



S17 Pro EVO

Fully-Discrete Class-A Fully-Balanced Headphone Amp

User Manual

Preface

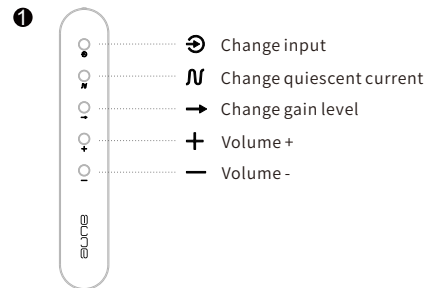
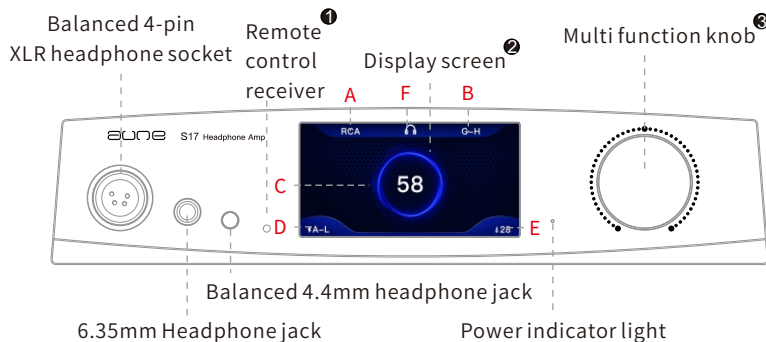
Dear Customer,

Thanks for purchasing the S17 Pro EVO and congratulations on choosing this high quality headphone amplifier.

We sincerely hope the brand new S17 Pro EVO will bring you excellent Hi-Fi experience.

Please read this manual carefully before using the device.

Panel and Remote



- A: Current input channel

B: Current gain level

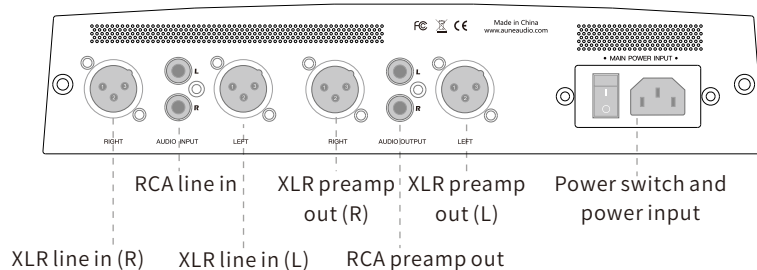
C: Current volume

D: Current quiescent current

E: Current temperature of the internal power transistor

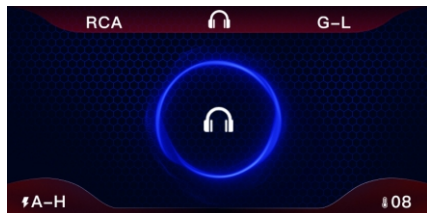
F: Current output mode
- Multifunction Knob:

 - Rotate: adjust volume (MAX: 63)
 - Single press: change input (RCA/XLR)
 - Double press: change quiescent current
 - A-L: low current
 - A-H: high current
 - Long press: enter settings
 - G-L: low gain
 - G-H: high gain

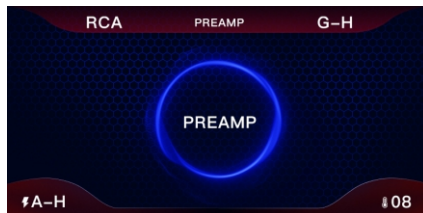


Operations

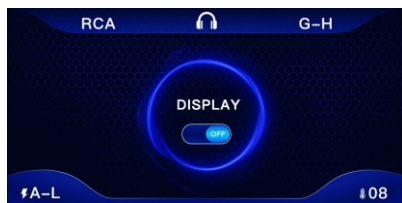
The settings page cannot be operated using the remote control; please use the volume knob to navigate.



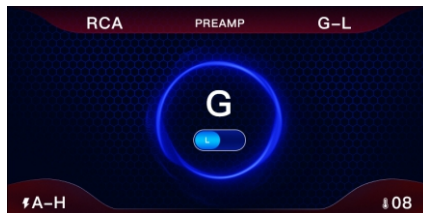
Headphone output mode



Preamp output mode



Auto screen-off



Gain mode

- (1) DISPLAY ON: Always on
- (2) DISPLAY OFF: Auto screen-off
- (The screen will automatically turn off after 30 seconds of inactivity , rotating the knob again will light up the screen.)

Introduction

As aune's new generation of fully-discrete class-A headphone amp, the S17 Pro EVO has the features of twin JFET, R2R volume control, 2 levels of current to select from (50mA/100mA class-A quiescent current per transistor), output power as high as 7.5W, 3 groups of headphone outputs + 2 groups of preamp outputs, etc. It is a high-performance rich-sounding headphone amplifier with high power.

