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› TOPPING DX5 II Hi-Res DAC & Headphone Amp Combo User Manual

TOPPING DX5 II

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Model: DX5 II

PRODUCT OVERVIEW

The TOPPING DX5 II is a versatile Hi-Res DAC (Digital-to-Analog Converter) and Headphone Amplifier combo unit designed for audiophiles. It features dual ES9039Q2M DAC chips for high-resolution audio, an X-Hybrid headphone amplifier, and extensive connectivity options. This manual provides detailed instructions for setup, operation, and maintenance of your DX5 II.

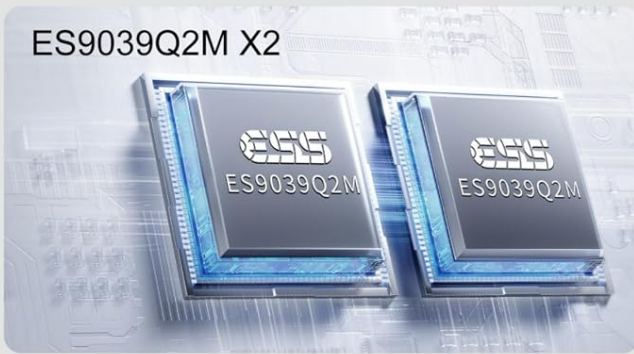


Image: Front view of the TOPPING DX5 II in white, alongside its remote control. The device features a display screen and control knob.

TOPPING DX5 II

Fully Balanced DAC & Headphone Amp Combo

ES9039Q2M X2



X-Hybrid Headphone
Amplifier Circuit



Hi-Res
certification



10-band
high-precision PEQ



BT 5.1 Support LDAC

DSD
512native

PCM
PCM768kHz

133dB

Dynamic range



Aurora UI

Image: A visual summary of the TOPPING DX5 II's core features, including its dual DAC chips, amplifier circuit, audio certifications, and user interface.

Key Features:

- **Dual ESS9039Q2M DAC Chips:** Delivers high-resolution audio with ultra-low distortion and noise, supporting PCM768kHz/32bit and DSD512 decoding.
- **Powerful Balanced Headphone Amp:** Features an X-Hybrid headphone amplifier circuit with a fully balanced quad-channel design, offering an impressive 7600mW x2 output.
- **10-Band High Precision PEQ Adjustment:** Allows precise tuning of your audio system for an ideal sound signature.
- **Bluetooth 5.1 & LDAC Wireless DAC:** Supports LDAC, aptX Adaptive, aptX HD, AAC, and SBC codecs.
- **Aurora UI with Full-Color Display:** Vibrant 2.0" screen with 9 customizable themes and an intuitive pressable knob.
- **Extensive Connectivity & Plug-and-Play:** USB/Bluetooth/Coaxial SPDIF/Optical SPDIF input with XMOS XU316, compatible with Windows, Mac, Linux, iOS, and Android.
- **12V Trigger & Active Speaker Friendly:** Supports 12V Trigger in/out for seamless integration and preamp mode for direct volume control.

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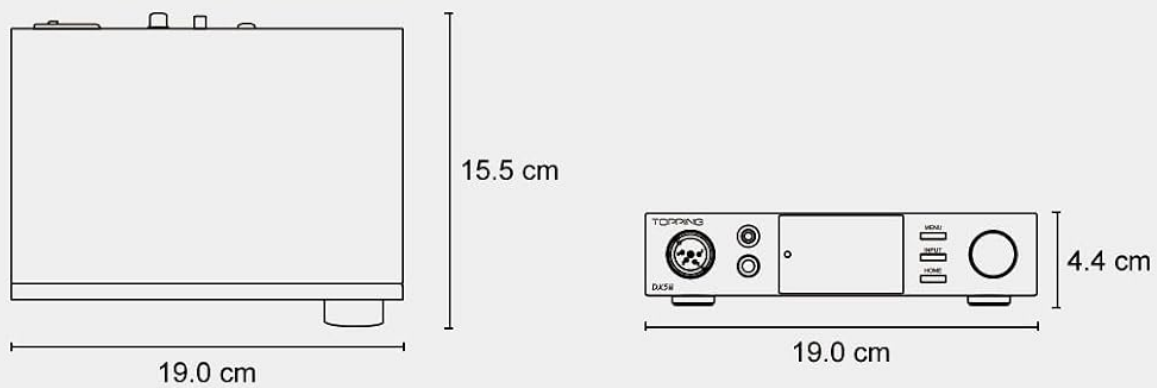
Video: An official product video from Toppingaudio showcasing the features and design of the DX5 II DAC AMP Combo.

