

aune®

X7S Pro

Class-A Headphone Amplifier With Balanced Output

User Manual

Preface

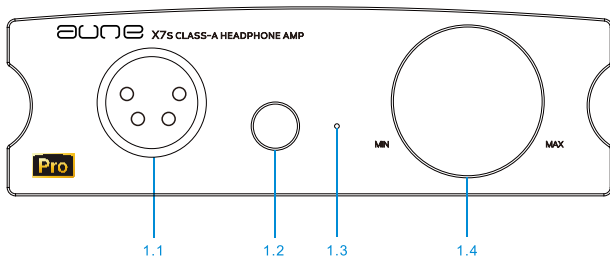
Dear Customers,

Thanks for purchasing the X7s Pro and congratulations on choosing this high-quality class-A headphone amplifier.

We sincerely hope the brand new X7s Pro will bring you great listening pleasure.

To fully appreciate the capabilities of the X7s Pro, please read the following manual carefully and completely before using the product.

View of front panel and name of each part



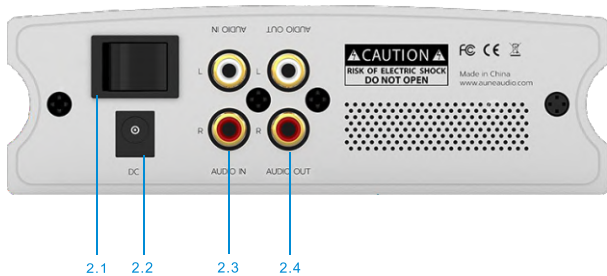
1.1 Balanced XLR headphone output socket

1.2 6.35mm headphone jack

1.3 Power indicator

1.4 Volume knob

View of rear panel and name of each part



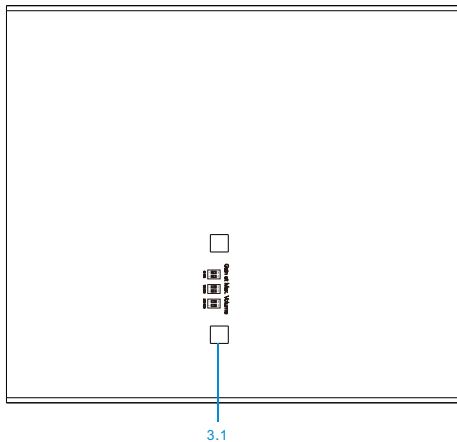
2.1 Power switch

2.2 Power input

2.3 Line input

2.4 Pre-amp output

View of bottom panel and name of each part



3.1 Gain controls of the headphone output

Introduction

The X7s Pro is the latest class-A balanced output headphone amplifier of aune with eight T0220 transistors and the design of clas-A biasing. It has 4 headphone amplifiers within to build the balanced headphone socket and the single-ended headphone port. It can also be used as a pre-amplifier. The X7s Pro is a mini desktop class-A headphone amplifier with great power and rich sound.

Specifications

Input:RCA

Output: RCA (when used as a pre-amplifier)

Singled-ended port:6.35mm headphone port

Balanced output:4-pin balanced XLR headphone output socket

Frequency response:20Hz-200kHz \pm 0.3dB

Distortion:

TYP THD+n <0.00014% @1kHz 300 Ω

TYP THD+n <0.00013% @1kHz 300 Ω XLR

IMD:

TYP CCIF IMD <0.00036%

TYP CCIF IMD <0.00057% XLR

Output power:

MAX OUTPUT POWER=250mW @300 Ω

MAX OUTPUT POWER=1000mW @300 Ω XLR

Dimensions:145 x 45 x 171 (mm)

Net Weight:2kg

Gross Weight:2.5kg

Accessories: Power cord, quick start guide, 6.35mm to 3.5mm adapter x 1

OPERATING INSTRUCTIONS

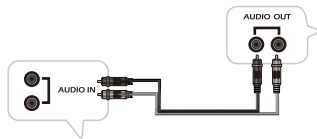
AS A HEADPHONE AMPLIFIER

1. Connect "AUDIO OUT"/"LINE OUT" of the sound source (e.g. aune X8/X5s) to "AUDIO IN" of the X7s Pro

2. Plug the headphones into the X7s Pro

3. Set the volume to minimum before putting on the headphones

Notice: Please adjust the gain control on the bottom panel according to the headphones.



Pairing with aune X1s DAC



Rear panel

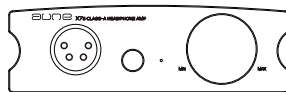
Caution:

It is prohibited to use the two headphone ports at the same time.



