



Palmer wupper Line Isolation Box Passive User Manual

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wupper Line Isolation Box Passive



Product Information

The Line Isolation Box passiv is a product from the River Series by Palmer. It is a passive device that is designed to isolate audio signals and eliminate ground loop hum. The product is available in the wupper variant.

Product Usage Instructions

To use the Line Isolation Box passiv, follow these steps:

1. Connect your audio source to the input of the Line Isolation Box using either a balanced or unbalanced signal.
2. Connect the output of the Line Isolation Box to your audio destination using either a balanced or unbalanced signal.
3. Ensure that the signal level of your input and output signals are the same.
4. The Line Isolation Box will eliminate ground loop hum and provide isolation for your audio signals.

Note: For wiring examples, refer to the “VERKABELUNGSBEISPIEL” section of the user manual. Additionally, technical specifications for the product can be found in the “TECHNISCHE DATEN ALLGEMEIN” section of the user manual.



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 Peene flows: 138 kilometers through Mecklenburg-Western Pomerania. Thank you for purchasing the peene! 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 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

A line splitter is used when a signal source is to be split to several outputs, for example to control several power amplifiers or active speakers in different rooms. By using generously dimensioned isolating transformers, the sound remains unaffected, but hum loops are safely excluded.

Line Isolation Box passive



CONNECTIONS

1. INPUT

Line input with 6.3 mm jack socket suitable for both unbalanced and balanced cabling. Use a shielded audio cable to connect, for example, a keyboard to the Line Isolation Box.

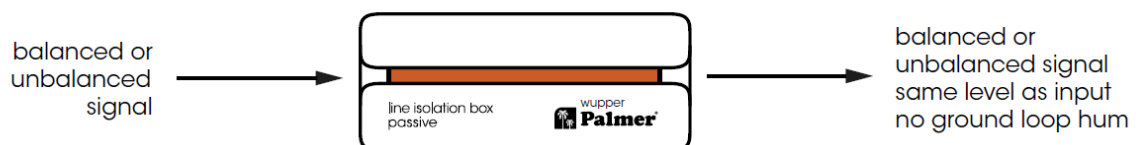
2. OUTPUT

Line output with 6.3 mm jack socket suitable for both unbalanced and balanced cabling. Use a shielded audio cable to connect the Line Isolation Box to an input of a mixer or audio interface.

CAUTION: Connecting signal cables can cause considerable noise. Pay attention to this, and make sure that input channels (mixer, audio interface, etc.) are muted when plugged in. Otherwise, noise levels can 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).

