

## CA40

### COMPACT AMPLIFIERS

#### *AV Integration Micro-Amplifier*



### PRODUCT OVERVIEW

The CA40 is a 2 x 20 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.

### KEY FEATURES

- 1 balanced MIC 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 and LINE busses
- 2 x 20 WRMS @ 4Ω amplifier with STEREO, PARALLEL and BRIDGE output modes
- 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

## CA40

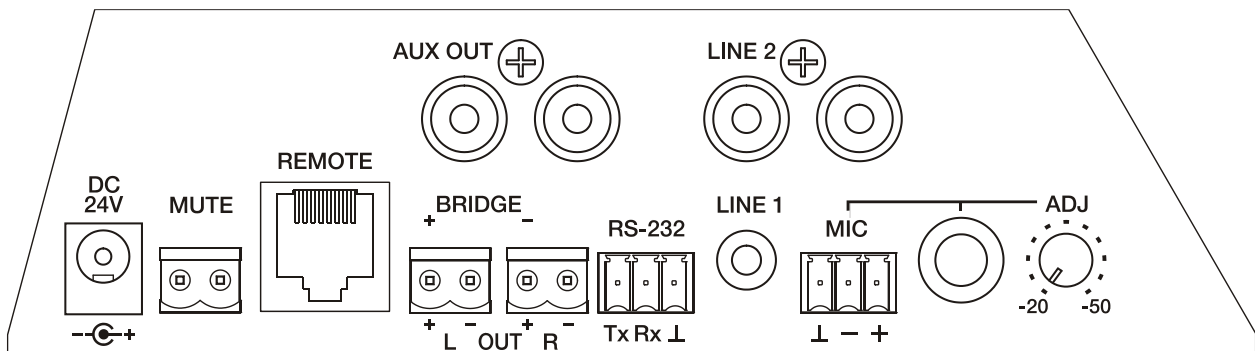
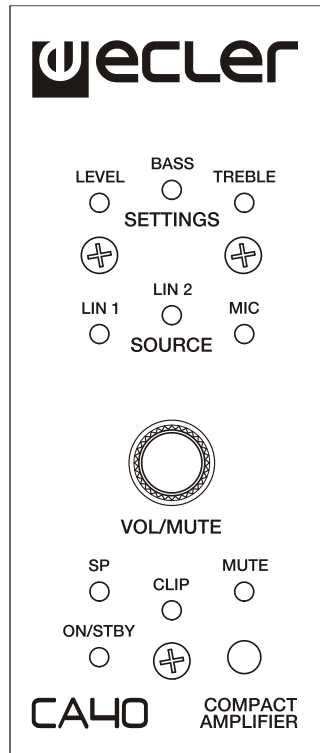
Power		
STEREO		2x18W@4Ω 1% THD 2x22W@4Ω 10% THD 2x10W@8Ω 1% THD 2x12W@8Ω 10% THD
MONO		-
BRIDGE		1x36W@8Ω 1% THD 1x44W@8Ω 10% THD
Frequency response		20Hz - 50kHz (-3dB)
THD+Noise @ 1kHz Full Pwr. SPKR OUT		< 0.15%
THD+Noise AUX OUT		< 0.02%
Channel crosstalk @ 1kHz		>55dB
Inputs Sensitivity nom/Impedance:		
LINE 1		0dBV (-6dBV*)/>8kΩ
LINE 2		0dBV (-6dBV*)/>8kΩ
LINE 3		-
MIC (BAL)		-20 to -50dBV/>1kΩ
CMRR		
MICRO (BAL)		>65dB @ 1kHz
High Pass Filter		-
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		40dB 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 selection
INFRARED REMOTE		Volume & Mute
Mains (using Meanwell GS60A24-P1J)		100-240VAC + External PSU 24VDC

Power consumption	
pink noise, 1/8 power	21VA / 7W
pink noise, 1/3 power	32VA / 13W
Stand By (time 2 minutes)	<3W
General	
Dimensions WxDxH	155x155x45mm
Weight	650g

\*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.

Motors, 166-168 08038 Barcelona - Spain - (+34) 932238403 | [information@ecler.com](mailto:information@ecler.com) | [www.ecler.com](http://www.ecler.com)