

Aune X1sGT

Aune X1s GT Hi-Res DAC User Manual

Model: X1s GT

1. PRODUCT OVERVIEW

The Aune X1s GT is an advanced Hi-Res Digital-to-Analog Converter (DAC) and headphone amplifier, designed to deliver high-fidelity audio performance. It features a precise PLL core, external clock support, and a fully-discrete balanced headphone amplifier, making it suitable for various audio setups including PC, mobile devices, and dedicated audio transports.



Figure 1: Front view of the Aune X1s GT Hi-Res DAC.

Key Features:

- **High-Resolution Audio Decoding:** Supports USB input up to 32 bit/768 kHz DSD512 and Coaxial input up to 24 bit/384 kHz DoP128.
- **External Clock Support:** Features PLL technology and a 10MHz external clock input for enhanced audio precision.

- **Clock Synchronization:** Ensures low jitter and natural sound by feeding the digital and DAC parts with the same clock source.
- **Powerful Headphone Amplifier:** Utilizes a fully-discrete balanced headphone amplifier circuit with 4x24 BJTs and a $\pm 9V$ power supply.
- **Exceptional Specifications:** Achieves THD+N as low as 0.00013% and a noise floor as low as 1.92 μV .

2. SETUP GUIDE

2.1 Unboxing and Initial Inspection

Carefully remove the Aune X1s GT from its packaging. Verify that all components, including the Quick Start Guide, are present and that the device is free from any visible damage.

2.2 Connecting Your Device

The Aune X1s GT offers multiple input and output options. Refer to the diagram below for port identification.



Figure 2: Aune X1s GT front and rear panel connections.

1. **Power Connection:** Connect the provided power adapter to the "Power In" port on the rear panel and then to a suitable power outlet.

Caution: This device operates on 110V. Please check your local voltage before placing an order.

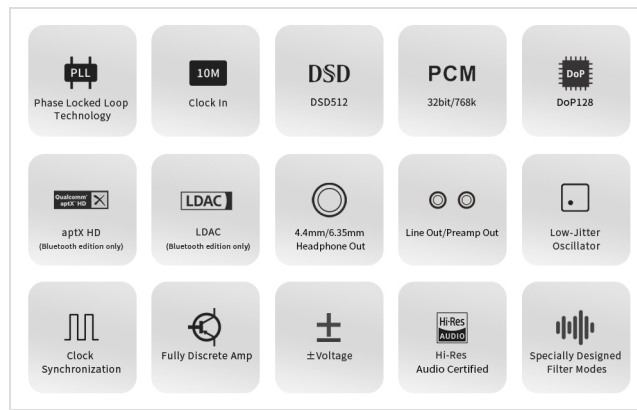


Figure 3: Important voltage compatibility notice.

2. Input Connections:

- **USB Input:** Connect your computer, smartphone (with OTG adapter), or digital player to the "USB" port using a compatible USB cable.
- **Coaxial Input:** Connect devices such as CD players or digital transports to the "COAX" port using a coaxial cable.
- **Optical Input:** Connect devices to the "OPT" port using an optical cable.
- **External Clock Input:** For advanced users, connect a 10MHz external clock (e.g., Aune XC1) to the "External Clock Input" port.