SETUP GUIDE

Follow these steps to set up your TOPPING DX5 II for optimal performance.

1. Unpacking and Inspection

Carefully remove all components from the packaging. Ensure all items listed in the "What's in the Box" section are present and undamaged.



Contents list



DX5 II

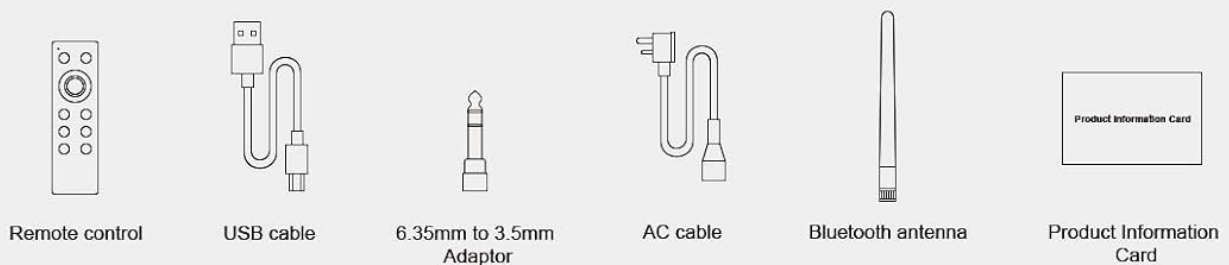


Image: Contents of the DX5 II package, including the main unit, remote, cables, and adapter.

2. Connecting Power

Connect the supplied AC power cable to the power input on the rear panel of the DX5 II and then to a suitable wall outlet. Ensure the power switch on the rear is in the OFF position before connecting.

3. Input Connections

The DX5 II offers multiple input options:

- **USB Input:** Connect your computer (Windows, Mac, Linux) or mobile device (iOS, Android) using the provided USB cable.
- **Coaxial SPDIF Input:** Use a coaxial cable to connect to digital audio sources.
- **Optical SPDIF Input:** Use an optical cable to connect to digital audio sources.
- **Bluetooth Input:** For wireless audio streaming, ensure the Bluetooth antenna is securely attached to the BT port.



Image: Rear panel of the DX5 II, detailing all available input and output connections.

4. Output Connections

Choose your preferred output method:

- **Headphone Outputs:** Connect headphones to either the 4.4mm balanced or 6.35mm single-ended headphone jacks on the front panel.
- **Line Outputs (RCA/XLR):** Connect to active speakers or a power amplifier using the balanced XLR or unbalanced RCA outputs on the rear panel.
- **12V Trigger:** Use the 12V Trigger in/out ports to synchronize power with other compatible audio equipment.

LDAC wireless available

Equipped with QCC5125 chip, DX5 II supports Bluetooth 5.1 and can support up to 96kHz/24bit. Also it fully supports LDAC/aptX-Adaptive/aptX/aptX HD/AAC/SBC and other audio encodings, allowing high-quality audio to be transmitted wirelessly to provide a music experience beyond CD level.



Image: The DX5 II (black version) integrated into a desktop audio setup with active speakers, demonstrating a typical connection scenario.

Directly connect active speaker to adjust volume

DX5 II also features a "preamp" mode. In preamp mode, you can adjust the output volume of DX5 II, then connect it directly to a pure amplifier or active speaker without the need for a separate preamplifier. Both input and output interfaces of the DX5 II come with volume memory functionality, enabling the device to automatically restore the last set volume when switching outputs—allowing for a quick return to your familiar listening environment.



Image: The DX5 II (white version) integrated into a desktop audio setup with active speakers, demonstrating a typical connection scenario.

OPERATING INSTRUCTIONS

Learn how to navigate the DX5 II's features and optimize your listening experience.

1. Powering On/Off

After all connections are made, flip the power switch on the rear panel to the ON position. The Aurora UI screen will illuminate.

2. Front Panel Controls



Image: Detailed view of the DX5 II's front panel, highlighting the display and control interface.

- **Control Knob:** Rotate to adjust volume. Press to confirm selections or enter menus.
- **MENU Button:** Access the main settings menu.
- **INPUT Button:** Cycle through available input sources (USB, Coaxial, Optical, Bluetooth).
- **HOME Button:** Return to the main display screen.

