

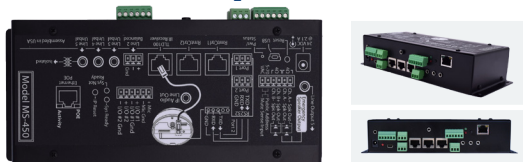


Because audio systems should work with... paging, intercom and bells



The Optimum Classroom System is a **complete networked classroom amplification solution** that provides full, hands-free duplex audio, VoIP (Voice over Internet Protocol) based paging and emergency notification. Thanks to the revolutionary MS-450, paging and intercom functionalities* are built right in to the system. If the power goes out, designated speakers will receive power over Ethernet so paging can still be heard throughout the school. With the included IR-Satellite, this unit can be installed as part of the SAFE (Security Alert For Education) System, allowing teachers to summon help using their teacher microphones.

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

SAFE System™
Compatible

*Third party SIP License required.



Features / Specifications

Teacher Microphone

- M.I.C. Intelligent Charge battery management system prevents overcharging
- 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
- SAFE alert function available for quick notification of administrators and first responders during an emergency

Receiver

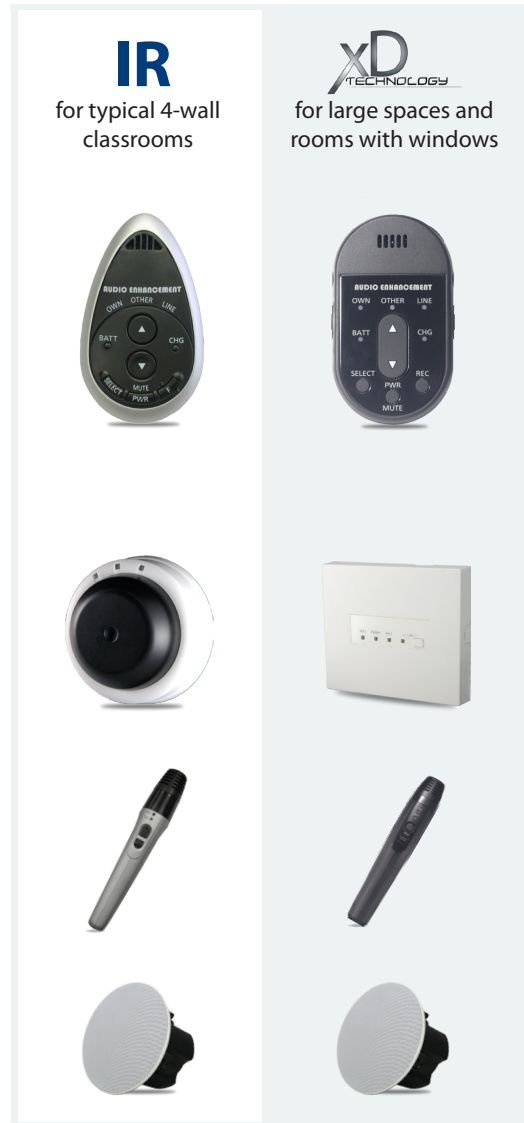
- Bi-directional remote control and status monitoring via RS-232
- Remote control via teacher microphone of both microphones and auxiliary levels
- Balanced, line-level outputs
- 3 independent outputs or one mixed output
- Feedback blocker on both microphone channels
- SAFE System enabled, LED light indicators

Student Microphone

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

Ceiling Speaker

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



SAFE System™
Compatible

The SAFE System (patent pending) is an alert notification system not intended to be a life-saving device or prevent emergencies. Audio Enhancement, our agents, employees, subsidiaries, affiliates and parent companies are exempt from liability for any loss, damage, injury or other consequence arising directly or indirectly from the application of our equipment. In the event of misuse or malfunction of the SAFE System or any of its components, Audio Enhancement, our agents, employees, subsidiaries, affiliates and parent companies are exempt from liability for any loss, damage, injury or other consequence arising directly or indirectly therefrom.

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

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