Specifications

Input/Output Impedance:

RCA input impedance: 10K Ω

RCA preamp output impedance: 200 Ω

XLR input impedance: 10K Ω

XLR preamp output impedance: 100 Ω

XLR/6.35/4.4 headphone output impedance: 1 Ω

Single-Ended 6.35mm Headphone Output:

Frequency response (20Hz~80kHz): $\pm 0.05\text{dB}$

THD+N : <0.0003% @1kHz

SNR: >115dB @600 Ω

Crosstalk: < -105dB @1kHz 600 Ω

Balanced XLR headphone output:

Frequency response (20Hz~80kHz): $\pm 0.05\text{dB}$

THD+N: <0.00016% @1kHz

SNR: >116dB @600 Ω

Crosstalk: < -110dB @1kHz 600 Ω

Class A Operating Range:

Balanced, 32 Ω : $\leq 2.07\text{ W}$

Balanced, 64 Ω : $\leq 4.14\text{ W}$

Single-ended > 77.8 Ω / Balanced > 155.6 Ω : Full Class A Operation

Dimensions: 288*211*63 (mm)

Accessories: power cord, 6.35mm to 3.5mm adapter, remote control, quick start guide

Specifications - Output Power

G-L Low Gain Single-Ended Output	Load	Output Voltage	Power
	32Ω	5V	780mW
	100Ω	5.16V	266mW
	150Ω	5.16V	177mW
	200Ω	5.16V	133mW
	250Ω	5.16V	106mW
	300Ω	5.16V	88mW
	470Ω	5.16V	56mW
	600Ω	5.16V	44mW

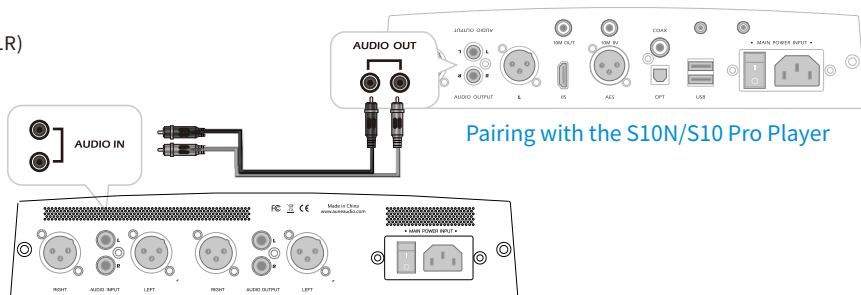
G-H High Gain Single-Ended Output	Load	Output Voltage	Power
	32Ω	8.1V	2050mW
	100Ω	8.3V	688mW
	150Ω	8.35V	464mW
	200Ω	8.35V	348mW
	250Ω	8.4V	282mW
	300Ω	8.4V	235mW
	470Ω	8.4V	150mW
	600Ω	8.4V	117mW

G-H Low Gain Balanced Output	Load	Output Voltage	Power
	32Ω	9.6V	2880mW
	55Ω	9.85V	1764mW
	90Ω	10V	765mW
	100Ω	10V	1000mW
	150Ω	10.2V	694mW
	200Ω	10.2V	520mW
	250Ω	10.2V	416mW
	300Ω	10.2V	347mW
	470Ω	10.2V	221mW
	600Ω	10.2V	173mW

G-H High Gain Balanced Output	Load	Output Voltage	Power
	32Ω	15.5V	7500mW
	55Ω	16V	4654mW
	90Ω	16.35V	2970mW
	100Ω	16.35V	2673mW
	150Ω	16.6V	1837mW
	200Ω	16.6V	1378mW
	250Ω	16.6V	1102mW
	300Ω	16.6V	918mW
	470Ω	16.6V	586mW
	600Ω	16.6V	459mW

As a Headphone Amp

1. Player line output → S17 Pro line input (RCA/XLR)
2. Insert headphones
3. Press the knob to select input
4. Rotate the knob the adjust volume
5. Double press the knob to change quiescent current level
6. Long press the knob to enter the settings interface to switch other functions



Pairing with the S10N/S10 Pro Player

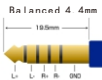
S17 Pro EVO Rear Panel

Caution:
Do not plug in more than
one pair of headphones



4-Pin Balanced XLR Socket

Left channel+
Left channel-
Right channel+
Right channel-



Single press: change input / long press: change gain level
/ double press: change current level



S17 Pro EVO Front Panel



The aune SR7000 headphones
are recommended

As a Preamp

1. Player line output → S17 Pro line input (RCA/XLR)
2. S17 Pro preamp out → amp or active speakers
3. Press the knob to select input
4. Rotate the knob the adjust volume
5. Double press the knob to change quiescent current level
6. Long press the knob to enter the settings interface to switch other functions

Single press: change input / long press: change gain level
/ double press: change current level

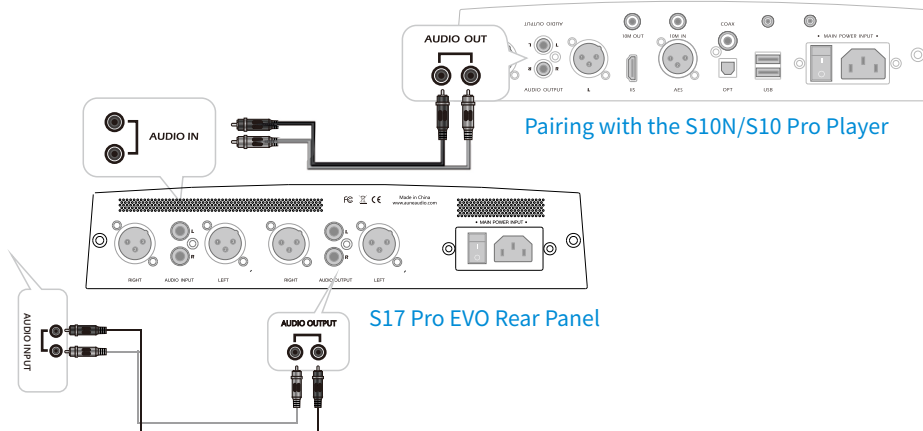


S17 Pro EVO Front Panel

Warning: Static electricity may cause the device to crash or restart



Active Speakers



Pairing with the S10N/S10 Pro Player

S17 Pro EVO Rear Panel

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