



Ultra Hi-Res Fully Balanced
Digital-to-Analog Converter



USER MANUAL

EarMen LLC
Chicago, IL, USA

earmen.com

13.0 FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s)

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1.0 INTRODUCTION

Welcome to EarMen Family.

EarMen Traduto is Ultra Hi-Res Fully Balanced Digital-to-Analog converter which allows you to listen all kind of music files: PCM, DXD up to 32-bit/764 kHz, DSD 512, MQA and MQA Studio.

Equipped with the latest Qualcomm Bluetooth chip that supports AAC, SBC, LDAC, aptX, aptX LL and aptX HD codecs, will provide you the high quality, wireless Bluetooth listening experiences, we are sure you will enjoy it.

Please take a short time to read the information in this manual. We want you to be as familiar as possible with all the features and functions of EarMen Tradutto DAC.

2.0 PACKAGE CONTENT

- EarMen Tradutto DAC
- Remote Control
- Power Supply Adapter
- Bluetooth antenna
- User manual

Retain the packing materials for future use. Retain the user manual and information concerning the date and place of purchase of your equipment for further reference.

12.0 NOTE

Please note that if you are using the USB input with MAC/Linux, you will not need a driver, but if you are using WIN, it will need a driver, which you can find at the:
<https://earmen.com/index.php/products/tradutto>

If you have any question, contact us at: sales@earmen.com

For more visit earmen.com



This product should not be disposed with your household waste.

This product should be handed over to a designated collection point to be recycled.

11.0 WARRANTY

Product you have purchased is designed to give you enjoyment in your favorite music. However it is possible that the failure occurs even at this precise-made, high quality equipment. In this case, please read the enclosed warranty carefully which contains rights, limitations, exclusions and obligation.

EarMen LLC warranty terms and condition

- EarMen products come with a two years limited warranty against defects in materials and workmanship.
- Guarantee service is available only in the region/country of original sale
- The guarantees start from the invoice-issue date
- Original invoice must be produced for the authentication prior to any warranty claim.
- Warranty is provided to the original owner only and is not transferable to any third party.
- The warranty does not cover:
 - (a) if the EarMen product is stored in a humid environment
 - (b) which has not been maintained in accordance with any operating or handling instructions provided by EarMen LLC
 - (c) which has been used other than in accordance with the product operating and handling instructions
 - (d) any service or modification performed by an unauthorized person or company
 - (e) any product not purchased from EarMen or an a EarMen Authorized Partner
 - (f) repair work performed by the end user or any non-authorized repair center.
 - (g) normal wear tear and cosmetic damage
 - (h) product sold "as is", "as seen"
 - (i) connected equipment
 - (j) personal injury
- The limited warranty applies to the battery and is valid for 6 months (if any)
- EarMen will during the warranty period repair the product to working order or if this is not possible, EarMen will be replaced the product with the same one or the similar available product.
- Any parts/device that are replaced will become the property of EarMen
- After the warranty period, all the repairs and shipping cost will be charged to the owner.
- Any repair or replacement under this warranty will not extend the prior of warranty.

3.0 IMPORTANT SAFETY INSTRUCTIONS

- Please read these instructions carefully before commencing installation. They provide full guidance to help you install your streamer safely and correctly.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Clean only with dry cloth. Unplug this product from the mains before cleaning.
- Do not install near any heat sources such as radiators, heat registers, stoves or any other apparatus that produce heat.
- Do not use this product near water.
- Do not defeat the safety purpose of the polarized or grounding-type plug. USA and Canada only: A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
- To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle
- The mains plug of the power supply cord shall remain readily operable.

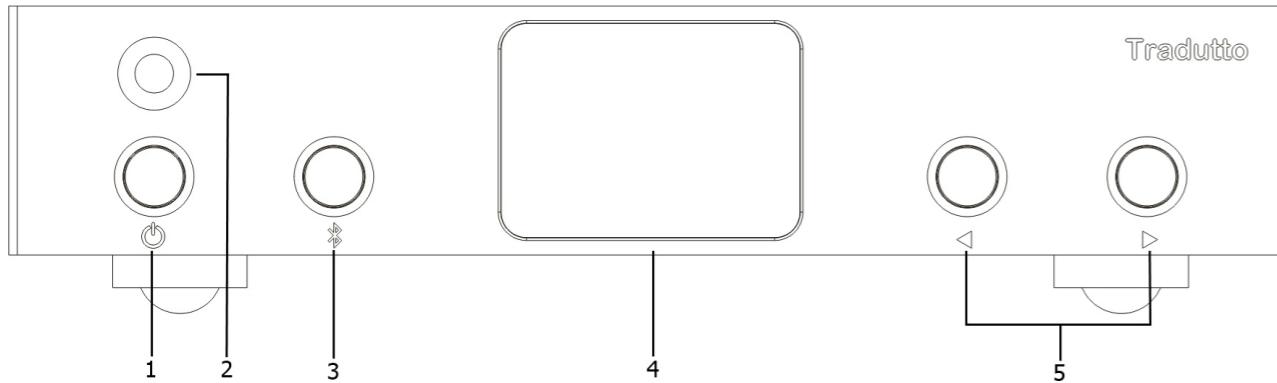


- ATTENTION:

