

CA40

COMPACT AMPLIFIERS

AV Integration Micro-Amplifier



PRODUCT OVERVIEW

The CA40 is a 2 x 20 WRMS @ 4Ω stereo amplifier with a tiny size but amazing remote control features: serial RS-232 port, IR receiver and 0-10 VDC remote port.

KEY FEATURES

- 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 busses
- 2 x 20 WRMS @ 4Ω amplifier with STEREO, PARALLEL and BRIDGE output modes
- 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 EclerCOMM software and 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
- AUTO STANDBY function
- Light and silent (fanless) design

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.)

TECHNICAL DATA

Power		
	STEREO	2x18W@4Ω 1% THD 2x22W@4Ω 10% THD 2x10W@8Ω 1% THD 2x12W@8Ω 10% THD
	MONO	-
	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
	LINE 3	-
	MIC (BAL)	-20 to -50dBV/>1kΩ
CMRR		
	MICRO (BAL)	>65dB @ 1kHz
High Pass Filter		
		-
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
Talkover		
	TIME	2 Sec.
	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	21VA / 7W
	pink noise, 1/3 power	32VA / 13W
	Stand By (time 2 minutes)	<3W
Dimensions WxDxH		
		155x155x45mm
Weight		
		650g

*Internally selectable

**Software selectable

MECHANICAL DIAGRAMS

