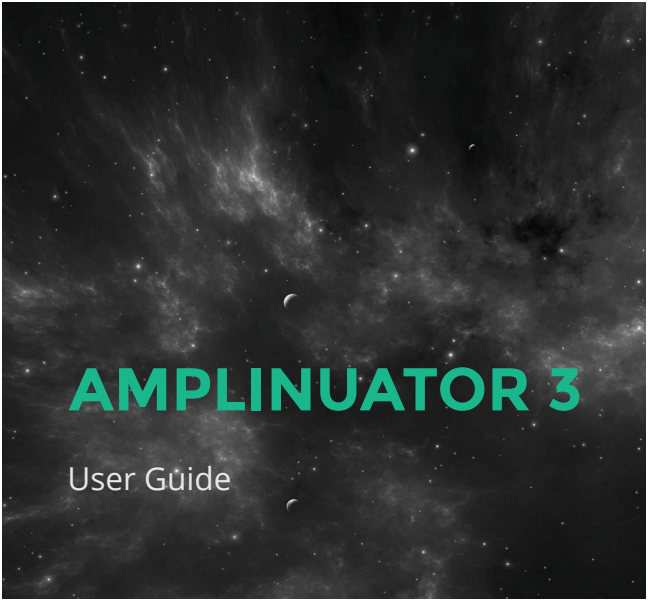
VERMONA

ELEKTROAKUSTISCHE MANUFAKTUR



Introduction

We are delighted you bought the AMPLINUATOR 3 module or possibly plan to do so. The module offers plenty of useful functions that will lighten and brighten your modular life. You can use it as 3-in-1-mixer, attenuator and amplifier with normal and inverted signal outputs.

This manual is short. Despite, we kindly ask you to read it entirely as it includes essential safety information that must be respected when installing the module. We also give you some useful hints for getting out the most value of your new AMPLINUATOR 3.

Your VERMONA crew from the
Elektroakustischen Manufaktur, Erlbach

Unpacking and Installation

The module comes complete with

– the AMPLINUATOR 3 itself

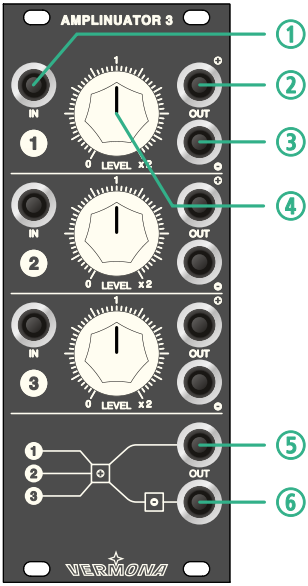
– a ribbon-cable (16pin-to-10pin)

– four M3-screws with suitable plastic washers

Switch off your modular system and disconnect its power cable/power supply!

1. Connect the ribbon-cable with its 10-pin-connector to the shrouded header on the module's rear. You can only connect it in one direction. **The color-coded side of the ribbon-cable points towards –12 volts.**
2. Connect the ribbon-cable with its 16-pin-connector to a free connector of your modular system's bus board. **Make sure that the color-coded side of the ribbon cable also points towards –12 volts.**
3. Double-check the connection and switch on your modular system if everything is connected properly.

Functions and Control Elements



The "3" in the module's name and its layout may already have revealed to you what never was a secret: it has three identical channels.

Each channel has a separate input **IN**, two outputs **OUT ⊕** and **OUT ⊖** as well as a **LEVEL** control. The summing section underneath offers additional outputs **OUT ⊕** and **OUT ⊖**.

IN ①

We are sure you guess the right: this is the channel's input. You can plug in any signal that shall be processed by AMPLINUATOR 3, be it audio or CV.

OUT ②/③

No secret here as well. These are the channel's outputs, one with normal (**OUT ⊕**), the other with inverted (**OUT ⊖**) polarity.

LEVEL ④

You think this is obvious as well? Please continue reading as this **LEVEL** control might work a bit different to what you are used to with other modules.

– In its middle position (12 o'clock - labeled with "**1**"), the signal's level on the **OUT ⊕** jack equals the input level. There is no attenuation and no amplification.

– If you turn **LEVEL** anticlockwise from there, the input signal will be attenuated until it is entirely muted at **LEVEL**'s far left position.

– If you turn **LEVEL** clockwise, starting from 12 o'clock, the signal will be amplified. The maximum amplification factor is two at **LEVEL**'s far right position (labeled with "**x 2**"). This means the output level at **OUT ⊕** is twice as much as the input level.

The level conditions are the same for the **OUT ⊖** output, except the fact that the signals are being inverted, meaning that a **+5 volts** input signal becomes a **–10 volts** signal at **OUT ⊖** with **LEVEL** fully turned up.

The maximum output level of AMPLINUATOR 3 is **10 volts** (respectively **–10 volts**). For Example, a 5-volts-input signal can be doubled to a maximum of **10 volts**. Any input signal with a higher voltage does not exceed **+10 volts** at the module's outputs but the output signal starts being distort. To increase the degree of distortion, you may even cascade the AMPLINUATOR 3's channels.

Summing Section

The channels can be summed up. The individual channel's **OUT ⊕** ② output determine whether a channel is part of the sum or not: if you connect a 1/8"-plug, the respective channel is taken from the summing section.

OUT ⊖ inverts the master signal.

Technical Specification

Levels

max. Input level .....±10 Volts
max. Output level.....±10 Volts

Maximum Power Consumption

+12 V .....50 mA
–12 V .....50 mA
+5 V .....n/a

Dimensions and Weight

Width/Height.....10 HP/3 U
Depth .....approx. 30 mm incl. ribbon cable's connector
Weight.....115 g



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