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› QSC K12.2 Active 12-inch Powered Loudspeaker User Manual

QSC K12.2

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Model: K12.2 | Brand: QSC

INTRODUCTION

The QSC K12.2 Active 12-inch Powered 2000 Watt Loudspeaker represents the next standard in powered loudspeakers, combining legendary QSC reliability with rugged ABS construction. This speaker features new advanced electronics, providing superior acoustic performance for more output with deeper bass and improved voice clarity. This manual provides essential information for the proper setup, operation, and maintenance of your K12.2 loudspeaker.

KEY FEATURES

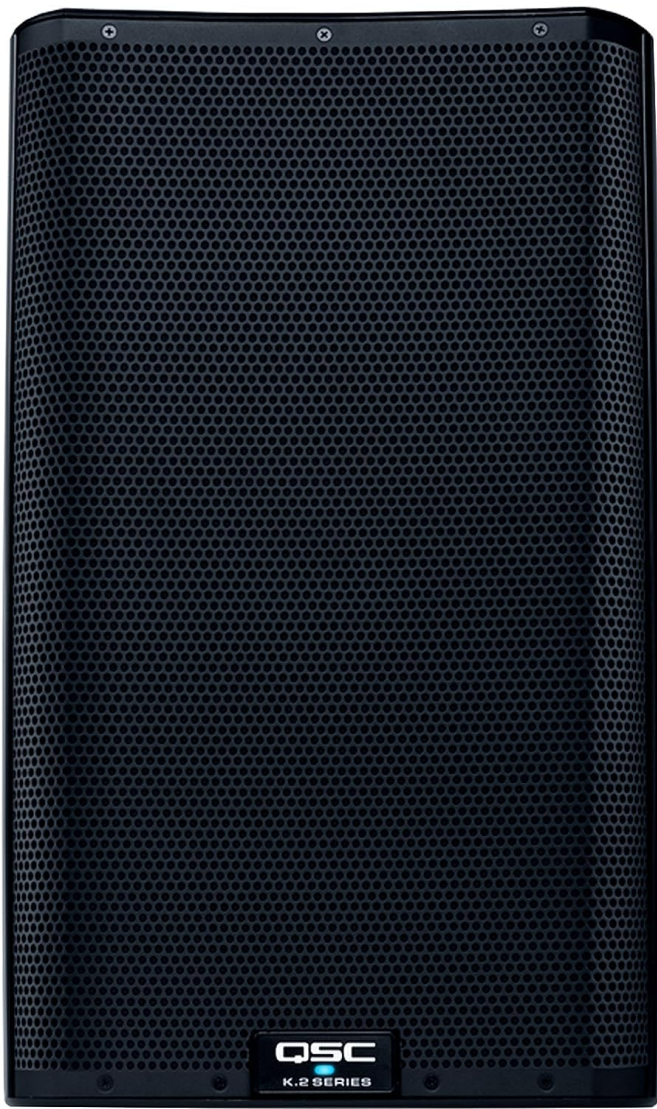


Figure 1: Front view of the QSC K12.2 Loudspeaker, showcasing its robust grille and sleek design.



Figure 2: Rear view of the QSC K12.2 Loudspeaker, highlighting the integrated control panel and connectivity options.

- **Best in class audio performance:** Experience superior sound quality with clear highs and deep lows.
- **Low-noise and variable speed fan:** Ensures optimal cooling and quiet operation.
- **2000 Watt Class-D amplifier module:** Delivers powerful and efficient audio output.
- **Factory Presets and savable/recallable Scenes:** Easily configure the loudspeaker for commonly-used applications such as stage monitor, dance music, musical instruments, or hand-held microphone.
- **Multi-function digital display:** Provides intuitive control and selection of loudspeaker functions, including crossover, EQ, delay, and preset contours.
- **Global 6-Year Warranty with product registration:** Ensures long-term reliability and support.

SETUP

Proper setup is crucial for optimal performance and safety. Ensure the loudspeaker is placed on a stable, level surface or securely mounted on a pole stand.



Figure 3: Bottom view of the loudspeaker, illustrating the dual-angle pole mount sockets for versatile placement.



Figure 4: The loudspeaker positioned for use as a stage monitor, demonstrating its adaptable design.

Placement

- For full-range sound, place the loudspeaker on a flat, stable surface or use a compatible speaker pole stand.
- When using as a stage monitor, utilize the angled side for optimal sound projection towards the performer.
- Ensure adequate ventilation around the rear panel to prevent overheating.

Connections

- Connect your audio source (mixer, instrument, microphone) to the appropriate input jacks on the rear panel. The K12.2 supports XLR, 1/4-inch TRS, and RCA inputs.
- Use the MIX OUT (POST GAIN) XLR output to send the mixed signal to another loudspeaker or audio device.
- Connect the included power cord to the AC INLET and a suitable power outlet.

OPERATING INSTRUCTIONS

The QSC K12.2 features an intuitive multi-function digital display and controls for easy operation.



Figure 5: Detailed view of the digital display and main control knob on the rear panel.



Figure 6: The digital display showing various settings and options for sound customization.

