

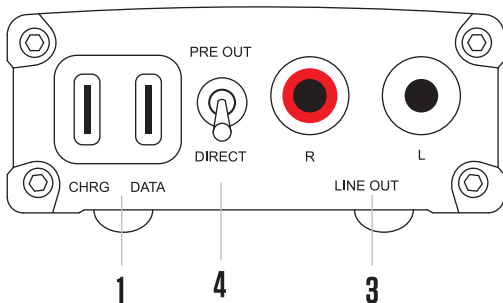
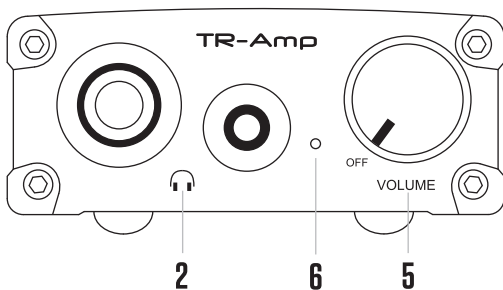


**EarMen**

**TR-Amp**

# TR-Amp

Portable DAC, Pre Amp, Headphone Amplifier



<b>1. INPUT:</b>	DATA / Connect the USB C from the host (PC, iPad/iPhone, Android) CHRG / Power Supply (Charge and play simultaneously)	
<b>2. OUTPUT:</b>	Parallel 6.3 mm Stereo / 3.5 mm Stereo	
<b>3. PRE Line out:</b>	RCA 2V rms	
<b>4. Outout Control:</b>	Direct (DAC) / Pre Out	
<b>5. ON/OFF &amp; Volume Control</b>		
<b>6. LED Indicator</b>	White	Device is ON
	Green	Connected / PCM
	Magenta	MQA
	Cyan	DSD
	Red (flashing)	Battery is < 20%
	Blue (flashing)	Charging
<b>DAC:</b>	ESS Sabre 9038 which support DSD,DXD,PCM,MQA	
<b>USB Decoder:</b>	XMOS	
<b>POWER</b>	16 Ω	>2.5V/400mW
	32 Ω	>3.4V/350mW
<b>Dynamic Range:</b>	> 107 dB	
<b>Frequency Range:</b>	10 hZ – 50 kHz	
<b>THD+N (2.7V, 32R)</b>	<0.005%	
<b>SNR</b>	>114dB	
<b>Audio Formats:</b>		
<b>DSD</b>	DSD 128 Native / DSD 256 (DoP)	
<b>DXD</b>	384/352.8 kHz	
<b>PCM</b>	Up to 384 kHz	
<b>MQA Rendering</b>	Up to 384 kHz	
	Visit <a href="http://mqa.co.uk">mqa.co.uk</a> for more information.	
<b>Line out</b>		
	<b>Direct</b>	<b>PreOut</b>
<b>Output</b>	2.1V	3.4V
<b>THD+N</b>	<0.005%	<0.007% (2.8V)
<b>SNR</b>	>114dB	>114dB
<b>Dinamic range</b>	>107dB	>107dB
<b>Chanel separation</b>	>107dB (1kHz)	>103dB (1kHz)
<b>Battery:</b>	3700 mAh / Up to 10 Hrs	
<b>Dimension L x H x W</b>	129x66x30 mm / 5.08"x2.6"x1.18"	
<b>Weight</b>	240 gr / 0.53 lbs	
<b>Note</b>	During charging use 5V, min 2A adapter	
<b>Warranty</b>	2 year limited warranty	
<b>Help&amp;Support</b>	Read our FAQ at <a href="http://earmen.com">earmen.com</a>	

**Note:**

For playing MQA files, the music data must remain bit-perfect. Setup the player to 24bit and increase the volume to maximum.

**Design and Assembled in Europe**  
**EarMen LLC, Chicago IL, USA**