

## 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

<b>Power</b>		
	<b>STEREO</b>	2x18W@4Ω 1% THD 2x22W@4Ω 10% THD 2x10W@8Ω 1% THD 2x12W@8Ω 10% THD
	<b>MONO</b>	-
	<b>BRIDGE</b>	1x36W@8Ω 1% THD 1x44W@8Ω 10% THD
	<b>Frequency response</b>	20Hz - 50kHz (-3dB)
	<b>THD+Noise @ 1kHz Full Pwr. SPKR OUT</b>	< 0.15%
	<b>THD+Noise AUX OUT</b>	< 0.02%
	<b>Channel crosstalk @ 1kHz</b>	>55dB
<b>Inputs Sensitivity nom/Impedance:</b>		
	<b>LINE 1</b>	0dBV (-6dBV*)/>8kΩ
	<b>LINE 2</b>	0dBV (-6dBV*)/>8kΩ
	<b>LINE 3</b>	-
	<b>MIC (BAL)</b>	-20 to -50dBV/>1kΩ
<b>CMRR</b>		
	<b>MICRO (BAL)</b>	>65dB @ 1kHz
<b>High Pass Filter</b>		
		-
<b>Outputs Level/Minimum Load</b>		
	<b>AUX OUT</b>	>-6dBV/10kΩ
<b>Tone control (LINE &amp; MIC)</b>		
	<b>BASS</b>	100Hz ±10dB
	<b>TREBLE</b>	6KHz ±10dB
<b>Signal Noise Ratio</b>		
	<b>LINE</b>	>85dB
	<b>MIC (BAL)</b>	>65dB
<b>Talkover</b>		
	<b>TIME</b>	2 Sec.
	<b>DEPTH</b>	-30dB
	<b>Microphone Noise Gate</b>	40dB below max.
	<b>Phantom voltage</b>	+24VDC/10mA max.*
<b>RS232</b>		
	<b>BAUD RATE</b>	9600 (fixed)
	<b>DATA</b>	8 bits
	<b>PARITY</b>	NONE
	<b>STOP BITS</b>	1
	<b>FLOW CTRL</b>	NONE
	<b>ANALOG REMOTE (0-10V. based)</b>	Volume & Input selection
	<b>INFRARED REMOTE</b>	Volume & Mute
	<b>Mains (using Meanwell GS60A24-P1J)</b>	90-264VAC 47-63Hz
<b>Power consumption</b>		
	<b>pink noise, 1/8 power</b>	21VA / 7W
	<b>pink noise, 1/3 power</b>	32VA / 13W
	<b>Stand By (time 2 minutes)</b>	<3W
<b>Dimensions WxDxH</b>		
		155x155x45mm
<b>Weight</b>		
		650g

\*Internally selectable

\*\*Software selectable

MECHANICAL DIAGRAMS