Balanced female socket definition

- 1 L+ Left channel+
- 2 L- Left channel-
- 3 R+ Right channel+
- 4 R- Right channel-



Front panel



Balanced headphone output socket for your balanced headphones



6.35mm headphone port for your headphones

OPERATING INSTRUCTIONS

AS A PRE-AMPLIFIER

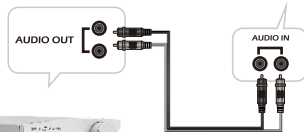
1. Connect "AUDIO OUT"/"LINE OUT" of the sound source (e.g. aune X8/X5s) to "AUDIO IN" of the X7s Pro
 2. Connect "AUDIO OUT" of the X7s Pro to "AUDIO IN"/"LINE IN" of an active speaker or an amplifier
 3. Set the volume to minimum before putting on the headphones
- Notice: please set the gain to 12dB when using the X7s Pro as a pre-amplifier.



Connecting to an amplifier/active speaker



Rear panel



Pairing with the aune X8 DAC

OPERATING INSTRUCTIONS

HEADPHONE OUTPUT GAIN ADJUSTMENT

1. The gain of headphone output is adjustable for different headphones .
2. When switch 1 and switch 2 are both OFF, the gain is 0dB
3. When switch 1 is ON and switch 2 is OFF, the gain is 12dB
4. When switch 1 and 2 are both ON, the gain is 20dB

Gain at Max. Volume



0dB

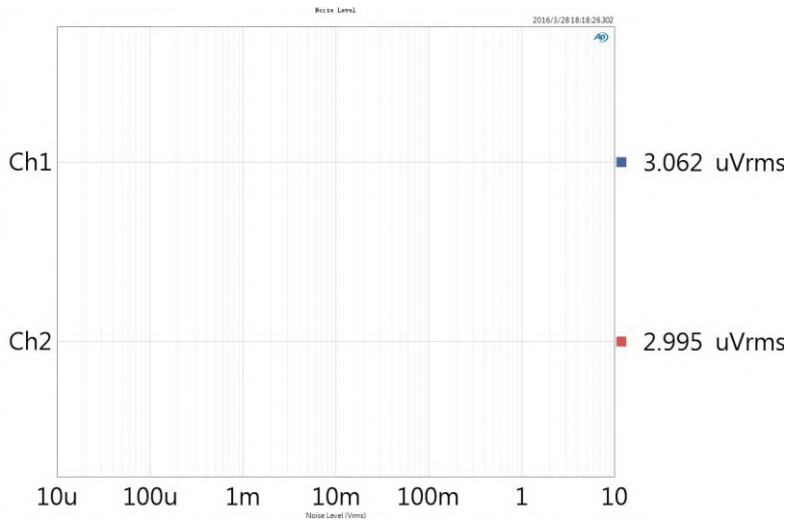


12 dB

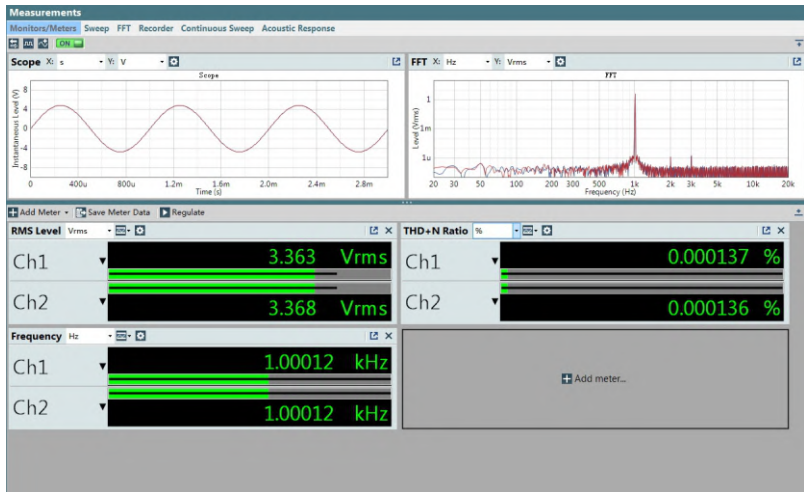


20 dB

Measurements



Measurements





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WARNING MESSAGES

- Use exclusively recommended accessories to prevent faults, short circuits or electric shock.
- Do not expose the unit to moisture or rain.
- Do not attempt to remove parts of the body (covers); specialist repairs can be carried out only at authorized service centers

LEGAL NOTES

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DISPOSAL ELECTRONIC EQUIPMENT

(Applies within the eU, and for other European countries with separated waste collection systems)

This device contains electronic components and therefore may not be disposed of as general household waste. Instead it should be disposed of at a recycling collection point provided by the local authority. This costs you nothing. Your local authority or waste disposal authority, or the shop where you bought this device, can provide you with further information on this issue.

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