

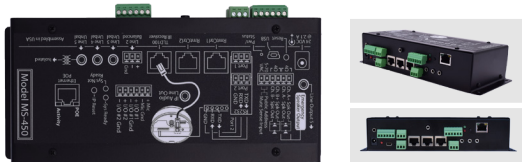


## Because audio systems should work with... paging, intercom and bells



The Optimum Classroom System is a **complete networked classroom amplification solution** that provides full, hands-free duplex audio and VoIP (Voice over Internet Protocol) based paging. Thanks to the revolutionary MS-450, paging and intercom functionalities\* are built right into the system. If the power goes out, designated speakers will receive power over Ethernet so paging can still be heard throughout the school.

### MS-450 Amplifier



- Line Inputs: For PC, DVD audio, MP3, auxiliary mic, or other multimedia sources
  - 1 Line balanced/unbalanced input (Euroblock)
  - 3 Line unbalanced stereo inputs (3.5 mm)
  - 1 Input connector for IR- Satellite
  - Internal Network Audio
- Line Outputs: 2 Unbalanced Line Outputs (RJ45 Connectors)
- Continuous Power @ 1% THD : 32 Watts (16 Watts (rms) per channel x 2 channels @ 4 ohms), backup amp powered by PoE
- RS-232, 3-pin screw terminal block header, RJ45 remote control port
  - (2) RS-232 communication ports: (1) to control the MS-450, and (2) to control another classroom device such as a projector
  - (2) Remote Control Ports: for integration with wall plate controls
- Power Input (Network): PoE 802.3at or 802.3af for IP interface

#### Optimum System features:

- Full, duplex audio
- Simple user interface software
- Intercom and paging functionality built-in
- During emergencies, paging can still be heard
- Redundant power source during power outages
- Compatible with SAFE Commander or other SIP-based bell or public announcement systems

\*Third party SIP License required.

# Optimum System

## Features / Specifications



### XD Teacher Microphone Features

- Auxiliary line level input connector allows for playback of any device using a standard 3.5 mm jack
- Can be used either with built-in clip or included lanyard
- Rechargeable Lithium-Ion Battery



### XD Receiver Features

- Adjustable for optimal coverage from small classrooms to cafes, gyms, and other large spaces
- Remote control via Teacher Microphone of both microphones and auxiliary levels
- Line level 3.5 stereo mini jack (monaural mix)
- RJ45 line level output, line level 3.5 mm stereo output
- Feedback blocker on both microphone channels



### Ceiling Speaker

- Frequency range of 70 Hz to 15 kHz (-10dB)
- Tuned ported enclosure provides superior bass response
- Integral C-clamp mounting



### Student Microphone (optional)

- Uni-Directional electret capsule increases microphone sensitivity
- Auxiliary line level input connector allows for playback of any device using a 3.5 mm jack
- Push-to-Talk function allows momentary microphone activation

Contact us today to learn more about Audio Enhancement's Optimum Classroom System.

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