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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 @ 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.)

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TECHNICAL SPECIFICATIONS

MICRO (BAL)>65dB @ 1kHzHigh Pass Filter-Outputs Level/Minimum LoadAUX OUTAUX OUT>-6dBV/10kΩFone control (LINE & MIC)BASS100Hz ±10dB6KHz ±10dBTREBLE6KHz ±10dBSignal Noise Ratio>85dBMIC (BAL)>65dBFalkoverTIME2 Sec.DEPTHAux OUT-30dBMicrophone Noise Gate40dB below max.Phantom voltage+24VDC/10mA max.*	Power	
2x10W@8Ω 1% THD2x12W@8Ω 10% THD2x12W@8Ω 10% THDBRIDGE1x36W@8Ω 1% THD1x44W@8Ω 10% THD0UT1TD+Noise AUX OUT< 0.02%	STEREO	2x18W@4Ω 1% THD
2x12W@8Ω 10% THDMONO-BRIDGE1x36W@8Ω 1% THDBRIDGE1x36W@8Ω 10% THDFrequency response20H2 - 50kHz (-3dB)THD+Noise @ 1kHz Full Pwr. SPKR<0.15%		2x22W@4Ω 10% THD
MONO BRIDGE-1x36W@8Ω 1% THD 1x44W@8Ω 10% THDFrequency response20Hz - 50kHz (-3dB)THD+Noise @1kHz Full Pwr. SPKR OUT< 0.15%		2x10W@8Ω 1% THD
BRIDGE1x36W@8Ω 1% THD 1x44W@8Ω 10% THD 1x44W@8Ω 10% THDFrequency response20Hz - 50kHz (-3dB)THD+Noise @ 1kHz Full Pwr. SPKR< 0.15%		2x12W@8Ω 10% THD
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Ix44W@80 10% THDFrequency response20Hz - 50kHz (-3dB)THD+Noise @ 1kHz Full Pwr. SPKR< 0.15%	BRIDGE	1x36W@8Ω 1% THD
THD+Noise @ 1kHz Full Pwr. SPKR OUT< 0.15%THD+Noise AUX OUT Channel crosstalk @ 1kHz>55dBnputs Sensitivity nom/Impedance:>55dBLINE 1 UdBV (-6dBV*)/>8kQ LINE 20dBV (-6dBV*)/>8kQ LINE 3LINE 2 LINE 3-MIC (BAL)>20 to -50dBV/>1kQMRR>65dB @ 1kHzMICRO (BAL)>65dB @ 1kHzdigh Pass Filter-Outputs Level/Minimum Load>-AUX OUT>-6dBV/10kQFone control (LINE & MIC)BASSfone control (LINE & MIC)100Hz ±10dBGignal Noise Ratio100Hz ±10dBGignal Noise Ratio2 Sec.LINE Talkover>85dBfalkoverTIME 2 Sec.S232BAUD RATE Phantom voltageBAUD RATE STOP BITS9600 (fixed) 8 bitsANALOGUE REMOTE (0-10V, based) Volume & Input selection INFRARED REMOTE Volume & MuteANALOGUE REMOTE (0-10V, based) Volume & MuteVolume & Mute		1x44W@8Ω 10% THD
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OUTOUTTHD+Noise AUX OUT< 0.02%		
Channel crosstalk @ 1kHz>55dBnputs Sensitivity nom/Impedance:LINE 10dBV (-6dBV*)/>8kΩLINE 20dBV (-6dBV*)/>8kΩLINE 3-MIC (BAL)-20 to -50dBV/>1kΩMIC (BAL)>65dB @ 1kHzdigh Pass Filter-Outputs Level/Minimum Load>-6dBV/10kΩCone control (LINE & MIC)BASSTREBLE6KHz ±10dBGignal Noise Ratio-LINE>85dBMIC (BAL)>65dBalkoverLINEAlkover2 Sec.DEPTH-30dBMicrophone Noise Gate40dB below max.Phantom voltage24VDC/10mA max.*RS232BAUD RATEBAUD RATE9600 (fixed)BAUD RATE9600 (fixed)ANALOGUE REMOTE (0-10V. based)Volume & Input selectionINFRARED REMOTEVolume & MuteMains (using Meanwell GS60A24-100-240VAC + External PSU 24VDC	-	
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Imputs Sensitivity nom/Impedance: LINE 1 0dBV (-6dBV*)/>8kΩ LINE 2 0dBV (-6dBV*)/>8kΩ LINE 3 - MIC (BAL) -20 to -50dBV/>1kΩ MICR (BAL) >65dB @ 1kHz - -20 to -50dBV/>1kΩ MICR (BAL) >65dB @ 1kHz - - Outputs Level/Minimum Load - AUX OUT >-6dBV/10kΩ Fone control (LINE & MIC) BASS BASS 100Hz ±10dB Gignal Noise Ratio - LINE >85dB MIC (BAL) >65dB Signal Noise Ratio - LINE >85dB Microphone Noise Gate 40dB below max. Phantom voltage +24VDC/10mA max.* RS232 BAUD RATE 9600 (fixed) BATA 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- 100-240VAC + External PSU 24VDC </td <td>Channel crosstalk @ 1kHz</td> <td>>55dB</td>	Channel crosstalk @ 1kHz	>55dB
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Mains (using Meanwell GS60A24- 100-240VAC + External PSU 24VDC		· · ·
/	mains jusing meanwell USUVA24-	



Power consumption	
pink noise, 1/8 power	21VA / 7W
pink noise, 1/3 power	32VA / 13W
Stand By (time 2 minutes)	<3W
General	
Dimensions (WxHxD)	155 x 45 x 155 mm / 6.1 x 1.77 x 6.1 in.
Weight	650g / 1.43 lb
Shipping Dimensions (WxHxD)	220 x 60 x 170 mm / 8.66 x 2.36 x 6.7 in.
Shipping Weight	1.4 kg / 3.1 lb
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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