

aune

X7s 2021

Class-A Headphone Amplifier With Balanced Output

User Manual

Preface

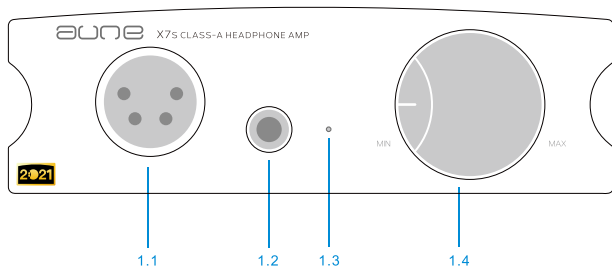
Dear Customers,

Thanks for purchasing the X7s 2021 and congratulations on choosing this high quality headphone amplifier.

We sincerely hope the brand new X7s 2021 will bring you excellent Hi-Fi experience.

Please read this manual carefully before using the device.

Front Panel at a Glance



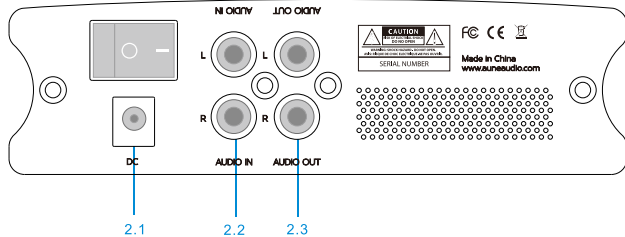
1.1 Balanced headphone output socket

1.2 Headphone port

1.3 Power indicator

1.4 Volume knob

Rear Panel at a Glance

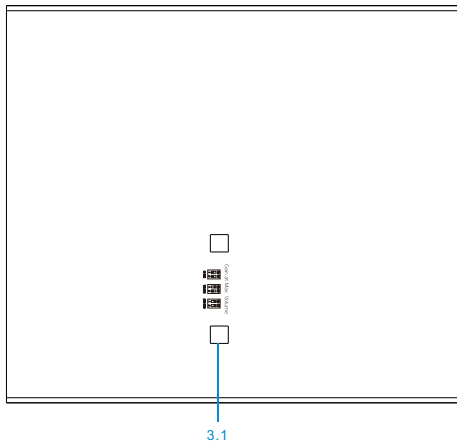


2.1 AC power in

2.2 AUDIO IN

2.3 AUDIO OUT

Bottom Panel at a Glance



3.1 Gain controls of the headphone output

Introduction

The X7s 2021 is the latest class-A balanced output headphone amplifier of aune with 8 pieces of BJT 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 2021 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 headphone output socket

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

Distortion:

TYP THD+n <0.0002% @1kHz 300 Ω

TYP THD+n <0.00018% @1kHz 300 Ω XLR

IMD:

TYP CCIF IMD <0.00045%

TYP CCIF IMD <0.00052% XLR

Output power:

MAX OUTPUT POWER=250mW @300 Ω

MAX OUTPUT POWER=1000mW @300 Ω XLR

Dimensions: 145 x 45 x 171 (mm)

OPERATING INSTRUCTIONS

AS A HEADPHONE AMPLIFIER

1. Connect "AUDIO OUT"/"LINE OUT" of the sound source (e.g. aune X1s/X5s/M2/S6) to "AUDIO IN" of the X7s
2. Plug the headphones into the X7s
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.

Caution:

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

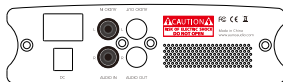


Balanced female socket definition

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



Pairing with aune X1s DAC



Rear panel



Balanced headphone output socket



Front panel



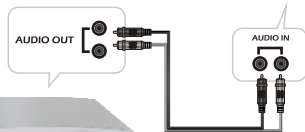
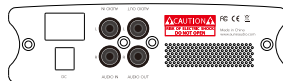
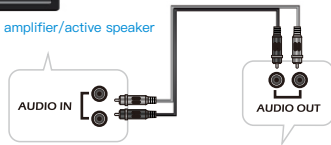
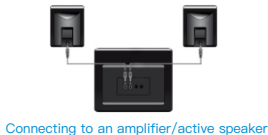
6.35mm headphone port

OPERATING INSTRUCTIONS

AS A PRE-AMPLIFIER

1. Connect "AUDIO OUT"/"LINE OUT" of the sound source (e.g. aune X1s/X5s/M2/S6) to "AUDIO IN" of the X7s
2. Connect "AUDIO OUT" of the X7s 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 as a pre-amplifier.



Pairing with the aune X1s DAC

OPERATING INSTRUCTIONS

HEADPHONE OUTPUT GAIN ADJUSTMENT

1. The gain of headphone output is adjustable for different headphones (as shown in graphic 3).
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



0 DB

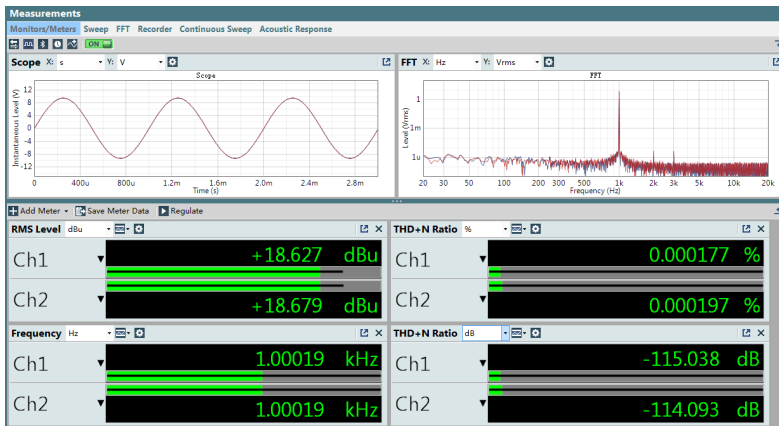


12 DB

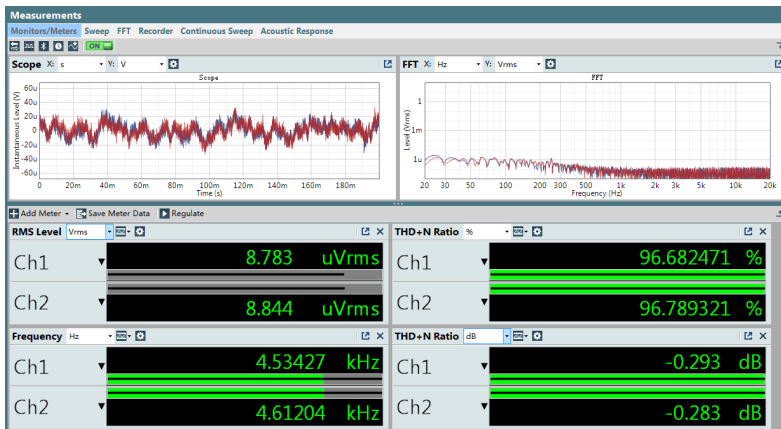


20 DB

Measurements



Measurements





官方公众平台

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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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