

CA SERIES

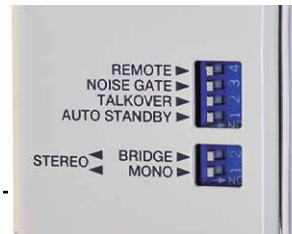
CA40, CA120, CA120 HZ

AV INTEGRATION MICRO-AMPLIFIERS



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	CA40	CA120	CA120Hz
POWER	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				
		1x44W @ 8Ω - 10% THD				
POWER (100V OUTPUT)			96W @ 100Ω 1% THD			
Frequency response	20Hz - 50kHz (-3dB)	15Hz - 30kHz (-3dB)	50Hz - 30kHz (-3dB)			
THD+Noise @ 1kHz Full Pwr. SPKR OUT		< 0.15%	< 0.09%			
THD+Noise AUX OUT			< 0.02%			
Channel crosstalk @ 1kHz	> 55dB	> 65dB				
Inputs Sensitivity nom/Impedance	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			
CMRR						
High Pass Filter			50Hz - 70Hz			
Outputs Level/Minimum Load	AUX OUT	-6dBV / 10kΩ	-2dBV / 10kΩ			
Tone control (LINE & MIC)	BASS				100Hz ± 10dB	
	TREBLE				6KHz ± 10dB	
Signal Noise Ratio	LINE				> 85dB	> 70dB
	MIC (BAL)				> 65dB	> 50dB
Talkover	TIME				2 Seconds	2 Sec.**
	DEPTH				-30dB	-30dB**
Microphone Noise Gate					20-30dB 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/preset** selection	
INFRARED REMOTE					Volume & Mute	
DC Supply					24V	
Mains (using Meanwell GS60A24-P1J)					90-264VAC / 47-63Hz	
Mains (Using supplied DC adapter)					90-264VAC 47-63Hz	
Power consumption	[pink noise, 1/8 power @ 4Ω]	21VA / 7W			58VA/52W	33VA/24W
	[pink noise, 1/3 power @ 4Ω] Stand By (time 2 minutes)	32VA / 13W < 3W			< 2.5W	
Dimensions WxDxH		155x155x45 mm	160x210x48mm		160x325x48mm	
Weight		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.)