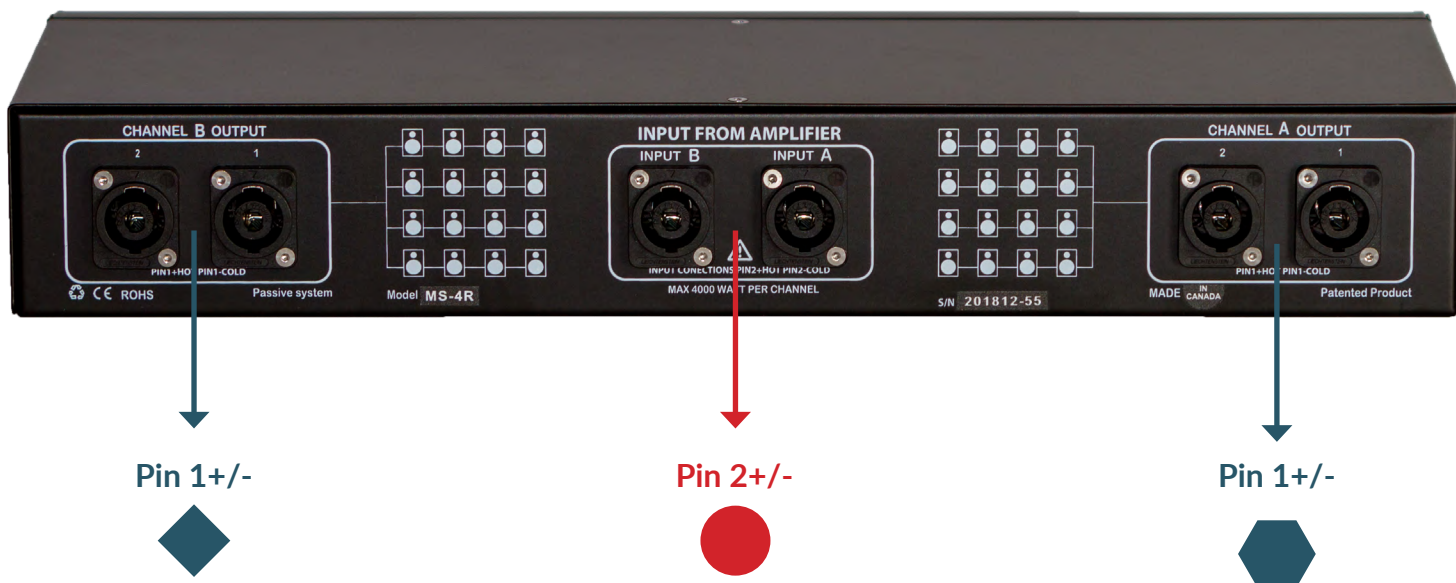


THD + N vs Frequency: 20W RMS at Complex Load



**Blue Line:** Typical Amplifier  
**Red Line:** Typical Amplifier thru Zero-Ohm System

### Back Panel SpeakONTM Connectors



### Acoustic Performance

- ◆ Output B / Pin 1+, Pin 1- / Zone 1 & 2 (to Loudspeakers)
- Input A,B / Pin +2, Pin 2- (from Amplifier)
- ⬡ Output A / Pin 1+, Pin 1- / Zone 1 & 2 (to Loudspeakers)

### Setup and Configuration (Example)

