oplab

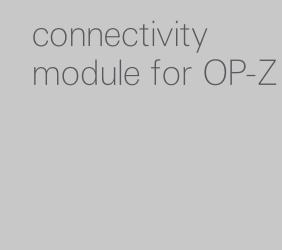
module

store

view cart

checkout

v.1.0





(esd).

notice. read this first.

this device may not cause harmful interference, and (2)—this does not include malfunction due to misuse of the

FCC ID: Z23012AIC: 9915A-012A

could damage a line input or line output stage.

never connect the 3.5mm plugs coming from module

connectors to any mic or line-level audio equipment

such as inputs or outputs on sound cards, mixers and

phantom power coming from a mic-input on a sound

cards could destroy the ports on the oplab module.

• the voltage coming from oplab moudule's cv or gate

synthesizers, for example:

what's in the box

cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

this device complies with part 15 of the fcc rules.

operation is subject to the following two conditions: (1)

this device must accept any interference received,

operation.this device complies with industry canada

the following two conditions: (1) this device may not

licence-exempt rss standard(s). operation is subject to

including interference that may cause undesired

warranty: the oplab module is fully factory tested and

comes with a 12 month (from purchase date) warranty.

device, such as being dropped, crushed or use in an

application of inappropriate voltages to the device's

children and infants. if accidentally swallowed, contact

sensitive components and be aware of static discharge

connectors or improperly designed or executed

modifications.store small parts out of the reach of

a doctor immediately. make sure to avoid touching

check that the following items are included when you open the box

the general guarantee policy does not cover esd

damaged products due to improper handling, the

to read the terms & conditions on our website.

