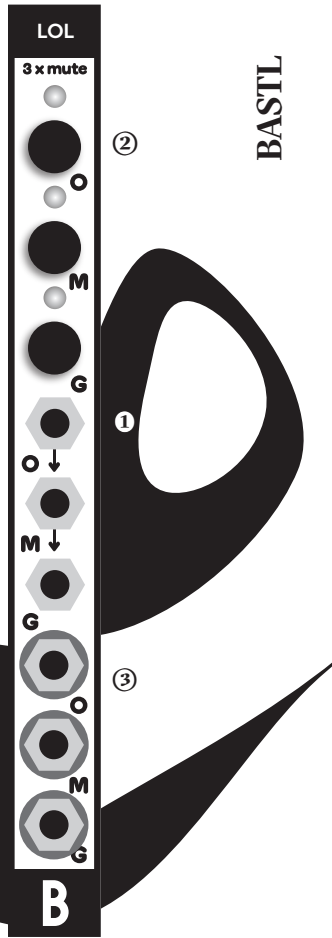


B LOL



LOL is a performative 3 channel passive mute module with latching push buttons, LED indication, and normalization between inputs. It is intended to be a small and low-cost mute, but it can also be used as a switched multiple. LOL has 3 channels: O, M and G. Each channel consists of an INPUT, a MUTE BUTTON with an LED, and an OUTPUT.

1 INPUTs on the LOL are normalized in cascading fashion. This means, if no cable is inserted into a channel below a channel with a cable, the signal from the upper connector will be copied into the lower connector. For example, if a cable is only inserted in the O INPUT connector, that signal will be copied to both channels M and G. Thanks to this, the LOL can be used as a “switched multiple” module and to quickly route one signal to multiple destinations.

2 Latching MUTE BUTTON switches either connect the INPUT with the OUTPUT of the corresponding channel (unmuted = light on) directly, or they connect the OUTPUT to ground (muted = light off).

3 The OUTPUTs are either connected to the unmuted INPUT signal (button down, light on), or they are connected to ground (button up, light off), depending on the position of the MUTE BUTTON.
Note: Switching of passive buttons can produce audible clicks in the sound for signals with low harmonics content, such as sine waves. Therefore it is recommended to use the LOL to rather mute GATE or TRIGGER signals triggering envelopes for such signals and not to mute these signals directly, if possible.

LOL

PCB

Take it Carefully
BASTL



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These scratch pads connect the OUTPUT to ground in the mute position. This ensures completely silent muting. If these pads were scratched the mute position would just leave an open connection to the OUTPUT. Such open connections might be sensitive to induce a little bit of the muted signal for instance. However, there might be an advantage to such a configuration. When the scratch pads are cut with a sharp knife they might allow for passive mixing configuration (as mixing in any passive multiple). In such a configuration, you can use the OUTPUTs as INPUTs and use channel O INPUT as the mixed OUTPUT. Labeling: G_A for channel O, G_B for channel M, G_C for channel G

features

- 3 channel passive mute
- latching buttons
- LED indication
- normalization of inputs

technical details

- 2 HP width
- 24mm deep (skiff friendly)
- power consumption: +12V: < 5mA
- 10-pin power connector (to power the LEDs)

connecting module to your system

Before connecting the ribbon cable to this module disconnect your system from power !



Before connecting the ribbon cable to this module disconnect your system from power! Double check the polarity of the ribbon cable and that it is not shifted in any direction. The red cable should match the -12V rail both on the module and on the bus board!

please make sure of the following

- you have a standard pinout euro rack bus board
- you have +12V and -12V rails on that bus board
- the power rails are not overloaded by current

We do not take any responsibility for damages caused by wrong power supply connection. After you connected everything, double-checked it and closed your system, so no power lines can be touched by hand, turn on your system and test the module.

GIMNO