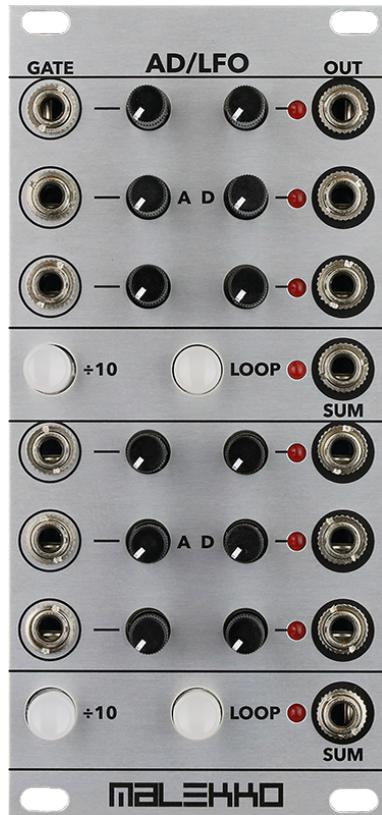


**MALEKHO**

# AD/LFO MANUAL V.1





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## SPECIFICATIONS

FORMAT:  
EURORACK

DIMENSIONS:  
12HP, 12mm deep

INTERNAL AND EXTERNAL SIGNALS (3.5mm jacks):  
0-5V Logic I/O

MAX CURRENT:  
+12V: 90mA  
-12V: 20mA  
+5V: n/a



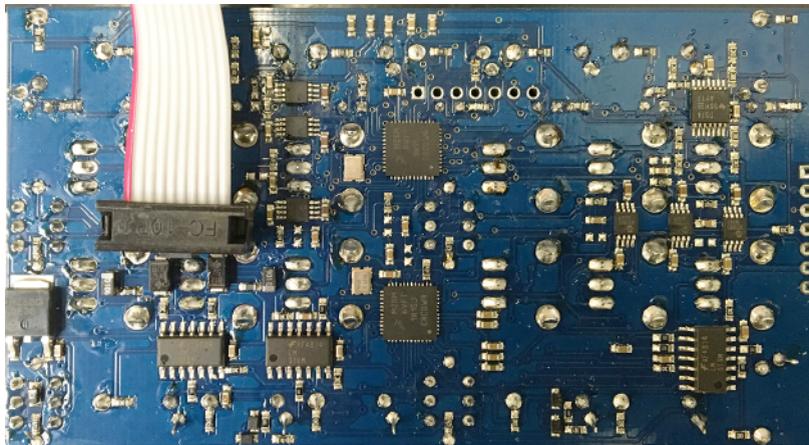
## INSTALLATION

Remove module from packaging.

Power down your modular synthesizer and disconnect the power cable from the wall outlet.

Attach the included power cable to the module's power connector and connect the other end to the power distribution bus in your EuroRack synthesizer case. If you have a bi-colored ribbon cable the red stripe should be on a same side with a bold white line on a pcb. In case if you have a rainbow-colored ribbon cable the key is brown. Connector also has a key which should match sickscreen on a pcb.

Position the module on the mounting rails in your EuroRack case and screw down mounting screws. Power up! If your case does not turn on properly then you have installed the module incorrectly. Simply power down and make sure to follow the diagram when reconnecting the module.





