

# CC Series Amplifiers

## Models CC4021, CC4041 & CC4052



CC4021



CC4041



CC4052

**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. Model **CC4052** has 5 inputs: 3 balanced MIC/Line, 1 unbalanced AUX with individual volume controls, 1 TEL. 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
  - **5 Inputs on Model CC4052:**
    - 3 balanced MIC/Line;
    - 1 unbalanced AUX
    - 1 TEL
  - 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) [or for Model CC4052]: 5 inputs: (3 balanced MIC/Line, 1 unbalanced AUX, and 1 TEL). 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.

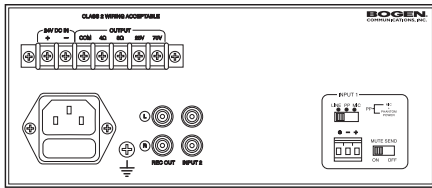
The amplifier shall include bass and treble controls, peak and signal indicators, and a REC Output.

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.

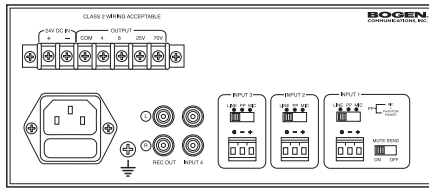
The units shall measure two rack spaces in height, and be no wider than 8-1/4" so as to allow two units to be placed side-by-side without requiring additional rack spaces. An optional rack mount adapter shall also be available for single and side-by-side configurations. The amplifier dimensions shall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

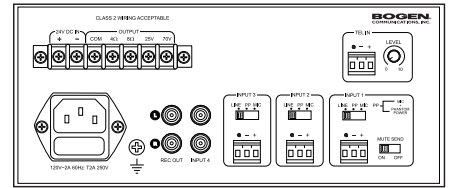
### CC4021 Rear Panel



### CC4041 Rear Panel



### CC4052 Rear Panel



## Technical Specifications

**Output Power** ..... 40W; 1 kHz @ rated distortion

### Frequency Response

*Balanced LINE/MIC* ..... 100 Hz to 20 kHz; 0/-3 dB

*Unbalanced Input*..... 80 Hz to 20 kHz; 0/-3 dB

### Distortion

*Balanced LINE/MIC* ..... < 1% THD+N

*Unbalanced Input* ..... < 1% THD+N

**Output Regulation** ..... 2 dB or better no-load to full-load

**Output Impedance** ..... 70V, 25V, 4 ohms, 8 ohms

**REC Output**..... 1.14V @ Full Rated Power (FRP)

### Maximum Sensitivity

*Balanced MIC* ..... 1.15 mVrms (2k ohms)

*Balanced LINE*..... 70 mVrms (2k ohms)

*Unbalanced RCA Input* ..... 70 mVrms (10k ohms)

*TEL Input\** ..... 80 mVrms (600 ohms)

### Maximum Input Level

*Balanced MIC* ..... 100 mVrms

*Balanced LINE*..... 6 Vrms

*Unbalanced Input* ..... 5 Vrms

*TEL Input\** ..... 2.2 Vrms

### Signal-to-Noise AUX

*Fundamental* ..... -74 dBr min. referenced to FRP

*Balanced MIC* ..... -59 dBr min. referenced to FRP

*Balanced LINE*..... -70 dBr min. referenced to FRP

*Unbalanced Input*..... -70 dBr min. referenced to FRP

*TEL Input\** ..... -70 dBr min. referenced to FRP

### Bass & Treble

*Bass*..... +/- 10 dBr @ 100 Hz  
referenced to mid-band

*Treble*..... +/- 10 dBr @ 10 kHz  
referenced to mid-band

### VOX Trigger & Muting

*Input 1 Trigger Level* ..... 25mV (approx.)

*VOX Release Delay*..... 4 (+/- 1) sec.

*Muting Level*..... > -60 dBr

### TEL Trigger & Muting\*

*Input 1 Trigger Level* ..... 22mV (approx.)

*VOX Release Delay*..... < 1 sec.

*Muting Level*..... > -60 dBr

**Phantom Power** ..... 12V DC min., 18V DC max.

**Thermal Emissions** ..... 141.5 BTU/hr. (full power)

**External Supply** ..... 24V DC; 3A

**Max. Unit Dimensions** ..... 8-1/4" W x 3-1/2" H x 10-3/8" D

**Product Weight**..... 11 lb.

**Power Requirements** ..... 120V AC, 60Hz, 2A

**Listings** ..... Listed to UL Standard 60065  
for US and Canada

\* Model 4052 Only

## Accessories



**RPK93**  
Rack Mount  
Adapter