

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

- 1x120 WRMS @ 70/100V
- 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
- 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

- Retail
- Education
- Leisure
- Corporate
- Sports & Wellness

ACCESSORIES AND COMPATIBLE DEVICES

- WPaVOL
- WPaVOL-SR

TECHNICAL SPECIFICATIONS

CA120HZ	
Power (100V output)	96W @ 100Ω 1% THD
Frequency response	50Hz – 30kHz (-3dB)
THD + Noise@1kHz Full Pwr. SPKR OUT	<0.09%
THD+Noise AUX OUT	<0.02%
Channel crosstalk@1kHz	>65dB
Input sensitivity / Nom. Impedance	LINE1: 0dBV (-6dBV*) / >8k LINE2: 0dBV (-6dBV*) / >8k LINE3: 0dBV (-6dBV*) / >8k MIC (BAL): -20 to -50dBV / >1k
CMRR	MIC (BAL): >65dB@1kHz
High pass filter	50Hz-70Hz
Output level / Minimum load	AUX OUT: >-6dBV / 10k a
Tone control (LINE & MIC)	BASS: 100Hz±10dB TREBLE: 6kHz±10dB
Signal Noise Ratio	LINE: >70dB MIC(BAL): >50dB
Talkover	
Time	2sec.**
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
Remote Controls	
Analog Remote (0-10V based)	Volume & Input / Preset selection**
Infrared Remote	Volume & Mute
Supply	
DC Supply	24 VDC
Mains (using Meanwell GS60A24-P1J)	100-240VAC 50-60Hz
Power Consumption	
Pink noise, 1/8 power	33VA / 24W
Pink noise, 1/3 power	58VA / 52W
Standby (time 2 min.)	<2.5W
Mechanical	
Dimensions (WxHxD)	160x325x48mm / 6.3"x12.8"x1.9"
Weight	3.1 kg. / 6.83 lb.

*Internally selectable

**Selectable via software

MECHANICAL DIAGRAM

