



Palmer River Series 1-Channel Line Isolation Box Passive User Manual

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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 fields 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!

The 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

The iller Line Isolation Box is equipped with a combo socket on the input side, which can be assigned with an XLR or 6.3 mm jack plug. The input allows the connection of playback devices with balanced or unbalanced connections. The balanced line output is equipped with a male XLR socket. There is galvanic isolation between input and output by means of a high-quality transformer. With the help of the ground lift switch to disconnect the ground connection of input and output, hum loops and other interfering signals are effectively eliminated. Audio signals can also be transmitted hum-free over long cable runs with the help of the iller.



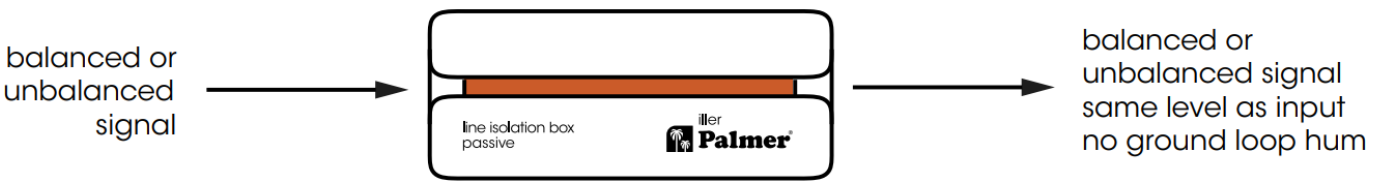
CONNECTIONS

- 1. INPUT Line input with combo jack (XLR / 6.3 mm jack) suitable for both unbalanced and balanced cabling. Use a shielded audio cable to connect, for example, a keyboard to the Line Isolation Box.
- 2. OUTPUT Balanced line-out via 3-pin XLR jack. Use a shielded audio cable to connect the Line Isolation Box to a balanced input of a mixing console 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 device. It is therefore possible that the switch is able to effectively reduce or eliminate humming when it is either up or down, depending on circumstances.

 **CAUTION:** Connecting signal cables can cause considerable noise. Please make sure that the input channels of mixing console and audio interfaces, etc. are muted when plugged in. Otherwise, noise levels may cause damage.