warranty does not cover shipping charges. make sure



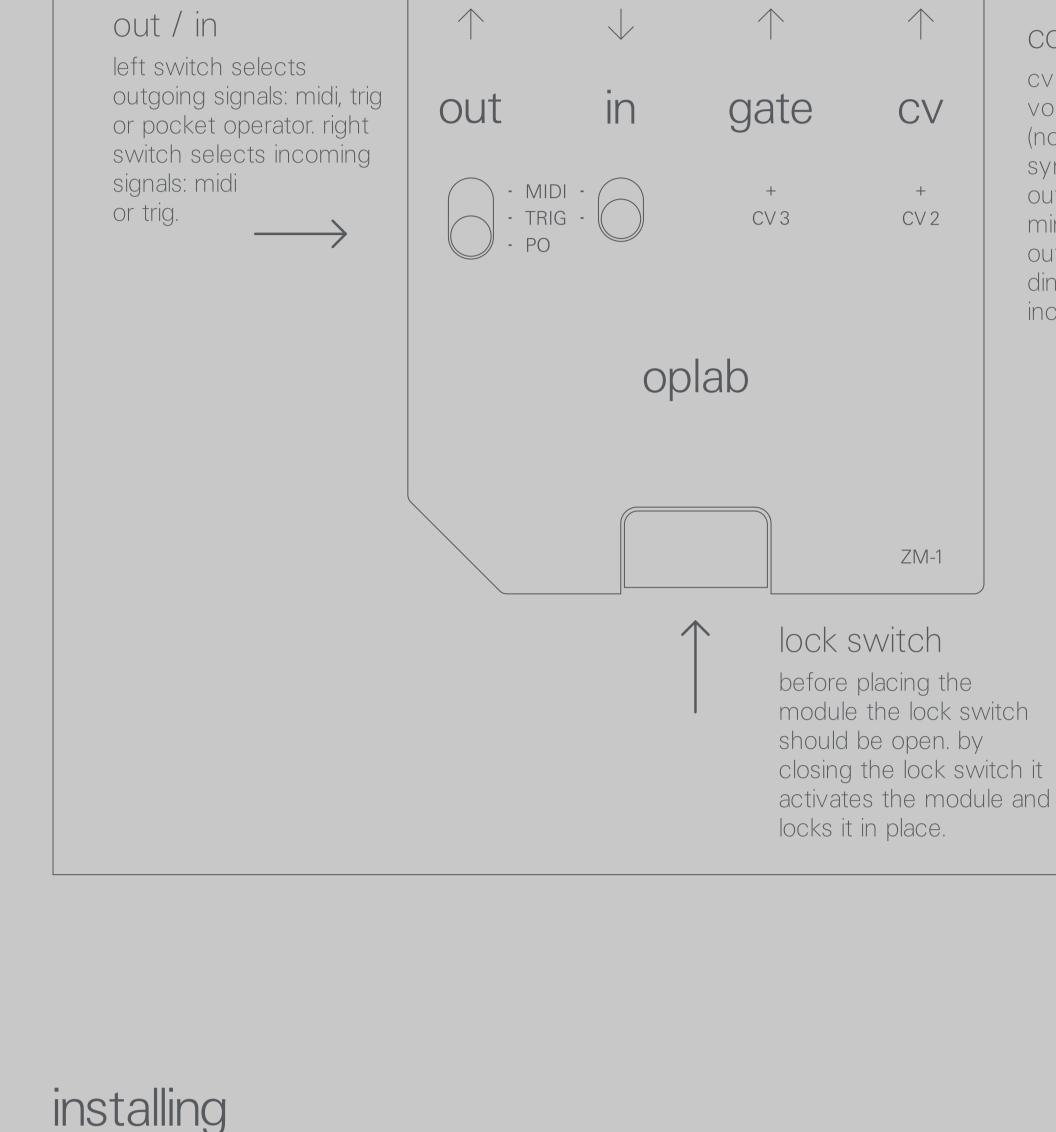


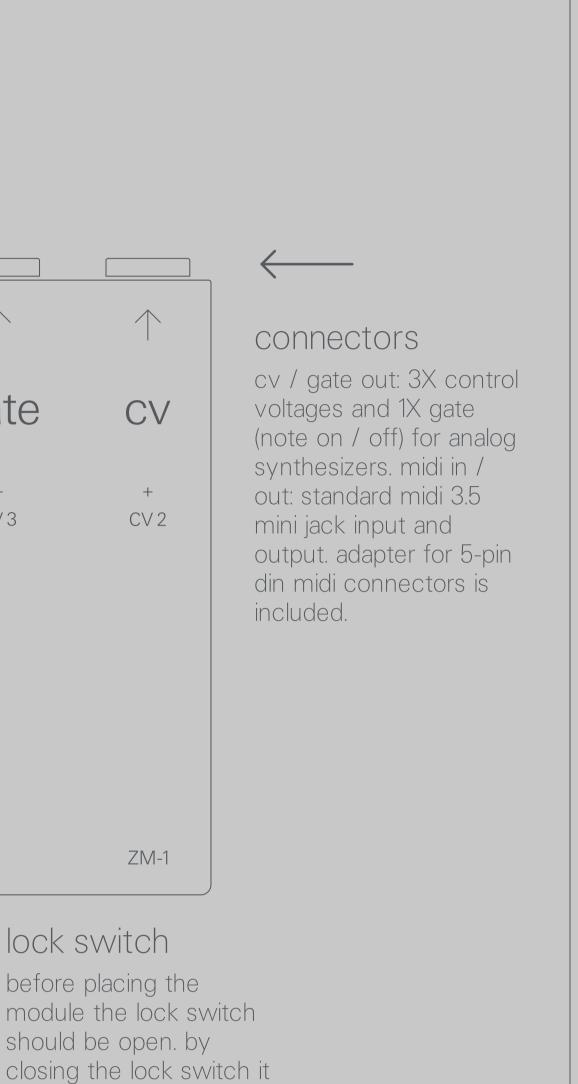


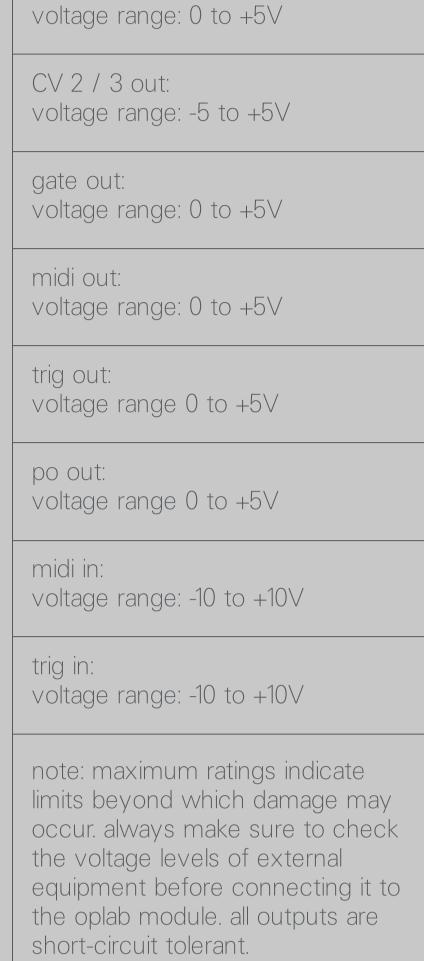
CV out:

