



Palmer 48747 1 Two Channel Line Isolation Box Passive User Manual

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User Manual

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48747 1 Two Channel Line Isolation Box Passive



Let your signals flow, naturally and powerfully like a river! The River Series embodies this claim down to the last detail, with high-precision circuitry designed by our award- winning engineers to ensure your sound reaches its destination unadulterated: the heart 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 Kyll flows: 127 kilometres through North Rhine-Westphalia and Rhineland-Palatinate.
Thank you for buying the kyll!
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

The kilo Line Isolation Box is equipped with two combo sockets on the input side, which can be assigned with XLR or 6.3 mm jack plugs. The inputs allow the connection of playback devices with balanced or unbalanced connections. The balanced line outputs are equipped with male XLR sockets. There is galvanic isolation between inputs and outputs by means of high-quality transformers. Using the ground lift switch to disconnect the ground connection of inputs and outputs, 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 Line Isolation Box.

two channel line isolation box passive



CONNECTIONS AND OPERATING ELEMENTS

1. INPUT A / INPUT B

Line inputs with combo jacks (XLR / 6.3 mm jack) suitable for both unbalanced and balanced cabling. Use shielded audio cables to connect a keyboard to the Line Isolation Box, for example.

2. OUTPUT A / OUTPUT B

Balanced line outputs with 3-pin XLR sockets. Use shielded audio cables 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. Make sure that input channels from mixers and audio interfaces etc. are muted during plugging. 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 EXAMPLES



