



KGUSS PA7 Series Plus Power Amplifier Instructions

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KGUSS PA7 Series Plus Power Amplifier



<div><0.0004%</div> <div>@4Ω, 160W</div> <div>THD+N</div>	<div>PA7 210W x 2</div> <div>PA7 Plus 300W x 2</div> <div>THD+N<10% @4Ω</div>	<div>PA7 126dB</div> <div>PA7 Plus 127dB</div> <div>SNR</div>	<div>XLR/TRS/RCA</div> <div>Input</div>
Fully balanced	12V Trigger	Two gain settings	

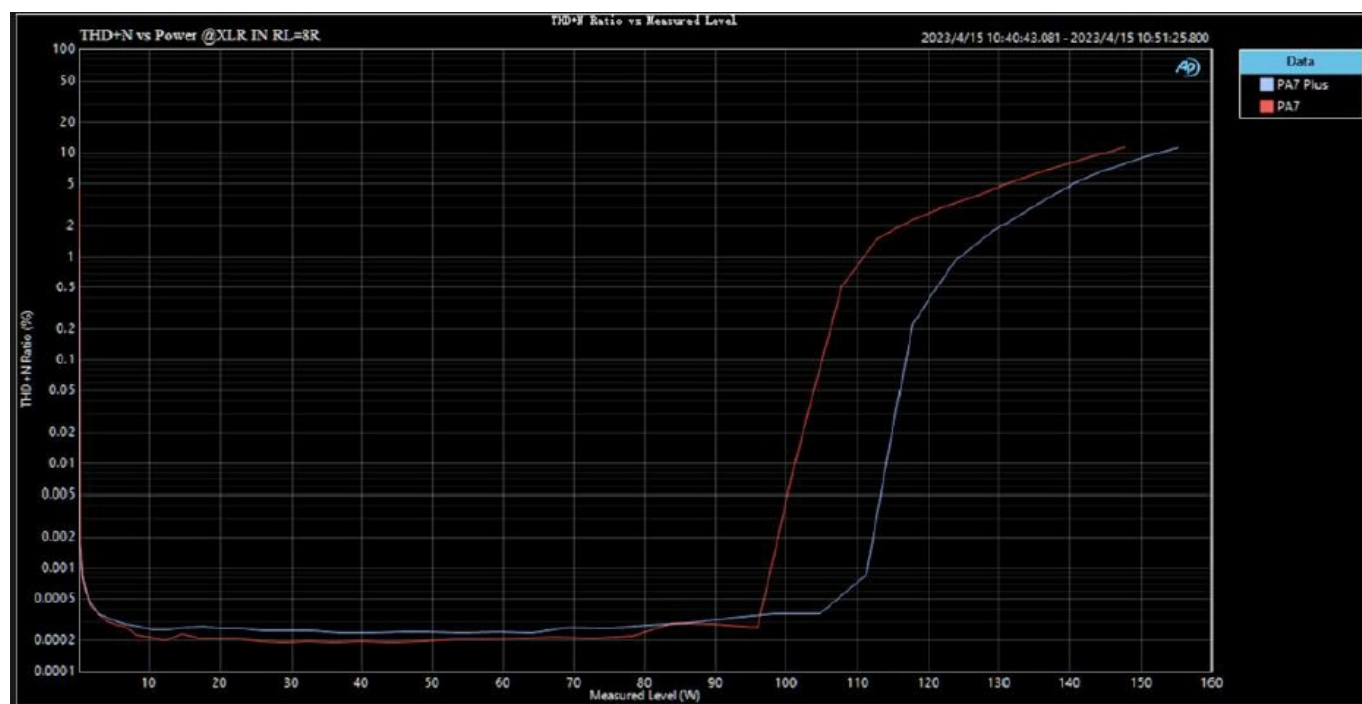
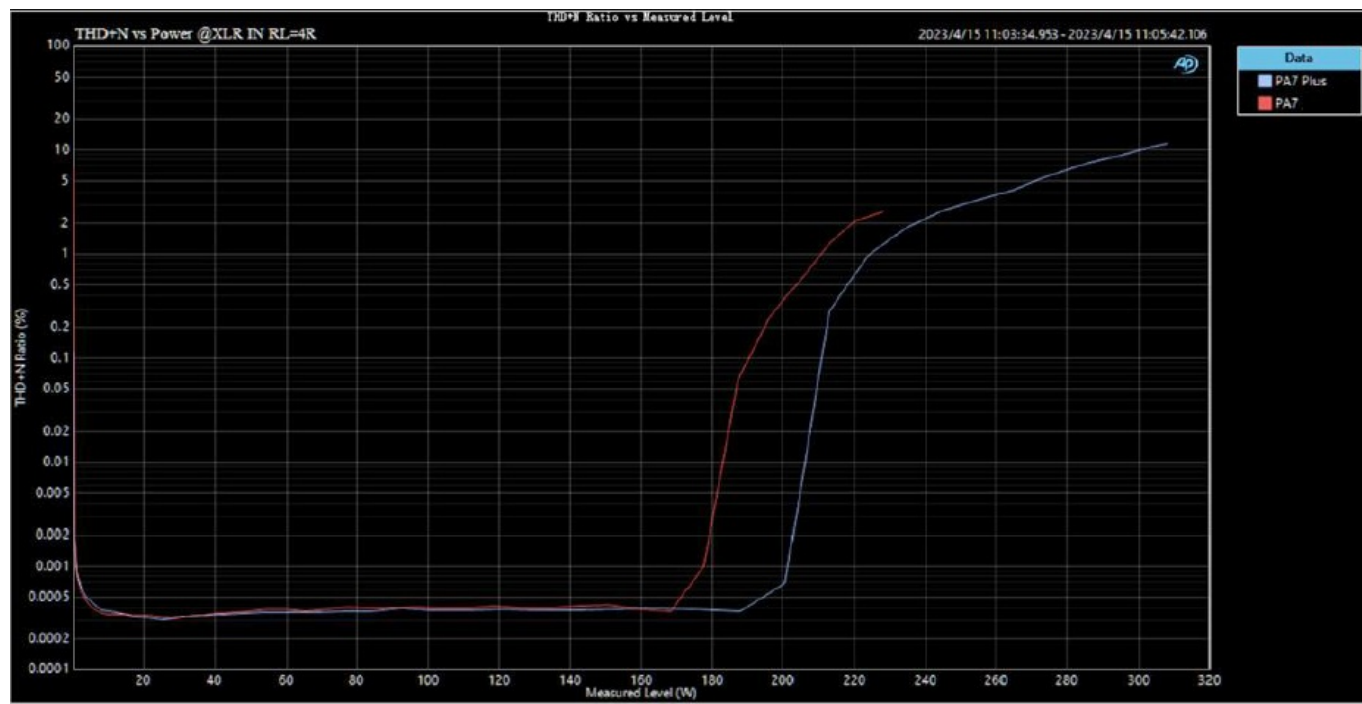
Fully balanced

