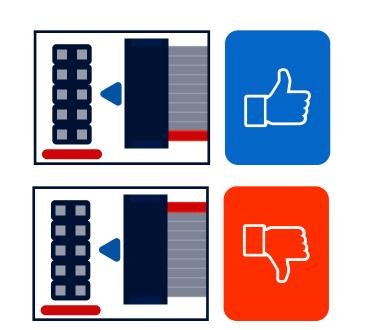


INSTALLATION OF POWER OF SAFETY

Disconnect you rack power from the main.

Align the red line from the power ribbon cable with the line draw next to the power connector on the module side.



Check again the polarity of the ribbon cable.

Check the polarity one last time.

Put MODE switch on LFO.
See overview page to locate
MODE switch on the faceplate.

Put SPEED switch on HIGH
See overview page to locate
SPEED switch on the faceplate.

Connect you rack power from the main.

Power you rack.

If the LED below *GATE* input light up you can pass on next step, else please contact us.

You can screw you module on your rack.

DISCLAIMER

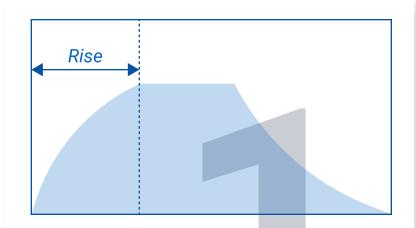
All our modules are secured against reversed power connection, however plugging you module backward may damage you power supply or other modules installed in your rack.

Backward connection are not covered by our warranty.



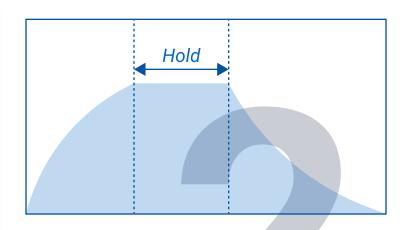
OVERVIEW FRONT PLATE EG MODE E G L F O





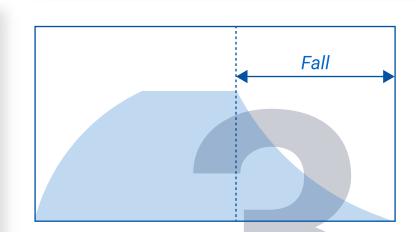
RISE TIME

Control the time to envelope to rise. Rise time *LOW/HIGH*: 0-130ms/0-1.3ms



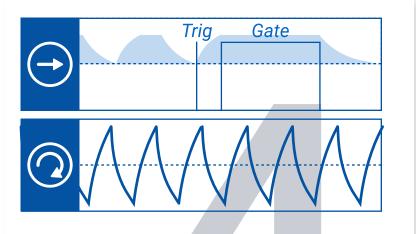
HOLD TIME

Control the duration the envelope stay high. Hold Time (trig) *LOW/HIGH*: 0-75ms/0-750µs



FALL TIME

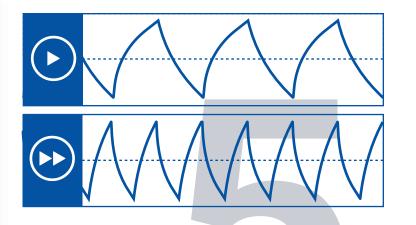
Control the time to envelope to fall. Fall time *LOW/HIGH*: 0-645ms/0-6.45ms



EG/LFO MODE

Envelope mode

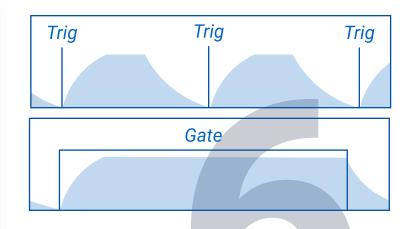
□ LFO mode



SPEED RANGE

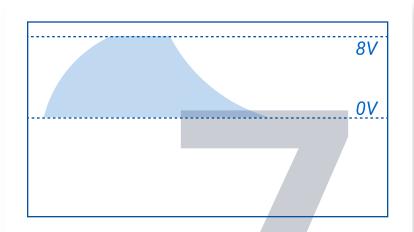
▶ LOW speed : 3Hz - 161Hz

HIGH speed: 333Hz - 27kHz



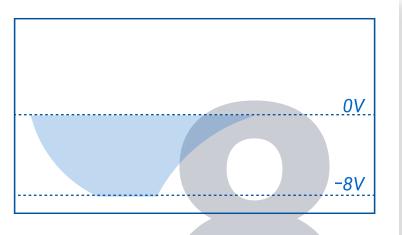
GATE INPUT

TRIGGER: Trigger will start the envelope.
GATE: Gate will start the envelope and keep it high as long as the gate length.
GATE INPUT LEVEL: 1.5V/10V



ENVELOPE OUTPUT

Output the envelope Envelope amplitude 0V/8V



INVERTED OUTPUT

Output the envelope inverted envelope amplitude 0V/-8V

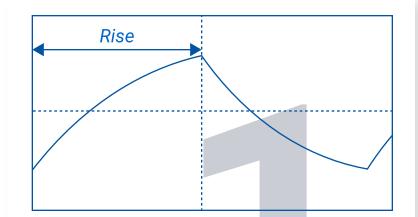


MODULE DEPTH: 20mm
POWER CONSUMPTION:

