



Palmer 1043702 Vils Channel Merge Line Isolation Box Passive User Manual

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Palmer 1043702 Vils Channel Merge Line Isolation Box Passive



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 must be instructed not to play with the device.

SAFETY INSTRUCTIONS

- Use the device in the prescribed manner only.
- 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

Equipped with cinch inputs and a balanced 3-pin XLR output, the passive line isolation box vils is specially designed for connecting notebooks and sound cards to professional mixers. The stereo signal coming from the playback device is summed to mono internally via a resistor network then impedance matching and signal balancing are achieved by a high quality audio transformer especially designed for the unit. Using the ground lift switch to disconnect the ground connection from the input and output can eliminate noise such as hum loops.

channel merge line isolation box vils passive



CONNECTIONS AND OPERATING ELEMENTS

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.

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 both one and the other switch position is able to effectively reduce or eliminate humming.

OUTPUT

Balanced mono output with male 3 pin XLR socket. Use a balanced audio cable microphone cable to connect the line isolation box to a balanced audio input on a mixer or audio interface.

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.

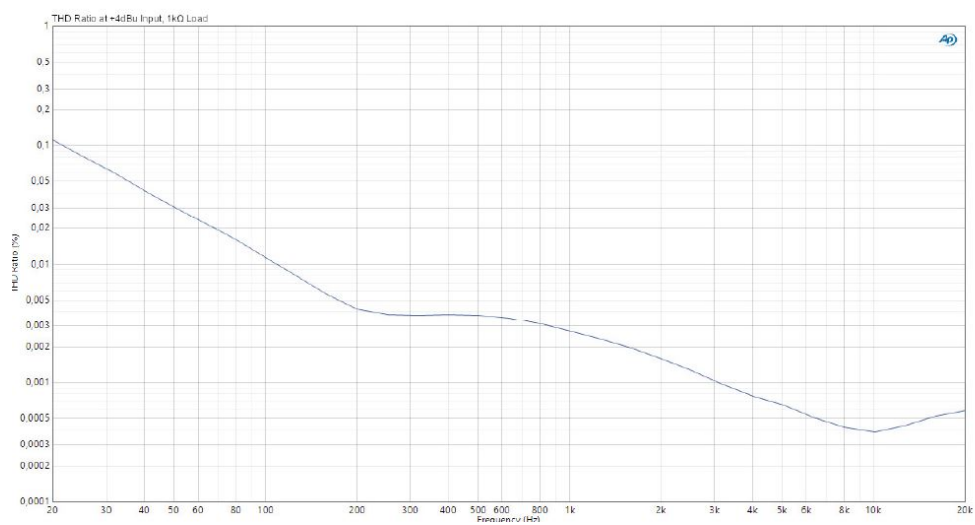
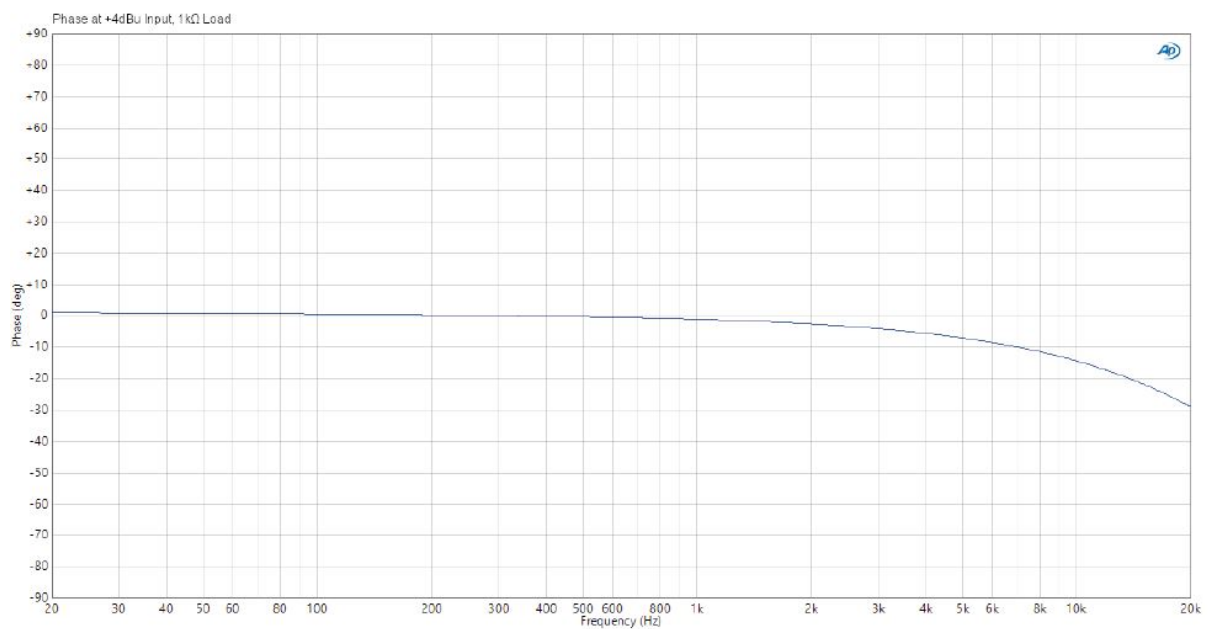
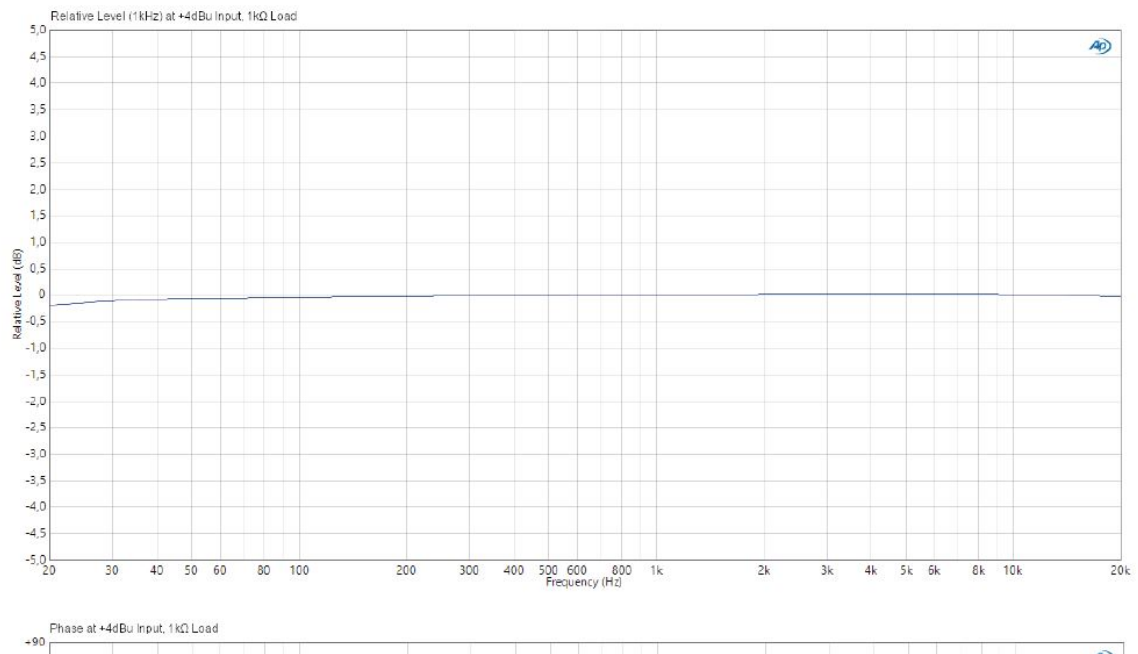
NOTE