The PA7 and PA7 Plus utilize a new Class D amplifier circuit with a variety of exclusive optimization techniques, which has powerful low distortion performance and power output . These technologies ensure a clearer, cleaner,

deeper sound without any background noise. In addition, the balanced structure is able to reduce various of noise during transmission, thus enabling better performance of the audio source and avoiding wasted performance during transmission.

Distortion is as outstanding as DAC

The distortion performance of PA7 and PA7 Plus is matching good performing DACs. The distortion stayed extremely low before clipping. This ensures consistent listening pleasure across volume levels.



Insane output power

The PA7 series amplifiers are less than half the size of an A4 sheet of paper, but they are all capable of delivering 210W x 2 (PA7) or 300W x 2 (PA7 Plus) to a 4-ohm load at 10% distortion. If the higher standard 1% distortion is used as a requirement, the 4-ohm load will output 200W x 2 (PA7) or 245W x 2 (PA7 Plus) respectively. Moreover, these high power outputs and low distortion characteristics are sufficient to meet the needs of most speakers and applications

2X Inputs:

One set of Combo connectors (compatible with XLR and TRS)

One set of RCA connectors

**The joy of stacking at this moment**

The E70 and E70 Velvet have preamp functions and have the exact same design language as the PA7 series amplifiers, and the signal can be transmitted between the DAC and the amplifier via XLR, TRS balanced or RCA cables.



You can control the volume on PA7 and PA7 Plus, or set to bypass the volume control of PA7 and PA7 Plus, then you can use a better pre-amplifier for volume control.



