AMP523

Web Based Mini Stereo Amplifier

▶ **Features**

- 4 x Stereo line inputs
- 1 x Balanced microphone input
- Phantom power
- TCP/IP & RS-232 Control
- Stereo line output
- 2 x 15 Watt output power (1 x 30 Watt in Bridge)
- Class-D Technology
- Priority on microphone input
- Easy & Compact installation

▶ **Applications**

- Classrooms
- Meeting rooms
- Audiovisual installations
- Presentation rooms
- Residential applications
- Offices
- ...

The AMP523 is a Mini Stereo Amplifier with an Integrated web based control unit, featuring four stereo line inputs and one balanced microphone input with phantom power. It has an output power rating of 2 x 15 Watt.

The simple and compact but versatile functionalities makes it perfectly suited for small speaker systems requiring compact and economical audio solutions which are comprehensive and easily controllable. Some typical applications are classrooms where the audio system will be used in combination with a smartboard, offices and meeting rooms where the music should switch automatically from background music to speech or playback when the presentation starts, …. And many other similar applications.

The compact size and very high efficiency even makes it possible to hide it in a closet, on a false ceiling or mount it under a desk or table. The various stereo line inputs allow simultaneous connections for different sources such as Laptop's, CD or MP3 Players, Tablets, while having a microphone connected.

The switching between the inputs, volume regulation and other function controls can be done in multiple ways: an integrated website makes it possible to control all the functions from any computer with a web browser without requiring additional software, while the RS232 connection makes it possible to control the AMP523 with any device supporting serial communication, such as a computer or even a home or industrial automation system. Another option is to control the system through smartphones and tablets using the special developed Apps.

Optional MWX43 or MWX45 wall panels can be installed to control the signal routing and volume level from one or multiple fixed locations.

▶ **Specifications**

SYSTEM SPECIFICATIONS		
RMS Power @ 4 Ohm Stereo		2 x 15 Watt
RMS Power @ 8 Ohm Stereo		2 x 7.5 Watt
RMS Power @ 8 Ohm Bridge		30 Watt
Inputs		4 x Stereo Balanced Line (18-pin Euro Terminal Block - 3.81 mm)
		1 x Balanced Microphone (18-pin Euro Terminal Block - 3.81 mm)
		RS-485 + Differential audio (RJ45)
		RS-232 (SUBD9)
		Ethernet (RJ45)
Outputs		1 x Stereo Loudspeaker (4-pin Euro Terminal Block - 5.08 mm)
Line input	Impedance	20 k Ohm
	Sensitivity	- 10 dBV ~ +4 dBV
Microphone input	Impedance	47 k Ohm
	Sensitivity	- 45 dBV ~ -20 dBV
THD+N at 1 kHz		< 0.1 %
Crosstalk		< -75 dB
Signal / Noise ratio		> 95 dB
Standby power consumption		< 3.0 Watt (PSD242 included)
Efficiency		87%
Cooling		Passive
Protection		Over-Heat / Short circuit / Limiter
Control		RS-232
		TCP/IP
		RS-485
PRODUCT FEATURES		
Dimensions (Width x Height x Depth)		108 x 44 x 164 mm
Weight net		0.81 Kg
Power supply		24V DC (PSD242 switching power supply included 100 ~ 240V AC / 47 ~ 63 Hz)
SHIPPING & ORDERING		
Packaging		Carton box
Shipping weight & volume		1.13 Kg - 0.0078 Cbm
Accessories included		PSD242 - Power supply 24V / 2.7 A
Optional accessories		MWX43/45 Wall Controller
		WMI18/22 & WLI18/22 Wall input unit
		MBS200 Wall Mounting Bracket
		TR3030 100V Transformer 30 Watt

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