

FAQ

Q: Why are all cables connected but there is no sound?

1. Please check whether the VU meters light on, and the toggle switch is on the correct position or not.
2. Please check whether the volume knob is at the left-most end and the volume is adjusted to the minimum. If yes, please clockwise rotate the volume knob to turn it up.
3. If all is fine, please check whether the audio source is muted, paused or the volume is too low.

Q: Why is the sound distorted?

A: Maybe the amplitude of input signal is too large. If the volume of audio source and the H7PRO both are turned to maximum, it is easy to cause distortion. Please turn down the volume of audio source or H7 PRO.

Q: Why does the volume of the H7PRO remain unchanged, but the output volume is different when different audio sources are connected (such as CD player and mobile phone)?

A: Different audio devices outputs different signal amplitudes, for example, the phone usually outputs 0.35V, while CD player outputs 1V. So it is normal that the output volume of CD player is louder than mobile phone.

Q: Why is there a loud current sound or buzzing sound from the speaker?

1. Please use the original power supply. Many power supplies in the market have interference, which will cause current sound.
2. When an unshielded signal line is used without load, there will be interface signals. Please use the shielded signal cable or unplug it.

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3. If there is still noise after the above two points are eliminated, please confirm whether it is external noise or internal noise from H7 PRO. Disconnect all inputs and only retain power supply and power cable. If the noise disappears, it is from audio input; if the noise is still there, it is possibly caused by power supply or the internal of H7PRO.

Q: Why there is no sound or very little sound after the amplifier is connected to the speaker?

1. Please check the audio source has been turned on and the volume is not at the minimum.
2. Please confirm whether the speaker and amplifier match (For example, the speaker is fixed resistance or fixed voltage, the power of speaker is too much over the power of the amplifier etc).

Q: What are the reasons and troubleshooting methods for the unbalanced volume between the left and right speakers?

1. For a normal power amplifier, the volume on the left and right sides should be consistent. If there is an imbalance, please check it from the sound source, input cable, volume potentiometer, speaker cables, speakers (whether the placement of the speakers is symmetrical) etc.
2. H7 PRO with balance adjustment, please adjust the knob until you feel both channel is balanced.

Q: Why is there a thumping sound when switching on/off?

A: Please confirm the on-off sequence is correct, normally it follows the order of signal transmission when turn on: audio source → preamp / DAC → amplifier → speaker. (The sequence is reversed when switching

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off. As the internal capacitors will be discharged for a while after shutdown. If turn off the preamp firstly and then turn off amplifier, impact sound will be easily caused which may damage the amplifier or speaker in severe cases).

Q: What is the function of VU meter? What is the difference among VU meter, voltmeter and ammeter?

A: VU meters, voltmeters, and ammeters all refer to instruments that indicate level, but some indicate voltage, some indicate decibels, and some indicate current (we use a VU meter on H7PRO to indicate the amplitude of the audio signal).

Warning

1. Please do not open the shell without permission, improper operation may cause a risk of electric shock.
2. If you want to change other power adapters, please use the ones produced by a regular manufacturer, otherwise there is a risk of damaging the H7PRO.
3. Please don't operate H7PRO in a high temperature or humidity environment.

Contact information

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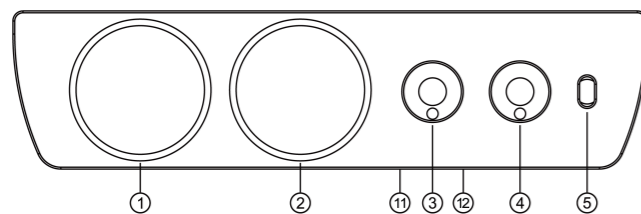
Introduction

H7 PRO is a mini digital amplifier designed by Douk Audio, combining a compact design with exceptional performance. Adopting a TPA3255 amp chip, the power output up to 300W for each channel can effortlessly drive 4-8Ω speakers, delivering impressive sound quality. With single-ended RCA and balanced XLR inputs, preamp RCA output besides speaker jacks output, easily to build multi-channel systems. Two VU meters are added with pointer swinging in real-time with audio signal changes, to get both auditory and visual enjoyment.

