VERMONA

ELEKTROAKUSTISCHE MANUFAKTUR



Introduction

A modular system lives. You may start small, but over the time your requirements grow and so does your modular system. Suddenly you have many signal sources and the need for summing them up. At the beginning of your modular career, the inputs of your mixing console or audio interface were sufficient, but now this becomes unhandy and awkward.

On the other hand, you will not always need to set individual levels for each signal when summing up. Often there is a level control on the signal's source module, or you can use an attenuator.

∑42 (pronounced: SUM 42) is a convenient and compact solution for summing up to eight, or two times four signals. You can use it with audio- or control-voltage signals.

Because the functions are obvious, they only need a short description. Despite, we kindly ask you to read the entire manual–it won't take long, promise!

Enjoy patching and summing up!

Your VERMONA crew from the
Elektroakustischen Manufaktur, Erlbach

Unpacking and Installation

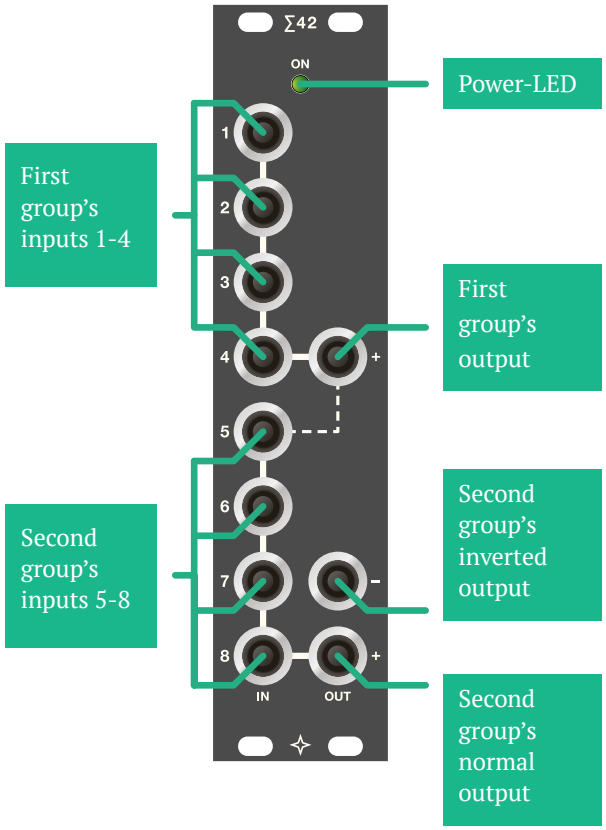
The module comes complete with

- the ∑42 module
- 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 before installing any module!

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 an unused connector of your modular system's bus board. **Make sure the ribbon cable's color-coded side points towards –12 volts!**
3. Double-check the connection! Use the four M3-screws to mount the module into your modular system's frame. Also, don't forget to use the plastic washers to prevent scratches on the module's surface.
4. Reconnect your modular system to the power supply and switch it on. The green LED of ∑42 lights up.

Functions and Control Elements



∑42 has two groups of four inputs, each with a summing output. If you don't use the first group's output (+), its input signals will automatically be summed up to the second group's output.

Besides the normal (+) output, the second group has an additional inverted output (–).

Distortions may occur by summing up to four or eight input signals. If that's the case, lower the signals on their source or use an attenuator.

No more secrets here. Enjoy your modular system which grew again.

Technical Specification

Levels

max. input level.....±10 volts
max output level .....±10 volts

Maximum Power Consumption

+12 V .....10 mA
–12 V.....25 mA
+5 V .....n/a

Dimensions and Weight

Width/Height.....6 HP/3 U
Depth .....approx. 30 mm incl. ribbon cable's connector
Weight.....55 g



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