TECHNICAL DATA

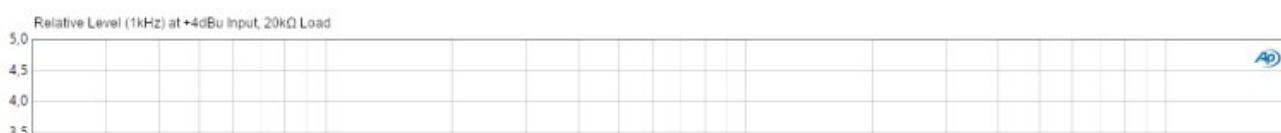
GENERAL

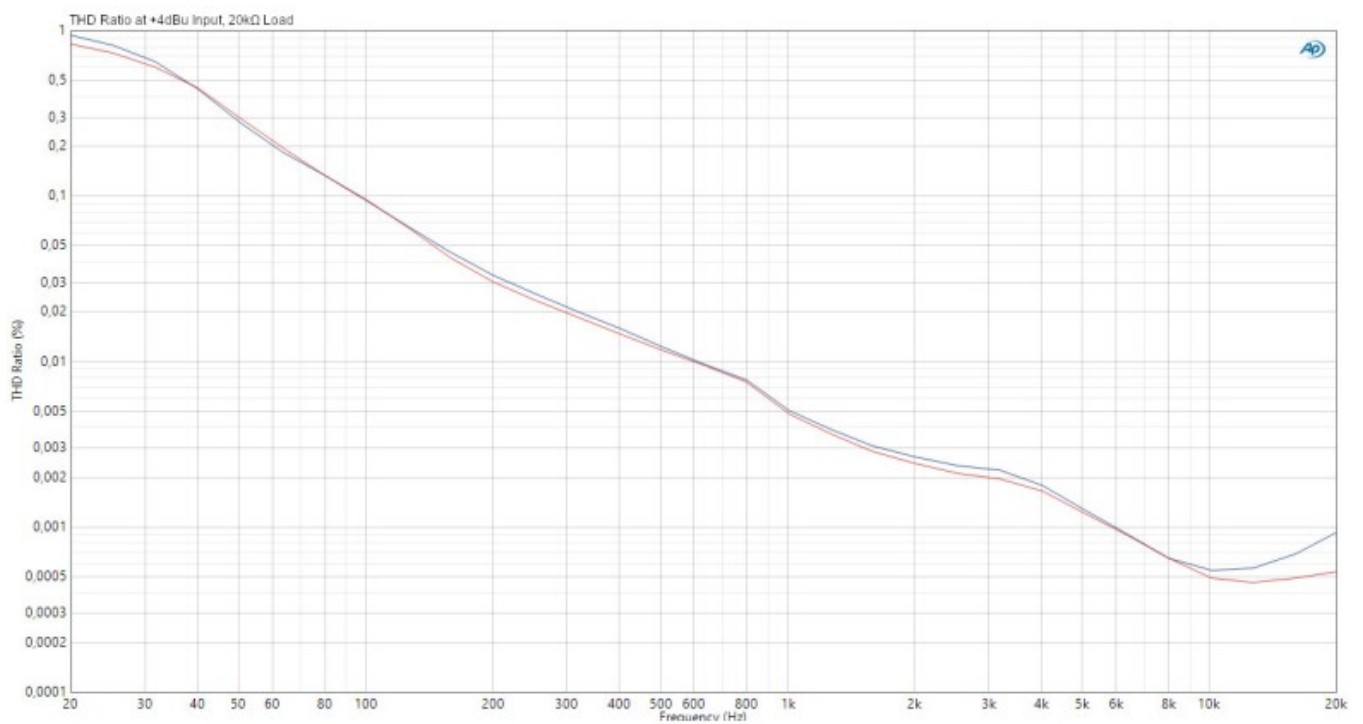
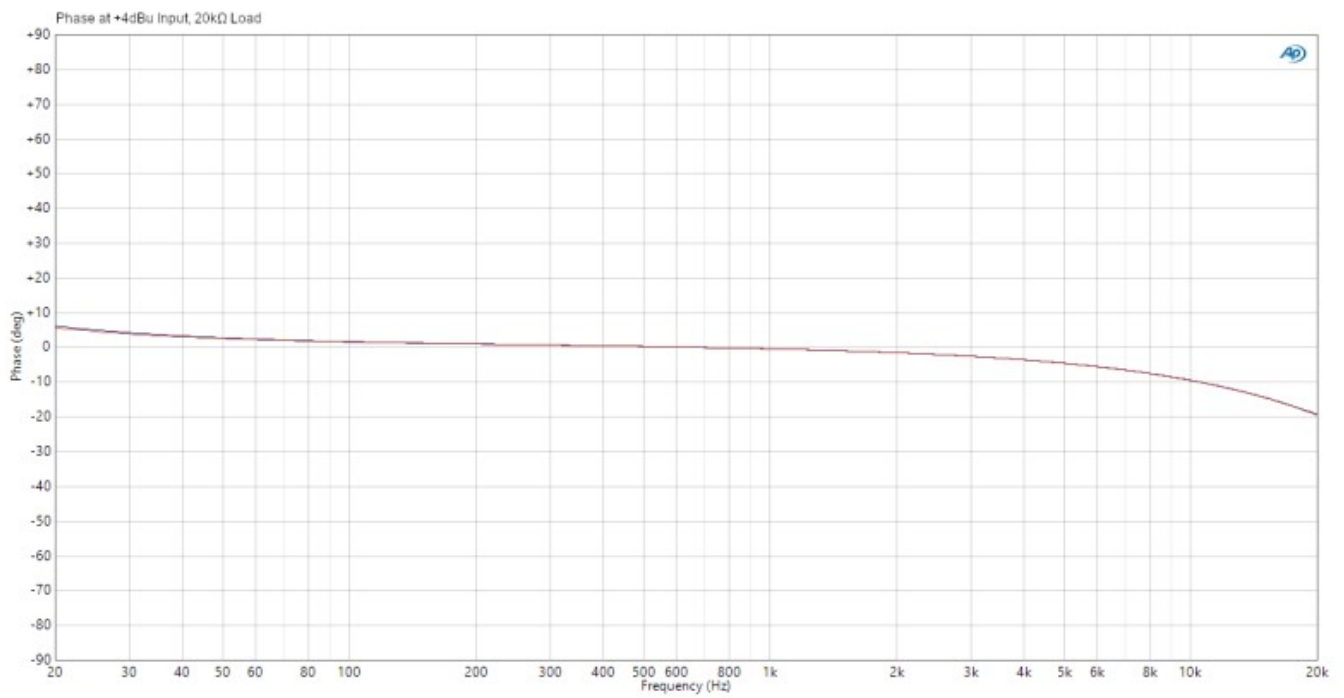
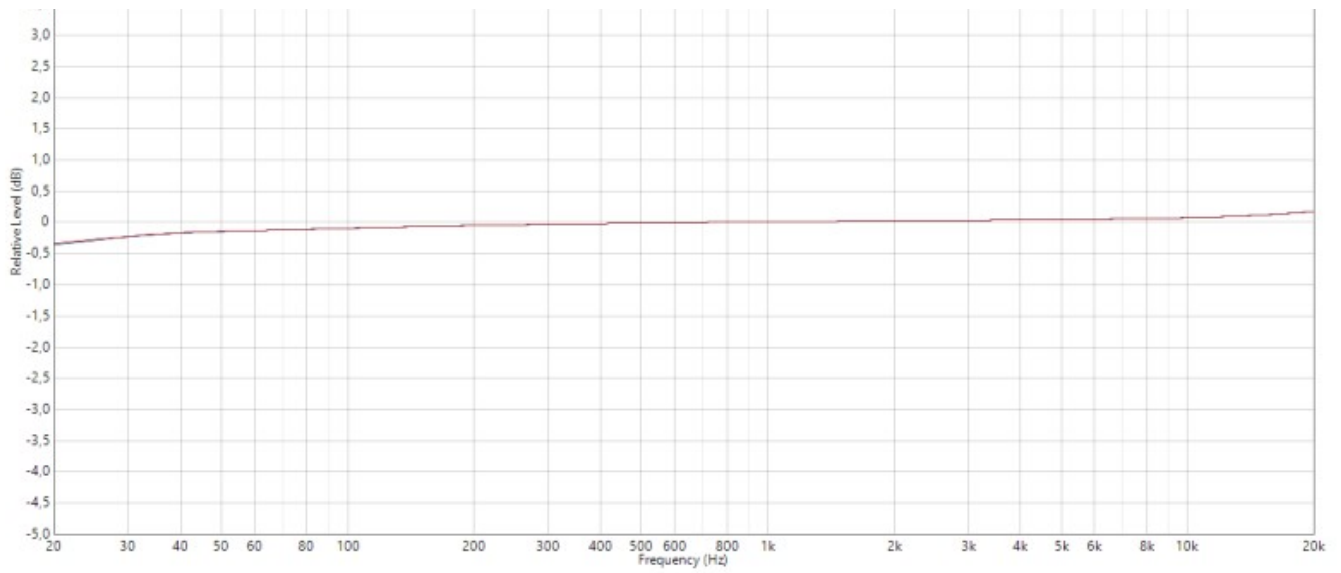
Product number	PKYLL
Product type	Line isolator
No. of channels	2
Type	passive
Transformer isolated	yes
No. of inputs	2
Input type	symmetrical/asymmetrical
Input connections	6.3 mm jack, XLR
No. of outputs	2
Output type	balanced
Output connections	XLR
Ground/lift switch	yes
Housing	Aluminium continuous casting
Dimensions (H/W/D)	140 x 50 x 98 mm
Weight	0.69 kg
Ambient temperature for operation	-20°C...70°C
Relative air humidity	<80%, non-condensing
Included accessories	Rubber feet, inscription label

