

## Bogen C20

# Bogen Classic Series Amp C20 Instruction Manual

Model: C20

[Introduction](#) [Safety Information](#) [Product](#)  
[Overview](#) [Setup](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

## 1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your Bogen Classic Series Amp C20. Please read this manual thoroughly before using the product to ensure safe and efficient performance. Retain this manual for future reference.

## 2. SAFETY INFORMATION

**WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.**

Always observe basic safety precautions when using electrical equipment to reduce the risk of fire, electric shock, and injury to persons.

- Do not expose this appliance to rain or moisture.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Refer all servicing to qualified service personnel.

## 3. PRODUCT OVERVIEW

The Bogen Classic Series Amp C20 is a single-channel amplifier designed for various audio applications. It features robust construction and reliable performance.

### 3.1 Key Features

- Single-channel amplifier

- Surface Mount design
- Input voltage: 120 Volts
- Output Power: 20 Watts

### 3.2 Package Contents

Upon unpacking, verify that the following items are included:

- Bogen Classic Series Amp C20
- Funnel
- Instruction Manual (this document)

### 3.3 Front Panel Controls and Indicators



Image 1: Front panel of the Bogen Classic Series Amp C20. This image displays the MIC1, MIC2, AUX, and TREBLE control knobs, along with the POWER switch and the "Classic Series" branding.

1. **MIC1 Input Level Control:** Adjusts the volume for Microphone Input 1.
2. **MIC2 Input Level Control:** Adjusts the volume for Microphone Input 2.
3. **AUX Input Level Control:** Adjusts the volume for the Auxiliary input.
4. **TREBLE Control:** Adjusts the high-frequency response of the audio output.
5. **POWER Switch:** Toggles the amplifier's power on and off.

### 3.4 Rear Panel Connections



Image 2: Rear panel of the Bogen Classic Series Amp C20. This image shows the various input and output connections, including power input and speaker terminals.

The rear panel contains connections for power, microphone inputs, auxiliary inputs, and speaker outputs. Specific details on these connections are provided in the Setup section.

## 4. SETUP AND INSTALLATION

### 4.1 Mounting

The Bogen Classic Series Amp C20 is designed for surface mounting. Ensure the mounting surface is

stable and capable of supporting the unit's weight (approximately 4.5 pounds). Allow adequate ventilation around the unit to prevent overheating.

## 4.2 Electrical Connection

1. Ensure the POWER switch on the front panel is in the OFF position.
2. Connect the power cord to a standard 120 Volt AC outlet.

## 4.3 Audio Input Connections

Connect your audio sources to the appropriate inputs on the rear panel:

- **Microphones:** Connect microphones to the MIC1 and MIC2 input jacks.
- **Auxiliary Devices:** Connect line-level audio sources (e.g., CD player, media player) to the AUX input jacks.

## 4.4 Speaker Output Connections

Connect your speakers to the speaker output terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for all speaker connections. Refer to your speaker's manual for impedance matching requirements.

# 5. OPERATION

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## 5.1 Powering On/Off

1. To power on the amplifier, press the POWER switch on the front panel to the ON position. The power indicator (if present) will illuminate.
2. To power off, press the POWER switch to the OFF position.

## 5.2 Adjusting Input Levels

1. Start with all input level controls (MIC1, MIC2, AUX) set to their minimum position.
2. Begin playing audio from your desired source.
3. Slowly increase the corresponding input level control until the desired volume is achieved.
4. Adjust the TREBLE control to fine-tune the high-frequency response to your preference.

## 5.3 General Usage Tips

- Avoid setting volume levels too high, which can cause distortion and potentially damage speakers.
- Ensure all connections are secure before operating the amplifier.

# 6. MAINTENANCE

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## 6.1 Cleaning

Wipe the exterior of the amplifier with a soft, dry cloth. Do not use liquid cleaners or aerosol cleaners, as they may damage the finish or internal components.

## 6.2 Ventilation

Regularly check that the ventilation openings are clear of dust and debris to ensure proper airflow and prevent overheating.

### 6.3 Servicing

There are no user-serviceable parts inside the amplifier. Refer all servicing to qualified service personnel.

## 7. TROUBLESHOOTING

If you experience issues with your Bogen Classic Series Amp C20, consult the following table before contacting support.