All standby Perfect Match

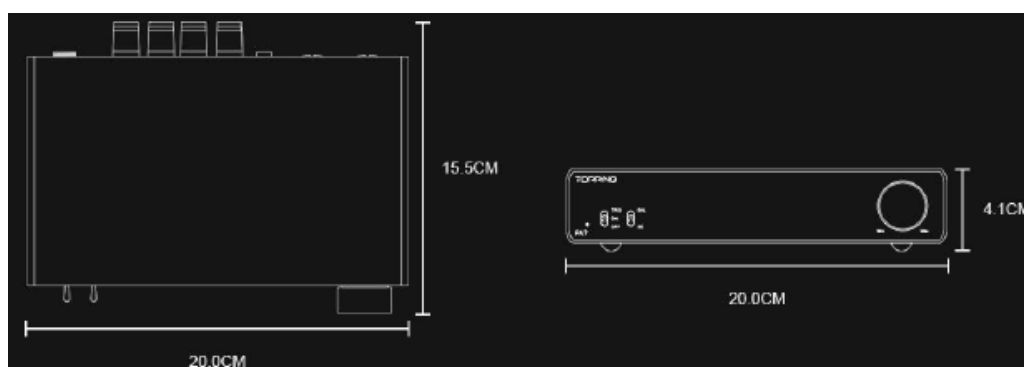
The PA7 and PA7 Plus can be perfectly paired with the E70, E70 Velvet and L70 to instantly unlock a more comprehensive system of high quality music experiences. from digital sources to speakers and headphones.



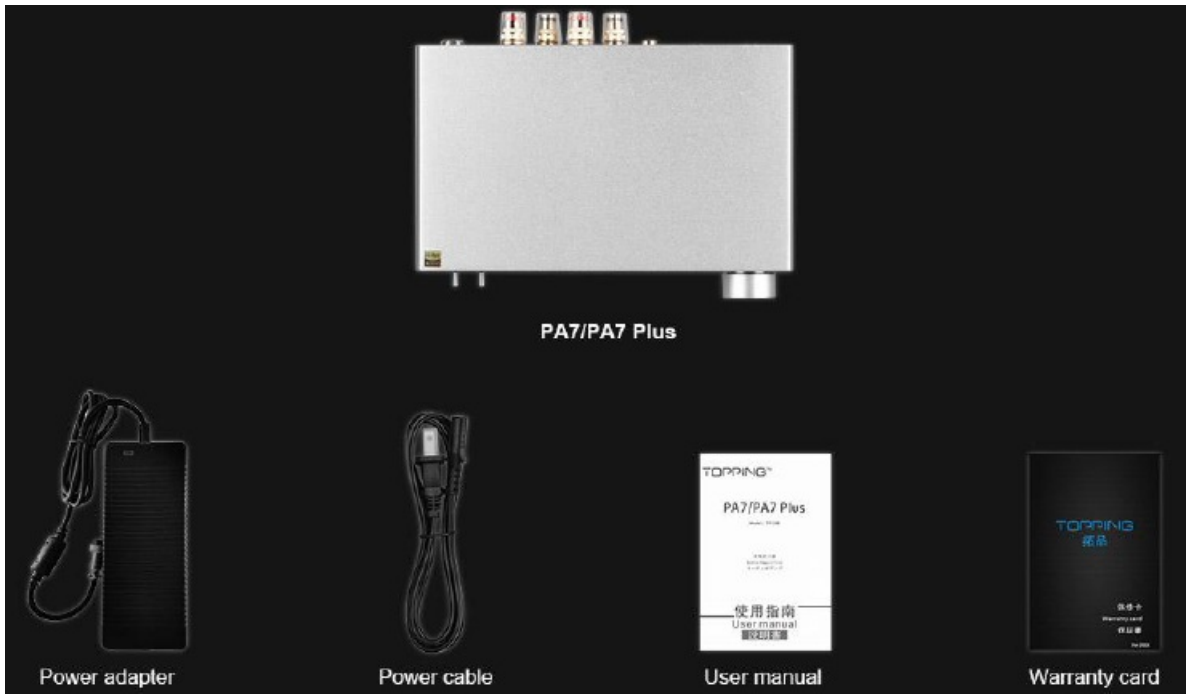
PA7 series is equipped with 12V Trigger input trigger interface, which can be linked with other devices to switch on and off. One button to light up and turn on synchronously



Note: PA7 series amplifiers require the switch to be set to “TRIG” to use the 12V Trigger function.