## DESCRIPTION

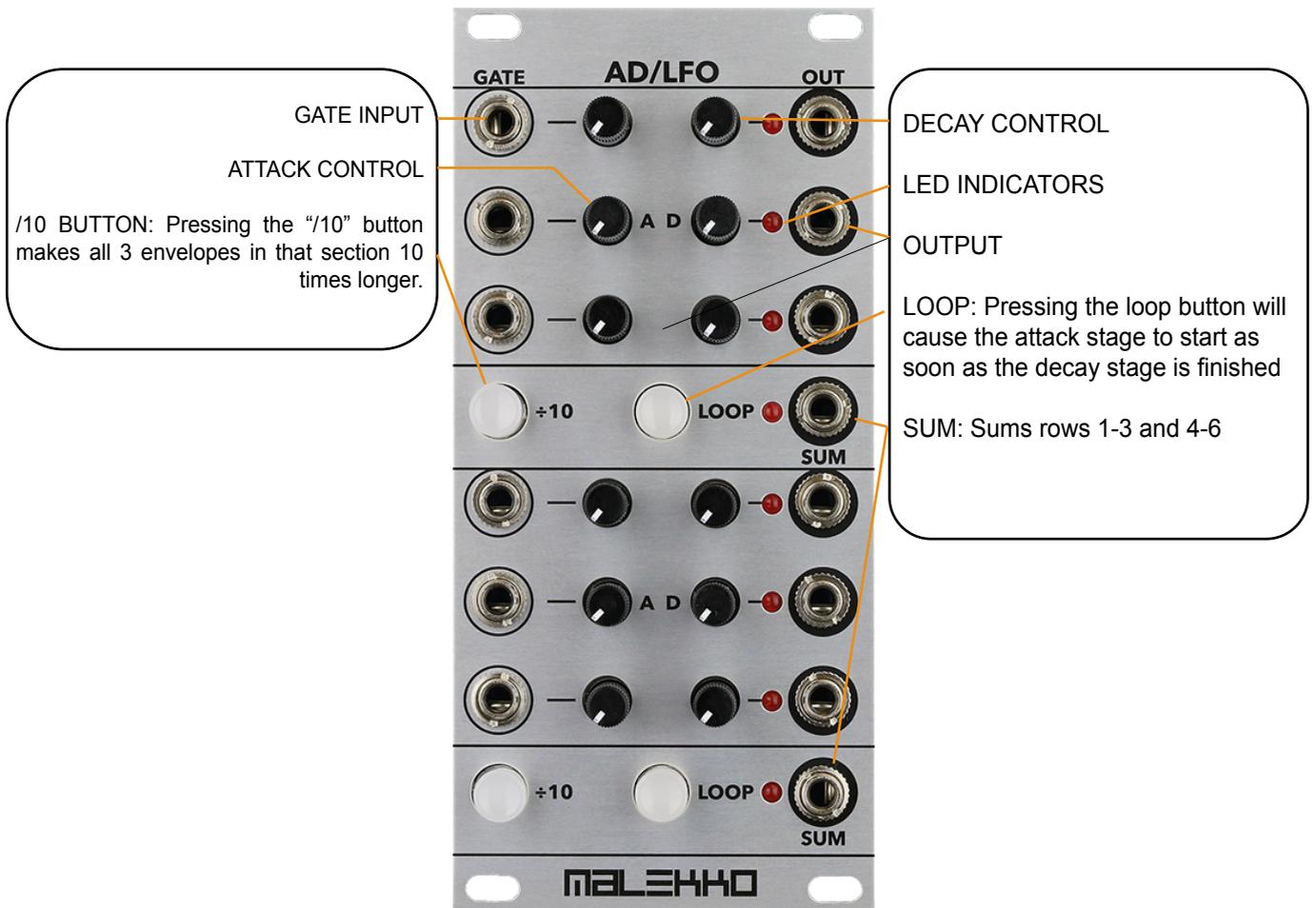
The AD/LFO is a digital powerhouse of envelopes and low frequency oscillators, totaling 6 independent function generators plus 2 SUM outputs. Each bank of three can be 10 times longer with a touch of the /10 button. This module was designed with live performance in mind!

### FEATURES:

- 6 total generators with independent outputs
- Control over Attack/Decay on each row
- Attack/Decay LOOP on/off button
- SUM outs for 2 banks of 3 generators
- /10 button makes all 3 generators in a bank 10 times longer



# INPUTS AND OUTPUTS





## WARRANTY

This product is covered by the Malekko Heavy Industry warranty, for one year following the date of purchase. This warranty covers any defect in the manufacturing of this product. This warranty does not cover any damage or malfunction caused by incorrect use – such as, but not limited to, power cables connected backwards, excessive voltage levels, or exposure to extreme temperature or moisture levels. The warranty covers replacement or repair, as decided by Malekko Heavy Industry. Please visit our website **[malekkoheavyindustry.com](http://malekkoheavyindustry.com)** to obtain full warranty information and to register your product for coverage.