TRANSfourMER
Isolated Audio
Interface
Eurorack Module

VERMONA TRANSfourMER Isolated Audio Interface Eurorack Module User Guide

Contents

VERMONA TRANSfourMER Isolated Audio Interface Eurorack Module

Product Information

Specifications

- Brand: VERMONA
- Model: TRANSfourMER
- Module Type: Eurorack
- Channels: 4 identical channels
- Input: Linked between channels
- Controls: None for adjusting levels
- Signal Quality: Low-noise with excellent quality

Installation

1. Switch off your modular system and disconnect it from the mains.
2. Connect the 10-pin shrouded connector on the back of TRANSfourMER to the ribbon cable. The colored wire indicates -12 volts. Use the original cable that came with the module.
3. Connect the 16-pin connector on the ribbon cable to a connector on your frame's system bus. The colored wire indicates -12 volts.
4. Double-check the connections, then mount TRANSfourMER in your case using all four M3 screws and washers provided.
5. Connect your power supply to the mains and switch on your modular system. The green LED in the middle of

the module will light up if all connections are correct.

Operation
All four channels of the TRANSFourMER are identical.

IN
The input of each channel is linked to the next channel. If a plug is not connected to the input of a channel, it will automatically receive the input signal from the previous channel.

OUT
No controls are provided for adjusting levels. The module is designed to consistently deliver low-noise signals of excellent quality, allowing you to focus on creativity.

FAQs

- **Q: Can I use different ribbon cables for installation?**

  A: It is recommended to use the original cable that came with the module to ensure correct connection and polarity.

- **Q: What should I do if the green LED does not light up after installation?**

  A: Double-check all connections, especially the ribbon cable connections, and ensure that the module is securely mounted in the case. If issues persist, contact customer support for further assistance.

Introduction

Thank you for purchasing the TRANSfourMER module, or at least for considering it as a possible addition to your modular system.
Probably a quick look at its front panel will be enough for you to understand what it does and how it works. No

doubt, you could install and use it without any further information. However, we encourage you to read the entire manual. It won't take much of your life, but you might benefit from one or two hints.

Your VERMONA Crew from the Elektroakustische Manufaktur, Erlbach

Installation

We would be surprised if TRANSfourMER is the first module you install in an Eurorack case. But we won't go on without mentioning the most important steps:

1. Switch off your modular system and disconnect it from the mains!
2. Connect the 10-pin shrouded connector on the back of TRANSfourMER to the ribbon cable. The colored wire indicates -12 volts. You should use the original cable that came with the module because it can only be connected in the correct position.
3. Connect the 16-pin connector on the ribbon cable to a connector on your frame's system bus. Again, the colored wire indicates -12 volts.
4. After double-checking the connection, mount TRANSfourMER in your case using all four M3 screws and washers provided.
5. **Done!** You can connect your power supply to the mains and switch on your modular system. If all connections are correct, the green LED in the middle of the module will light up.

Operation

All four channels of the TRANSfourMER are identical.

IN
Connect the audio signals from your modular system here. It can handle all levels found in the

Eurorack world (±10 Volt).
The first channel's input is linked to the second one. This means that if you do not connect a plug to the input of the second channel, it will automatically receive the input signal of the first channel. The same applies to channels 3 and 4.

OUT
This provides balanced and galvanically isolated audio signals with a maximum level of +6 dBu (assuming input levels are ±10 volts).

We wanted to make TRANSfourMER as easy to use as possible. Therefore, we deliberately omitted all kinds of controls for adjusting or displaying levels. Instead, we designed the module to always deliver low-noise signals with excellent quality. You can concentrate on the creative (fun) part of eurorack while TRANSfourMER delivers the results to your outboard equipment or DAW.

Technical Specifcations

- **Audio Features**
  - Frequency Range ……………………………………………<20 Hz … >20 kHz (-1 dB)
  - Max. Input Level ……………………………………………………. +30 dBu (24 volts)
  - Input Impedance ……………………………………………………………………… 10 kΩ
  - Max Output Level …………………………………………………...+12.8 dBu (±3.4 V)

- Output Impedance ……………………………………………………………<100 Ω
- Signal-To-Noise ratio …………………………………………………….. 103 dB
- THD-Noise (50 Hz … 20 kHz) …………………………………………… <0.06 %
- **Maximum Power Consumption**
  - +12 volts …………………………………………………………………..20 mA
  - —12 volts …………………………………………………………………..20 mA
  - +5 volts …………………………………………………………………….n/a
- **Dimensions and Weight**
  - Width/Height …………………………………………………………..12 HP/3U
  - Depth ………………………………………………………………… 43 mm
  - Height …………………………………………………………………. 270 g

HDB electronic GmbH
Badesteig 20
08258 Markneukirchen
Germany
Phone +49 (0) 37422 4027-0
Email **info@vermona.com**
Web **www.vermona.com**

Documents / Resources

	VERMONA TRANSfourMER Isolated Audio Interface Eurorack Module [pdf] User Guide TRANSfourMER Isolated Audio Interface Eurorack Module, Isolated Audio Interface Eurorack Module, Audio Interface Eurorack Module, Interface Eurorack Module, Eurorack Module, Module

References

- **User Manual**