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

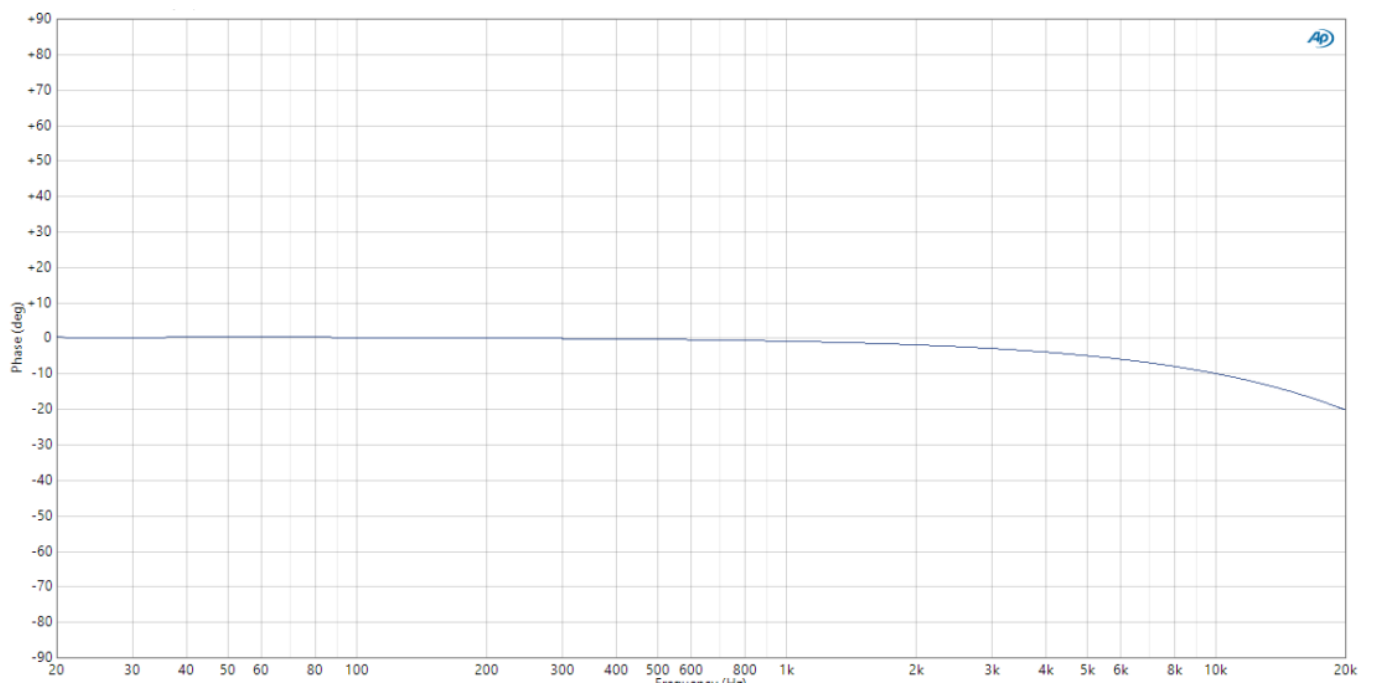
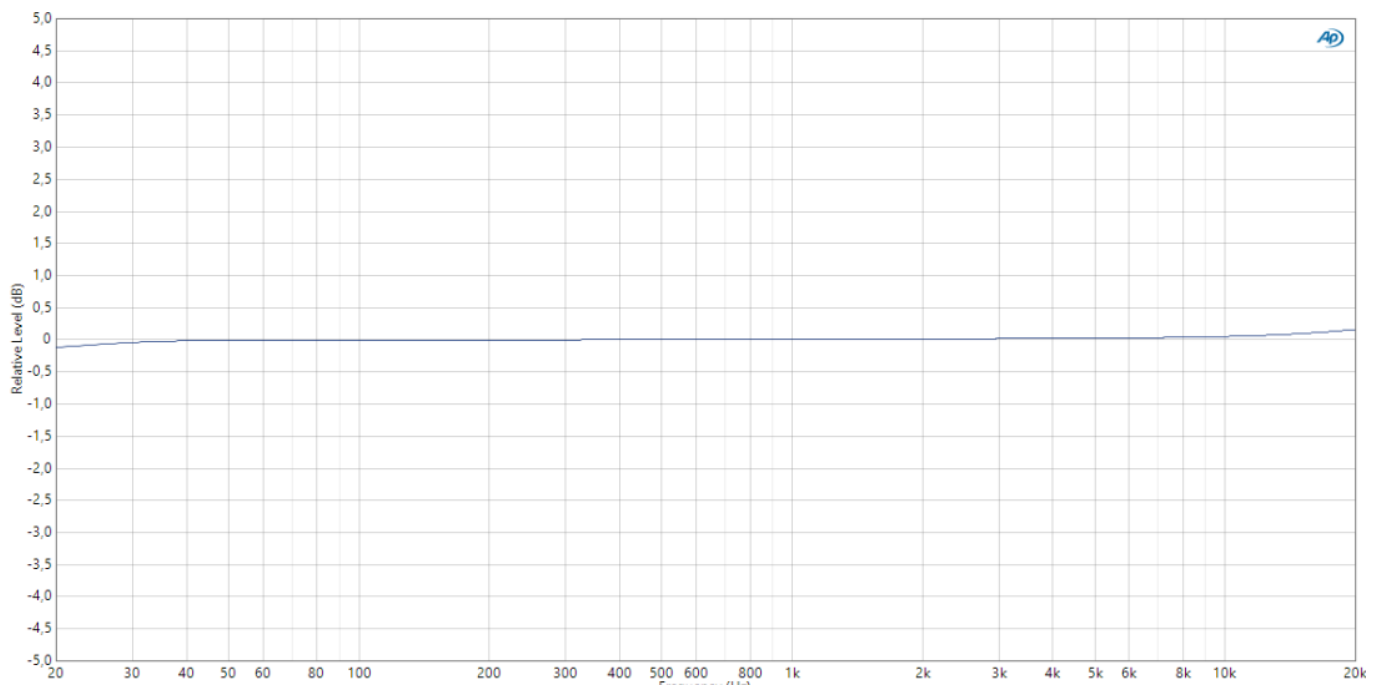
WIRING EXAMPLE