Powering On/Off

- Ensure all connections are secure before powering on.
- Locate the POWER switch on the rear panel and flip it to the 'ON' position. The 'POWER' LED will illuminate blue.
- To power off, flip the POWER switch to the 'OFF' position.

Adjusting Settings

- Use the multi-function digital display and rotary encoder knob to navigate through menus and adjust settings.
- **Gain Control:** Adjust GAIN A, GAIN B, and GAIN C knobs to set input levels for connected devices. Monitor the 'SIG' (Signal) and 'LIMIT' LEDs to prevent clipping.
- **LF/HF Switches:** Toggle these switches to adjust low-frequency (LF) and high-frequency (HF) response. Options include 'EXT SUB', 'NORM', 'DEEP' for LF, and 'VOCAL BOOST', 'FLAT' for HF.
- **Presets:** Select from various factory presets optimized for different applications (e.g., Dance, Live, Monitor).
- **Scenes:** Save and recall your custom settings for quick setup in recurring scenarios.
- **Front LED:** Control the behavior of the front panel LED (PWR, LIMIT, OFF).

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your QSC K12.2 loudspeaker.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the loudspeaker. For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth. Avoid abrasive cleaners or solvents.
- **Grille Care:** Periodically inspect the front grille for any debris or damage. Gently clean with a soft brush or vacuum.

cleaner if necessary.

- **Ventilation:** Ensure the rear panel's fan and vents are free from dust and obstructions to maintain proper airflow and prevent overheating.
- **Storage:** When not in use, store the loudspeaker in a cool, dry place, ideally in a protective cover or case to prevent dust accumulation and physical damage.
- **Cable Inspection:** Regularly check all audio and power cables for signs of wear, fraying, or damage. Replace any damaged cables immediately.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your QSC K12.2 loudspeaker.

Problem	Possible Cause	Solution
No Sound Output	Power not connected or turned on; Input gain too low; Muted source; Damaged cable.	Check power connection and switch; Increase input gain; Verify audio source is not muted; Test with different cables.
Distorted Sound	Input signal too high (clipping); Speaker overloaded; Incorrect EQ settings.	Reduce input gain; Check 'LIMIT' LED and reduce volume if lit; Adjust EQ settings to 'FLAT' or appropriate preset.
No Power LED	No power to unit; Faulty power cable.	Ensure power cable is securely plugged into both the loudspeaker and a working outlet; Try a different power cable.
Overheating	Blocked ventilation; Prolonged high-volume use in hot environment.	Ensure vents are clear; Reduce volume or allow speaker to cool down in a well-ventilated area.

SPECIFICATIONS

Feature	Detail
Mounting Type	Floor Standing
Model Name	QSC
Speaker Type	Bookshelf
Special Feature	Display, Portable
Compatible Devices	Laptop, Personal Computer, Smartphone
Subwoofer Diameter	12 Inches

Feature	Detail
Unit Count	1.0 Count
Controller Type	Corded Electric
Surround Sound Channel Configuration	2.0
Color	MultiColored
Included Components	Loudspeaker
Product Dimensions	26"D x 19"W x 19"H
Item Weight	10 Pounds
Is Waterproof	FALSE
Warranty Type	Full
Maximum Range	1 Meters
Number of Items	1
Control Method	App
Speaker Size	12 Inches
Power Source	Corded Electric
Woofer Diameter	12 Inches
Vehicle Service Type	Car
Water Resistance Level	Not Water Resistant
EU Spare Part Availability Duration	6 Years
Audio Driver Type	Dynamic Driver
Audio Driver Size	12 Inches
Connectivity Protocol	XLR
Includes MP3 player?	No
Series Number	2
UPC	642892818402
Style	K12.2 12" Loudspeaker
Global Trade Identification Number	00684284065520
Manufacturer	QSC

Feature	Detail
Item Weight	10 pounds
ASIN	B06Y477LND
Item model number	K12.2
Is Discontinued By Manufacturer	No
Date First Available	April 7, 2017
Color Name	MultiColored
Speaker Amplification Type	Active
Standing screen display size	1.75
Wattage	2000 watts
Brand	QSC
Speaker Maximum Output Power	2000 Watts
Connectivity Technology	XLR
Audio Output Mode	Stereo
Input Voltage	240 Volts

WARRANTY AND SUPPORT

Warranty Information

The QSC K12.2 Loudspeaker comes with a **Global 6-Year Warranty** upon product registration. This warranty covers defects in materials and workmanship under normal use.

Extended Protection Plans

For additional peace of mind, consider purchasing an extended protection plan:

- **2-Year Protection Plan:** Available for \$79.99 USD.
- **3-Year Protection Plan:** Available for \$99.99 USD.
- **Complete Protect:** One plan covers all eligible past and future purchases for \$16.99/month.

Additional Resources

- **User Manual (PDF):** [Download Here](#)
- **User Guide (PDF):** [Download Here](#)
- **Visit the QSC Store:** [QSC Official Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Where can I find the power supply electrical schematic for the QSC K12.2 loudspeaker to troubleshoot power cycling issues?

Official electrical schematics for the QSC K12.2 power supply are generally not included in the standard user manual, as these components are considered complex and require specialized repair methods. QSC recommends that all internal...

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