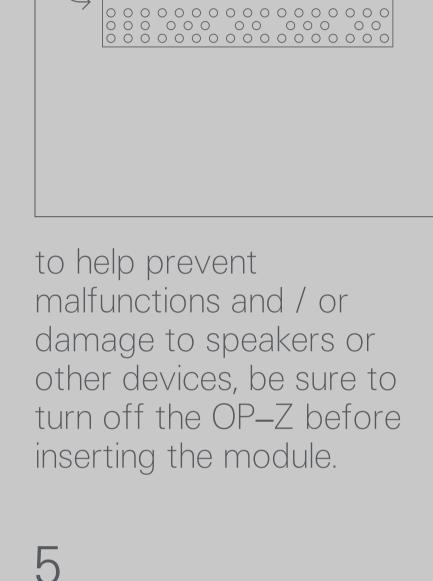
modes for

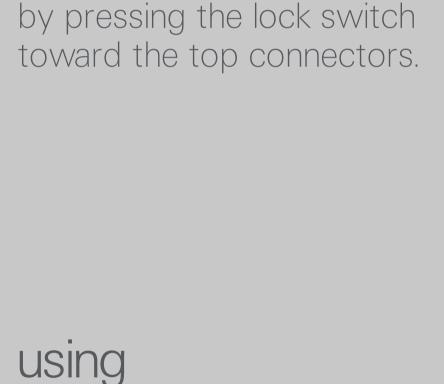
interface



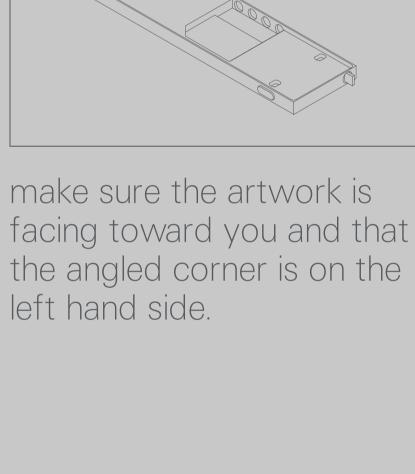








make sure the module is off



rotate each of the four

90 degrees counter

clockwise.

yellow rubber bumpons on

the back side of the OP-Z



as you press the keys, note the blinking leds on the back

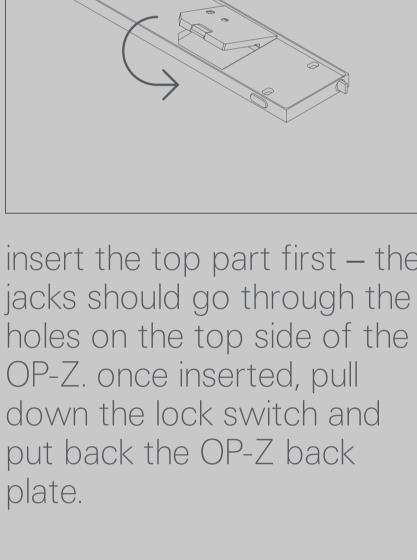
side by the module outputs. each key press sends control

voltage and gate signals straight out the back of you your

OP-Z, ready to be used in any modular system, such as

the pocket operator modular or a eurorack system.

- sleeve

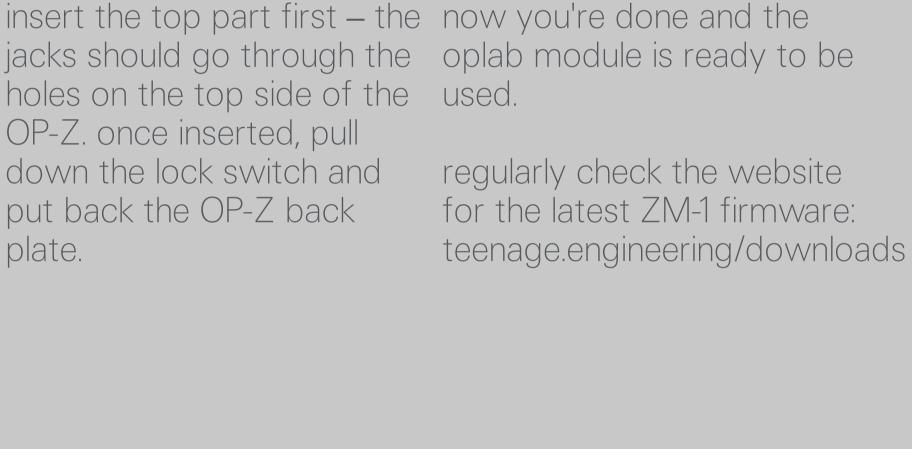


remove the backplate of

OP-Z using the tool found

inside your OP-Z, or a lego

shaft. be firm but careful.



