

QSC CP8-NA

QSC CP8 8-Inch Compact Powered Loudspeaker Instruction Manual

Brand: QSC | Model: CP8-NA

1. INTRODUCTION

The QSC CP8 8-Inch Compact Powered Loudspeaker is designed for high performance, superior quality, and lasting reliability. This ultra-compact and highly portable loudspeaker features a 1000-Watt peak power Class-D amplifier module, matching transducers, and advanced DSP for exceptional sound quality. It is suitable for various applications including main PA, stage monitor, or instrument amplification.

2. KEY FEATURES

- Compact and powerful performance; Light weight and highly portable.
- 1000 Watt peak power Class-D amplifier module.
- Easily selected contours for commonly-used applications.
- Advanced DSP with Intrinsic Correction for superior sound quality and speaker protection.
- Directivity Matched Transition (DMT) for consistent frequency response across the entire coverage area.
- Professional appearance looks great in any application.
- Use for main PA, stage monitor, or instrument amplifier with the option to elevate the speaker via the 35 mm pole socket.

3. SETUP

Before operating your QSC CP8 loudspeaker, ensure it is placed on a stable surface or mounted securely. The speaker can be used in various orientations: floor standing, as a stage monitor, or mounted on a speaker pole.



Figure 1: Front view of the QSC CP8 loudspeaker, showcasing its compact design and protective grille.



Figure 2: Rear panel of the QSC CP8 loudspeaker, detailing the input/output connections, gain controls, and DSP contour settings.

3.1 Connecting Power

1. Ensure the power switch on the rear panel is in the 'OFF' position.
2. Connect the provided power cord to the AC inlet on the rear panel.
3. Plug the other end of the power cord into a suitable AC power outlet.

3.2 Audio Connections

1. Connect your audio source (mixer, microphone, instrument, etc.) to the 'MIC/LINE' or 'LINE' input jacks on the rear panel.

2. Use the 'MIX OUT' XLR connector to send a mixed signal to another CP8 loudspeaker or a subwoofer.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

1. To power on, flip the power switch on the rear panel to the 'ON' position. The power LED on the front of the speaker will illuminate.
2. To power off, flip the power switch to the 'OFF' position.

4.2 Adjusting Volume and Gain

- Use the 'GAIN A+B' and 'GAIN C' knobs on the rear panel to adjust the input level for each channel. Start with the gain set low and gradually increase it to avoid distortion.
- The 'LIMITER' LED indicates when the internal limiter is active. Reduce the input gain if this LED is frequently lit.

4.3 DSP Contours

The CP8 features selectable DSP contours to optimize sound for different applications:

- **DEFAULT:** General purpose setting.
- **DANCE:** Enhanced bass response for music playback.
- **EXT SUB:** Optimized for use with an external subwoofer.
- **FLOOR MONITOR:** Reduces low-frequency build-up for stage monitoring.
- **SPEECH:** Enhances vocal clarity.

Select the appropriate contour using the switch on the rear panel.

4.4 Bluetooth Connectivity

The QSC CP8 supports Bluetooth for wireless audio streaming. Refer to the detailed instructions in the full user manual for pairing procedures with your device.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the loudspeaker. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the loudspeaker in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Always use the integrated handles when moving the loudspeaker. Avoid dropping or subjecting the unit to severe impacts.

6. TROUBLESHOOTING

- **No Sound:** Check all power and audio connections. Ensure the gain controls are set appropriately and the audio source is active. Verify the correct DSP contour is selected.
- **Distorted Sound:** Reduce the input gain. If the 'LIMITER' LED is constantly lit, the input signal is too high. Check the audio source for distortion.
- **Power Issues:** Ensure the power cord is securely connected and the power outlet is functioning.

7. SPECIFICATIONS

Feature	Detail
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Mounting Type	Floor Standing, Wall Mount
Material	Plastic
Model Name	CP8-NA
Speaker Type	Monitor
Special Feature	Portable
Recommended Uses	For main PA, stage monitor, instrument amplification, and portable PA systems
Compatible Devices	Laptop, MP3 Player, Smartphone, Tablet
Unit Count	1.0 Count
Color	Black
Product Dimensions	14"D x 20"W x 14"H
Item Weight	10 Pounds
Control Method	Touch
Wireless Communication	Bluetooth
Speaker Size	8 Inches
Power Source	Corded Electric
Woofer Diameter	20.32 Centimeters
Tweeter Diameter	1 Inches
Speaker Amplification Type	Active
Wattage	1000 watts
Frequency Response	20 KHz
Connectivity Technology	Auxiliary

8. WHAT'S IN THE BOX

- QSC CP8 8-Inch Compact Powered Loudspeaker
- User Manual
- Power Cord

9. WARRANTY AND SUPPORT

The QSC CP8 8-Inch Compact Powered Loudspeaker is protected by a global 3-year warranty with product registration. For detailed warranty information, technical support, or service inquiries, please visit the official QSC website or contact their customer service department.

For additional resources and product information, please visit the [QSC Store on Amazon](#).

