



Palmer PLI03 Two-Channel Unbalanced Line Isolation Box Passive User Manual

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Palmer[®]

Palmer PLI03 Two-Channel Unbalanced Line Isolation Box Passive



RIVER SERIES

Let your signals flow, naturally and powerfully like a river! The River Series embodies this claim down to the last detail: Featuring high-precision circuits, designed by our award-winning engineers to ensure your sound reaches its destination – the hearts of your listeners. That's exactly what Palmer® stands for. We have been manufacturing audio tools for professional use on stage, in broadcasting and in the studio since 1980. Musicians and sound engineers around the world value our solutions developed in Germany for their unhindered signal flow and pure sound – as crystal clear and vibrant as water! So what was more logical than naming the River Series models after German rivers? On the map of Germany you can see where the enz flows: 112 kilometres through Baden-Württemberg. Thank you for purchasing the enz! We hope you enjoy this piece of German engineering. Be true to your sound Yours, the Palmer Team



INTENDED USE

This product is a device for event technology, as well as studio, TV and broadcast! This product has been developed for professional use in the field of event technology, studio, TV and broadcast. It is not suitable for household use! Furthermore, this product is only intended for qualified users with specialist knowledge of event technology, as well as studio, TV and broadcast! Use of the product outside the specified technical data and operating conditions is considered inappropriate! Liability for damage and third-party damage to persons and property due to inappropriate use is excluded! This product is not suitable for:

- Persons (including children) with limited physical, sensory or mental abilities or lack of experience and knowledge.
- Children (children must be instructed not to play with the device).

SAFETY INSTRUCTIONS

1. Please read these instructions carefully.
2. Keep all information and instructions in a safe place.
3. Follow the instructions.
4. Use the device in the prescribed manner only.
5. Do not open the device and do not perform any modifications.

CHOKING HAZARD! KEEP OUT OF THE REACH OF CHILDREN! THE PRODUCT CONTAINS SMALL PARTS AND PACKAGING MATERIAL THAT CAN BE SWALLOWED! PLASTIC BAGS MUST BE KEPT OUT OF THE REACH OF CHILDREN!

INTRODUCTION

Two-channel separator (line isolator). Equipped with RCA inputs and outputs, the Line Isolation Box enz is specially designed for connecting notebooks and sound cards to mixers, etc. Use the ground lift switch to disconnect the ground connection from the input and output to eliminate hum loops and other interference signals that can be caused by computers, for example.



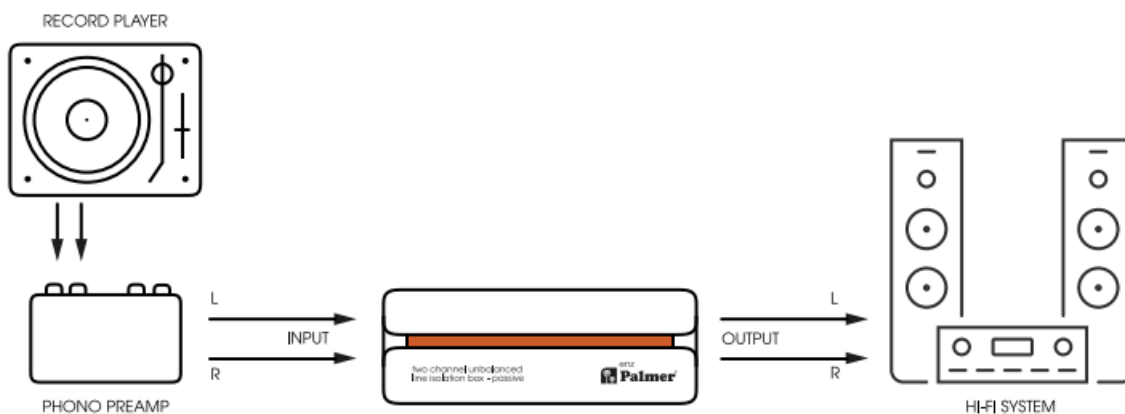
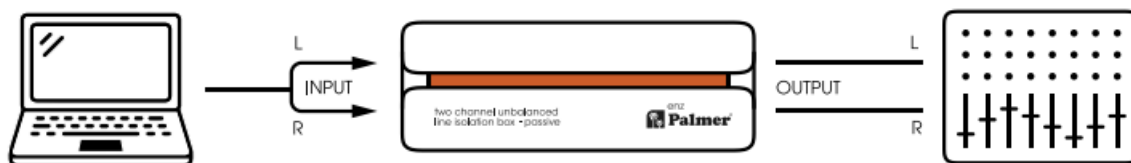
CONNECTIONS AND OPERATING ELEMENTS