This lightning flash with arrowhead symbol within an equilateral triangle is intend to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be sufficient magnitude to constitute a risk of electric shock. Unauthorized personnel must not open this unit.

- The unit must be mounted on a solid, level and stable surface.
- Before you connect the device to AC mains power, ensure your AC mains voltage corresponds to the product.

4.0 FRONT PANEL



1. ON/OFF Button
2. Remote Receiver
3. Bluetooth Pairing
4. OLED Display
5. Select Buttons

10.0 TROUBLESHOOTING

If you experience any trouble with your Tradutto DAC, contact us on: support@earmen.com

10.1 Tradutto is not recognized by the computer

- ensure the latest driver is installed (for WIN users only)
- ensure that it is connected properly

10.2 There is no power

- ensure the AC power cord is connected properly
- ensure the plug is fully inserted into the wall socket
- ensure the wall socket is working properly

10.3 There is no sound

- check the source component is properly connected
- check your system/speakers are properly connected
- check that your computer's sound output is set to SPDIF or USB (if you are using computer)

10.4 There is no sound on one channel

- check speaker connections
- check the interconnects

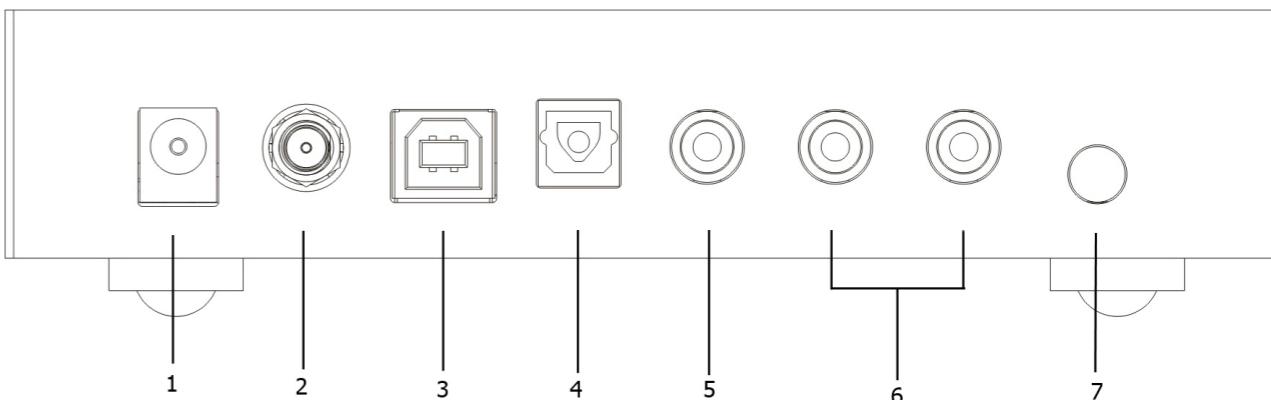
10.5 There is buzz or hum

- ensure no interconnects are loose or defective
- if the noise floor is low, it's most likely a ground loop.

