

## 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 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

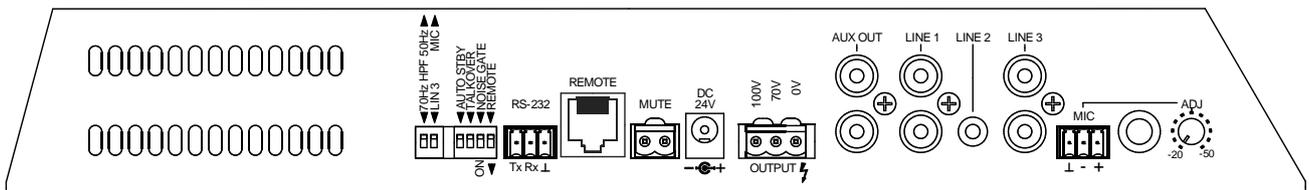
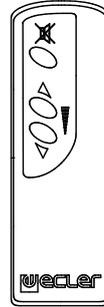
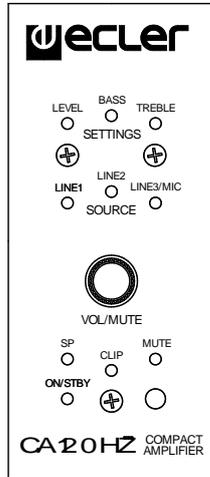
### APPLICATIONS

- 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

<b>Power</b>	
STEREO	-
MONO	96W @ 100Ω 1% THD
BRIDGE	-
<b>Frequency response</b> 50Hz - 30kHz (-3dB)	
THD+Noise @ 1kHz Full Pwr. SPKR OUT	<0.09%
THD+Noise AUX OUT	< 0.02%
Channel crosstalk @ 1kHz	>65dB
<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
<b>CMRR</b>	
MICRO (BAL)	>65dB @ 1kHz
High Pass Filter	50Hz - 70Hz
<b>Outputs Level/Minimum Load</b>	
AUX OUT	>-6dBV/10kΩ
<b>Tone control (LINE &amp; MIC)</b>	
BASS	100Hz ±10dB
TREBLE	6KHz ±10dB
<b>Signal Noise Ratio</b>	
LINE	>70dB
MIC (BAL)	>50dB
<b>Talkover</b>	
TIME	2 Sec.**
DEPTH	-30dB**
Microphone Noise Gate	20-30dB below max.**
Phantom voltage	+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>Mains (using Meanwell GS60A24-P1J)</b> 90-264VAC 47-63Hz	
<b>Power consumption</b>	
pink noise, 1/8 power	33VA / 24W
pink noise, 1/3 power	58VA / 52W
Stand By (time 2 minutes)	<2.5W
<b>Dimensions WxDxH</b> 160x325x48mm	
<b>Weight</b> 2,92Kg	
*Internally selectable	**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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