

AV INTEGRATION MICRO-AMPLIFIER



The CA40 is a stereo amplifier with a tiny size but amazing remote control features: serial RS-232 port, IR receiver and 0-10 VDC remote port. It's an ideal solution in those audiovisual applications which require integration with external control devices: education classrooms, meeting rooms, multimedia presentations, retail shops, etc.

Key features

- 2 x 20 W RMS @ 4 Ω amplifier
- External, universal power supply
- AUTO STANDBY function
- Light and silent (fanless) design
- STEREO, PARALLEL and BRIDGE modes
- 1 balanced MIC input, with Phantom power and high-class preamp, including noise gate and talkover function over the rest of inputs
- 2 unbalanced LINE inputs
- 2-band tone control (Bass, Treble) independent, for the MIC and LINE buses
- AUX output for external link to other devices or amplifiers
- Digital local control, encoder type
- Infrared remote control included
- Remote control compatible with WpMvOL and WpMvOL-SR wall panels (0-10 VDC)
- RS-232 control port compatible with CA-NET protocol
- MUTE port for external muting of the unit when an evacuation system must be activated
- Presets / sources management via RS-232 or 0-10 VDC remote control port

Accessories

- WpM series wall panel controls
- MPAGE1 desktop paging station

Recommended loudspeaker selection

- AUDEO series
- AMBIT series
- IC in-ceiling series
- ICPLUS in-ceiling series

Technical Characteristics

CA40

POWER	STEREO	2x18W @ 4Ω - 1% THD 2x22W @ 4Ω - 10% THD 2x10W @ 8Ω - 1% THD 2x12W @ 8Ω - 10% THD
	BRIDGE	1x36W @ 8Ω - 1% THD 1x44W @ 8Ω - 10% THD
Frequency response		20Hz - 50kHz (-3dB)
THD+Noise @ 1kHz Full Pwr. SPKR OUT		< 0.15%
THD+Noise AUX OUT		< 0.02%
Channel crosstalk @ 1kHz		> 55dB
Inputs Sensitivity nom/Impedance	LINE 1	0dBV (-6dBV*) / > 8kΩ
	LINE 2	0dBV (-6dBV*) / > 8kΩ
	MIC (BAL)	-20 to -50dBV / > 1kΩ
	MICRO (BAL)	> 65dB @ 1kHz
CMRR		> 65dB @ 1kHz
Outputs Level/Minimum Load		AUX OUT -6dBV / 10kΩ
Tone control (LINE & MIC)		BASS 100Hz ± 10dB
		TREBLE 6KHz ± 10dB
Signal Noise Ratio	LINE	> 85dB
	MIC (BAL)	> 65dB

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Talkover	TIME	2 Seconds
	DEPTH	-30dB
Microphone Noise Gate		40dB below max.
Phantom voltage		+24VDC / 10mA max.*
RS232	BAUD RATE	9600 (fixed)
	DATA	8 bits
	PARITY	NONE
	STOP BITS	1
	FLOW CTRL	NONE
ANALOG REMOTE (0-10V. based)		Volume & Input selection
INFRARED REMOTE		Volume & Mute
Mains (using Meanwell GS60A24-P1J)		90-264VAC / 47-63Hz
Power consumption	(pink noise, 1/8 power @ 4ohm)	21VA / 7W
	(pink noise, 1/3 power @ 4ohm)	32VA / 13W
Dimensions WxDxH		155x155x45 mm
Weight		0.65 Kg

*Internally selectable

Applications

- Classrooms
- Meeting rooms
- Multimedia presentations (in combination with video projectors, screens, etc.)
- Retail shops
- Museums and exhibitions
- Integrated AV systems with central remote control system (Crestron®, Extron®, AMX®, etc.)