EURORACK PRESET MANAGER / MACRO CONTROLLER

• 6 HP width, 3x CV preset manager/multistage and macro controller for Eurorack

- 3 channel control voltage generator/attenuator/attenuverter
- 8 preset CV manager with two banks: bipolar -5...+5V and unipolar 0...+5V

BABY, YOU MAKE ME WISH I HAD THREE HANDS!

- Instant, slewed or continuous change between stored CV values
- 3-channel macro CV generator with smooth min./max. control via CV, trigger or manually
- CV acquisition: 16 bits SDADC, CV outputs: 12 bits
- Depth: 30 mm (with plugged ribbon cable)

Preset LEDs,

Power requirements: +12V: 55mA, -12V: 15mA

Video manual: https://youtu.be/NIUps_QvSGw

-12V / red stripe polarity marking bottom/rear side of the module EUROCRACK CONNECTOR ← connect with the 16-pin side into the power buss board 0000000

selected preset (modes 1 and 2) connect to the module or selecting the channel to adjust its min./max. levels (modes 3 and 4)

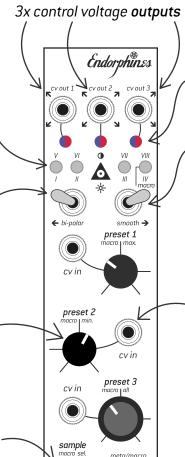
Bi-polar (switch to the left/-5...+5V output) and *Uni-polar* (switch right/0...+5V output) voltage setting. The voltages are stored separately in each setting.

depending on the MODE they show either

Manual CV knobs define the voltage value in the selected state. Act as attenuator in uni-polar setting or attenuverter in bi-polar setting, if external CV is applied to the corresponding CV IN jack. In macro modes 3 and 4, knobs 2 and 1 define min. and max. states for the macro morphing knob 3 acting as macro, morphing from min. (CCW) to max. (CW).

> *Multimode SAMPLE button:* Depending on the mode it either toggles the next preset (modes 1 and 2) or selects the channel (1-3) to set min./max. voltage (modes 3 and 4)

> > MODES EXPLAINED:



RECALL

Τοτλι

LED indicators showing each output voltage:

-5V = red

OV = dimmed

+5V = blue

SMOOTH switch to the right enables fixed 100ms slew when switching between stored CV values (states) instead of instantly jumping from one value to another.

In macro mode this enables smooth or instant morph between min./max. states.

CV inputs for channels 1-3. If no patch cable is applied, that channel has fixed CV per preset. If cable with CV is inserted, then the knob defines incoming signal attenuation (uni-polar setting) or attenuvertion (bi-polar setting)

Multimode **meta CV/trigger input**: Depending on the MODE it either works as meta CV input (modes 1 and 3) to morph between the voltage states or as meta TRIGGER (a.k.a. STROBE) input (modes 2 and 4) to switch to the next state with trigger input.

Download latest firmware for TOTAL RECALL here: https://www.endorphin.es

FIRMWARE UPDATE:

POWER CONNECTION

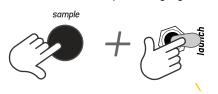
red/brown pair or wires correspond

to negative -12V power connector

Power OFF you modular system:

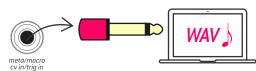


Hold SAMPLE while powering again:



You will see the preset I LED slowly blink:

Connect the headphone output of your computer to the META CV IN input of the module with a simple mono or stereo cable.



Press PLAY and wait 1+ minutes. All 4 preset LEDs will quickly blink and CV LEDs will be blue. The modue will reboot automatically.

Don't play any other sounds on your computer during update process. When all LEDs flash RED, the signal is too low or too high. Just reset the firmware update process by pressing SAMPLE once and regulate the signal level with RATE knob (full CCW: 1x amplification, full CW: 10x amplification)

Video update quide: https://youtu.be/WKt7FdRGRYI

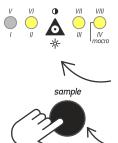
short press engages

to the next preset

4. Macro CV generator with meta TRIGGER (strobe) LED 4 is constantly fully lit indicating macro CV mode. With short MODE press we select CV channel 1-3 to define its min/max Applying CV into META CV will morph between min. and max. states

3 sec.+ press to enter mode 3 from modes 1/2

2. Preset manager with meta TRIGGER (strobe)



LEDs indication is similar as in mode 1, but inverted. Applying trigger into META will switch to the next preset. Depending on SMOOTH switch the change will be either instant or slewed by 100ms

1 sec. press to enter mode 2 from mode 1 or 3 sec.+ press to enter modes 3/4

3. Macro CV generator with meta CV min.-max. morph

1. Preset manager with meta CV scan over the presets

One LED lights up at a time,

showing currently selected

semi lit for presets V-VIII).

preset (LED is fully on for presets I-IV,

Applying CV (0...5V) into META CV will

on SMOOTH switch the morphing will

scan thru the presets. Depending

either be instant or continuous.

values with the knobs 2 and 1 respectively.

ENDORPHIN.ES® - TOTAL RECALL

enter mode 4 from mode 3 or back

LEDs indication is similar as in mode 3, but LED 4 is now semi-lit. Applying a single trigger to META CV will jump from min. to max. sample like flip-flop function. Depending on SMOOTH switch the change will either be instant or slewed by 100ms.

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> > VAT ID: ES B66836487

Module design by Andreas Zhukovsky Collection Spring / Summer 2022 Endorphin.es are made in Barcelona, Spain Follow, like, post and tag us at instagram: @endorphin.es

WARRANTY

RTFM – be so kind and read the manual. It will provide you with the information you need to fully indulge the module you justpurchased – for which we like to thank you. Enjoy your sound experiences, dear sonic traveller. Beginning from the product's purchase date a 1-year warranty is quaranteed for each product in case of any manufacturing errors or other functional deficiencies during runtime.

The warranty does not apply in case of: • damage caused by misuse • mechanical damage arising from careless treatment (dropping, vigorous shaking, mishandling, etc.) • damage caused by liquids or powders penetrating the device • heat damage caused by overexposure to sunlight or heating • electric damage caused by improper connecting The warranty covers replacement or repair, as decided by us. Please contact us via email for a return authorization before sending anything. Shipping costs of sending a module back for servicing is paid by the customer. Device complies with all EU regulations concerning RoHS lead-free manufacturing and WEEE disposal