remove the dummy module.

break the lego legs and use

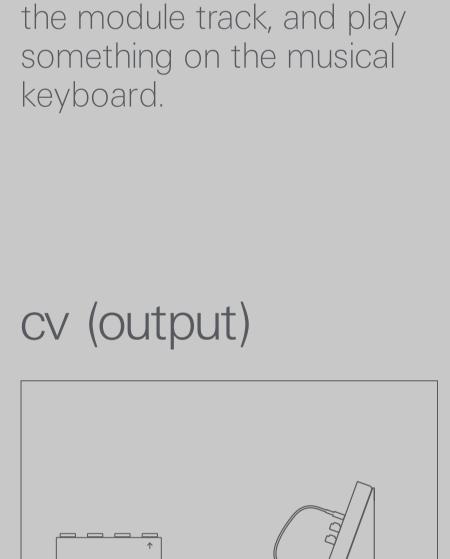
the next time you open your

them as a screwdriver for

OP-Z.

done

(I) + (I) + , (I)



to send cv and gate out of

your oplab module, select

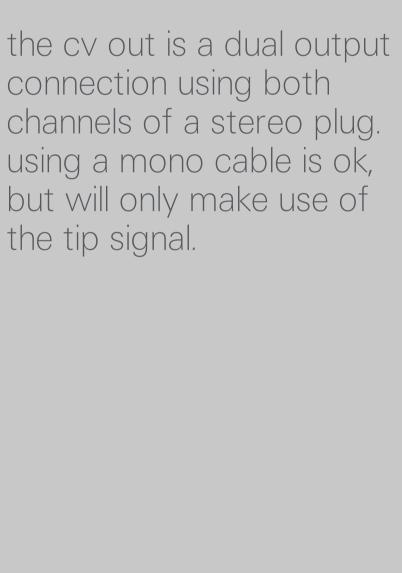
connect a cable from cv out the cv out is a dual output to for example the 'control'

or 'key' inputs of the po

modular 400.

gate (output)

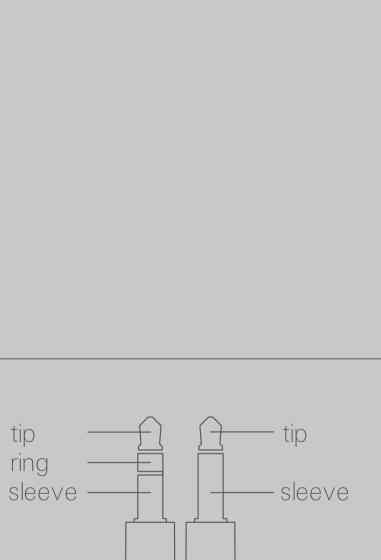
9 9



tip

ring

sleeve -



this is a dual output using

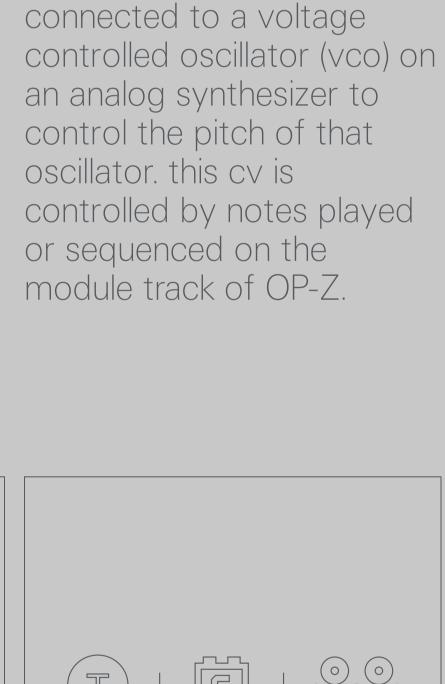
of a stereo plug. using a

mono cable is ok, but will

only make use of the tip

signal.

