

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 @ 4 Ω 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 WpaVOL and WpaVOL-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 SPECIFICATIONS

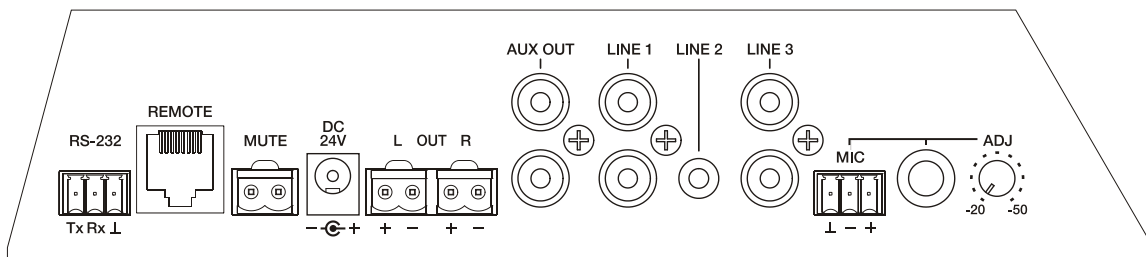
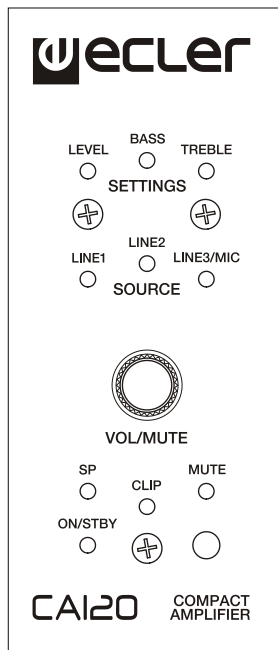
CA120		
Power		
STEREO		2x56W@4Ω 1% THD 2x68W@4Ω 10% THD 2x34W@8Ω 1% THD 2x41W@8Ω 10% THD
Frequency response		15Hz - 30kHz (-3dB)
THD+Noise @ 1kHz Full Pwr. SPKR OUT		< 0.15%
THD+Noise AUX OUT		< 0.02%
Channel crosstalk @ 1kHz		>65dB
Inputs Sensitivity nom/Impedance:		
LINE 1		-6dBV (0dBV*)/>8kΩ
LINE 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)		100-240VAC 50/60Hz + External PSU 24VDC
Power consumption		
pink noise, 1/8 power		33VA / 24W
pink noise, 1/3 power		58VA / 52W
Stand By (time 2 minutes)		<2.5W

General	
Dimensions WxDxH	160x210x48mm
Weight	950g

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

**Software selectable

MECHANICAL DIAGRAM



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.

For technical requests address to your supplier, distributor or fill the contact form in our website, at Support / Technical Request.

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