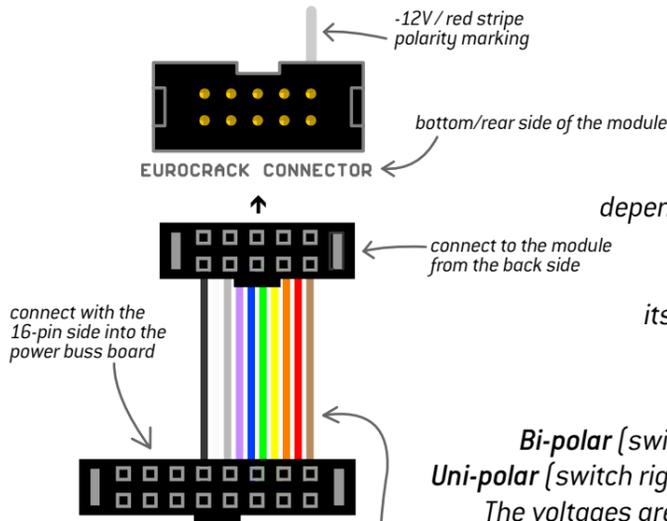




# BABY, YOU MAKE ME WISH I HAD THREE HANDS!

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

Video manual: [https://youtu.be/NIUps\\_QvSGw](https://youtu.be/NIUps_QvSGw)



## POWER CONNECTION

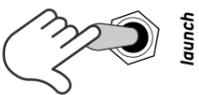
red/brown pair or wires correspond to negative -12V power connector

## FIRMWARE UPDATE:

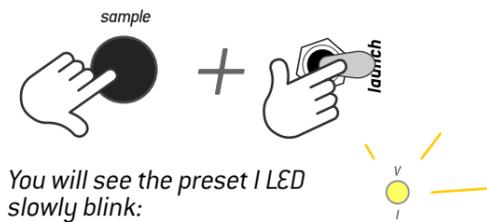
Download latest firmware for TOTAL RECALL here:

<https://www.endorphin.es>

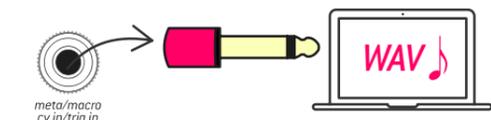
Power OFF your modular system:



Hold SAMPLE while powering again:



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 module 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 guide: <https://youtu.be/WKt7FdRGRYI>

Preset LEDs, depending on the MODE they show either selected preset (modes 1 and 2) or selecting the channel to adjust its min./max. levels (modes 3 and 4)

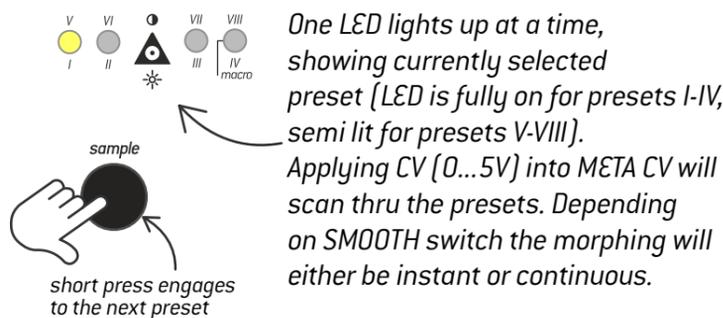
Bi-polar (switch to the left/-5...+5V output) and Uni-polar (switch right/0...+5V output) voltage setting. The voltages are stored separately in each setting.

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).

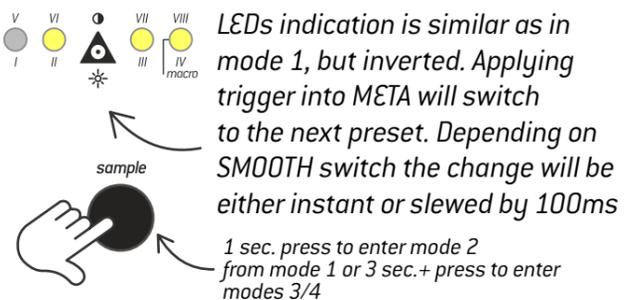
Multimode SAMPLE button: Depending on the mode it either toggles the next preset (modes 1 and 2) or selects the channel (1-3) to set min./max. voltage (modes 3 and 4)

## MODES EXPLAINED:

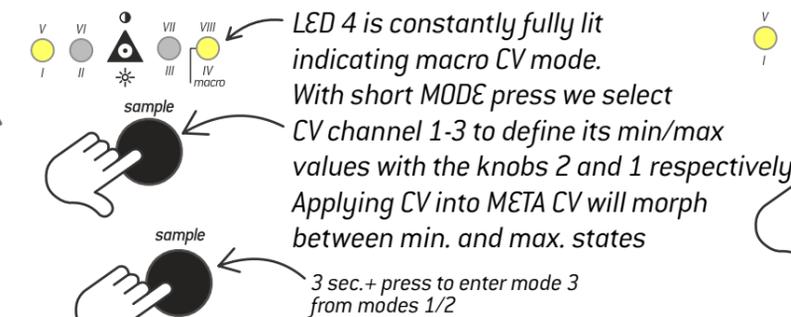
### 1. Preset manager with meta CV scan over the presets



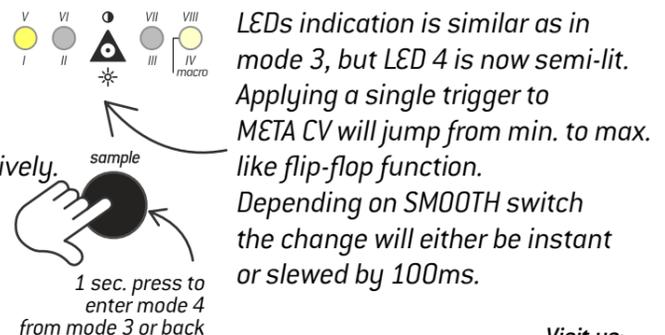
### 2. Preset manager with meta TRIGGER (strobe)



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



### 4. Macro CV generator with meta TRIGGER (strobe)



## ENDORPHIN.ES® – TOTAL RECALL

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](https://www.instagram.com/endorphin.es)

Visit us:  
<https://endorphin.es>  
<https://youtube.com/user/TheEndorphines>  
<https://facebook.com/TheEndorphines>  
<https://www.instagram.com/endorphin.es>  
[https://twitter.com/endorphin\\_es](https://twitter.com/endorphin_es)  
For technical requests: [support@endorphin.es](mailto:support@endorphin.es)  
For general requests: [info@endorphin.es](mailto:info@endorphin.es)  
FURTH BARCELONA, S.L.  
VAT ID: ES B66836487

## WARRANTY

RTFM – be so kind and read the manual. It will provide you with the information you need to fully indulge the module you just purchased – 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 guaranteed 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