Contents list

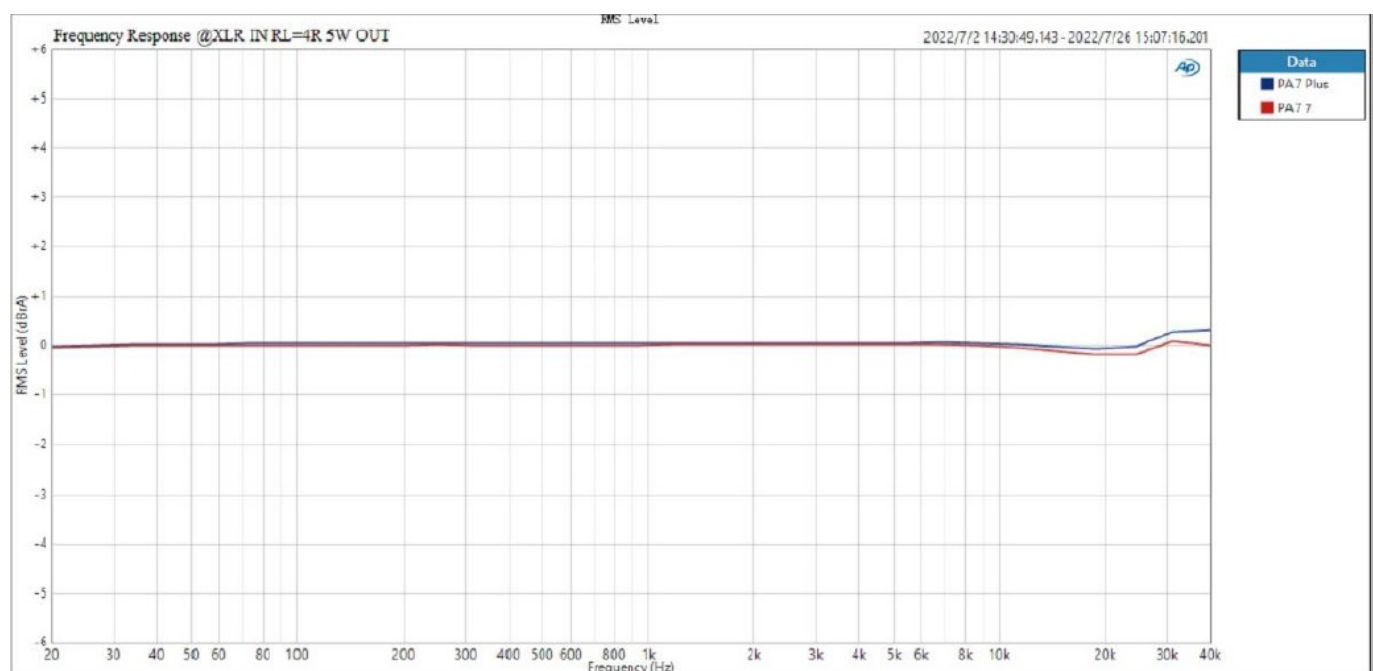


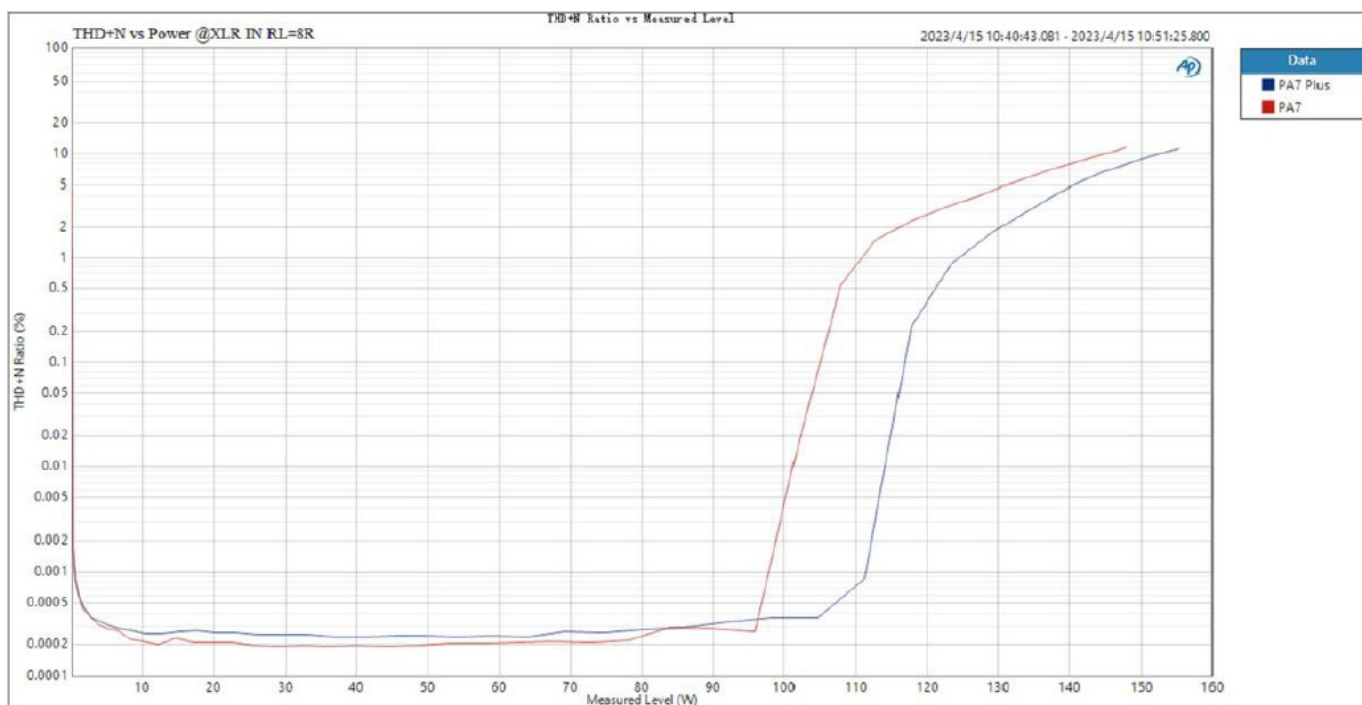
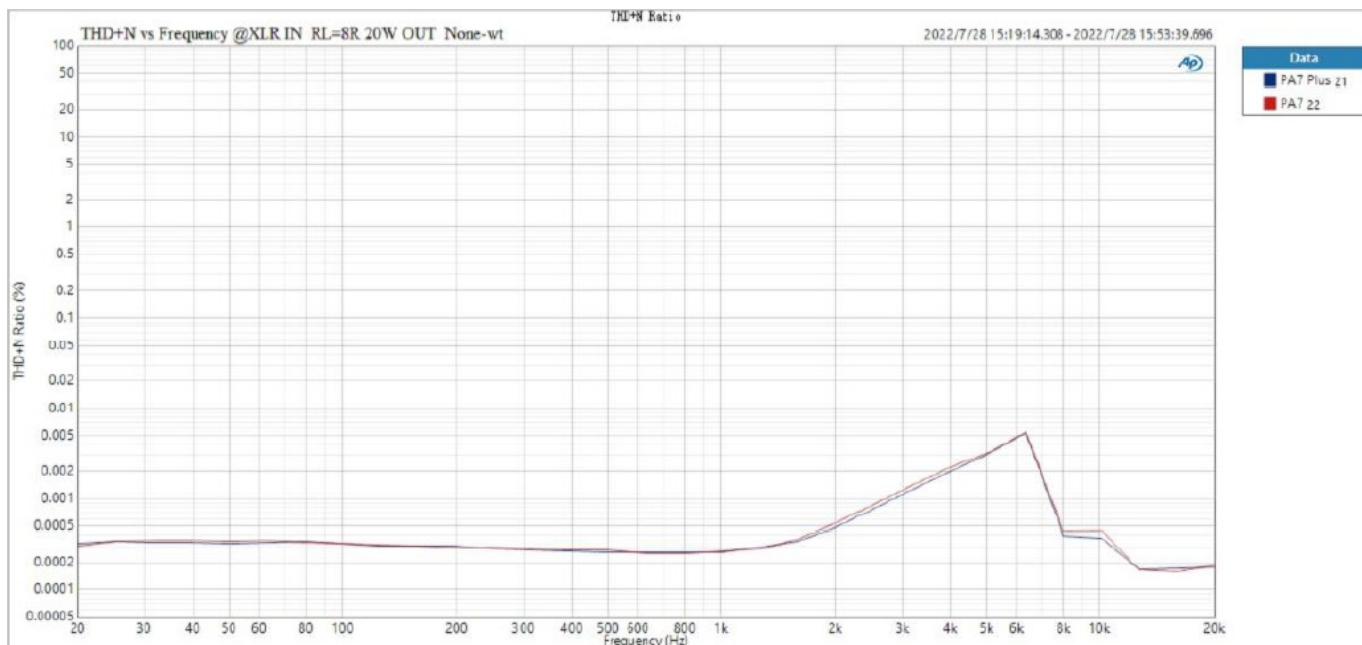
PA7 Power Amplifier specifications		
	SE	BAL
THD+N @1kHz (A-wt)	<0.0005% @4Ω 20W	<0.0004% @4Ω 20W
	<0.0004% @8Ω 20W	<0.0003% @8Ω 20W
THD+N @20kBW (No-wt)	<0.0090% @4Ω 20W	<0.0090% @4Ω 20W
	<0.0040% @8Ω 20W	<0.0040% @8Ω 20W
SNR @MAX OUT 1kHz (A-wt)	123dB	126dB
Dynamic Range @1kHz (A-wt)	123dB	126dB
Frequency Response	20Hz-40kHz (±1.5dB)	20Hz-40kHz (±0.3dB)
Output Level	83Vpp @4Ω	83Vpp @4Ω
	89Vpp @8Ω	89Vpp @8Ω
Noise (A-wt)	<17uVrms	<17uVrms
Channel Crosstalk @1kHz	-96dB	-116dB
Input sensitivity	1.9Vrms	3.8Vrms
Gain	25.7dB	19.8dB
Channel Balance	0.5dB	0.5dB
Output Power	210W x 2 @4Ω THD+N<10%	
	150W x 2 @8Ω THD+N<10%	
	200W x 2 @4Ω THD+N<1%	
	125W x 2 @8Ω THD+N<1%	
Load Impedance	4-8Ω	