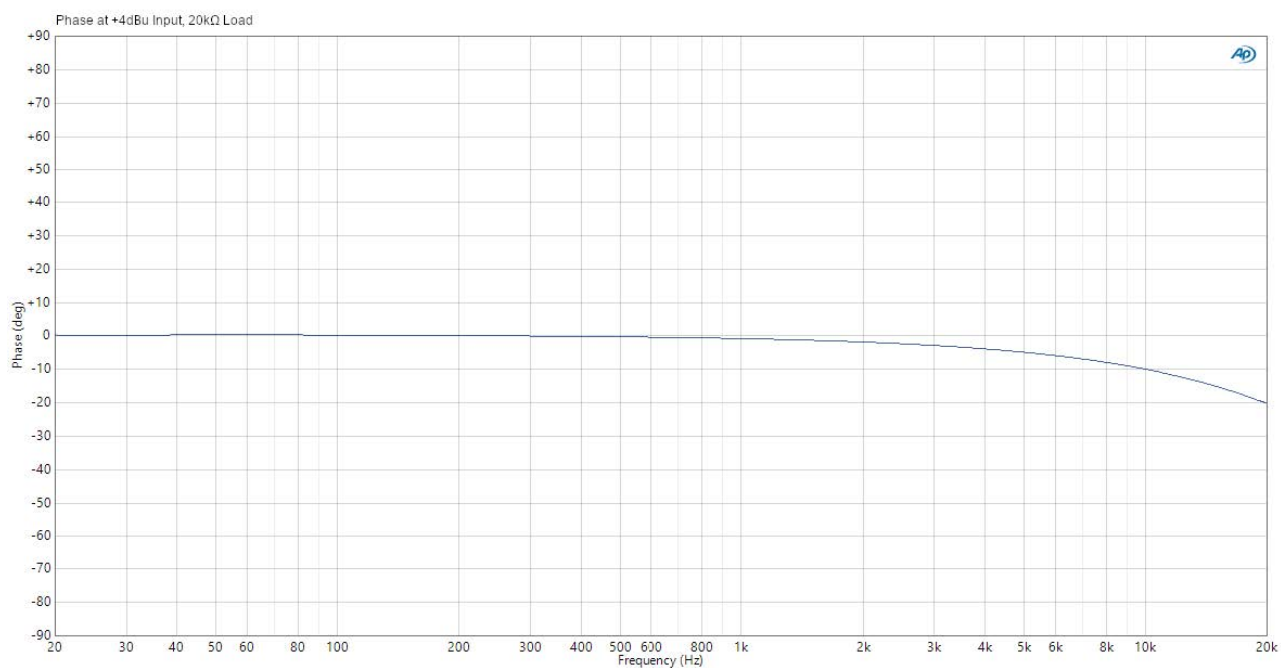
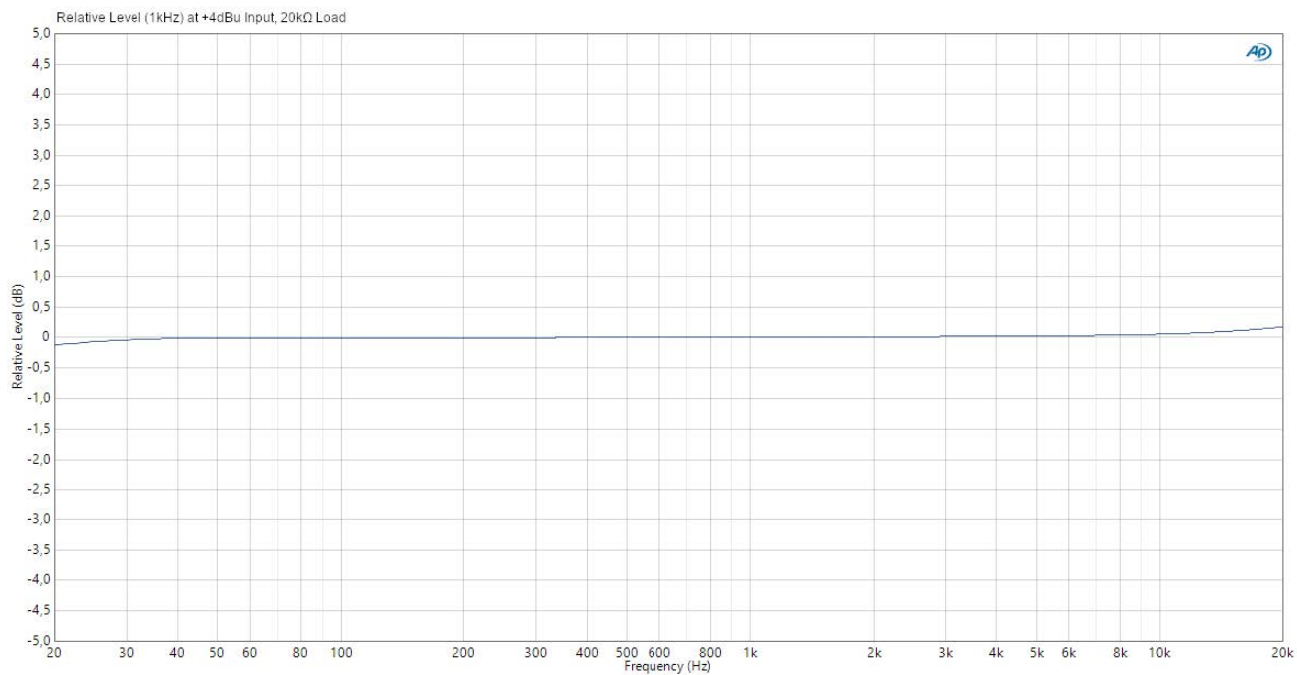
WIRING EXAMPLE

