AMP523MK2
Web-based mini stereo amplifier 2 x 15W
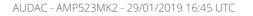
Highlights:

- Compatible with AUDAC Touch™
- RS232 & TCP/IP control port
- 4 unbalanced stereo line inputs
- 1 x Microphone input
- Priority audio inputs with phantom power
- Lightweight class-D amplifier
- S-box™ modular multifunctional enclosure

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 make 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 laptops, CD or MP3 players and 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 AUDAC Touch™ app. Using this freely available application for smart devices guarantees total system control and configuration from any device on any location and at any time. To make the installation even more complete, an optional MWX43 or MWX45 wall panel can be installed to control the signal routing and volume level from one or multiple fixed locations. The Class-D amplifier technology, standby mode and included switching power supply makes this device compliant to the highest energy efficiency and environmental requirements. A variety of optionally available mounting brackets for the AUDAC S-Box product range are allowing desk, closet or 19" equipment rack installation.

Applications:

- Education
- Corporate spaces
- Residential

AUDAC - AMP523MK2 - 29/01/2019 16:45 UTC

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.   Page 1 of 3

System specifications:

RMS Power	@ 4 Ω Stereo		2 x 15 W
	@ 8 Ω Stereo		2 x 7.5 W
	Satellite	@ 8 Ω Bridge	30 W
Inputs	Unbalanced Stereo	Type	4 x Stereo Unbalanced Line
	Balanced Stereo	Connector	18-pin Euro Terminal Block (Pitch - 3.81 mm)
		Impedance	20 kΩ
		Sensitivity (1W/1m)	-10 dBV ~ +4 dBV
	Balanced Microphone	Type	1 x Balanced Microphone
		Connector	18-pin Euro Terminal Block (Pitch - 3.81 mm)
		Impedance	47 kΩ
		Sensitivity (1W/1m)	-45 dBV ~ -20 dBV
	Other	Type	1 x RS-485 + Differential audio
		Connector	RJ45
		Type	1 x RS-232
		Connector	SUBD9
		Type	1 x Ethernet
		Connector	RJ45
Outputs	Type		1 x Stereo Loudspeaker
	Connector		4-pin Euro Terminal Block (Pitch - 5.08 mm)
THD+N (@ 1 kHz)			< 0.1%
Crosstalk (@ 1 kHz)			< -75 dB
Signal / Noise			> 95 dB
Power	Consumption	Standby	< 3.0 W (PSD242 included)
	Supply		24V DC (PSD241 switching Power supply included 100 ~ 240V AC / 47 ~ 63 Hz)
Efficiency			87%
Cooling			Passive
Protection			Over heating
			DC Short circuit
			Limiter
Control			RS-232
			TCP/IP
			RS-485

AUDAC - AMP523MK2 - 29/01/2019 16:45 UTC

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.   Page 2 of 3

Product Features:

Dimensions		108 x 44 x 165 mm (W x H x D)
Weight		0.81 kg
Accessories	Included	PSD241 - Power supply 24V / 1.67 A (Efficiency Level V)
	Optional	Wall Controller (MWX43/45)
		WMI18/22 & WLI18/22 Wall input unit
		MBS1xx Wall mounting brackets
		TR3030 100V Transformer 30 W

AUDAC - AMP523MK2 - 29/01/2019 16:45 UTC

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.   Page 3 of 3