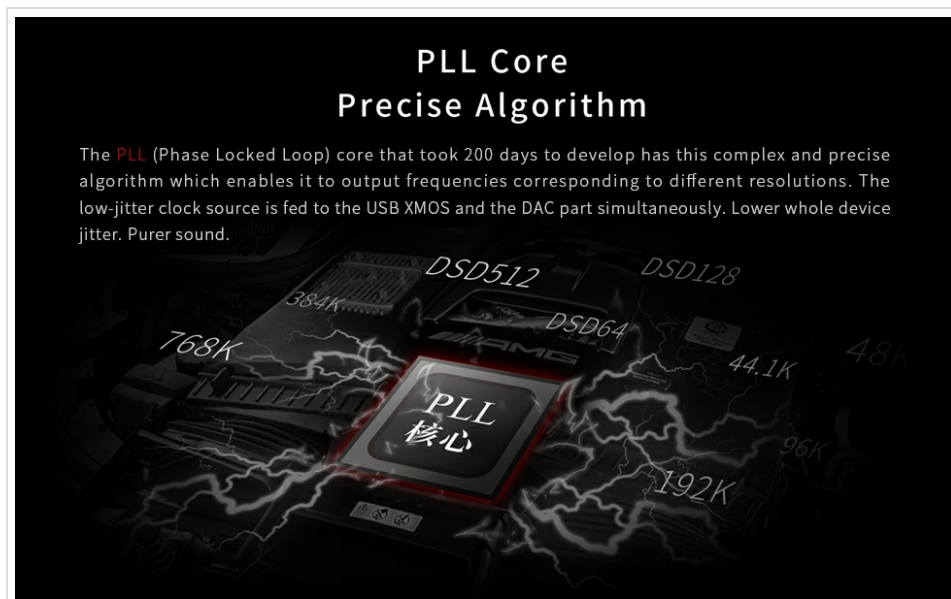


Figure 4: Multi-connectivity options for the Aune X1s GT.

3. Output Connections:

- **Headphone Output:** Connect your headphones to either the 6.35mm or 4.4mm balanced headphone jack on the front panel.
- **RCA Preamp Output:** Connect to an external power amplifier or active speakers using RCA cables.
- **RCA Line Output:** Provides a fixed line-level output for connection to an integrated amplifier or receiver.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

Locate the power switch on the rear panel. Flip the switch to the "On" position to power on the device. The indicator lights on the front panel will illuminate. Flip the switch to "Off" to power down.

3.2 Input Selection

Press the "Input" button on the front panel to cycle through the available input sources: USB, OPT (Optical), COAX (Coaxial), and B/C (Bluetooth, if applicable to your model). The corresponding indicator light will show the active input.

3.3 Volume Control

Adjust the large rotary volume knob on the front panel to control the output level for headphones and the Preamp Output. The Line Output provides a fixed level and is not affected by the volume knob.

3.4 Filter Modes

The X1s GT features specially designed filter modes to optimize sound for different listening scenarios. These modes are distinct from standard ES9038 series default filters and are controlled by an internal algorithm:

- **Mode 1:** General use.
- **Mode 2:** Optimized for headphones.
- **Mode 3:** Pure mode for general use.
- **Mode 4:** Pure mode for headphones.

Refer to the Quick Start Guide or product interface for instructions on how to switch between these modes.



Figure 5: PLL Core and supported frequencies.

3.5 High-Resolution Audio Playback

The X1s GT is capable of decoding high-resolution audio from various sources:

- **From Computer:** Connect via USB. The X1s GT can support up to 32bit/768kHz DSD512, allowing playback of Hi-Res music files or content from online libraries like Apple Music HiFi.
- **From Smartphone/Pad:** Connect via USB (OTG cable may be required). This transforms your mobile device into a high-quality streaming media center.
- **From Digital Transport/CD Player:** Connect via Coaxial or Optical input. The X1s GT supports up to PCM

384kHz and DSD128 via Coaxial.



Video 1: Official product video showcasing the Aune X1s GT Hi-Res DAC features and design.

4. MAINTENANCE

4.1 Cleaning

To maintain the appearance and functionality of your Aune X1s GT, regularly wipe the exterior with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish or internal components.

4.2 General Care

- Keep the device in a cool, dry place away from direct sunlight, heat sources, and excessive humidity.
- Ensure proper ventilation around the unit to prevent overheating.
- Avoid placing heavy objects on top of the device.
- Disconnect the power adapter during lightning storms or when the unit is left unused for extended periods.

5. TROUBLESHOOTING

If you encounter issues with your Aune X1s GT, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off; Faulty power outlet.	Ensure power cable is securely connected. Flip power switch to "On". Try a different power outlet.
No sound output	Incorrect input selected; Volume too low; Output device not connected or faulty; Driver issues (for USB).	Verify correct input is selected. Increase volume. Check headphone/speaker connections. Reinstall USB drivers on your computer if necessary.
Distorted sound	Input signal too high; Faulty cables; Incorrect filter mode.	Reduce input volume from source. Replace cables. Try different filter modes.
Device not recognized by computer	USB cable issue; Driver not installed or corrupted; USB port issue.	Try a different USB cable and USB port. Install or update the latest drivers from Aune's official website. Restart computer.

