

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

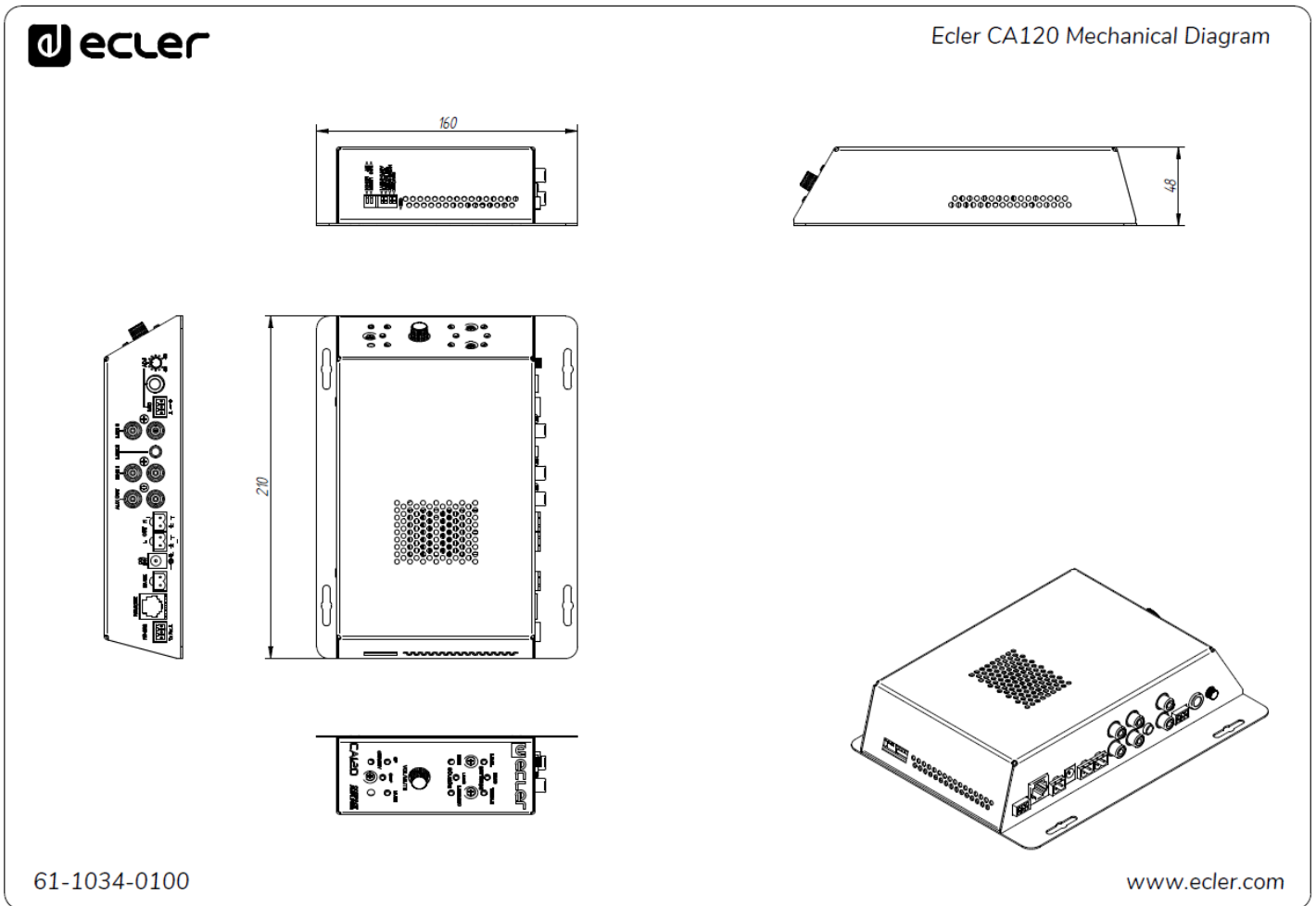
| | | |
|---------------------------------------|--|--|
| Power | | |
| STEREO | | 2x56W@4Ω 1% THD 2x68W@4Ω 10% THD 2x34W@8Ω 1% THD 2x41W@8Ω 10% THD |
| Frequency response | | 15Hz - 30kHz (-3dB) |
| THD+Noise @ 1kHz Full Pwr. SPKR OUT | | < 0.15% |
| THD+Noise AUX OUT | | < 0.02% |
| Channel crosstalk @ 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 (WxHxD) | 160 x 48 x 210 mm / 6.3 x 1.89 x 8.27 in |
| Weight | 950 g / 2.1 lb |
| Shipping Dimensions (WxHxD) | 340 x 60 x 220 mm / 13.39 x 2.36 x 8.66 in. |
| Shipping Weight | 1.7 kg / 3.75 lb |

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

**Software selectable

MECHANICAL DIAGRAM



All the measurements are in mm

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 queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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