

# CC Series Amplifiers

## Models CC4021 & CC4041



CC4021



CC4041

**Description** These compact mixer-amplifiers provide 40 watts of output power. Model **CC4021** has two inputs: 1 balanced MIC/Line and 1 unbalanced AUX with individual volume controls. Model **CC4041** has 4 inputs: 3 balanced MIC/Line and 1 unbalanced AUX with individual volume controls. Features include priority muting which can be disabled, individual phantom power on all MIC inputs, bass and treble controls, peak and signal indicators, and a REC Output.

They are compatible with 70V, 25V, 4-ohm, and 8-ohm speaker systems. The units measure two rack spaces in height, but are only 8-1/4" wide allowing for two units to be placed side-by-side without requiring additional rack spaces. An optional rack mount adapter is available for single and side-by-side configurations.

- Features**
- 40 Watts of output power
  - **2 Inputs on Model CC4021:**  
1 balanced MIC/Line;  
1 unbalanced AUX
  - **4 Inputs on Model CC4041:**  
3 balanced MIC/Line;  
1 unbalanced AUX
  - Individual phantom power for MIC inputs
  - Volume controls for each input
  - Input 1 can mute other inputs
  - Audio-activated muting
  - Defeatable muting
  - Bass and treble controls
  - Compatible with 70V, 25V, 4-ohm, and 8-ohm systems
  - REC Output
  - Peak indicator
  - Signal indicator
  - External 24V DC supply input
  - Listed to UL Standard 60065 for US and Canada
  - Optional rack mount adapter available for single and side-by-side configurations (sold separately)

**Architect and Engineer Specifications** The amplifier shall be a compact mixer-amplifier that provides 40 watts of output power. The unit shall provide [for Model CC4021]: 2 inputs (1 balanced MIC/Line and 1 unbalanced AUX) [or for Model CC4041]: 4 inputs (3 balanced MIC/Line and 1 unbalanced AUX). Input 1 shall be able to mute other inputs, and muting shall be audio-activated or defeatable. Unit shall have individual phantom power for all MIC inputs.

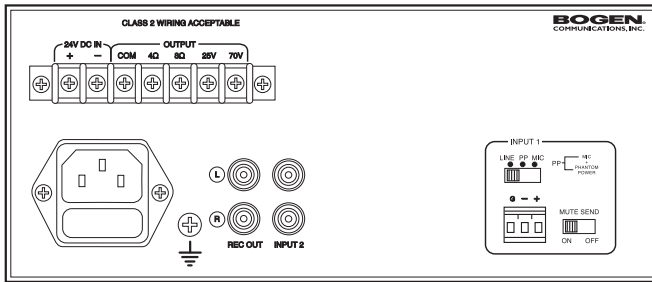
The amplifier shall include bass and treble controls, peak and signal indicators, and a REC Output.

The amplifiers shall be compatible with 70V, 25V, 4-ohm, and 8-ohm speaker systems. An external 24V DC, 3A external supply input shall be included.

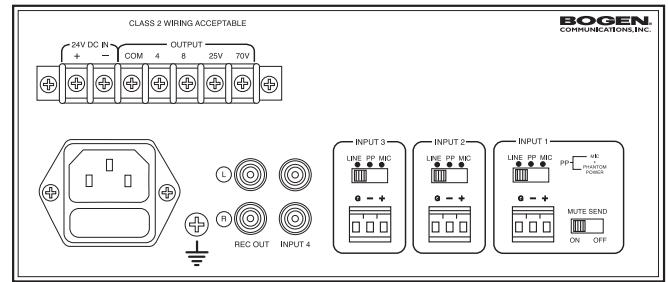
The units shall measure two rack spaces in height, and be no wider than 8-1/4" so as to allow two units to be placed side-by-side without requiring additional rack spaces. An optional rack mount adapter shall also be available for single and side-by-side configurations. The amplifier dimensions shall be 8-1/4" W x 3-1/2" H x 10-3/8" D, and shall weigh 10 pounds.

The amplifier shall be listed to UL Standard 60065 for US and Canada.

## CC4021 Rear Panel



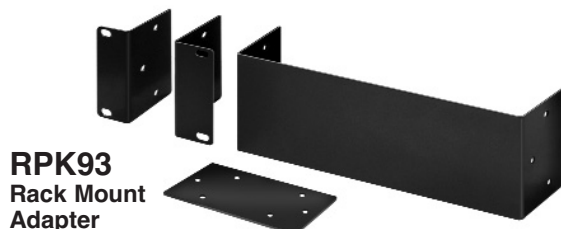
## CC4041 Rear Panel



### Technical Specifications

<b>Output Power</b> .....	40W; 1 kHz @ rated distortion
<b>Frequency Response</b>	
<i>Balanced LINE/MIC</i> .....	100 Hz to 20 kHz; 0/-3 dB
<i>Unbalanced Input</i> .....	80 Hz to 20 kHz; 0/-3 dB
<b>Distortion</b>	
<i>Balanced LINE/MIC</i> .....	< 1% THD+N
<i>Unbalanced Input</i> .....	< 1% THD+N
<b>Output Regulation</b> .....	2 dB or better no-load to full-load
<b>Output Impedance</b> .....	70V, 25V, 4 ohms, 8 ohms
<b>REC Output</b> .....	1.14V @ Full Rated Power (FRP)
<b>Maximum Sensitivity</b>	
<i>Balanced MIC</i> .....	1.5 mVrms (200 ohms)
<i>Balanced LINE</i> .....	150 mVrms (200 ohms)
<i>Unbalanced RCA Input</i> .....	100 mVrms (10k ohms)
<b>Maximum Input Level</b>	
<i>Balanced MIC</i> .....	100 mVrms
<i>Balanced LINE</i> .....	6 Vrms
<i>Unbalanced Input</i> .....	5 Vrms
<b>Signal to Noise AUX</b>	
<i>Fundamental</i> .....	-74 dBr minimum referenced to FRP
<i>Balanced MIC</i> .....	-59 dBr minimum referenced to FRP
<i>Balanced LINE</i> .....	-70 dBr minimum referenced to FRP
<i>Unbalanced Input</i> .....	-70 dBr minimum referenced to FRP
<b>Bass &amp; Treble</b>	
<i>Bass</i> .....	+/- 10 dBr @ 100 Hz referenced to mid-band
<i>Treble</i> .....	+/- 10 dBr @ 10 kHz referenced to mid-band
<b>VOX Trigger &amp; Muting</b>	
<i>Input 1 Trigger Level</i> .....	25mV (approx.)
<i>VOX Release Delay</i> .....	4 (+/- 1) sec.
<i>Muting Level</i> .....	> -60 dBr
<b>Phantom Power</b> .....	12V DC min., 18V DC max.
<b>Max. Ambient Temp.</b> .....	100 deg. F (non-condensing)
<b>Thermal Emissions</b> .....	141.5 BTU/hr. (full power)
<b>External Supply</b> .....	24V DC; 3A
<b>Dimensions</b> .....	8-1/4" W x 3-1/2" H x 10-3/8" D
<b>Product Weight</b> .....	10 lb.
<b>Listings</b> .....	Listed to UL Standard 60065 for US and Canada

### Accessories



**BOGEN**  
COMMUNICATIONS, INC.

50 Spring Street, Ramsey, NJ 07446, USA

Tel.: 201-934-8500 • Fax: 201-934-9832

[www.bogen.com](http://www.bogen.com)