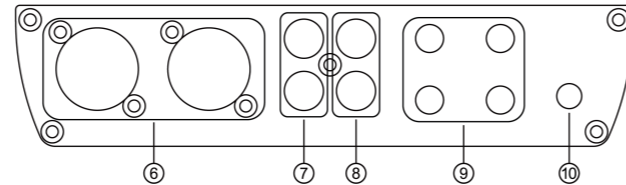
Warm tips

1. The RCA output is pre-amplified, its output level and the speaker jacks output are controlled by the main volume synchronously.
2. Default comes with 32V/5A power adapter, if you want higher power output please replace another larger power adapter with high-quality.
3. There are two sensitivity adjustments of the VU meters on the bottom of H7 PRO, one is responsible for the left channel and the is for the right.

H7 PRO front & back panel



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- ① VU Meter (L)
- ② VU Meter (R)
- ③ L/R balance adjustment knob
- ④ Main volume knob
- ⑤ Power on/off / input channel selection
- ⑥ Balanced XLR input
- ⑦ RCA input (White/Left, Red/Right)
- ⑧ RCA output
- ⑨ Speaker jacks (Red/Positive, Black/Negative)
- ⑩ Power interface (DC 24-48V)
- ⑪ Sensitivity adjustment of VU Meter (L)
- ⑫ Sensitivity adjustment of VU Meter (R)

How to use

1. Correctly connect your passive speakers to the speaker jacks of H7 PRO. The RCA output also supports to be connected to another amplifier, active subwoofer or speakers to build multi-channel system.
2. Connect the audio source to the RCA or XLR input of H7PRO via high-quality cable.
3. Connect the power cord to the power interface of H7PRO and then plug the power cable to the wall socket. Toggle the switch to corresponding input position to turn H7PRO on.

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4. The two VU meters will light on, please play music on your audio source and adjust the volume to get the best auditory and visual enjoyment.
5. If you feel the volume of left and right channel are not consistent please adjust the balance knob to fix. If you feel that the pointer swing of the VU meter is not obvious enough, please adjust the sensitivity of two VU meters via the button on the bottom.
6. After use, please toggle the switch to OFF position to turn H7PRO off first and then disconnect the power adapter.

Power output table of H7 PRO

Power Supply	Speaker Impedance	Output Power
24V / 5A	4Ω	68W*2
	6Ω	61W*2
	8Ω	55W*2
32V / 5A	4Ω	78W*2
	6Ω	71W*2
	8Ω	65W*2
36V / 6A	4Ω	107W*2
	6Ω	100W*2
	8Ω	94W*2
48V / 5A	4Ω	120W*2
	6Ω	110W*2
	8Ω	102W*2
48V / 10A	4Ω	250W*2
	6Ω	210W*2
	8Ω	185W*2

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Parameters

Brand	Douk Audio
Model	H7 PRO
Audio input	Single-ended RCA / balanced XLR
Audio output	Banana speaker jacks / stereo RCA
Max output power	300Wx2 (@4Ω)
Matched speaker impedance	4-8Ω
Frequency response	20Hz-20KHz (±0.8dB)
Input sensitivity	2V
Max output level of RCA	2V
THD	0.008%
SNR	>110dB
Working voltage	DC 24-48V
Dimensions(W*D*H)	167*126*42mm / 6.57*4.96*1.65in
Package dimensions(W*D*H)	310*240*70mm / 12.20*9.45*2.76in
Net weight	803g / 1.77lb
Package weight	1.42kg / 3.13lb
Packing List	1xH7PRO Amplifier
	1xDC 32V Power Adapter
	1xUser Manual

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