

KEY FEATURES

- 1 x 96W RMS @ 70/100V amplifier
- Universal external power supply
- AUTO STANDBY function: in the absence of an audio signal the unit automatically goes into STANDBY mode, minimising power consumption
- Lightweight, silent, high-performance amplifier (fan-free convection cooling)
- 1 switchable balanced mic / unbalanced line input, with high quality microphone preamplifier, phantom power supply, noise gate and “talkover” function or priority over the rest of input
- 2 stereo lines (unbalanced)
- 2-band independent tone control (Bass, Treble) for the microphone / line 3 and line 1&2 input connection.
- Auxiliary output for liaison with other amplifiers or external audio devices
- Local control by digital rotary knob (“encoder”)
- Remote control by infrared remote control
- Remote control by WPaVOL or WPaVOL-SR (0-10 VDC) wall panel
- RS-232 control port, compatible with EclerCOMM software (free) and control protocol CA-NET
- MUTE port to silence the entire unit by closing external contact

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

CA120HZ

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
Analogue remote (0-10V. based)	Volume & Input/preset** selection
Infrared remote	Volume & Mute
Mains (using Meanwell GS60A24-P1J)	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

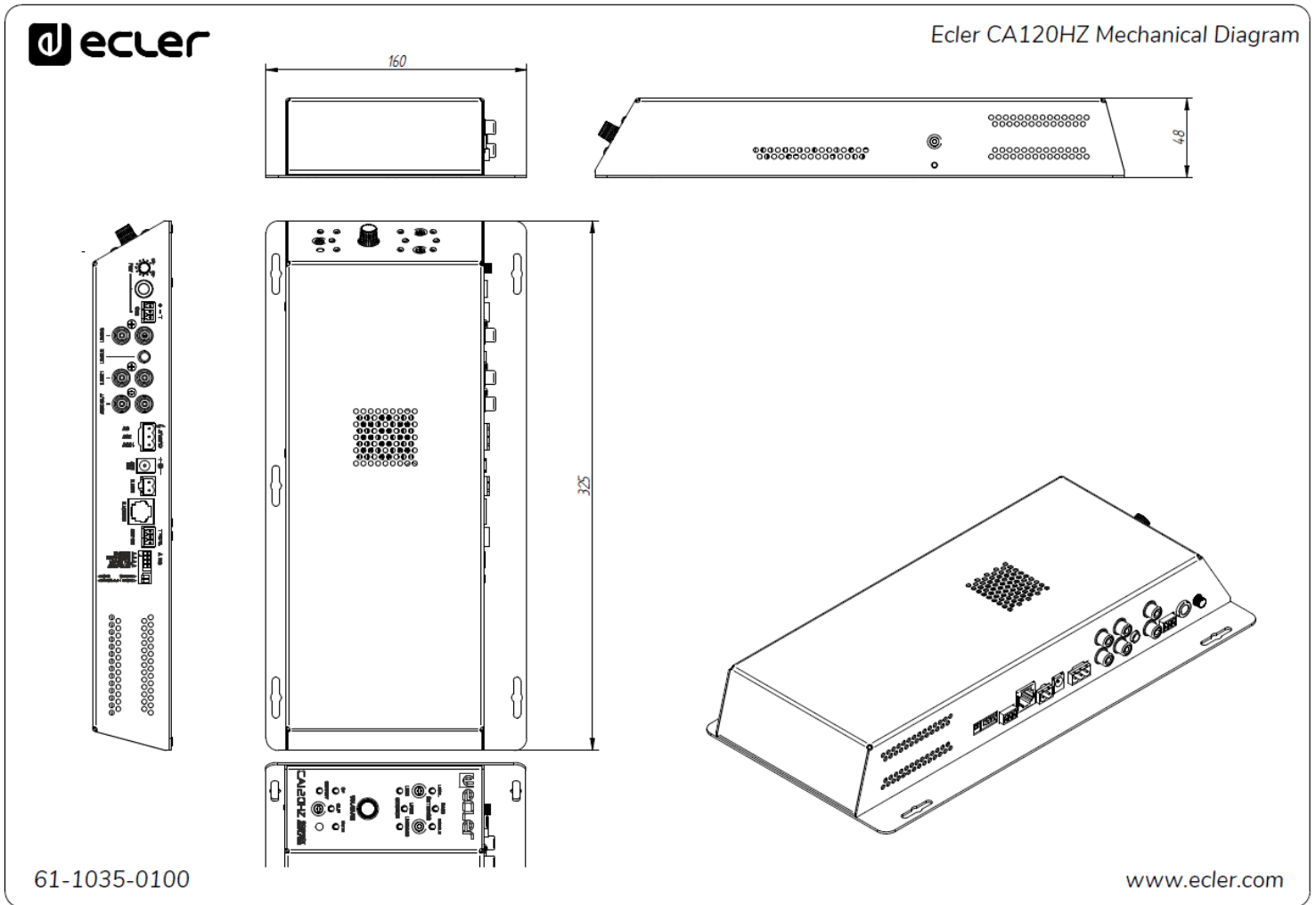
General

Dimensions (WxHxD)	160 x 48 x 325 mm / 6.3 x 1.89 x 12.8 in.
Weight	2,92Kg / 6.44 lb
Shipping Dimensions (WxHxD)	450 x 60 x 220 mm / 17.72 x 2.36 x 8.66 in.
Shipping Weight	3.8 kg / 8.38 lb

*Internally selectable

**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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