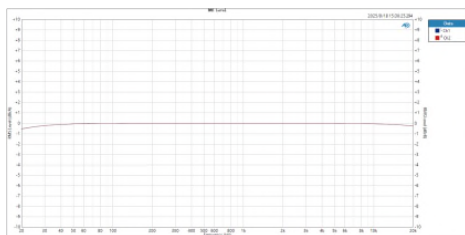


General Specifications			
Name/Model	WARMER R2R	Hardware solution	Master control: GD32F303RET6, DAC: FIO proprietary R2R DAC, USB decoding: SA9312L, AMP: OPA1642AIDR*2+E88CC*4
Working mode	USB DAC mode/Coaxial decoding mode/Optical decoding mode	Color	Black/Silver
Weight	About 2865g	Dimensions	About 223.5x213x66.8mm (incl. feet)
Drive-free mode (switch mode)	Supported	Display	Mechanical VU meter
Oversampling setting	OS/NOS	Firmware upgrade	Supports USB upgrading
Maximum supported sampling rate	USB decoding: 384kHz/32bit;	Volume control type	No volume control
	Coaxial decoding: 192kHz/24bit	Fiio Control	N/A
	Optical decoding: 96kHz/24bit		
Buttons and Ports			
Physical button	Power button	Knob	Input selection knob
Toggle switch	JAC1.0/2.0 switch*1+OS/NOS switch*1	USB port	Type-C USB*1 (data transmission)
Digital coaxial input port	RCA port	Digital optical input port	Optical port
Single-ended line output port	RCA port*2	Balanced line output port	XLR3 balanced port*2
Power Supply Parameters			
Power supply	AC 220-240V~50/60Hz; AC 100-120V~50/60Hz; (Two power supply models in total, please purchase according to the local voltage level)	Battery capacity	No battery
Audio Parameters			
Performance and parameters of single-ended line output (RCA out, USB DAC/Coaxial decoding/Optical decoding mode, OS mode)			
THD+N	About 0.052% (1kHz/-7dB@10kΩ)	SNR	≥112dB (A-weighted)
Crosstalk	≥96dB	Noise floor	<4.5uV (A-weighted)
Frequency response	20Hz~20kHz: attenuation <0.6dB	Dynamic range	≥98dB
	20Hz~45kHz: attenuation <2.4dB	Line output level	1.8Vrms (1kHz@10kΩ)
Performance and parameters of balanced line output (XLR3 out, USB DAC/Coaxial decoding/Optical decoding mode, OS mode)			
THD+N	About 0.053% (1kHz/-7dB@10kΩ)	SNR	≥114dB (A-weighted)
Crosstalk	≥104dB	Noise floor	<7uV (A-weighted)
Frequency response	20Hz~20kHz: attenuation <1.5dB	Dynamic range	≥105dB
	20Hz~45kHz: attenuation <2.4dB	Line output level	3.3Vrms (1kHz@10kΩ)

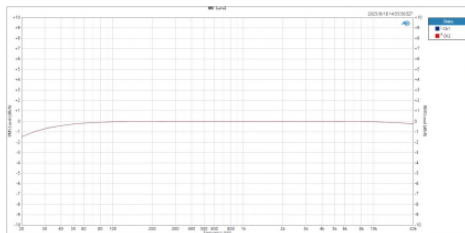
LO 10KΩ



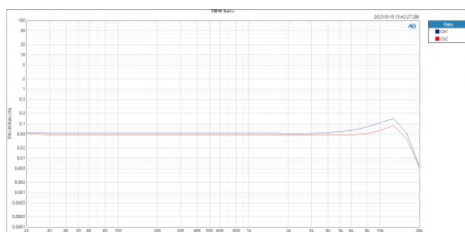
Test conditions: -5dB sinusoidal signal, 20Hz-20kHz, RCA line output (10kΩ load)



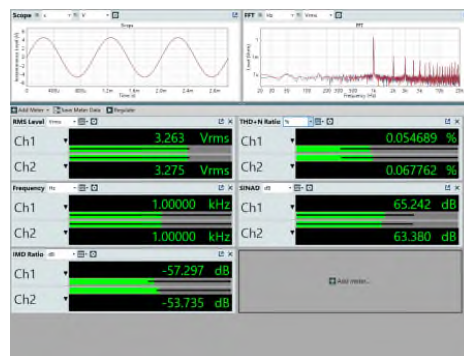
Test conditions: -5dB sinusoidal signal, 20Hz-20kHz, XLR3 balanced line output (10kΩ load)



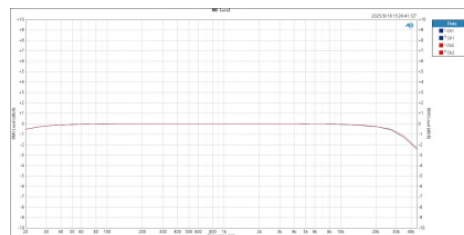
Test conditions: -7dB sinusoidal signal, RCA line output (10kΩ load)



BAL LO 10KΩ



Test conditions: -5dB sinusoidal signal, 20Hz-80kHz, RCA line output (10kΩ load)



Test conditions: -5dB sinusoidal signal, 20Hz-20kHz, XLR3 balanced line output (10kΩ load)



Test conditions: -5dB sinusoidal signal, 20Hz-20kHz, XLR3 balanced line output (10kΩ load)