both channels (tip and ring)



tip (left / white).

gate (0 or +5V) note on /

synthesizers. this output is

controlled by notes played

module track of OP-Z. the

output is high (+5V) when a

note is played, and low (0V)

when no note is played.

off output for analog

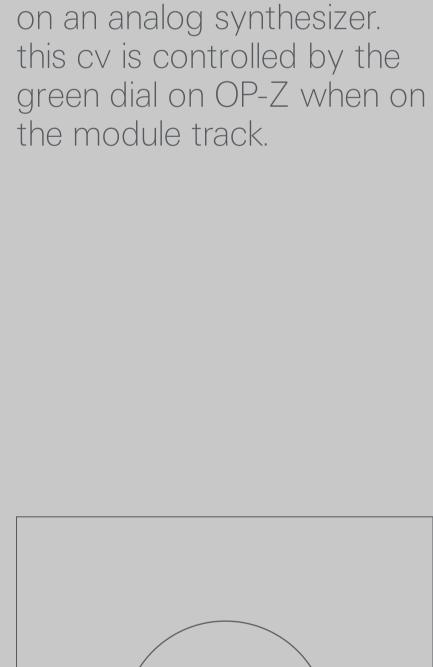
or sequenced on the

tip (left / white).

note cv (0 to +5V) control

voltage for notes. this

output will typically be



ring (red / right).

on OP-Z.

cv 3 (-5 to +5V) is same as

cv 2, but using the blue dial

ring (red / right).

cv 2 (-5 to +5V) auxiliary

control voltage for anything

connect a cable from gate

sequencer 'clock' input or

the envelope 'trig' input of

out to for example the

the po modular 400.



midi input for controlling

OP-Z. the input uses the

standard midi 3.5 mm

connector pinout (tip =

cable must be used.

source, ring = sink). a stereo

note that it is not compatible with some equipment which uses nonstandard reverse pinout. an adapter cable for 5-pin din midi cables is included. refer to the OP-Z manual for details on midi control.

TRIG TRIG

trigger input for OP-Z

tracks in the OP-Z

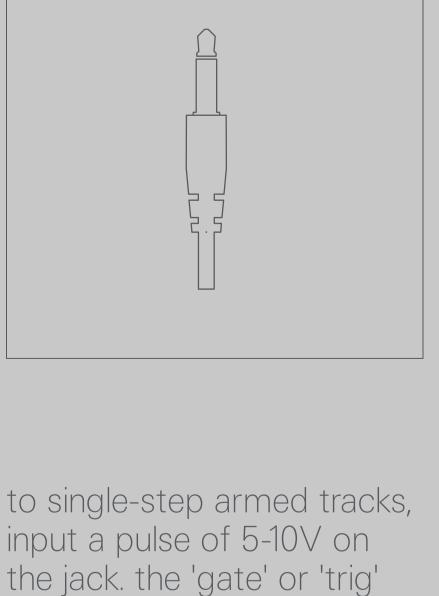
sequencer (0 to 10V). this

input is used to single-step

sequencer, to arm a track

for single stepping, set the

track length multiplier to 0.



output from many synths or

fine. the input uses only the

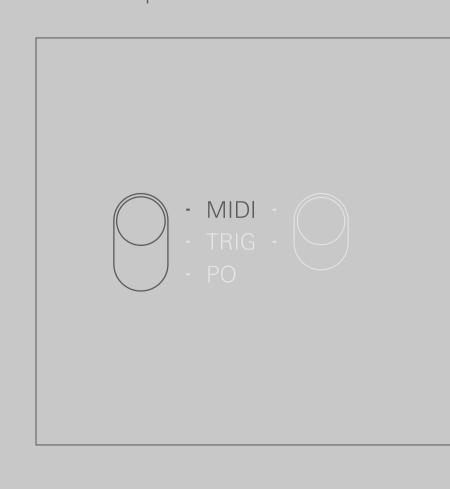
drum machines will work

tip of the connector, so a

mono cable will work here.