+12V: 14mA -12V: 12mA +5V: 0mA

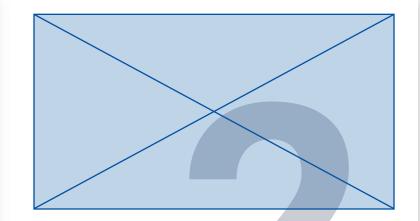
OVERVIEW FRONT PLATE LFO MODE E G L F O





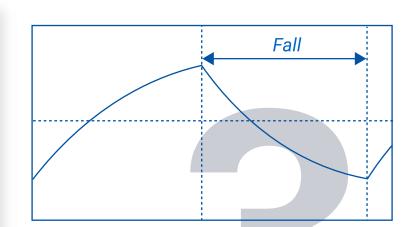
RISE TIME

Control the time to LFO to rise. Rise time *LOW/HIGH*: 2.14-178ms/12µs-0.70ms



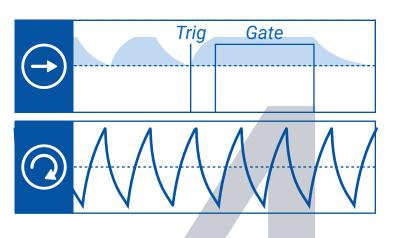
HOLD TIME

HOLD control have no effect in LFO mode.



FALL TIME

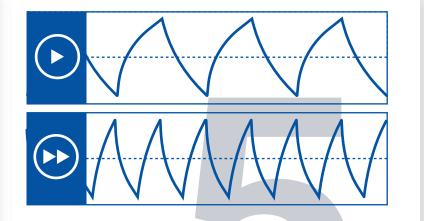
Control the time to LFO to fall. Fall time *LOW/HIGH*: 6.25-164ms/46µs-1.7ms



EG/LFO MODE

Envelope mode

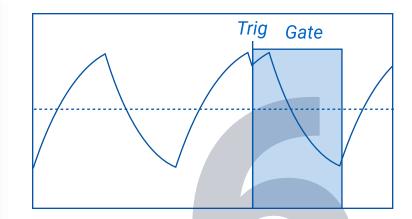
② LFO mode



SPEED RANGE

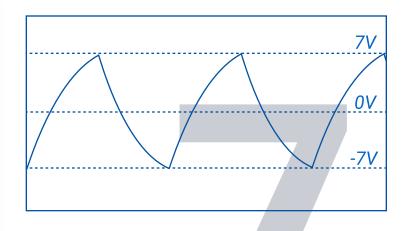
▶ LOW speed : 3Hz - 161Hz

HIGH speed: 333Hz - 27kHz



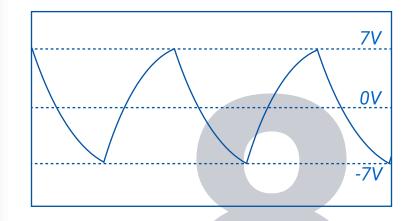
GATE INPUT

Triggers and gates will reset the LFO. GATE INPUT LEVEL: 1.5V/10V



LFO OUTPUT

Output the LFO LFO amplitude -7V/+7V



INVERTED OUTPUT

Output the LFO inverted LFO amplitude -7V/+7V



PANEL WIDTH: 6HP
MODULE DEPTH: 20mm

POWER CONSUMPTION:

+12V:14mA -12V:12mA

+5V:0mA

OVERVIEW BACKPLATE SPEED EXPANDER

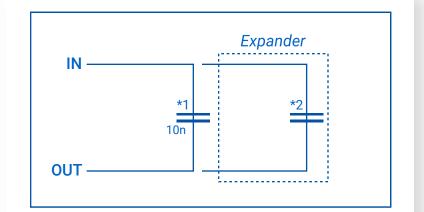
OVERVIEW

EG-LFO feature a speed expander allowing to change the time range of the EG and LFO.

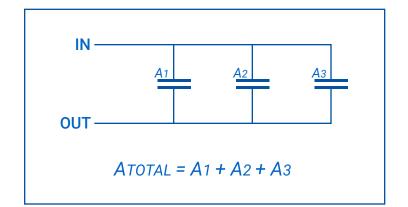
The speed of Rise and Fall is achieved by a bipolar capacitor.

By default EG-LFO feature two speed range:

LOW (1µF capacitor) : 3Hz-161Hz HIGH (10nF capacitor) : 333Hz-27kHz



The speed expander is connected in parallel of the HIGH speed capacitor₁. By Adding a capacitor in the speed expander₂ will be able to modify the speed range of the HIGH Speed mode.



When placed in parallel capacitors value are added. If we add for example a 100n capacitor in the speed expander the total value will be (10n default HIGH speed capacitor + 100n = 110n). the speed range for a 110n capacitor will be near: 35Hz-4Khz

THE BIGGER THE CAPACITOR WILL BE THE SLOWER THE SPEED RANGE WILL BE.

BE SURE TO USE BIPOLAR CAPACITOR OR THE MODULE WON'T WORK.
YOU CAN USE ANY TYPE (CERAMIC, MIKA, FILM...)
AS LONG AS THEY ARE BIPOLAR.