3. Aurora UI and Display Options

The 2.0" full-color Aurora UI offers various display modes and customizable themes. Navigate to the 'Display' settings via the MENU button to change themes, brightness, and meter types (e.g., VU meter, spectrum analyzer).



Image: Examples of the customizable display options available on the Aurora UI screen.

4. Bluetooth Pairing

To pair a Bluetooth device:

1. Select Bluetooth as the input source using the INPUT button.
2. On your mobile device, search for "DX5 II" in the Bluetooth settings and connect.
3. The DX5 II supports LDAC, aptX Adaptive, aptX HD, AAC, and SBC codecs for high-fidelity wireless streaming.

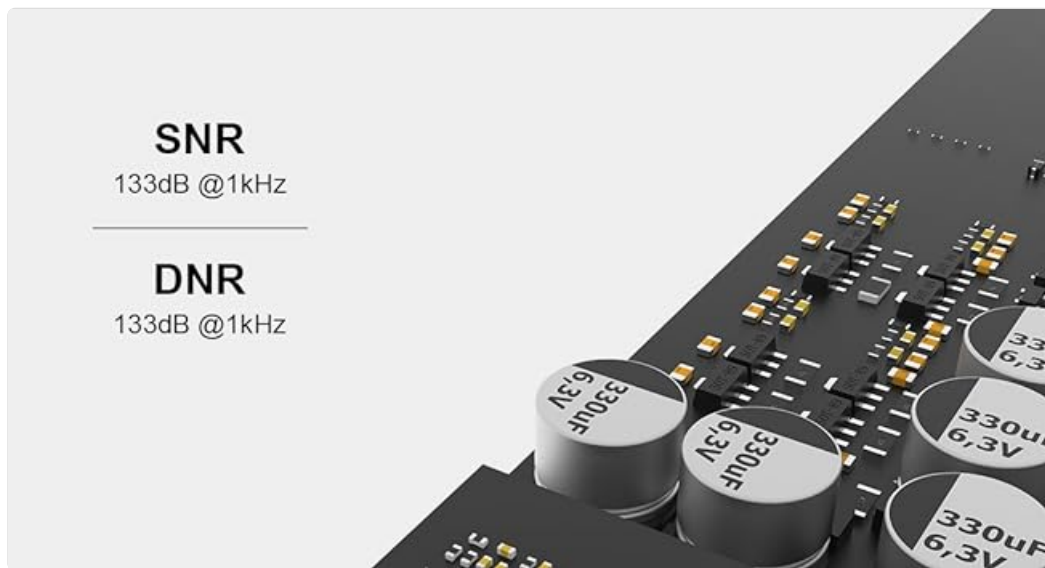


Image: A smartphone displaying a successful Bluetooth connection to the DX5 II, illustrating the wireless audio capability.

5. 10-Band PEQ Adjustment

The DX5 II features a 10-band parametric equalizer (PEQ) for precise sound customization. Access the PEQ settings through the MENU to adjust frequency bands, gain, and Q-factor to tailor the audio output to your preferences or room acoustics.



Image: The graphical interface for the 10-band PEQ, allowing detailed audio equalization.

6. Preamp Mode

When connected to active speakers or a pure amplifier, the DX5 II can operate in preamp mode, allowing its volume control to directly adjust the output level. This eliminates the need for a separate preamplifier. The device remembers the last set volume when switching outputs.

MAINTENANCE

Proper care will ensure the longevity and performance of your DX5 II.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior. Avoid abrasive cleaners or solvents.
- **Ventilation:** Ensure adequate airflow around the unit. Do not block ventilation openings.
- **Environment:** Keep the device away from excessive heat, humidity, dust, and direct sunlight.
- **Connections:** Periodically check all cable connections to ensure they are secure.

TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off	Check power cable connection; Ensure rear power switch is ON
No sound output	Incorrect input selected; Volume too low; Output device not connected	Press INPUT to cycle sources; Increase volume; Check headphone/speaker connections
Bluetooth not connecting	DX5 II not in pairing mode; Device too far; Interference	Ensure Bluetooth input is selected; Move device closer; Reduce interference sources
Distorted audio	Input signal too high; Cable issues; PEQ settings	Reduce source volume; Check/replace cables; Reset PEQ to default or adjust

If the problem persists, please contact TOPPING customer support.