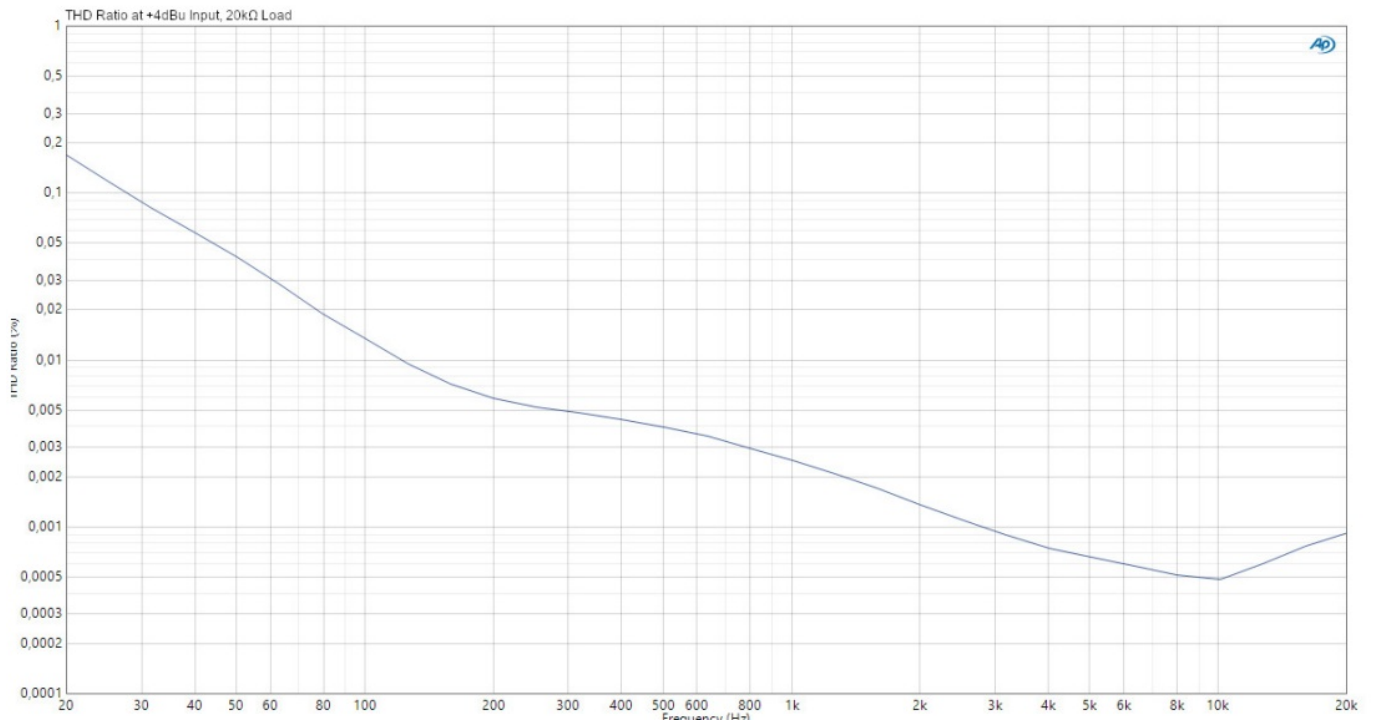


TECHNICAL DATA GENERAL

Product number	PILLER
Product type	Line Isolator
No. of channels	1
Type	passive
Transformer isolated	yes
No. of inputs	1
Input type	symmetrical/asymmetrical
Input connections	6.3 mm Jack, XLR
No. of outputs	1

Output type	symmetrical/asymmetrical
Output connections	XLR
Ground/lift switch	yes
Housing	Aluminium continuous casting
Dimensions (H/W/D)	110 x 50 x 50 mm
Weight	0.3 kg
Ambient temperature for operation	-20°C...70°C
Relative air humidity	<80 %, non-condensing
Included accessories	Rubber feet, inscription label
AUDIO	
Max. Input level (< 1% THD, 20 Hz)	+10 dBu
Max. Input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 2 dB, relative 1kHz)	20 Hz – 20 kHz
Input impedance (1 kHz, setting: 0 dB PAD)	17 k Ω
Output impedance (1 kHz, setting: 0 dB PAD)	500 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.09 %
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.002 %
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0.002 %
Transformer ratio	1:1
All measurements were performed with a generator with 600 Ω output impedance and 20 k Ω balanced load.	





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 house- hold 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)

(1) This device may not cause harmful interference, and (2) 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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River Series 1-Channel Line Isolation Box Passive, River Series, 1-Channel Line Isolation Box Passive, Line Isolation Box Passive, Isolation Box Passive, Box Passive, Passive

References

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Manuals+.