decler

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
- \bullet 2 x 20 WRMS @ 4 Ω 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.)



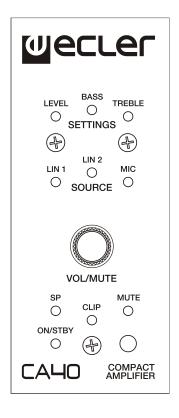
TECHNICAL SPECIFICATIONS

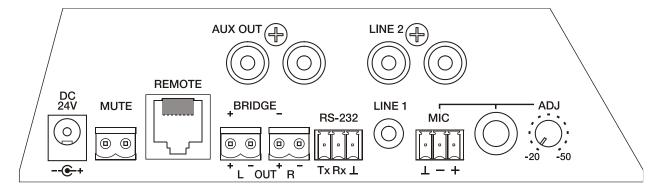
MICRO (BAL)>65dB @ 1kHzHigh Pass Filter-Outputs Level/Minimum LoadAUX OUTAUX OUT>-6dBV/10k ΩFone control (LINE & MIC)BASSTREBLE6KHz ±10dBGignal Noise Ratio6KHz ±10dBSignal Noise Ratio>85dBMIC (BAL)>65dBFalkoverTIME2 Sec.DEPTHAUX OUT-30dBMicrophone Noise Gate40dB below max.Phantom voltage+24VDC/10mA max.*	Power	
2x10W@8Ω 1% THD 2x12W@8Ω 10% THDMONO-BRIDGE1x36W@8Ω 1% THD1x44W@8Ω 10% THD1x44W@8Ω 10% THDFrequency response20Hz - 50kHz (-3dB)THD+Noise @ 1kHz Full Pwr. SPKR< 0.15%	STEREO	2x18W@4Ω 1% THD
2x12W BRIDGE2x12W BRIDGEMONO-BRIDGE1x36W BRIDGE1x44W BRA 10% THD1x44W BRA 10% THDFrequency response20Hz - 50kHz (-3dB)THD+Noise @ 1kHz Full Pvr. SPKR< 0.15%		2x22W@4Ω 10% THD
MONO - BRIDGE 1x36W(@8Ω 1% THD 1x44W(@8Ω 10% THD 1x44W(@8Ω 10% THD Frequency response 20Hz - 50kHz (-3dB) THD+Noise @ 1kHz Full Pwr. SPKR < 0.15%		2x10W@8Ω 1% THD
BRIDGE BRIDGE Frequency response 20Hz - 50kHz (-3dB) 20Hz - 50kHz (-3dB) THD+Noise AUX OUT Channel crosstalk @ 1kHz 555dB nputs Sensitivity nom/Impedance: LINE 1 0dBV (-6dBV*)/>8kΩ LINE 2 0dBV (-6dBV*)/>8kΩ LINE 3 - 20 to -50dBV/>1kΩ MICRO (BAL) 20 to -50dBV/2 20 to -50dBV/>1kΩ MICRO (BAL) 20 to -50dBV/2 20		2x12W@8Ω 10% THD
Ix44W@BΩ 10% THDFrequency response20Hz - 50kHz (-3dB)THD+Noise @ 1kHz Full Pwr. SPKR< 0.15%	MONO	-
Ix44W@8Ω 10% THDFrequency response20Hz - 50kHz (-3dB)THD+Noise @ 1kHz Full Pwr. SPKR< 0.15%	BRIDGE	1x36W@8Ω 1% THD
Frequency response20Hz - 50kHz (-3dB)THD+Noise @ 1kHz Full Pwr. SPKR< 0.15%		1x44W@8Ω 10% THD
THD+Noise @ 1kHz Full Pwr. SPKR < 0.15%	Frequency response	
OUTTHD+Noise AUX OUT< 0.02%		
Channel crosstalk @ 1kHz>55dBnputs Sensitivity nom/Impedance:UINE 10dBV (-6dBV*)/>8kΩLINE 10dBV (-6dBV*)/>8kΩLINE 3LINE 320 to -50dBV/>1kΩMIC (BAL)>20 to -50dBV/>1kΩMICRO (BAL)>65dB @ 1kHz-igh Pass Filter-Dutputs Level/Minimu Load-AUX OUT>-6dBV/10k ΩFone control (LINE & MIC)-BASS100Hz ±10dBGignal Noise RatioI00Hz ±10dBSignal Noise Ratio-LINE85dBMIC (BAL)>65dBalkoverLINEAlkover2 Sec.DEPTH-30dBMicrophone Noise Gate40dB below max.Phantom voltage24VDC/10mA max.*RS232BAUD RATEBAUD RATE9600 (fixed)ANALOGUE REMOTE (0-10V. based)Volume & Input selectionINFRARED REMOTEVolume & MuteMins (using Meanwell GS60A24-100-240VAC + External PSU 24VDC	-	
Inputs Sensitivity nom/Impedance: LINE 1 0dBV (-6dBV*)/>8kΩ LINE 2 0dBV (-6dBV*)/>8kΩ LINE 3 - MIC (BAL) -20 to -50dBV/>1kΩ MICRO (BAL) >65dB @ 1kHz High Pass Filter - Outputs Level/Minimum Load - AUX OUT >-6dBV/10k Ω Fone control (LINE & MIC) BASS BASS 100Hz ±10dB Grant Control (LINE & MIC) 6KHz ±10dB Signal Noise Ratio IINE LINE >85dB MIC (BAL) >65dB Signal Noise Ratio 2 Sec. DEPTH -30dB Microphone Noise Gate 40dB below max. Phantom voltage +24VDC/10mA max.* RS232 BAUD RATE 9600 (fixed) BAIS 1 NONE STOP BITS 1 FLOW CTRL ANALOGUE REMOTE (0-10V. based) Volume & Input selection INFRARED REMOTE Volume & Mute Mains (using Meanwell GS60A24- 100-240VAC + External PSU 24VDC	THD+Noise AUX OUT	< 0.02%
