



LARIX ELEKTRO

CONTROLE MULTIPLE

WHAT'S THAT THING ?

This is a configurable multiple module, or extension for other LE modules.



JACKS:
8 I/O.

And that's it !

Technical specifications:

+12V : 0mA

-12V : 0mA

5V : 0mA

2HP, 25mm deep (Approx.) with the jumpers

Installation:

It is better to have a **well-insulated box** because parasites can be added to the signal of the modules. If you are not familiar with electronics, prefer commercial boxes. This is especially true for power supplies: a poorly designed power supply can damage the modules.

To avoid various problems, electromagnetic, but not only, **complete the empty spaces with blind front panels** (Blank panels).

For more informations about how to configure the module, and using it as an extension, see below.

Configuration:

On the back, for each jack:

Access to the tip of the connected jack cable.

Access to the Normaled pin.

With the jumper, it's possible to select which one are connected to the internal bus, to connect multiple jacks together.

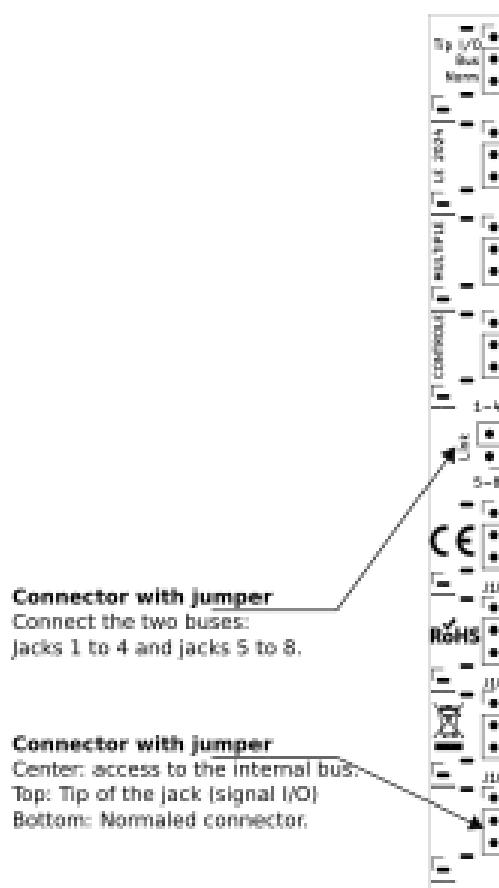
One more jumper to connect the internal bus of the 1 to 4 jacks (jumper « **link** ») with the internal bus of the 5 to 8 jacks.

By default, the module is configured as a 1 to 7 mult.

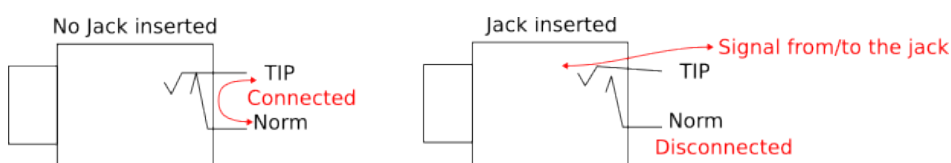
It means that the jumper « **link** » is inserted.

And the jumper of each jack is connected between « **TIP I/O** » and « **BUS** ».

To have two 1 to 3 multiples, remove the « **link** » jumper. (You can insert the jumper to only one pin, and let the other free)



« Norm » explanation :



Using as an extension module:

The Multiple module can be used to add more input/outputs for some modules.
Like adding CVs to the **AUDIO 4TOMS**.

The module you want to expand must have some similar pinheaders on the back. Or at least some holes to solder this kind of connector.

Refer to the user manual to see what are the extension possibilities.

For each optional input/output available, you can connect one Jack from the **MULTIPLE** module.

For example, the **4TOMS** has one CV input per voice, but 3 parameters can be controlled by CV.

You have to choose which one you want to control with a jumper.

But the two other CV are available on the free pins. You can use to connect the **MULTIPLE**.

To connect the two modules together, you will need one cable per jack you want to connect.

You can solder them, or using **Dupont cable**.

Connect the cable to the **TIP I/O** pin from the jack you want to use.

Technical notes, and for DIYers:

You can do more complexe connexion with the « Norm » pin. For example, if you want that some parameter receive the same signal until a jack is inserted on it.

The module can be used by DIYers, that want some I/O jack to their experimental module, but :
LARIX-ELEKTRO cannot be held responsible if a module is damaged after being connected incorrectly, or in case you want to use this module to add I/O to a module that does not have this capability. Check the manual of your module. And do modification at your own risk !
(OK, let's say you have to know what you're doing...)

Do not connect to any PSU connector !
(even if it looks cool to have the +12V available on the from panel, it's not a good idea...)

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