SYNC MANUAL V.1



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SPECIFICATIONS

FORMAT:
EURORACK

DIMENSIONS:
4HP, 30mm deep

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

MAX CURRENT:
+12V: 37mA
-12V: 6mA
+5V: n/a

INSTALLATION

Remove module from packaging.

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

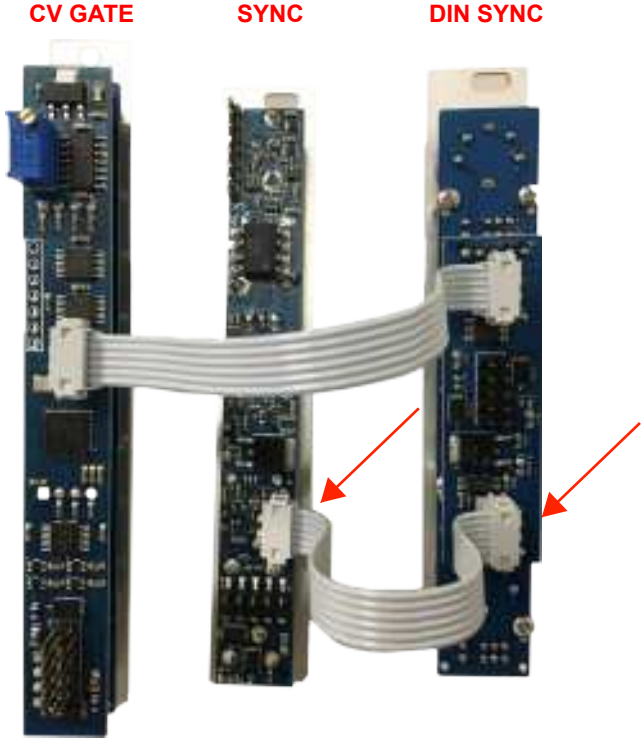
Attach the included power cable to the module's power connector and connect the other end to the power distribution bus in your EuroRack synthesizer case. Match the red stripe of the cable to the solid white line on back of your unit.

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.

POWER:
LINE UP RED STRIPE TO THIS SIDE



6-PIN CONNECTION TO MALEKKO CV/GATE AND DIN SYNC:



DESCRIPTION

Sync your modular to your computer or other hardware MIDI gear via USB or Malekko Pink MIDI/3.5 cable (included). Class compliant on both PC and Mac.

FEATURS INCLUDE:

USB connection (class compliant)
Reset output
Fixed 1/16 note clock output
Variable clock output
MIDI in (over 3.5mm)
MIDI out/thru (over 3.5mm)

OVERVIEW

SYNC directly with your MAC, PC or hardware gear via USB. If you are syncing directly to hardware you will need a Type B to B cable.

RESET output

Variable clock divider for Variable Clock output

VARIABLE CLOCK OUT with LED indicator

FIXED CLOCK OUT (16th note) with LED indicator

MIDI input over 3.5mm included cable.

MIDI out/thru over 3.5mm included cable.



SYNC TO MAC



1. Make sure your case is powered up and that SYNC is connected to your computer via USB. It is recommended to connect directly without using a usb hub.
2. Launch "Audio MIDI Setup" from your Apps > Utilities.
3. Go to "Window" > "Show MIDI Studio"
4. "Rescan MIDI" and you will see "Malekko MIDI" is now showing up.
5. Launch your DAW and select "Malekko Midi" as your MIDI clock out (make sure your DAW is set to transmit MIDI clock).

When you hit play on your DAW, MIDI clock is then send to SYNC. SYNC then distributes clock to both clock outputs.



SYNC TO WINDOWS



1. Make sure your case is powered up and that SYNC is connected to your computer via USB. It is recommended to connect directly without using a usb hub.
2.Once connected you should hear a chime indicating that SYNC has loaded the class compliant MIDI driver (you would need to have your computer volume turned up to hear the chime).
3. Launch your DAW and select "Malekko Midi" as your MIDI clock out (make sure your DAW is set to transmit MIDI clock).

SYNC TO OTHER DEVICES







Connect directly to the output of an external device that sends clock over USB.





Connect directly to the output of an external device that sends clock over MIDI.

SYNC EXPANDERS

When plugged into the same busboard as SYNC module, the CV/GATE expander adds
4 sets of CV/Gate connections
3 way mode switch
Modes : Mono (MIDI channels 1-4 sent separately out cv/gate jacks 1-4), Poly (4 notes sent over channel 1 to the 4 cv/gate jacks), Drum Trigger (notes C1-G1 send gates out of the 8 jacks).



When the DIN SYNC module, when attached to the same busboard as the SYNC module, adds 4 clocked DIN SYNC outputs for gear such as the Roland TB303, TB808 etc. Each output can be divided up to 4 x.



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** to obtain full warranty information and to register your product for coverage.