



IT IS BETTER TOGETHER

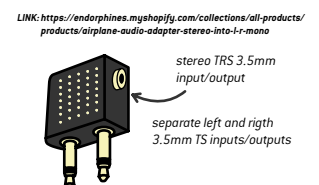
- 6 HP width, 2 voice intuitive sample player with 8 banks
- Zero-latency sample playback—directly from microSD card
- Factory soundbank by Julia Bondar
- Onboard envelope generator decay control, pitch control with 1V/Oct input and sample selection control with meta cv input
- Arbitrary sample rate: 8 and 16 bit samples with 12 bit output bitrate
- Depth: 30mm (with ribbon cable plugged in)
- Power requirements: +12V: 125mA, -12V: 20mA

Video manual: <https://youtu.be/rdacPSxF4n4>

TWO OF CUPS OVERVIEW

Separate voices outputs, voice 2 is pre-patched to voice 1 out

voice 1/2 jack outputs compatible with the airplane stereo adapter** for further easier routing.
** if using stereo samples, only left channel is played



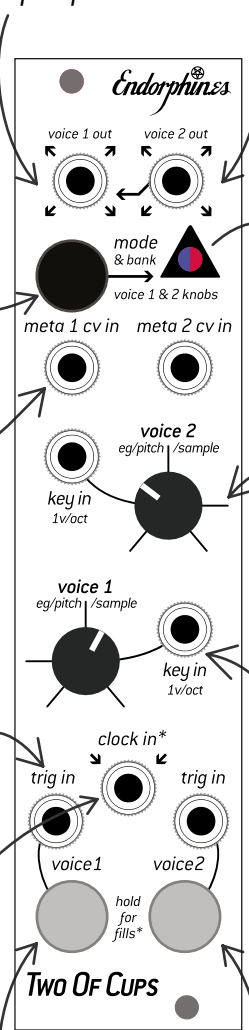
Short press: **MODE** button for changing the mode for voice 1 & 2 knobs: envelope decay (blue), pitch (red), sample selection per voice (fuchsia).
Long press: **BANK** change from 1 to 8: Pressing the button shortly three times saves the knobs positions set for the current bank of all modes and both voices.

META control voltage inputs (range 0...+5V)
If no CV applied or sample selected, then the first sample of each voice's folder is chosen.
Unattenuated META control voltage inputs (range -5...+5V), voltage value added to the manual offset sample selection knob (fuchsia mode).

Individual **trigger/gate** inputs for each of the voices: Typically you patch GATE or TRIGGER pulses from the sequencer here.

If there is no clock present, but a patch cable is inserted into the **CLOCK IN*** jack, manual launch buttons will not work.

Manual launch buttons for voices 1 & 2: In case there is a clock signal applied to the **CLOCK IN*** jack, the buttons trigger rolls following the clock



Short press: **MODES** visualization:

- envelope decay (blue), • pitch (red),
- sample selection per voice (fuchsia).

Long press: **BANK** visualization:

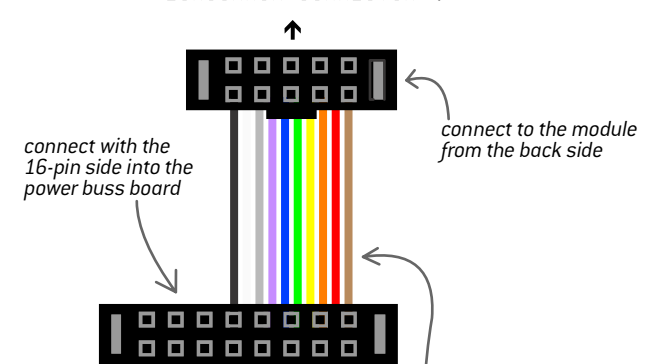
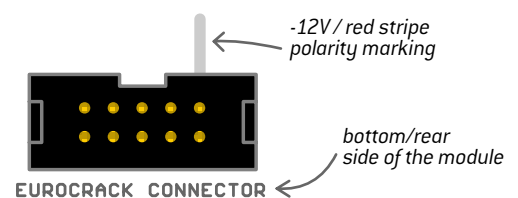
- bank 1, •• bank 2, ••• bank 3, •••• bank 4,
- bank 5, •••••• bank 6, ••••••• bank 7, •••••••• bank 8

Voice 1 & 2 knobs adjust parameters in each mode:

- decay envelope (min. 10 ms/max. 10 sec.)
- If knob is set CW the full sample is played – no decay at all.
- pitch +/- 2 octaves
- sample select per voice: from 1st one in alphabetical order to 24th.

1v/oct CV inputs for each of the voices 1 & 2:

Typically you patch pitch CV output from the sequencer here. 1v/oct inputs range -3...+3V (6 octaves), pitch voltage value added to the manual pitch offset selection knob (red mode). You can adjust the v/oct scale in the settings/pitch_1/2.txt file.