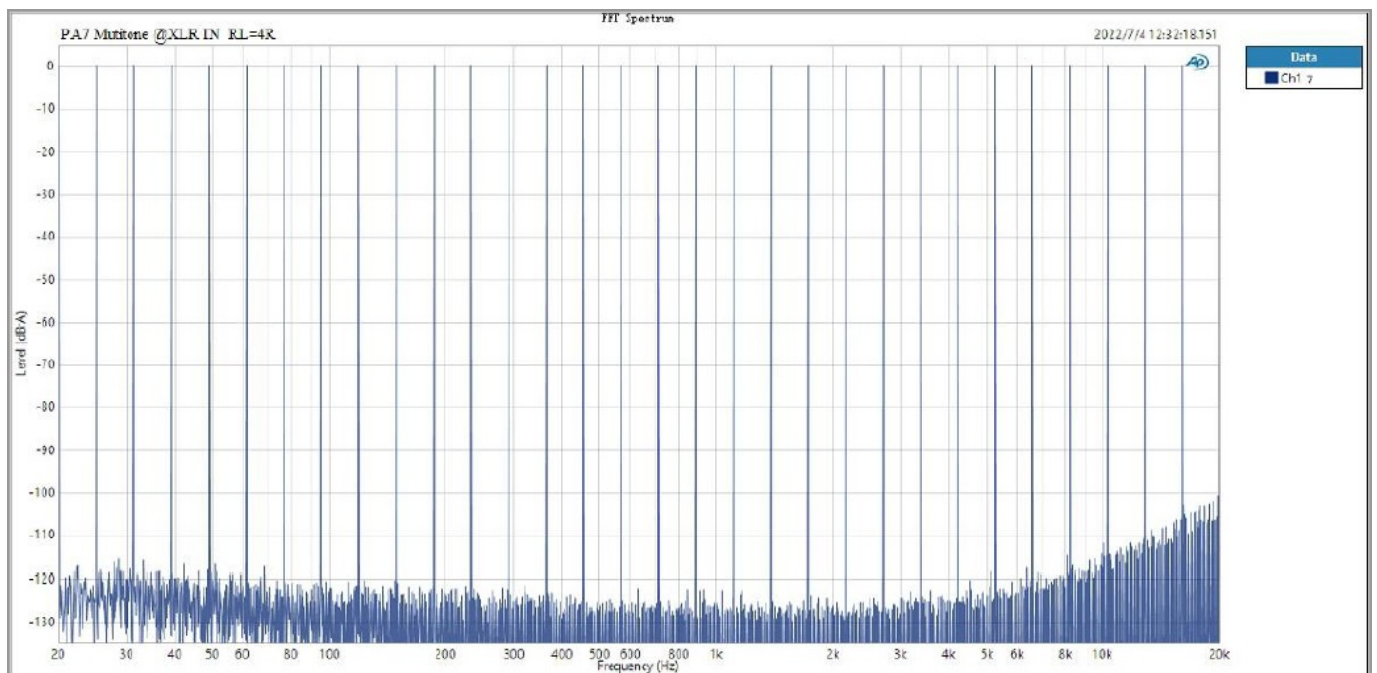
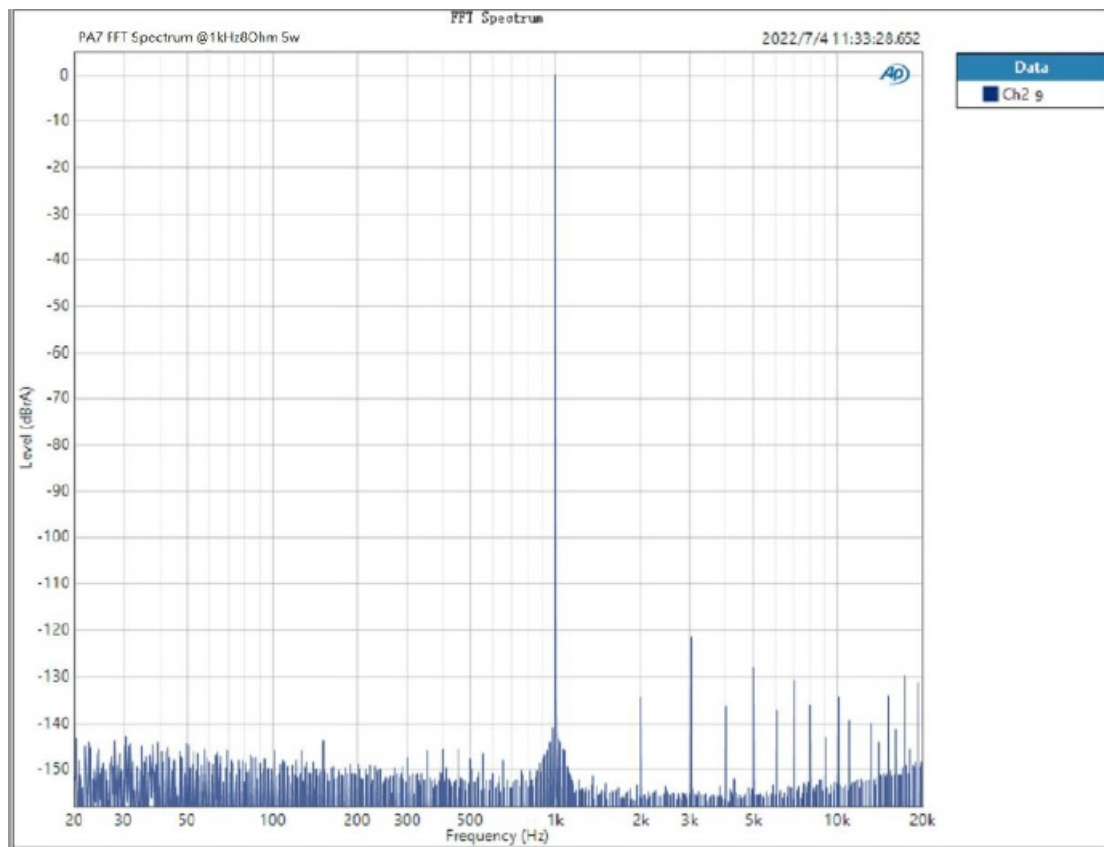
Note: The above data is the result of the test in TOPPING laboratory under AC220V 50Hz condition.

