

# CA SERIES

CA40, CA120, CA120 HZ

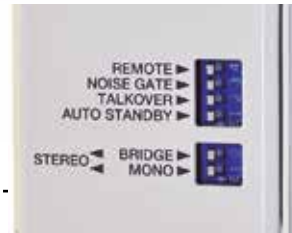
AV INTEGRATION MICRO-AMPLIFIERS

PRODUCT



The **CA40** and **CA120** are stereo amplifiers with a tiny size but amazing remote control features: serial RS-232 port, IR receiver and 0-10 VDC remote port.

**CA120HZ** is the high impedance version of the CA120, delivering 120W @ 70/100V line level, a technology which is especially suitable for long loud-speaker wire runs and/or an amount of loudspeaker units far beyond the 2 or 4 units typically connected to a low impedance amplifier. They're an ideal solution in those audiovisual applications which require integration with external control devices: education classrooms, meeting rooms, multimedia presentations, retail shops, etc.



CA40 configuration switches

## Technical Characteristics

	CA40	CA120	CA120Hz
<b>POWER</b>	STEREO	2x18W @ 4Ω - 1% THD	2x56W @ 4Ω 1% THD
		2x22W @ 4Ω - 10% THD	2x68W @ 4Ω 10% THD
		2x10W @ 8Ω - 1% THD	2x34W @ 8Ω 1% THD
		2x12W @ 8Ω - 10% THD	2x41W @ 8Ω 10% THD
	BRIDGE	1x36W @ 8Ω - 1% THD	
MONO	1x44W @ 8Ω - 10% THD	96W @ 100Ω 1% THD	
<b>POWER (100V OUTPUT)</b>			
<b>Frequency response</b>	20Hz - 50kHz (-3dB)	15Hz - 30kHz (-3dB)	50Hz - 30kHz (-3dB)
<b>THD+Noise @ 1kHz Full Pwr. SPKR OUT</b>		< 0.15%	< 0.09%
<b>THD+Noise AUX OUT</b>		< 0.02%	
<b>Channel crosstalk @ 1kHz</b>	> 55dB		
<b>Inputs Sensitivity nom/Impedance</b>	LINE 1	0dBV (-6dBV*) / > 8kΩ	
	LINE 2	0dBV (-6dBV*) / > 8kΩ	
	LINE 3	0dBV (-6dBV*) / > 8kΩ	
	MIC (BAL)	-20 to -50dBV / > 1kΩ	
	MICRO (BAL)	> 65dB @ 1kHz	
<b>CMRR</b>		50Hz - 70Hz	
<b>High Pass Filter</b>		50Hz - 70Hz	
<b>Outputs Level/Minimum Load</b>	AUX OUT	-6dBV / 10kΩ	-2dBV / 10kΩ

	CA40	CA120	CA120Hz
<b>Tone control (LINE &amp; MIC)</b>	BASS	100Hz ± 10dB	
	TREBLE	6KHz ± 10dB	
<b>Signal Noise Ratio</b>	LINE	> 85dB	> 70dB
	MIC (BAL)	> 65dB	> 50dB
<b>Talkover</b>	TIME	2 Seconds	2 Sec.**
	DEPTH	-30dB	-30dB**
<b>Microphone Noise Gate</b>		20-30dB below max.**	
<b>Phantom voltage</b>		+24VDC / 10mA max.*	
<b>RS232</b>	BAUD RATE	9600 (fixed)	
	DATA	8 bits	
	PARITY	NONE	
	STOP BITS	1	
	FLOW CTRL	NONE	
<b>ANALOG REMOTE (0-10V. based)</b>		Volume & Input/preset** selection	
<b>INFRARED REMOTE</b>		Volume & Mute	
<b>DC Supply</b>		24V	
<b>Mains (using Meanwell GS60A24-P1J)</b>		90-264VAC / 47-63Hz	
<b>Mains (Using supplied DC adapter)</b>		90-264VAC 47-63Hz	
<b>Power consumption</b>	[pink noise, 1/8 power @ 4Ω]	21VA / 7W	33VA/24W
	[pink noise, 1/3 power @ 4Ω] Stand By (time 2 minutes)	32VA / 13W < 3W	58VA/52W < 2.5W
<b>Dimensions WxDxH</b>	155x155x45 mm	160x210x48mm	160x325x48mm
<b>Weight</b>	0.65 Kg	950g	2.92Kg

\*Internally selectable \*\* Software selectable



Free EclerCOMM Manager software application available

### Main characteristics

- 2 x 20 W RMS @ 4 Ω amplifier (CA40)
- 2 x 60 W RMS @ 4 Ω amplifier (CA120)
- 1 x 120 W RMS @ 70/100V (CA120HZ)
- External, universal power supply
- AUTO STANDBY function
- Light and silent (fanless) design
- STEREO, PARALLEL and BRIDGE output modes for CA40
- STEREO / PARALLEL output modes for CA120
- MONO output mode for CA120HZ
- 1 balanced MIC input, with Phantom power and high-class preamp, including noise gate and talkover function over the rest of inputs (CA40)
- 1 balanced MIC / ST LINE unbalanced input, with Phantom power and high-class preamp, including noise gate and talkover function over the rest of inputs (CA120 and CA120HZ)
- 2 unbalanced LINE inputs
- 2-band tone control (Bass, Treble) independent, for the MIC/LINE 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

### 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.)