

CA120

COMPACT AMPLIFIERS

AV Integration Micro-Amplifier



PRODUCT OVERVIEW

The CA120 is a 2 x 60 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. 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 CANET 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.)

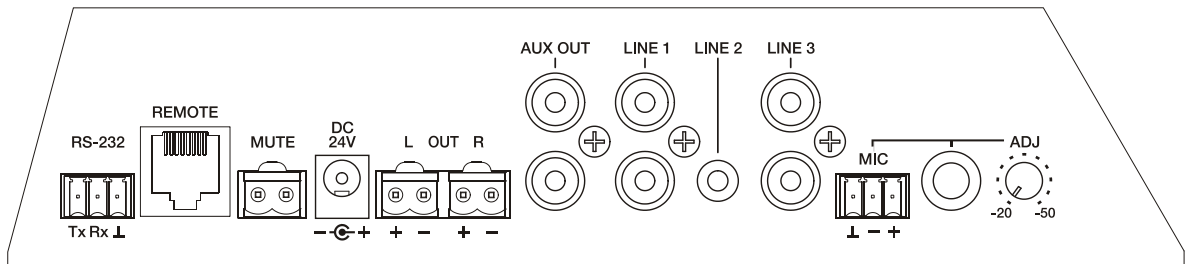
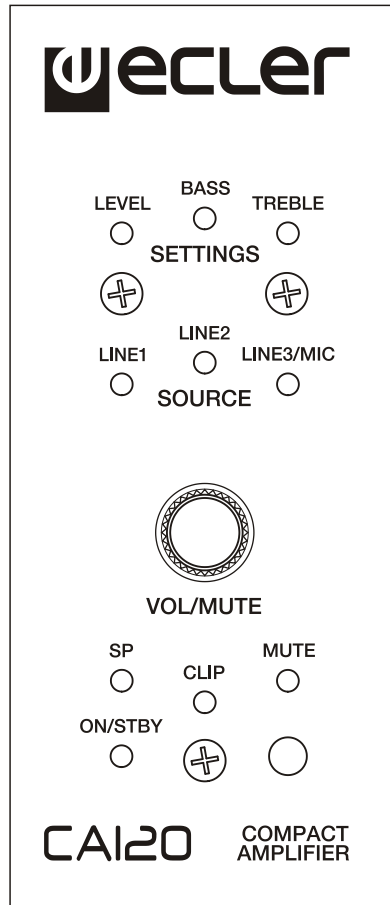
TECHNICAL DATA

Power		
	STEREO	2x56W@4Ω 1% THD
		2x68W@4Ω 10% THD
		2x34W@8Ω 1% THD
		2x41W@8Ω 10% THD
Frequency response 15Hz - 30kHz (-3dB)		
THD+Noise @ 1kHz Full Pwr. SPKR OUT < 0.15%		
THD+Noise AUX OUT < 0.02%		
Channel crosstalk @ 1kHz >65dB		
Inputs Sensitivity nom/Impedance:		
	LINE 1	-6dBV (0dBV*)/>8kΩ
	LINE 2	-6dBV (0dBV*)/>8kΩ
	LINE 3	-6dBV (0dBV*)/>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	>85dB
	MIC (BAL)	>65dB
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
Analogue remote (0-10V. based)		
		Volume & Input/preset** selection
Infrared remote		
		Volume & Mute
Mains (using supplied DC adapter 24V)		
		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 160x210x48mm		
	Weight	950g

*Internally selectable: factory settings -6dB from Serial Number 23503XXXX

**Software selectable

MECHANICAL DIAGRAMS



All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.
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