

# CC Series Amplifiers



## Models CC4052, CC4052m, & CC4062MBT



**Description** These compact mixer-amplifiers provide 40 watts of output power and offer multiple inputs (5 on the CC4052, 6 on the CC4052m, and 7 on the CC4062MBT) each with individual volume controls. Models CC4052m and CC4062MBT have a built-in MP3 Player (acting as a 6th Input), MOH Output with 1W/8Ω, and 600Ω transformer-balanced outputs. The CC4062MBT's Bluetooth capability creates a 7th input.

All models 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 racked 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
  - Multiple Inputs: 3 balanced MIC/Line, 1 unbalanced AUX, 1 TEL, 1 Media Player (CC4052m & CC4062MBT), 1 Bluetooth (CC4062MBT only)
  - Individual phantom power for MIC inputs
  - MP3 Player accepts SD card and USB thumb drive; button controls for Playback, Volume, and EQ (models CC4052m & CC4062MBT)
  - MOH Output with 1W/8Ω and 600Ω transformer-balanced outputs (models CC4052m & CC4062MBT)
  - Select MOH source from Input 4 or Media Player
  - Bluetooth capable (CC4062MBT only)
  - 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 and Signal indicators
  - 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 MOH with 1W/8Ω and 600Ω transformer-balanced outputs. Input 4 or the Media Player can be selected as the MOH source.

*(For Model CC4062MBT only)* The amplifier shall include a built-in MP3 Player that acts as a 6th input and accepts SD card and USB thumb drives, and has Bluetooth capability. Thus, providing this model with 7 inputs. The unit shall also

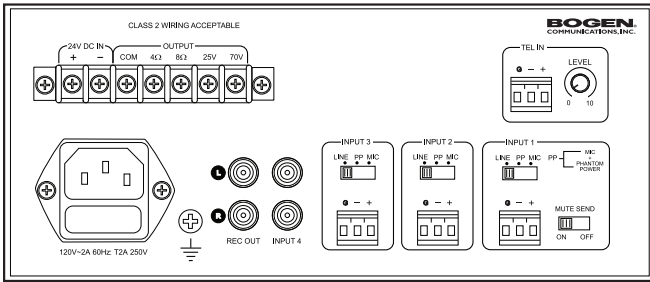
have an MOH with 1W/8Ω and 600Ω transformer-balanced outputs. Input 4 or the Media Player can be selected as the MOH source.

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.

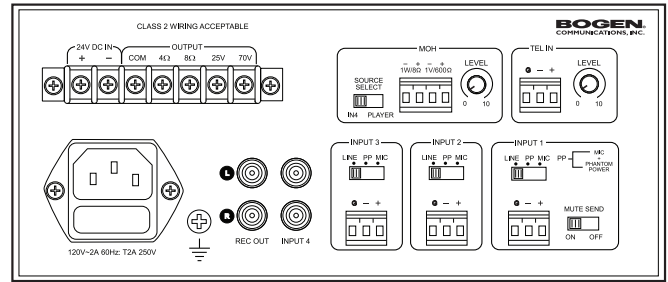
The units shall measure two rack spaces in height, and be no wider than 8-1/4" so as to allow two units to be placed side-by-side without requiring additional rack spaces. An optional rack mount adapter shall also be available for single and side-by-side configurations. The amplifier dimensions shall be 8-1/4" W x 3-1/2" H x 10-3/8" D, and shall weigh 11 pounds.

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

## CC4052 Rear Panel



## CC4052m & CC4062MBT Rear Panel



## Technical Specifications

<b>Output Power</b> .....	40W; 1 kHz @ rated distortion
<b>Frequency Response</b>	
Balanced <i>LINE/MIC</i> .....	100 Hz to 20 kHz; 0/-3 dB
Unbalanced <i>Input</i> .....	80 Hz to 20 kHz; 0/-3 dB
<b>Distortion</b>	
Balanced <i>LINE/MIC</i> .....	< 1% THD+N
Unbalanced <i>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 (for CC4052m and CC4062MBT Models Only)</b>	8Ω: 1W @ 130 mV (IN 4); 600Ω: 2.1V @ 130 mV (IN 4)
<b>Maximum Sensitivity</b>	
Balanced <i>MIC</i> .....	1.15 mVrms (2k ohms)
Balanced <i>LINE</i> .....	70 mVrms (2k ohms)
Unbalanced <i>RCA Input</i> .....	70 mVrms (10k ohms)
<i>TEL Input</i> .....	80 mVrms (600 ohms)
<b>Maximum Input Level</b>	
Balanced <i>MIC</i> .....	100 mVrms
Balanced <i>LINE</i> .....	6 Vrms
Unbalanced <i>Input</i> .....	5 Vrms
<i>TEL Input</i> .....	2.2 Vrms
<b>Signal-to-Noise AUX</b>	
<i>Fundamental</i> .....	-74 dBr min. referenced to FRP
Balanced <i>MIC</i> .....	-59 dBr min. referenced to FRP
Balanced <i>LINE</i> .....	-70 dBr min. referenced to FRP
Unbalanced <i>Input</i> .....	-70 dBr min. referenced to FRP
<i>TEL Input</i> .....	-70 dBr min. 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

## VOX Trigger & Muting

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

## TEL Trigger & Muting

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

## Media Player (for CC4052m & CC4062MBT Models Only)

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

## Bluetooth (for CC4062MBT Model Only)

<i>Range</i> .....	Up to 30 ft.
<i>Audio Distribution Profile</i> ....	A2DP
<i>Antenna</i> .....	Integrated
<i>Version</i> .....	Bluetooth 4.0 Compliant

**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

## Accessories

### RPK93 Rack Mount Adapter Kit