1. INPUT LEFT/RIGHT Unbalanced stereo line input with two RCA (cinch) sockets. Use a shielded stereo audio cable, for example, to connect a notebook to the Line Isolation Box.
2. OUTPUT LEFT/RIGHT Unbalanced stereo line output with two RCA (cinch) sockets. Use a shielded stereo audio cable to connect the Line Isolation Box to an unbalanced stereo input on a mixer or audio interface.
3. LIFT/GND Switch for disconnecting the ground connection from the input and output (ground lift). In the non-pressed position, the ground connection is disconnected; the connection is established when the switch is pressed. The ability to prevent a humming loop using the ground lift switch depends on the grounding of the connected devices. It is therefore possible that both one and the other switch position is able to effectively reduce or eliminate humming.

ATTENTION: Connecting signal cables can cause a lot of noise. Make sure that input channels from mixers and audio interfaces etc. are muted during plugging. Otherwise, noise levels may cause damage.

PLEASE NOTE: Strong magnetic fields can cause humming. Therefore, do not position the Line Insulation Box near strong magnetic fields (e.g. mains transformer).

WIRING EXAMPLES

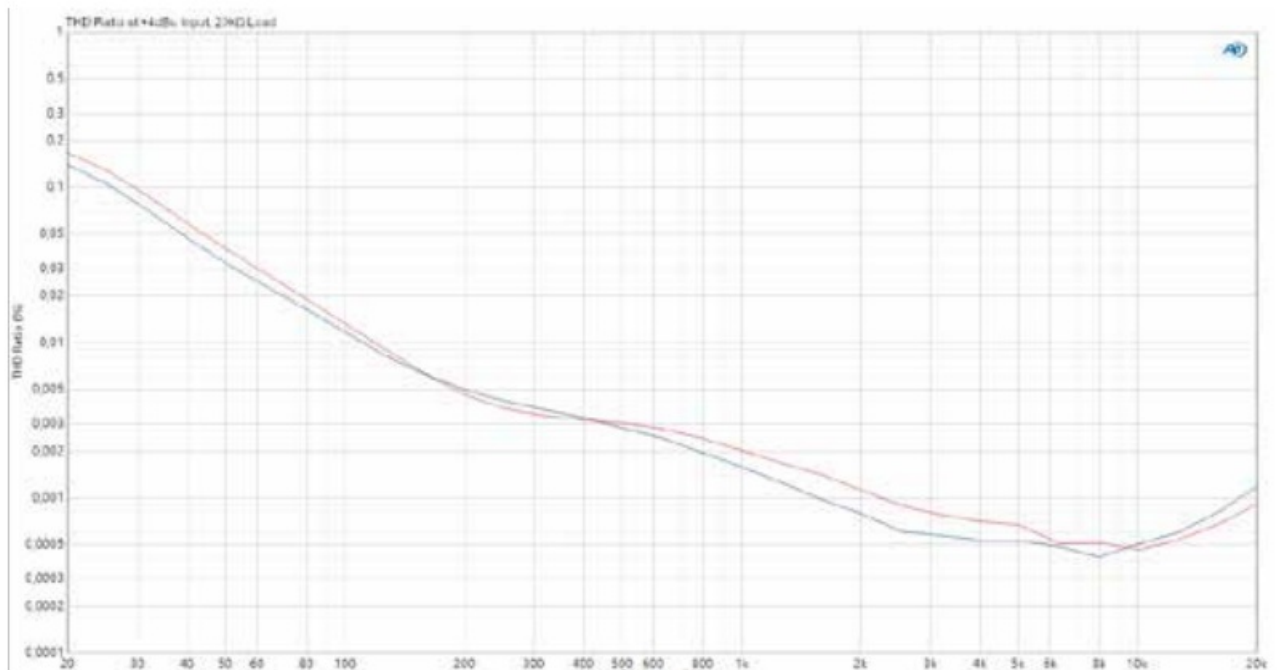
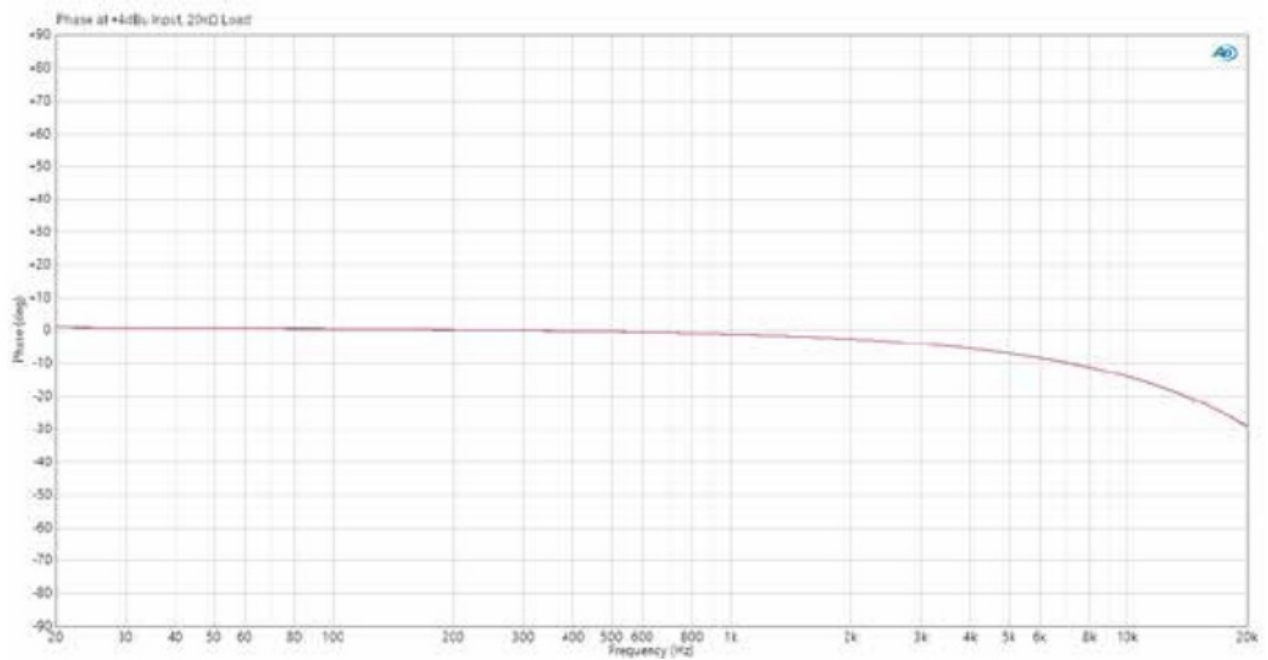
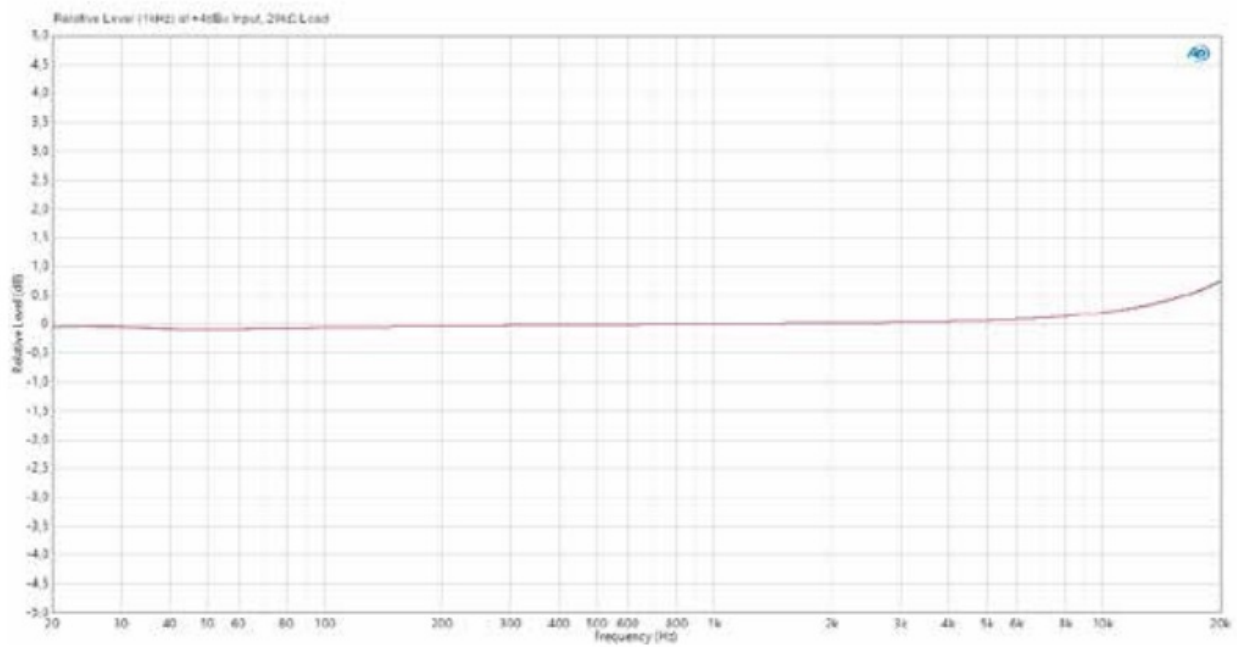