POWER CONNECTION

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

ENDORPHIN.ES® – TWO OF CUPS

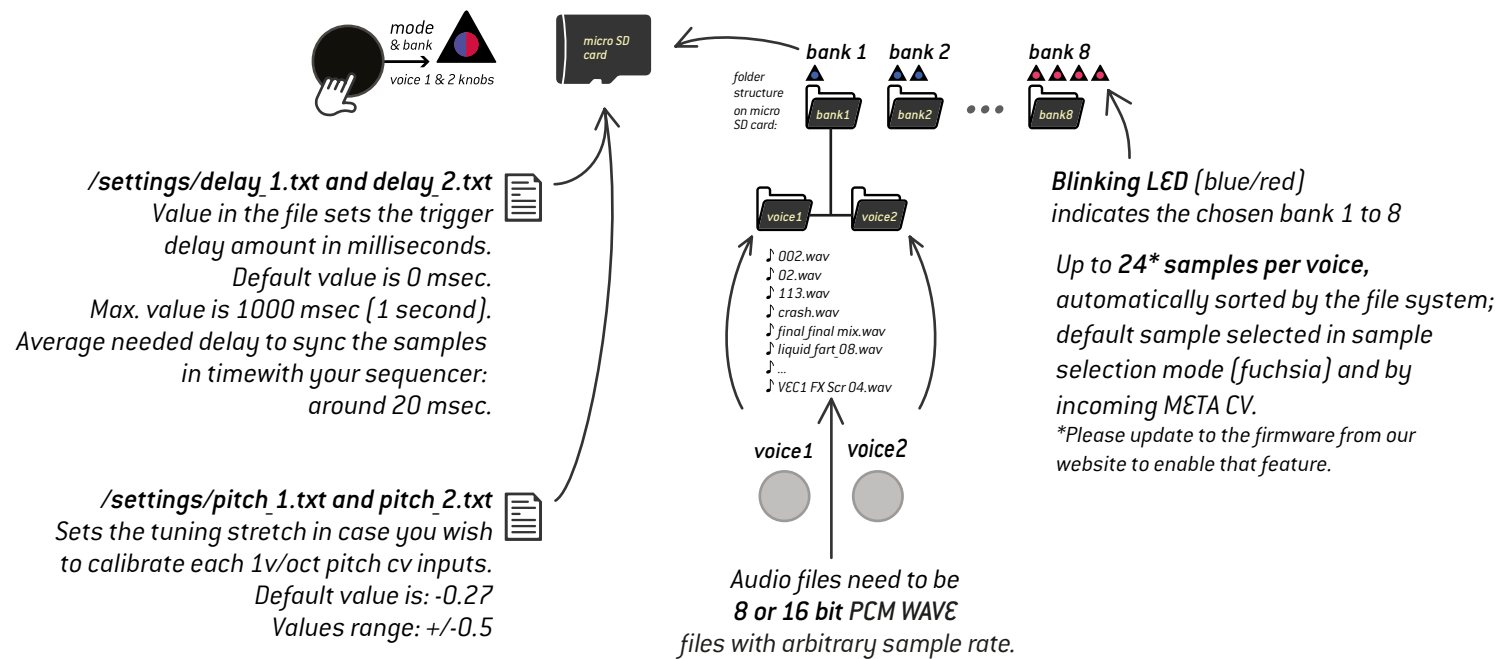
Module design by Andreas Zhukovsky
Collection Spring / Summer 2022
Endorphin.es are made in Barcelona, Spain
Follow, like, post and tag us at instagram: @endorphin.es

WARRANTY

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

SD CARD FOLDER STRUCTURE/VOICES:

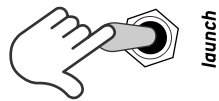
SD card format type: FAT
Module scans only .wav or .WAV files.
Recommended file name length: 20-30 symbols.



FIRMWARE UPDATE:

Download latest firmware for TWO OF CUPS here:
<https://www.endorphin.es>

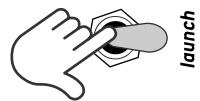
Power OFF your modular system:



Eject the microSD card from the module. Insert it into computer:



Unpack the downloaded archive and place the toc-firmware.hex file into the root folder of the microSD card. Don't rename the file in any other name. Put the card back into the module and turn ON the power of your modular system:



The LED will light up in fuchsia color and you will hear an ascending tone from VOICE 1 OUT.

After approximately 10 seconds the module will reboot with the new firmware installed.

FACTORY SOUNDBANK:

Factory soundbank courtesy of Julia Bondar and used with permission.

bank	voice1	voice2
1 – SUPREME	jb_drop_1.wav	jb_drop_2.wav jb_horn.wav
2 – PSYCHE	jb_bass_growl.wav jb_siren_1.wav	jb_atmo_5.wav jb_brass_5.wav jb_fx_crackles.wav
3 – HOURGLASS	jb_bass_1.wav jb_bass_2.wav	jb_atmo_3.wav jb_atmo_4.wav jb_brass_4.wav jb_fx_impact_1.wav
4 – PRELUDE	jb_bass_sub.wav	jb_piano_1.wav jb_piano_2.wav jb_piano_3.wav
5 – SCANDAL	jb_atmo_2.wav jb_atmo_6.wav	jb_bang_2.wav jb_bang_3.wav jb_fx_impact_2.wav jb_fx_impact_3.wav jb_fx_impact_4.wav
6 – VOGUE	jb_loop_1.wav jb_loop_2.wav jb_loop_3.wav	jb_vox.wav
7 – METEORITE	jb_atmo_1.wav	jb_siren_2.wav jb_snare.wav
8 – HESPERIDES	jb_bang_1.wav	jb_brass_1.wav jb_brass_2.wav jb_brass_3.wav

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