Problem	Possible Cause	Solution
No sound output.	<ul style="list-style-type: none"><li>• Power not connected or switched on.</li><li>• Input source not connected or playing.</li><li>• Input level controls set too low.</li><li>• Speaker connections incorrect or loose.</li></ul>	<ul style="list-style-type: none"><li>• Verify power connection and switch position.</li><li>• Check audio source and its connection to the amplifier.</li><li>• Increase input level controls gradually.</li><li>• Inspect and secure all speaker wiring.</li></ul>
Distorted sound.	<ul style="list-style-type: none"><li>• Input level too high.</li><li>• Speaker impedance mismatch.</li></ul>	<ul style="list-style-type: none"><li>• Reduce input level controls.</li><li>• Ensure speakers are compatible with the amplifier's output impedance.</li></ul>
Static or crackling from knobs.	Dust or oxidation on control potentiometers.	Consult qualified service personnel for cleaning or replacement of potentiometers.
Unit becomes excessively warm or emits odor.	<ul style="list-style-type: none"><li>• Poor ventilation.</li><li>• Internal component issue.</li></ul>	<ul style="list-style-type: none"><li>• Ensure adequate airflow around the unit.</li><li>• Immediately power off the unit and disconnect from power. Contact qualified service personnel.</li></ul>

## 8. SPECIFICATIONS

Feature	Detail
Brand	Bogen
Model	C20
Item Model Number	C20
Manufacturer Part Number	C20
Item Dimensions (L x W x H)	11.37 x 7.37 x 2.87 inches

Feature	Detail
Product Dimensions	11.37 x 7.37 x 2.87 inches
Item Weight	4.5 pounds
Voltage	120 Volts
Wattage	50 watts
Output Power	20 Watts
Number of Channels	1
Mounting Type	Surface Mount
Manufacturer	Bogen
UPC	765368330250
Date First Available	July 16, 2004



*Note: Specifications are subject to change without notice.*






## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Bogen website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims. Contact Information:

- **Website:** [www.bogen.com](#) (Placeholder, actual URL may vary)
- **Customer Service:** Refer to the website for regional contact details.

### Related Documents - C20

<div><p>Nyquist Integrated Power Amplifier Configuration Manual NQ-GA20P2</p></div>	<p><a href="#">Bogen NQ-GA20P2 Nyquist Integrated Power Amplifier Configuration Manual</a></p> <p>Configuration guide for the Bogen NQ-GA20P2 Nyquist 20-watt integrated power amplifier, covering setup, network settings, firmware updates, and DSP parameter adjustments.</p>
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 <p>CC Series Amplifier Model CC4041 Installation and Use Manual</p>	<p><a href="#">Bogen CC4041 CC Series Amplifier Installation and Use Manual</a></p> <p>Installation and use manual for the Bogen CC4041 CC Series Amplifier, detailing its features, connections, operation, safety instructions, and technical specifications.</p>
 <p>BPA60 Power Amplifier Installation &amp; Use Manual</p>	<p><a href="#">Bogen BPA60 Power Amplifier Installation &amp; Use Manual</a></p> <p>Comprehensive installation and usage guide for the Bogen BPA60 60-watt mono-channel power amplifier, detailing technical specifications, safety precautions, connection diagrams, operation instructions, and warranty information.</p>
 <p>Platinum Series Public Address Amplifiers PS120-G2, PS240-G2 Installation and Use Guide</p>	<p><a href="#">Bogen Platinum Series PS120-G2, PS240-G2 Public Address Amplifier Installation and Use Guide</a></p> <p>Comprehensive installation and use guide for the Bogen Platinum Series Public Address Amplifiers, models PS120-G2 and PS240-G2. Covers features, operation, safety, troubleshooting, and technical specifications for professional audio installations.</p>
 <p>Input/Output Controller Configuration Guide NQ-E7010</p>	<p><a href="#">Bogen NQ-E7010 Nyquist Input/Output Controller Configuration Guide</a></p> <p>This guide provides comprehensive instructions for configuring the Bogen NQ-E7010 Nyquist Input/Output Controller. Learn to manage network settings, update firmware, access logs, and ensure secure access with the Bogen Digital Certification Authority.</p>
 <p>MCP35A Master Control Panel Installation &amp; Use Manual</p>	<p><a href="#">Bogen MCP35A Master Control Panel: Installation and Use Manual</a></p> <p>This manual provides detailed installation, operation, and technical specifications for the Bogen MCP35A Master Control Panel, a versatile system for two-way communication and program distribution in various environments.</p>