out

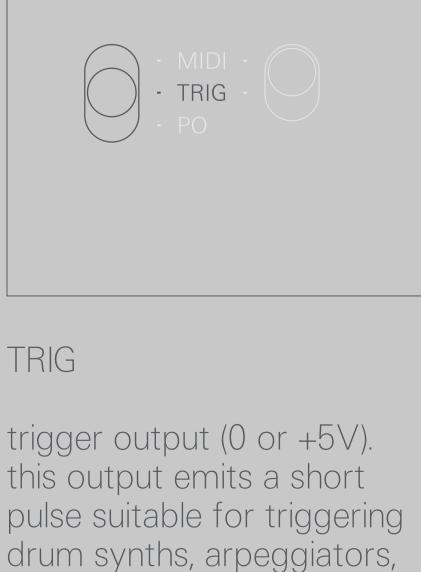
MIDI

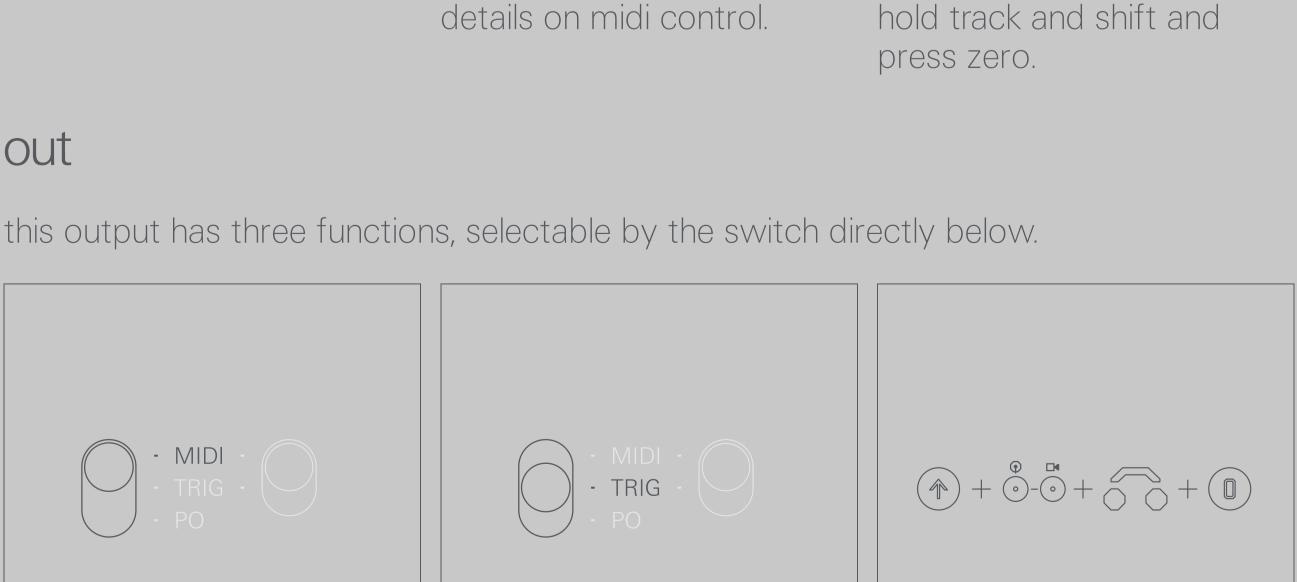


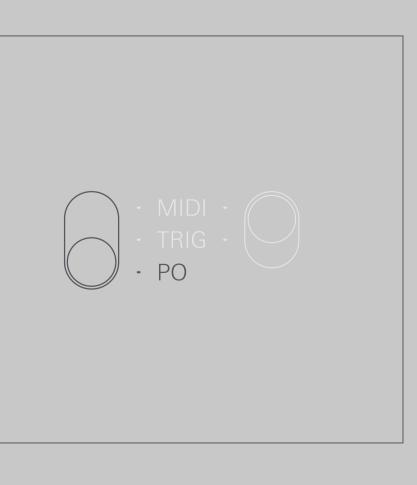
midi output from OP-Z is

same as for midi in, but out.









it will output midi data from all tracks of OP-Z. please refer to OP-Z manual for

MIDI

details on midi implementation. connector overview jack

gate inputs, etc. it uses the tip of the connector, so a mono cable is fine.

press value key 0 • release shift press play and verify

to make any a step output a trig pulse: select any audio track press and hold shift • select step(s) 1-16 press jump

led activity

 connect oplab out with PO input (left side)

PO

set PO to SY2 or SY3 press play on PO

> midi trig

> > ©2019 teenage engineering

press play on OP-Z the CV interface sends on MIDI channel 1 and listens to channel 1 and 15.

for pocket operators and

the switch to PO on the

oplab module.

to an OP-Z:

compatible equipment, set

to sync a pocket operator

gate