If the problem persists after attempting these solutions, please contact Aune customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Model Number	X1sGT
USB Input Support	Up to 32 bit/768 kHz DSD512
Coaxial Input Support	Up to 24 bit/384 kHz DoP128
Headphone Outputs	4.4mm Balanced, 6.35mm Single-Ended
Analog Outputs	RCA Preamp Out, RCA Line Out
External Clock Support	10MHz
THD+N	As low as 0.00013%
Noise Floor	As low as 1.92 μ V
Power Supply	\pm 9V (internal amplifier section)
Dimensions (Package)	9.69 x 7.2 x 4.49 inches
Weight (Package)	4.21 Pounds
Country of Origin	China

7. WARRANTY AND SUPPORT

Aune is committed to providing excellent customer service and product support.

7.1 Warranty Information

All Aune products come with a **2-year after-sales service**. This warranty covers manufacturing defects and ensures that your product functions as intended under normal use conditions.

7.2 Customer Support

Should you encounter any issues or have questions regarding your Aune X1s GT, please contact our customer support team. We have a dedicated after-sales system to address your concerns promptly and provide satisfactory solutions.

For support, please visit the official Aune website or contact the seller directly through your purchase platform.

Note: If you receive a product with traces of use, it may be due to logistics or warehousing. Please communicate with us to resolve the issue.

Documents - Aune – X1sGT



[\[pdf\]](#) User Manual Specifications Dimension Guide Accessories

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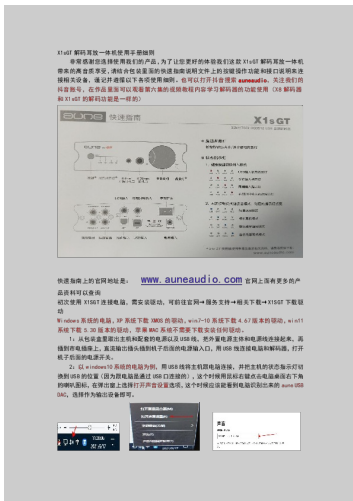
X1S GT USB 32bit/768k DSD DAC/Headphone Amplifier /UserManual Preface

DearCustomers: Thanks for purchasing the aune X1s GT and congratulations on choosing this high quality DAC with headphoneamplifier.

WesincerelyhopetheX1sGTwillbringyouexcellentHi-Fiexperience.

Pleasereadthismanualcarefullybef...

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X1S GT USB 32bit/768k DSD DAC/Headphone Amplifier /Manual auneX1X1sGT

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PREAMP OUT AUDIO OUT OPT USB USB POWER IN X1sGT 768KDSD512USB

384kDoP128 : USB:32bit/768kDSD512 MAX Coaxial/AES:24bit/3...

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Product: Aune Audio DAC
Model: Flamingo-BT Tube DAC
Additional Model: u76667y, FLAMINGO-BD Tube DAC, FLAMINGO-SP Tube DAC,
FLAMINGO-NP Tube DAC, X8 XVIII-BT DAC, S9C DAC,
S10 NP0AC, A8DAC, X55 NP DAC, S8C DAC, A6 DAC,
X15QGT-BT DAC, BL2 DAC, M19P NP0 DAC, B2DAC, M6DAC,
CP1, X5e 8th Anniversary BT, X8 18th Anniversary Edition-BT
DAC, X1s GT BT Hi-Res DAC, Flamingo-BT DAC
Trademark: aune

Your assistance on this matter is highly appreciated.

Yours sincerely,

Signature: _____
Date: 2022/11/01

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Administrator Flamingo

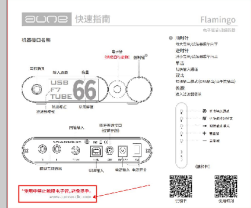
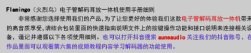
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