

BOSS KC-80

Roland KC-80 3-Ch Mixing Keyboard Amplifier User Manual

Model: KC-80 | Brand: BOSS

INTRODUCTION

For over two decades, keyboard players everywhere have relied on Roland’s KC amps for their powerful high-fidelity sound, onboard mixing features, versatile connectivity, and lasting durability. The latest generation carries on the time-honored KC benchmark of quality while offering new enhancements tuned for the needs of today’s working musicians. With a KC amp by your side, you’re in complete control of your stage rig, so you’ll always sound great and play your best. The 50-watt KC-80 is a miniature powerhouse with three line input channels, a dedicated aux input, and support for an XLR vocal mic. Compared to the previous-generation KC-60, the power section has been completely redesigned for higher output, better stability, and enhanced bass reproduction. In addition, the 10-inch woofer has been upgraded for improved sound quality. If desired, the low-end performance can be extended by driving a powered subwoofer from the KC-80’s Sub Out jack.

KEY FEATURES

- Compact and affordable keyboard amplifier with 50 watts of power.
- Redesigned power amp and power supply sections provide increased stability and improved bass reproduction.
- Custom two-way speaker system with newly developed 10-inch woofer and tweeter.
- Onboard mixing with three 1/4-inch input channels, dedicated auxiliary input with 1/8-inch and RCA jacks, and master EQ.
- XLR mic input, 1/4-inch line output, headphones output, and sub output.

WHAT'S IN THE BOX

- 1 Amplifier

SETUP GUIDE

1. Unpacking and Placement

Carefully remove the KC-80 amplifier from its packaging. Place the amplifier on a stable, flat surface. Ensure there is adequate ventilation around the unit to prevent overheating. Avoid placing it near heat sources or in direct sunlight.



Figure 1: Front view of the Roland KC-80 Keyboard Amplifier, showing the speaker grille and Roland logo.

2. Power Connection

Connect the supplied power cable to the AC IN jack on the rear panel of the KC-80. Plug the other end of the power cable into a suitable AC outlet. The KC-80 supports 100V, 115V, 220V, 230V, and 240V power sources. Ensure the

voltage selector switch (if present on your model) is set correctly for your region before plugging in.



Figure 2: Rear panel of the KC-80, highlighting the AC IN jack and various input/output connections.

3. Instrument Connections

The KC-80 features three 1/4-inch input channels (CH1, CH2, CH3) and a dedicated auxiliary input (AUX IN) with 1/8-inch stereo and RCA jacks. Connect your keyboard or other instruments to the appropriate input channels. For microphones, use the XLR mic input on CH1.



Figure 3: Top panel of the KC-80, illustrating the control knobs for each channel, equalizer, master volume, and headphone jack.

4. External Connections (Optional)

For extended low-end performance, connect a powered subwoofer to the SUB OUT jack. Use the 1/4-inch LINE OUT jack to send the mixed signal to a PA system or recording device. A headphones output is also available for silent practice.

OPERATING INSTRUCTIONS

1. Powering On/Off

Turn on the KC-80 by pressing the POWER switch after all connections are made. To turn off, press the POWER switch again. Always turn off the amplifier before disconnecting any cables.

2. Adjusting Volume Levels

Each input channel (CH1, CH2, CH3, AUX IN) has its own volume knob. Adjust these to balance the levels of your connected instruments and microphone. The MASTER knob controls the overall output volume of the amplifier.

3. Using the Equalizer

The KC-80 features a 2-band equalizer with HIGH and LOW controls. Adjust these knobs to shape the overall tone of your sound. Turn the HIGH knob clockwise to boost treble frequencies for a brighter sound, or counter-clockwise to reduce them. Similarly, use the LOW knob to adjust bass frequencies for more warmth or clarity.

4. Headphone Use

Plug standard stereo headphones into the PHONES jack for private monitoring. When headphones are connected, the

main speaker output will be muted.

MAINTENANCE

Cleaning

To clean the amplifier, use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Do not use abrasive cleaners, waxes, or solvents, as these can damage the finish and internal components.

Storage

When not in use for extended periods, store the amplifier in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to cover the unit to protect it from dust.

Ventilation

Ensure that the ventilation openings on the amplifier are not blocked. Proper airflow is crucial for preventing internal component damage due to heat buildup.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound Output	Power not connected; Volume knobs turned down; Incorrect input connection; Headphones plugged in.	Check power cable and outlet; Increase MASTER and channel volumes; Ensure instruments are connected to correct inputs; Disconnect headphones.
Distorted Sound	Input signal too high; EQ settings incorrect; Damaged cable.	Reduce instrument output volume or channel gain; Adjust EQ knobs; Try a different cable.
Hum or Noise	Ground loop; Nearby electronic interference; Faulty cable.	Ensure all equipment is on the same power circuit; Move amplifier away from other electronics; Replace cables.

