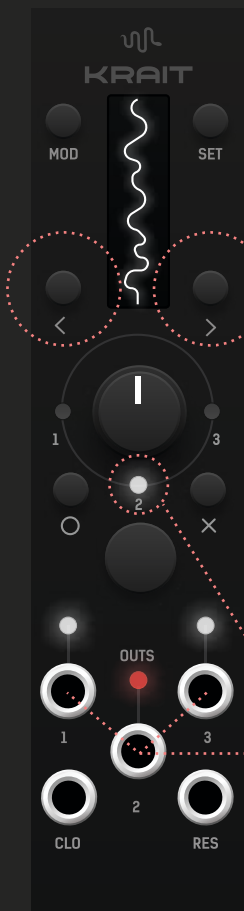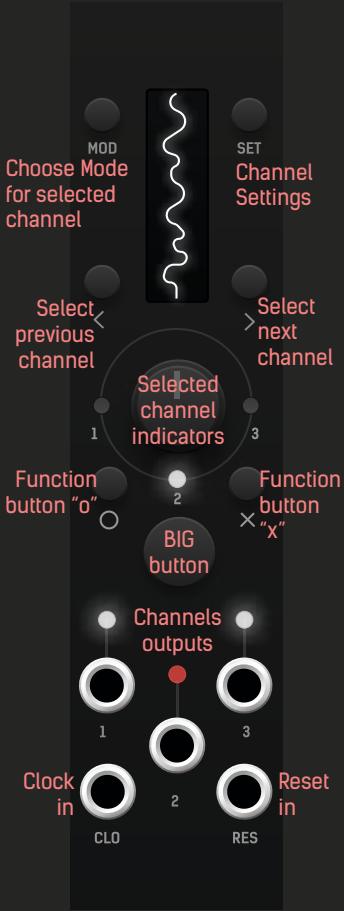# KRAIT

Krait is a versatile 3-channel modulation source for eurorack system. Each individual channel can be either a Knob Recorder, LFO or loopable Random Generator. The module is designed to be in solid sync with your beat, so in order to work, Krait should receive steady external clock pulse. However, LFO will work without clock. All settings and waveforms will be autosaved and reloaded after power off.
The second channel optionally can be a mixer of the 1st and 3d channels.

Knob Recorder:
Can record pot turns continuously or simultaneously with Big button press. Up to 8 bars loops possible.

Lfo:
Tap tempo LFO with morphable waveforms and phase offset.

Random Generator:
Syncable random with portamento and possibility to freeze and loop 16 steps.

MOD — Choose Mode for selected channel
SET — Channel Settings
Select previous channel
Select next channel
Selected channel indicators
Function button "o"
Function button "x"
BIG button
Channels outputs
Clock in
Reset in

FLOW

Select one of three CV tracks by pressing < > buttons. Current selected track is shown with corresponding led.
This buttons also work as fine +- tuner in MOD and SET menus.

Press MOD button and choose desired tool with "< >" buttons or potentiometer.
Second press of MOD button will select output voltage range for current track: use "< >" buttons or knob to set it to Uni or Bi-polar: -5v+5v or 0v +5v.

F.e. track 2 is currently selected here. Function buttons and potentiometer are modal controllers for the selected track.

Each of three tracks has a dedicated output.

KNOB RECORDER

Patch external clock pulse to CLO input to start a loop for knob recorder.
You will see a playhead running.

Press SET and than use < > or knob to select loop length.

Krait has two ways to record a knob:
CONTINIOUS and GATE
Toggle "o" button to activate CONTINIOUS recording. You will see a red light. Rotate potentiometer.
To stop recording, press "o" again
With GATE recording you can record knob in particular place of the loop. Press and hold gate button and rotate potentiometer.

You can undo recording by pressing "x" button once. To clear you recording entirely, double tap "x" button.

MIXER

Mix 1st and 3d channels on channel 2.
Press SET and then use < > or knob to set different mix modes.
Rotate potentiometer to mix between left and right channels.
Press "o" button to mute track 1.
Press Big button to mute all tracks.
Press "x" button to mute track 2.

To change incoming clock resolution, power on Krait while holding BIG button.

Krait Power requirments:
+12v 70mA
-12v 12mA

Module Depth:
42 mm

LFO

Press SET and than use < > or knob to change LFO speed.

Rotate potentiometer to change LFO wave or LFO phase.

Press "o" button to toggle between two targets for ponentiometer:
LFO wave or LFO phase.

Press "x" button to manually reset LFO cycle.

Tap BIG button at least two times to set LFO rate.

Hold BIG button and rotate potentiometer to set LFO rate on main screen.

RANDOM

Press SET and than use < > or knob to change RANDOM speed.

Rotate potentiometer to change RANDOM slew or RANDOM depth.

Press "o" button to toggle between two targets for ponentiometer:
RANDOM slew or RANDOM depth.

Press "x" button to turn on loop. The sequence will start to repeat.

Tap BIG button at least two times to set RANDOM rate.

Hold BIG button and rotate potentiometer to set RANDOM rate on.

KRAIT
manual ver.1.0

DNIPRO MODULAR