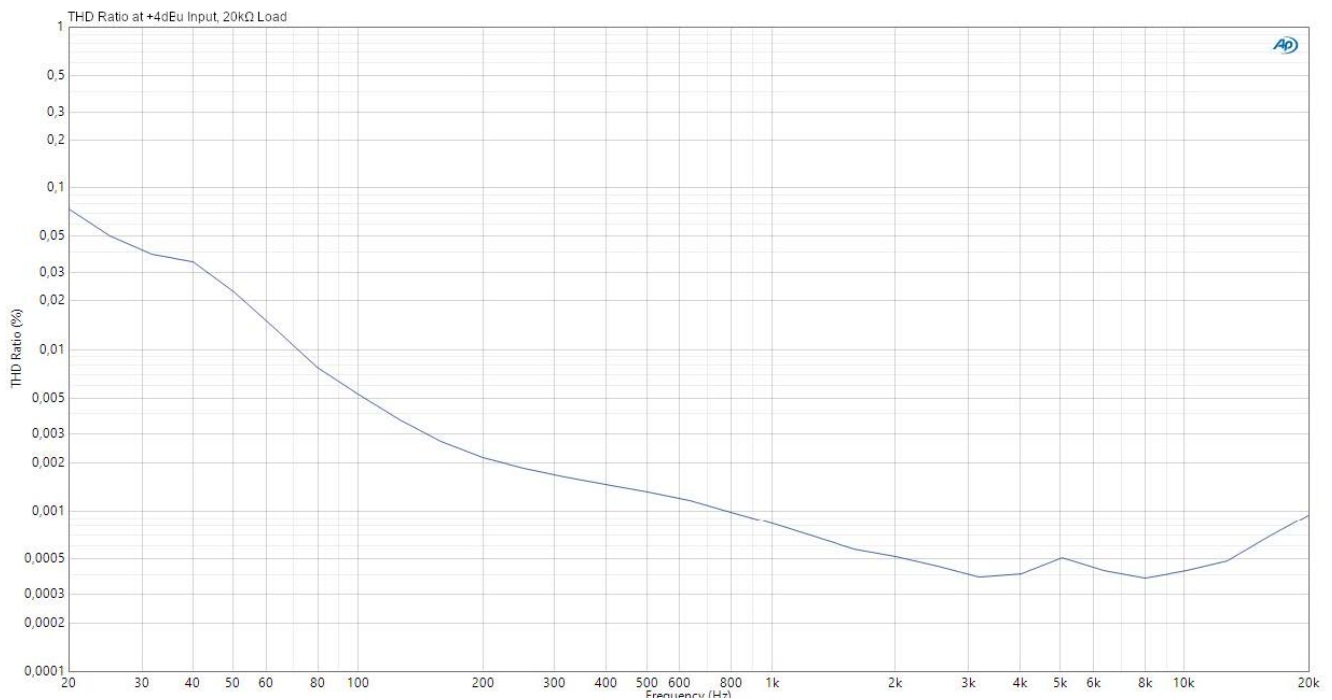


TECHNICAL DATA

GENERAL

Product number	PWUPPER
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
No. of outputs	1
Output type	symmetrical/asymmetrical
Output connections	6.3 mm jack
Ground/lift switch	no
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)	17 k Ω
Output impedance (1 kHz)	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 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/Manufactur-ers-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:

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 Equipment's Regulations 2017 (SI2017/1206) can be downloaded from www.adamhall.com/compliance/

SUBJECT TO MISPRINTS AND ERRORS, AS WELL AS TECHNICAL OR OTHER MODIFICATIONS!

Documents / Resources



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River Series, wupper, wupper Line Isolation Box Passive, Line Isolation Box Passive, Isolation Box Passive, Box Passive

References

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