

# CC Series Amplifiers

## Models CC4052 & CC4052m

**BOGEN**®



CC4052



CC4052m

**Description** These compact mixer-amplifiers provide 40 watts of output power and 5 inputs: 3 balanced MIC/Line, 1 unbalanced AUX, and 1 TEL, each with individual volume controls. Features include 2 audio-activated priority muting levels (Input 1 can be disabled), individual phantom power on all MIC inputs, bass and treble controls, peak and signal indicators, and a REC Output. Model CC4052m also has a built-in MP3 Player (acting as a 6th Input), MOH Output with 1W/8 $\Omega$ , and 600 $\Omega$  transformer-balanced outputs.

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
  - 5 Inputs for connection to external equipment, plus a 6th Input for built-in Media Player on the CC4052m model
  - Individual phantom power for MIC inputs
  - MP3 Player accepts SD card and USB thumb drive; button controls for Playback, Volume, and EQ (model CC4052m only)
  - MOH Output with 1W/8 $\Omega$  and 600 $\Omega$  transformer-balanced outputs (Model CC4052m only)
  - Input 4 or Media Player selectable for MOH source
  - 2 levels of priority: TEL is 1st priority, Input 1 is 2nd priority
  - Audio-activated muting
  - Defeatable muting (Input 1)
  - 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 (RPK93) 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 5 inputs: (3 balanced MIC/Line, 1 unbalanced AUX, and 1 TEL). 2 levels of priority muting shall be audio-activated. TEL is 1st priority, Input 1 is 2nd priority, Input 1 defeatable (highest, TEL, not 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.

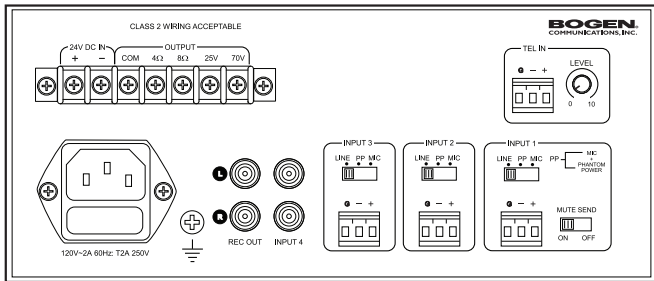
(For Model CC4052m only) The amplifier shall include a built-in MP3 Player that acts as a 6th Input and accepts an SD card and USB thumb drives. The unit shall also have an MOH with 1W/8 $\Omega$  and 600 $\Omega$  transformer-balanced outputs. Input 4 or the Media Player can be selected as the MOH source.

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.

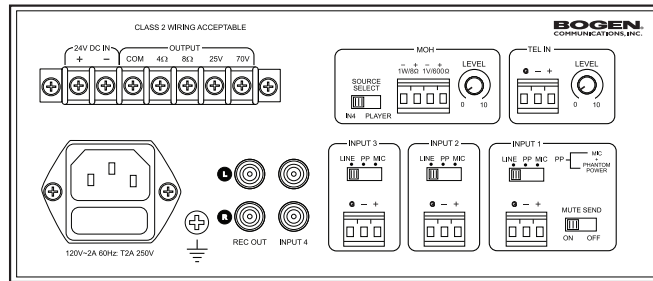
The units shall measure two rack spaces in height, and be no wider than 8-1/4" so as to allow two units to be placed side-by-side without requiring additional rack spaces. An optional rack mount adapter shall also be available for single and side-by-side configurations. The amplifier dimensions shall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

## CC4052 Rear Panel



## CC4052m 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>MOH Output (CC4052m only)</b> ..	8Ω: 1W @ 130 mV (IN 4); 600Ω: 2.1V @ 130 mV (IN 4)
<b>Maximum Sensitivity</b>	
<i>Balanced MIC</i> .....	1.15 mVrms (200 ohms)
<i>Balanced LINE</i> .....	70 mVrms (200 ohms)
<i>Unbalanced RCA Input</i> .....	70 mVrms (10k ohms)
<i>TEL Input</i> .....	80 mVrms (600 ohms)
<b>Maximum Input Level</b>	
<i>Balanced MIC</i> .....	100 mVrms
<i>Balanced LINE</i> .....	6 Vrms
<i>Unbalanced Input</i> .....	5 Vrms
<i>TEL Input</i> .....	2.2 Vrms
<b>Signal-to-Noise AUX</b>	
<i>Fundamental</i> .....	-74 dB min. referenced to FRP
<i>Balanced MIC</i> .....	-59 dB min. referenced to FRP
<i>Balanced LINE</i> .....	-70 dB min. referenced to FRP
<i>Unbalanced Input</i> .....	-70 dB min. referenced to FRP
<i>TEL Input</i> .....	-70 dB min. referenced to FRP

## Bass & Treble

<i>Bass</i> .....	+/- 10 dB @ 100 Hz referenced to mid-band
<i>Treble</i> .....	+/- 10 dB @ 10 kHz referenced to mid-band

## VOX Trigger & Muting

<i>Input 1 Trigger Level</i> .....	25mV in LINE mode (approx.)
<i>VOX Release Delay</i> .....	4 (+/- 1) sec.
<i>Muting Level</i> .....	> -60 dB

## TEL Trigger & Muting

<i>TEL IN Trigger Level</i> .....	22mV (approx.)
<i>VOX Release Delay</i> .....	< 1 sec.
<i>Muting Level</i> .....	> -60 dB

## Media Player (CC4052m only)

<i>Format</i> .....	MP3 and WMA files
<i>Type</i> .....	USB and SD/MMC
<i>Max. Capacity</i> .....	16GB

<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>Max. Unit Dimensions</b> .....	8-1/4" W x 3-1/2" H x 10-3/8" D
<b>Product Weight</b> .....	11 lb.
<b>Listings</b> .....	Listed to UL Standard 60065 for US and Canada

## Accessories

### RPK93 Rack Mount Adapter