Inputs Sensitivity nom/Impedance: LINE 1 0dBV (-6dBV*)/>8kΩ LINE 2 0dBV (-6dBV*)/>8kΩ LINE 3 - MIC (BAL) -20 to -50dBV/>1kΩ MICRO (BAL) >65dB @ 1kHz High Pass Filter - Outputs Level/Minimum Load - AUX OUT >-6dBV/10k Ω Fone control (LINE & MIC) BASS BASS 100Hz ±10dB Grant Control (LINE & MIC) 6KHz ±10dB Signal Noise Ratio IINE LINE >85dB MIC (BAL) >65dB Signal Noise Ratio 2 Sec. DEPTH -30dB Microphone Noise Gate 40dB below max. Phantom voltage +24VDC/10mA max.* RS232 BAUD RATE 9600 (fixed) BAIS 1 NONE STOP BITS 1 FLOW CTRL ANALOGUE REMOTE (0-10V. based) Volume & Input selection INFRARED REMOTE Volume & Mute Mains (using Meanwell GS60A24- 100-240VAC + External PSU 24VDC		>55dB
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LINE 2 OdBV (-6dBV*)/>8kΩ LINE 3 - MIC (BAL) -20 to -50dBV/>1kΩ MICRO (BAL) >65dB @ 1kHz digh Pass Filter - AUX OUT >-6dBV/10k Ω Tone control (LINE & MIC) AUX OUT >-6dBV/10k Ω Tone control (LINE & MIC) BASS 100Hz ±10dB 6KHz ±10dB 6KHz ±10dB 6KHz ±10dB 100Hz ±10dB 6KHz ±10dB 100Hz ±10dB 6KHz ±10dB 100Hz ±10Hz ±10dB 100Hz ±10Hz ±10dB 100Hz ±10HZ ±		0dBV (-6dBV*)/>8kΩ
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MICRO (BAL) >65dB @ 1kHz - MICRO (BAL) - 66dBV/10kΩ - Dutputs Level/Minimum Load AUX OUT -6dBV/10kΩ - one control (LINE & MIC) BASS 100Hz ±10dB 6KHz ±10dB 6KHz ±10dB 5ignal Noise Ratio LINE >85dB >65dB - alkover 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) INFRARED REMOTE Volume & Input selection INFRARED REMOTE Volume & Mute Mains (using Meanwell GS60A24- 100-240VAC + External PSU 24VDC		-20 to -50dBV/>1kΩ
MICRO (BAL)>65dB @ 1kHzdigh Pass Filter-Outputs Level/Minimum LoadAUX OUTAUX OUT>-6dBV/10k ΩFone control (LINE & MIC)BASS100Hz ±10dB6KHz ±10dBSignal Noise Ratio6KHz ±10dBSignal Noise Ratio>85dBMIC (BAL)>65dBFalkoverIIME2 Sec.DEPTH-30dB40dB below max.Microphone Noise Gate40dB below max.Phantom voltage+24VDC/10mA max.*S232BAUD RATEBAUD RATE9600 (fixed)DATA8 bitsPARITYNONESTOP BITS1FLOW CTRLNONEANALOGUE REMOTE (0-10V. based)Volume & Input selectionINFRARED REMOTEVolume & MuteMains (using Meanwell GS60A24-100-240VAC + External PSU 24VDC	CMRR	
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Microphone Noise Gate40dB below max.Phantom voltage+24VDC/10mA max.*RS232BAUD RATE9600 (fixed)DATA8 bitsPARITYNONESTOP BITS1FLOW CTRLNONEANALOGUE REMOTE (0-10V. based)Volume & Input selectionINFRARED REMOTEVolume & MuteMains (using Meanwell GS60A24-100-240VAC + External PSU 24VDC	DEPTH	-30dB
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INFRARED REMOTE Volume & Mute Mains (using Meanwell GS60A24- 100-240VAC + External PSU 24VDC		
Mains (using Meanwell GS60A24- 100-240VAC + External PSU 24VDC		· · · · · · · · · · · · · · · · · · ·
	INFRARED REMOTE	Volume & Mute
	Mains (using Meanwell GS60A24-	

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

*Internally selectable **Software selectable

MECHANICAL DIAGRAM





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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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