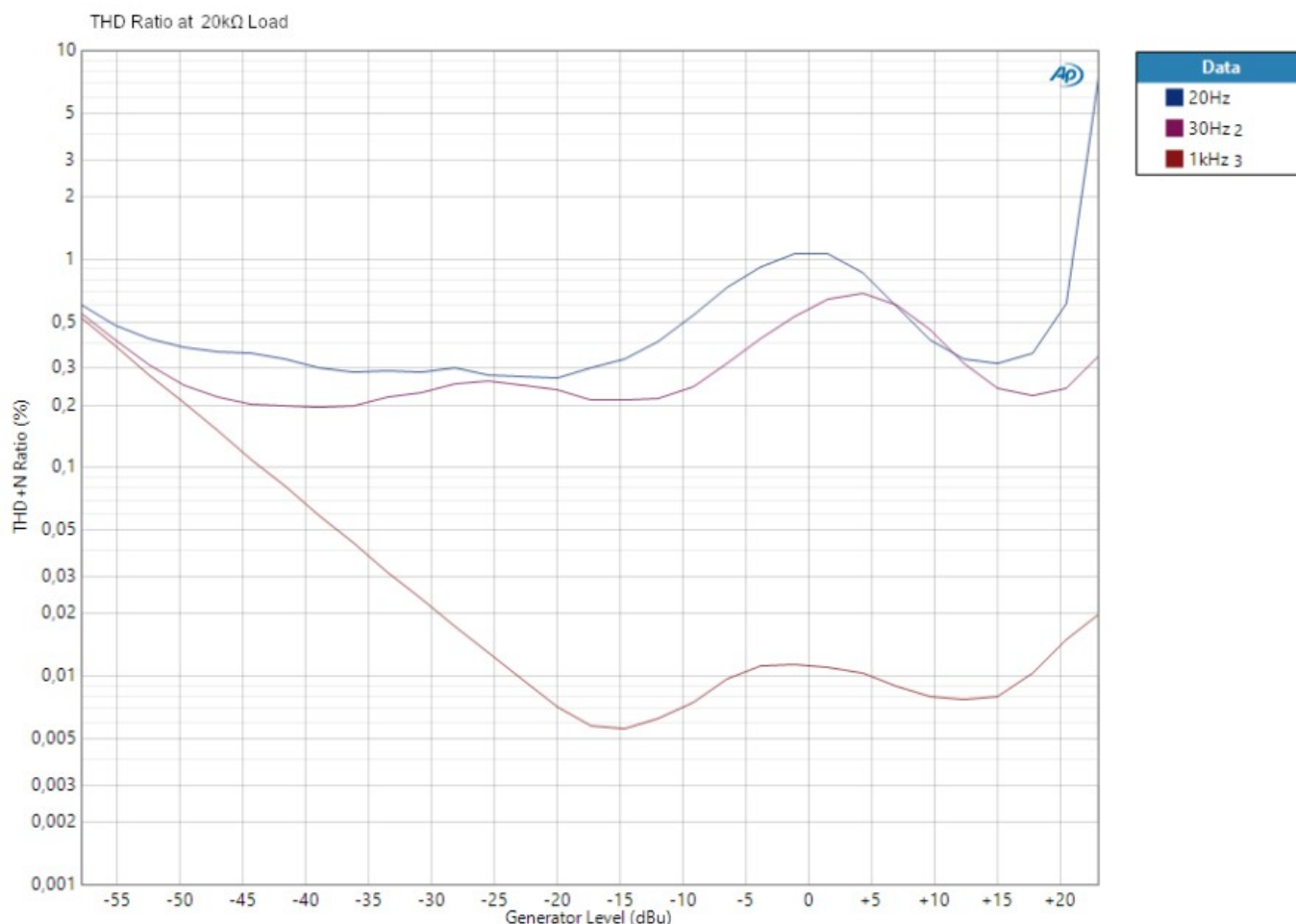
AUDIO

Max. Input level (< 1% THD, 20 Hz)	+20 dBu
Max. Input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response ($\pm 0,2$ dB, relative 1 kHz)	10 Hz – 50 kHz
Input impedance (1 kHz)	9.3 k Ω
Output impedance (1 kHz, Setting: ...)	260 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)	< 0.001 %
Transformer ratio	1:01

All measurements were made using a generator with 100 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/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:

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

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

Documents / Resources

	<p>Palmer 48747 1 Two Channel Line Isolation Box Passive [pdf] User Manual 48747 1 Two Channel Line Isolation Box Passive, 48747 1, Two Channel Line Isolation Box Pa ssive, Isolation Box Passive, Box Passive</p>
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References

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

Manuals+.