

CA120HZ

COMPACT AMPLIFIERS

AV Integration Micro-Amplifier



PRODUCT OVERVIEW

CA120HZ is the high impedance version of the CA120, delivering 120W @ 70/100V line level, a technology which is especially suitable for long loudspeaker wire runs and/or an amount of loudspeaker units far beyond the 2 or 4 units typically connected to a low impedance amplifier. Under its tiny size, it features an amazing set of 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

- 1 balanced MIC/LINE 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/LINE and LINE busses
- 2 x 60 WRMS @ 4Ω stereo amplifier
- 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

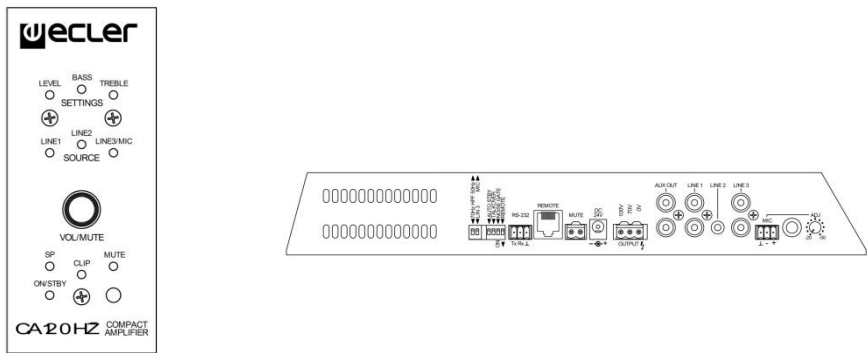
APPLICATIONS

- 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.)

CERTIFICATIONS

- EN60065:2014
- EN55103-1:2009
- EN55103-2:2009
- 2006/95/EC
- 2004/108/CE

MECHANICAL DIAGRAMS



TECHNICAL DATA

Power		
	STEREO	-
	MONO	96W @ 100Ω 1% THD
	BRIDGE	-
Frequency response		
		50Hz - 30kHz (-3dB)
THD+Noise @ 1kHz Full Pwr. SPKR OUT		
		<0.09%
THD+Noise AUX OUT		
		< 0.02%
Channel crosstalk @ 1kHz		
		>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
CMRR		
	MICRO (BAL)	>65dB @ 1kHz
High Pass Filter		
		50Hz - 70Hz
Outputs Level/Minimum Load		
	AUX OUT	>-6dBV/10kΩ
Tone control (LINE & MIC)		
	BASS	100Hz ±10dB
	TREBLE	6KHz ±10dB
Signal Noise Ratio		
	LINE	>70dB
	MIC (BAL)	>50dB
Talkover		
	TIME	2 Sec.**
	DEPTH	-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
Mains (using Meanwell GS60A24-P1J)		
		90-264VAC 47-63Hz
Power consumption		
	pink noise, 1/8 power	33VA / 24W
	pink noise, 1/3 power	58VA / 52W
	Stand By (time 2 minutes)	<2.5W
Dimensions WxDxH		
		160x325x48mm
Weight		
		2,92Kg
*Internally selectable **Software selectable		