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

TECHNICAL DATA GENERAL

Product number	PVILS
Product type	Line isolator
No of channels	1
Type	passive
Transformer isolated	Yes
No of inputs	2
Input type	unbalanced
Input connections	Cinch
No. of outputs	1
Output type	balanced

Output connections	XLR
Ground/lift switch	Yes
Housing	Aluminium continuous casting
Dimensions (H/W/D)	140 x 50 x 68 mm
Weight	0.385 kg
Ambient temperature for operation	-20°C...70°C
Relative air humidity	<80%, non-condensing
Included accessories	Rubber feet, label (tour label)
AUDIO	
Max. input level <1% THD, 20 Hz	+12 dBu
Max. input level < 1% THD, 1 kHz	+32 dBu
Frequency response ± 0.2 dB, relative 1 kHz	20 Hz-30 kHz
Input impedance (1 kHz)	2.7 k Ω
Output impedance (1 kHz)	600 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.08%
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.003%
IMD (SMPTE) (60 Hz/7 kHz, 4:1, +4 dBu)	< 0.002%
Transformer ratio	1:1
All measurements were taken with a generator with 600 Ω output impedance incl. open inputs and 1 k Ω balanced load.	



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-](https://cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-PALMER_DE_EN_ES_FR.pdf)
- 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.
- This device must accept any interference received including interference that may cause undesired operation.

SERIE RIVER



Documents / Resources

	<p>Palmer 1043702 Vils Channel Merge Line Isolation Box Passive [pdf] User Manual 1043702, Vils Channel Merge Line Isolation Box Passive, 1043702 Vils Channel Merge Line Isolation Box Passive</p>
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References

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