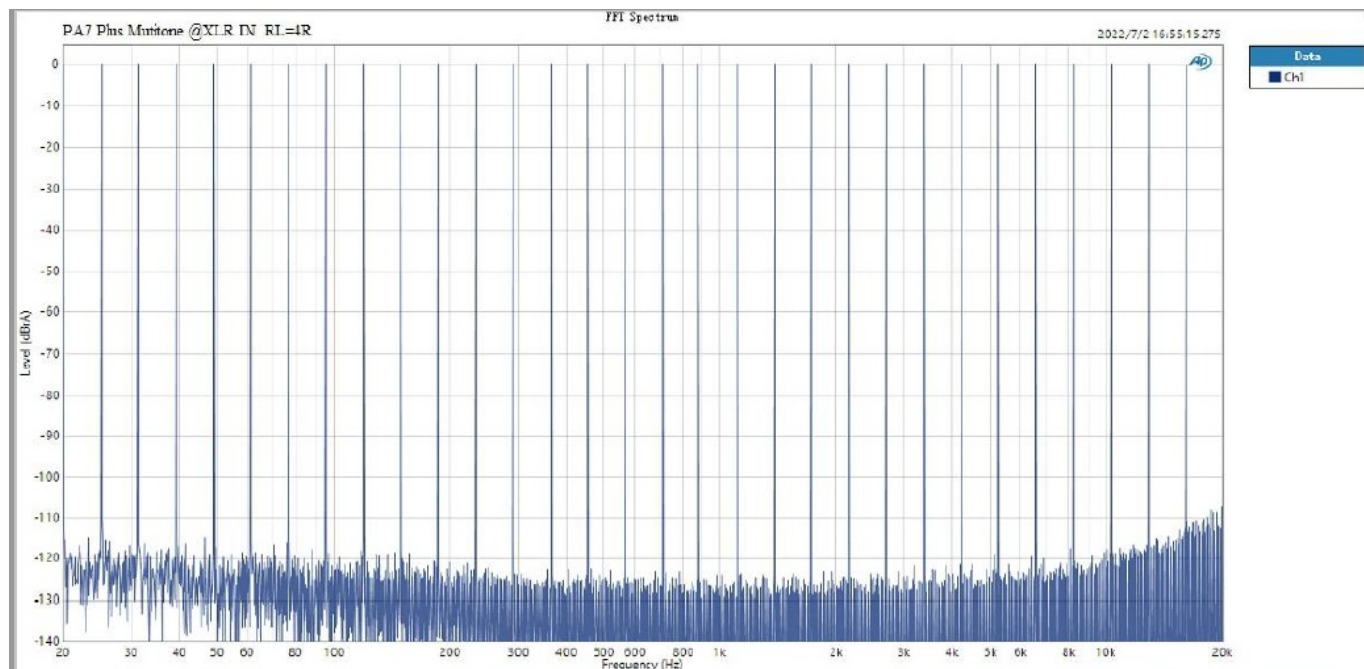
PA7 Plus Power Amplifier specifications		
	SE	BAL
THD+N @1kHz (A-wt)	<0.0005% @4Ω 20W	<0.0004% @4Ω 20W
	<0.0004% @8Ω 20W	<0.0003% @8Ω 20W
THD+N @20kHz (No-wt)	<0.0090% @4Ω 20W	<0.0090% @4Ω 20W
	<0.0040% @8Ω 20W	<0.0040% @8Ω 20W
SNR @MAX OUT 1kHz (A-wt)	124dB	127dB
Dynamic Range @1kHz (A-wt)	124dB	127dB
Frequency Response	20Hz-40kHz (±1.5dB)	20Hz-40kHz (±0.3dB)
Output Level	90Vpp @4Ω	90Vpp @4Ω
	91Vpp @8Ω	91Vpp @8Ω
Noise (A-wt)	<17uVrms	<17uVrms
Channel Crosstalk @1kHz	-96dB	-116dB
Input sensitivity	2.0Vrms	4.0Vrms
Gain	25.7dB	19.8dB
Channel Balance	0.5dB	0.5dB
Output Power	300W x 2 @4Ω THD+N<10%	
	165W x 2 @8Ω THD+N<10%	
	245W x 2 @4Ω THD+N<1%	
	135W x 2 @8Ω THD+N<1%	
Load Impedance	4-8Ω	

Note: The above data is the result of the test in TOPPING laboratory under AC220V 50Hz condition.









Documents / Resources



[KGUSS PA7 Series Plus Power Amplifier](#) [pdf] Instructions

PA7 Series Plus Power Amplifier, PA7, Series Plus Power Amplifier, Plus Power Amplifier, Power Amplifier, Amplifier

References

- [User Manual](#)