9.0 SPECIFICATIONS

Inputs	BlueTooth Qualcomm	Bluetooth 5.1™ (AAC, SBC, aptX, aptX HD, aptX LL, LDAC)											
USB													
TOSLINK	SPDIF optical												
Coax	SPDIF												
Outputs	RCA (SE output)	output impedance = 300 Ω											
	Balanced 4.4mm	output impedance = 600 Ω											
Audio Formats	PCM	up to 768kHz											
	DSD	DoP64, DoP128, DoP256, native DSD512											
	DXD	up to 768kHz											
	MQA	FSR(MQB/MQA Core), MQA, MQA Studio											
	Bluetooth/SPDIF	44.1kHz – 192kHz/16bit – 24bit											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33.33%; text-align: center;">Single-end output</th> <th colspan="2" style="width: 66.67%; text-align: center;">Fully Balanced Output</th> </tr> <tr> <th style="text-align: center;">USB input</th> <th style="text-align: center;">SP/Diff input/BT</th> <th style="text-align: center;">USB input</th> <th style="text-align: center;">SP/Diff input/ BT</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2Vrms 0dBFS</td> <td style="text-align: center;">2Vrms 0dBFS</td> <td style="text-align: center;">4Vrms 0dBFS</td> <td style="text-align: center;">4Vrms 0dBFS</td> </tr> </tbody> </table>			Single-end output	Fully Balanced Output		USB input	SP/Diff input/BT	USB input	SP/Diff input/ BT	2Vrms 0dBFS	2Vrms 0dBFS	4Vrms 0dBFS	4Vrms 0dBFS
Single-end output	Fully Balanced Output												
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2Vrms 0dBFS	2Vrms 0dBFS	4Vrms 0dBFS	4Vrms 0dBFS										
Output Level	2Vrms 0dBFS	2Vrms 0dBFS	4Vrms 0dBFS	4Vrms 0dBFS									
THD+N	0.0003%	0.0003%	0.0003%	0.0003%									
SNR	>116dB	>116dB	>120dB	>122dB									
	A-Weighted	A-Weighted	A-Weighted	A-Weighted									
Freq. Response	±0.014dB	±0.006dB	±0.03dB	±0.003dB									
Dimension LxHxW	150x30x150 mm / 5,9"x1,18"x5,9"												
Weight	550 gr / 1,21lbs												

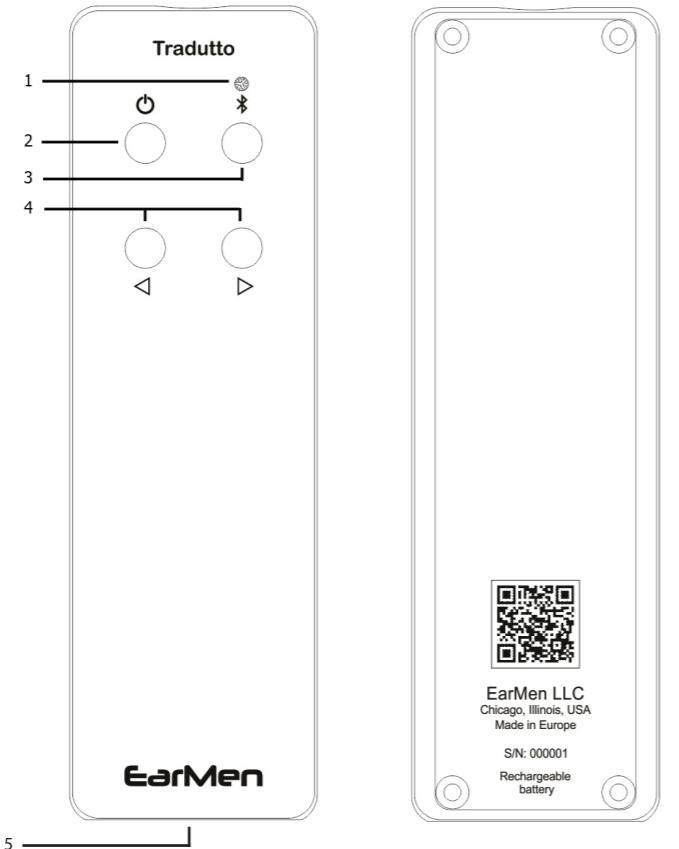
5.0 BACK PANEL



1. Power Supply Input
2. Bluetooth Antenna Connector
3. USB Digital Input
4. TOSLINK Digital Input
5. COAX(RCA) Digital Input
6. RCA Single-Ended Output
7. Balanced Output 4.4mm

6.0 REMOTE CONTROL

1. LED indicator
2. ON/OFF Button
3. Bluetooth Pairing
4. Select Buttons
5. Charging port



7.0 INSTALLATION

EarMen Tradutto DAC has a selection of different inputs and outputs. Locate and Connect your Tradutto DAC inputs on the back with your source device. Also connect the outputs of the Tradutto DAC with your music system, and enjoy! Feel free to contact the EarMen Customer Service department for any further questions or for additional assistance at support@earmen.com

8.0 OPERATION

8.1 Switching On and Off

- The device is switched ON by a short press and OFF by a long press on a button or a remote control.

8.2 Bluetooth pairing

- Turn On the source Bluetooth and press the  button on the Tradutto front panel for pairing.

8.3 Source select

- To select different source inputs, press  or  on the front panel.

8.4 Remote Control Led Indicator

- Green - remote is active
- Flashing Red - the battery is empty

8.5 Charging the Remote Control

- Please use a USB C charger, min 5V / 0.5A
- Red - the battery is charging
- The LED indicator turns off - the battery is charged