SPECIFICATIONS

Model: KC-80

Brand: BOSS

Output Wattage: 120 Watts (Note: Product description states 50-watt, specifications state 120 Watts. Refer to official product documentation for precise rating.)

Item Weight: 11 pounds

Product Dimensions: 39.37 x 39.37 x 39.37 inches

Color: black

Material: Metal

Power Source: Corded Electric

Compatible Devices: Keyboard

Connector Type: aux, rca, xlr

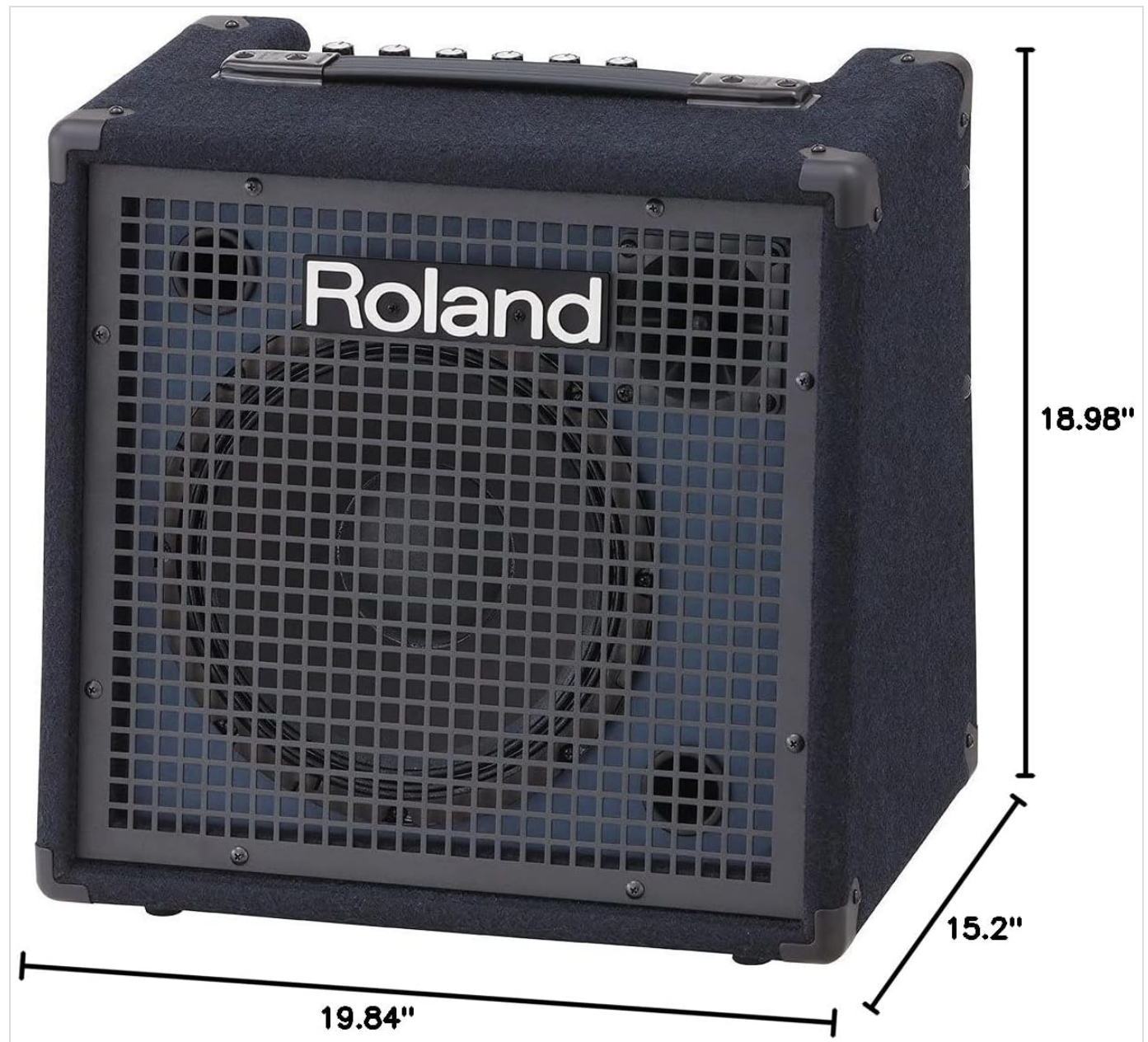


Figure 4: Diagram showing the physical dimensions of the Roland KC-80 Keyboard Amplifier.

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official BOSS (Roland) website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Official BOSS Website: www.boss.info

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Question

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