SPECIFICATIONS

Feature	Detail
Brand	TOPPING
Model Number	DX5 II
DAC Chips	Dual ES9039Q2M
Headphone Amp	X-Hybrid, Fully Balanced Quad-Channel
Max Headphone Output	7600mW x2
PCM Decoding	Up to 768kHz/32bit
DSD Decoding	Up to DSD512 Native
Bluetooth Version	5.1 (QCC5125)
Bluetooth Codecs	LDAC, aptX Adaptive, aptX HD, AAC, SBC
Display	2.0" Aurora UI Full-Color Screen
Inputs	USB, Bluetooth, Coaxial SPDIF, Optical SPDIF
Outputs	4.4mm Balanced Headphone, 6.35mm Single-Ended Headphone, Balanced XLR Line Out, Unbalanced RCA Line Out
Dimensions (W x D x H)	7.48" x 6.1" x 1.73" (19.0 cm x 15.5 cm x 4.4 cm)
Weight	4.2 pounds
Material	Plastic, Metal

Feature	Detail
Color	White (as per current product)

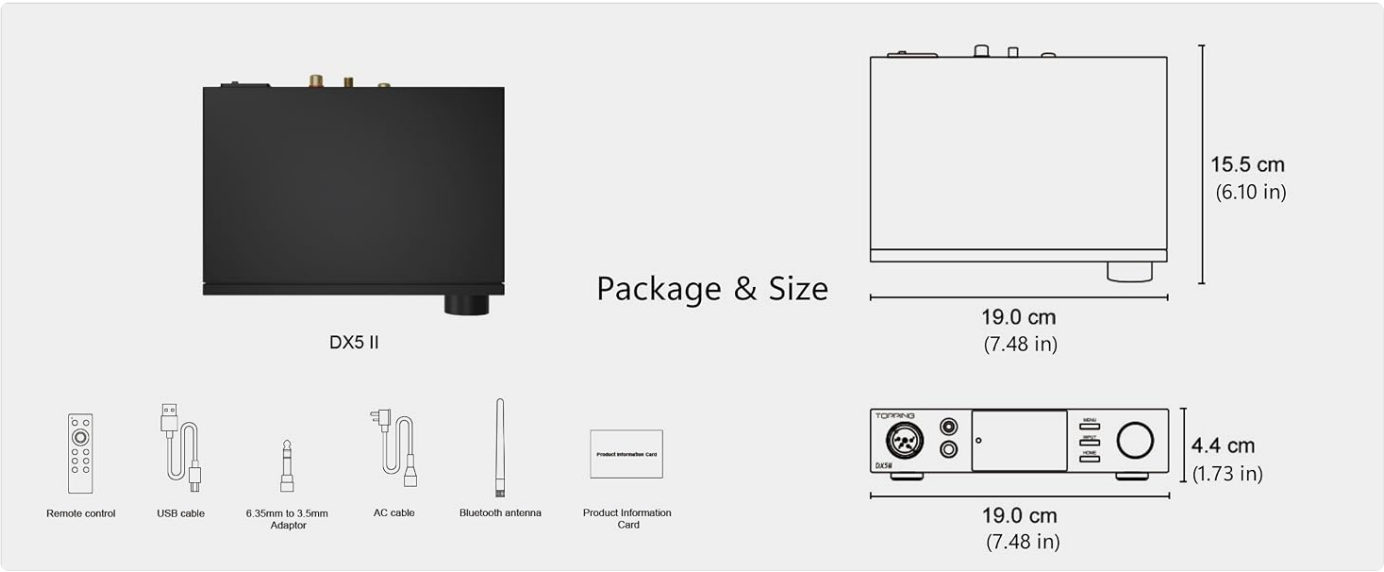


Image: Technical drawing illustrating the dimensions of the DX5 II and its accessories.

WHAT'S IN THE BOX

- TOPPING DX5 II Unit
- Remote Control
- USB Cable
- 6.35mm to 3.5mm Adapter
- AC Power Cable
- Bluetooth Antenna
- Quick Start Guide
- Product Information Card

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the Product Information Card included in your package or visit the official TOPPING website. Keep your purchase receipt for warranty claims.

Manufacturer: TOPPING

Contact: Refer to the official TOPPING website or included documentation for support contact details.

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

On the TOPPING DX5 II, the EQ is not working and says it is disabled even though the firmware is updated. How do I enable the EQ?

To enable and configure the Equalizer (PEQ) on your TOPPING DX5 II, follow these steps using the device's Aurora UI: Access the Menu: Press the MENU button on the front panel or the remote control...

[Read full answer](#)