TECHNICAL DATA

GENERAL

Product number	PENZ
Product type	Line isolator
No. of channels	2
Type	Passive
Transformer isolated	Yes
No. of inputs	2
Input type	Unbalanced
Input connections	Cinch
No. of outputs	2
Output type	Unbalanced
Output connections	RCA
Ground/lift switch	Yes
Housing	Aluminium continuous casting
Dimensions (H/W/D)	140 x 50 x 68 mm
Weight	0.42 kg
Ambient temperature for operation	-20°C...70°C
Relative air humidity	<80%, non-condensing
Included accessories	rubber feet, tourlabel

AUDIO	
Max. input level (<1% THD, 20 Hz)	+14 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 1 dB, relative 1 kHz)	5 Hz–20 kHz
Input impedance (1 kHz)	16 k Ω
Output impedance (1 kHz)	1.3 k Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.15%
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.003%
IMD (SMPTE) (60 Hz/7 kHz, 4:1, +4 dBu)	< 0.003%
Transformer ratio	1:1



DISPOSAL

PACKAGING

1. Packaging can be fed into the reusable material cycle using the usual disposal methods.
2. Please separate the packaging in accordance with disposal laws and recycling regulations in your country.

DEVICE

1. This device is subject to the European Waste Electrical and Electronic Equipment Directive in the currently valid version. WEEE Waste Electrical and Electronic Equipment Directive. Old appliances do not belong in household waste. The old device must be disposed of via an approved disposal company or a municipal disposal facility. Please observe the applicable regulations in your country!
2. Observe all disposal laws applicable in your country.
3. As a private customer, you can obtain information on environmentally friendly disposal options from the seller of the product or the appropriate regional authorities.

BATTERIES

1. Batteries should not be disposed of in the household waste. Batteries and rechargeable batteries must be disposed of via an approved disposal company or a municipal disposal facility.
2. Observe all disposal laws applicable in your country.
3. As a private customer, you can obtain information on environmentally friendly disposal options from the seller of the product or through the relevant regional authorities.
4. Devices with batteries that cannot be removed by the user must be taken to a collection point for electrical appliances

MANUFACTURER'S DECLARATIONS

Manufacturer's warranty & limitation of liability Adam Hall GmbH Adam-Hall-Str. 1 61627 Neu-Anspach, Germany
Email: info@adamhall.com / +49 (0)6081 / 9419-0. Our current warranty conditions and limitation of liability can be found at: https://cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-PALMER_DE_EN_ES_FR.pdf Contact your distribution partner for service.

CE conformity

Adam Hall GmbH hereby confirm that this product meets the following guidelines (where applicable): Low-Voltage Directive (2014/35/EU) EMC Directive (2014/30/EU) RoHS (2011/65/EU) RED (2014/53/EU)

EC Declaration of Conformity

Declarations of conformity for products that are subject to the LVD, EMC, RoHS Directives, can be requested at info@adamhall.com. Declarations of conformity for products that are subject to the RED Directive can be downloaded at www.adamhall.com/compliance/.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation

UKCA- Conformity

Hereby, Adam Hall Ltd. declares that this product meets the following guidelines (where applicable) Electrical Equipment (Safety) Regulations 2016 Electromagnetic Compatibility Regulations 2016 (SI 2016/1091) The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulation 2012 (SI 2012/3032) Radio Equipment Regulations 2017 (SI 2016/2015)

UKCA- Declaration of Conformity

Products that are subject to Electrical Equipment(Safety) Regulation 2016, EMC Regulation 2016 or RoHS Regulation can be requested at info@adamhall.com. Products that are subject to the Radio Equipments Regulations 2017 (SI2017/1206) can be downloaded from www.adamhall.com/compliance/

Documents / Resources



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PLI03, Two-Channel Unbalanced Line Isolation Box Passive, PLI03 Two-Channel Unbalanced Line Isolation Box Passive, Unbalanced Line Isolation Box Passive, Line Isolation Box Passive, Isolation Box Passive, Box Passive, Passive

References

- [📄 Downloads](#) | [Service](#) | [Adam Hall Shop](#)