REFERENCE CARDS

v2.1.41 (November 6, 2022)

THE CENTRE

©2022 1V/Oct. All rights reserved.

Contents

1 WTO - Wavetable Oscillator 2
2 VCO - Voltage Controlled Oscillator 3
3 LFS - Low Frequency Shaper 4
4 LFO - Low Frequency Oscillator 5
5 ENV - Envelope Generator 6
6 VCA - Voltage Controlled Amplifier 7
7 BRM - Balanced Ring Modulator 8
8 SMP - Sample Player 9
9 NOI - Noise Generator 10
10 DLY - Delay 11
11 DST - Distortion 12
12 VCF - Voltage Controlled Filter 13
13 DRC - Drum Rack 14
14 CLK - Clock Generator 15
15 GAT - Gate Divider 16
16 EUC - Euclidean Rhythm Generator 17
17 PLY - Polyrhythm 18
18 RNG - Rendom Note Generator 19
19 QNT - Quantiser 20
20 ARP - Arpeggiator 21
21 OUT - Output 22

WTO - Wavetable Oscillator

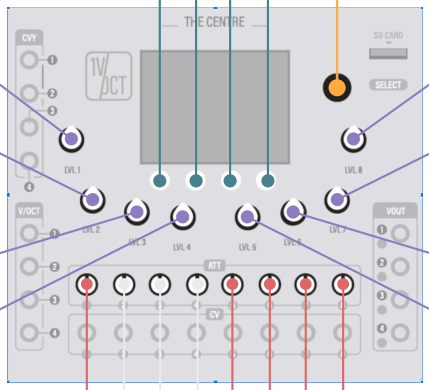
[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Navigate between wavetables in current directory
[CLICK] Enter File Browser to change to chosen wavetable and to change browsing directory
[LONG PRESS] Enter Wavetable Editor

[2D/3D] Switch between display of wavetable



[WT] Wavetable Position - position of wave in wavetable. If controlled by CV moves through the table.

[GLDT] Glide Time

[UNI] Unison mode. Creates multiple (up to 16) oscillators.

[FRQF] Frequency Fine

[DET] Detune. Detunes oscillators in unison mode with maximum range +/- semitone

[FRQC] Frequency Coarse

[AM] Amplitude Modulation Level (can be use as VCA)

[DTWT] Detune Wavetable element.

Smooting Changes the way of wavetable reproduction

Select Audio Output Destiantion

NA

[NOTE-FINE] Fine-tune note in cents (+/- semitone)

NA

[NOTE-NOTE] Tune sound by semitone (+12 semitones one octave)

NA

[NOTE-OCT] Tune note by octave (+/- 8 octaves)

VCO - Voltage Controlled Oscillator

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Switches between waveforms (Triangle Square Sine)

[ON/OFF] Turning module On or Off (Bypass)

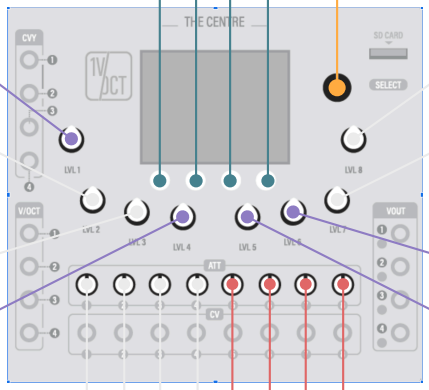
[SKEW] Adjust level of PWM or PWM-Style effect on waveform

NA

NA

NA

NA



NA

NA

[PM] Phase Modulation Level

[AM] Amplitude Modulation Level (can be use as VCA)

[FM] Frequency Modulation Level

NA

Select Audio Output Destiantion

NA

[NOTE-FINE] Fine-tune note in cents (+/- semitone)

NA

[NOTE-NOTE] Tune sound by semitone (+12 semitones one octave)

NA

[NOTE-OCT] Tune note by octave (+/- 8 octaves)

LFS - Low Frequency Shaper

[Back] Return back to Patch Menu

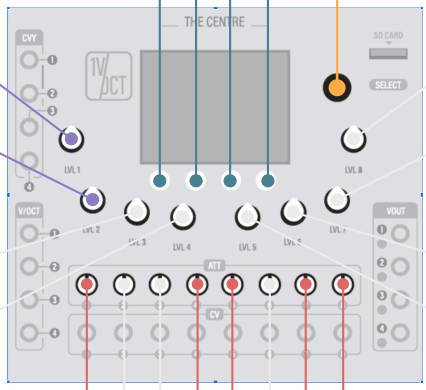
[Inputs] Configure Inputs of the module

[Edit] Enter Shape Editor **[SET]** Settings of the module

[ROTATE] Navigate between shapes in current directory
[CLICK] Enter File Browser to change to chosen shape and to change browsing directory

[FRQC] Frequency Coarse for LFO (HZ: 0 - 100Hz or BPM: 1/256 to 8bar)

[FRQF] Frequency fine tune



NA

NA

NA

NA

NA

NA

[TRIG]
Select running mode (Trigger Continuous Gate Length)

Select timing mode: BPM or Hz NA

Select Shape Output Destination

NA

NA

[CLK] Select CLOCK source CV

Select Trigger CV

LFO - Low Frequency Oscillator

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

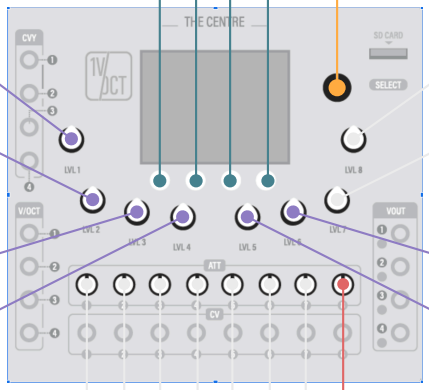
[SET] Settings of the module

[ROTATE] Switches between waveforms (Triangle Square Sine)

[ON/OFF] Turning module On or Off (Bypass)

[SKEW] Adjust level of PWM or PWM-Style effect on waveform

NA



[FRQC] Frequency Coarse for LFO 0 - 28Hz

NA

[FRQF] Frequency fine tune (+ 10% of coarse frequency)

[PM] Phase Modulation Level

[AM] Amplitude Modulation Level (can be use as VCA)

[FM] Frequency Modulation Level

NA

Select Audio Output Destiantion

NA

NA

NA

NA

NA

NA

ENV - Envelope Generator

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Switches between waveforms (Triangle Square Sine)

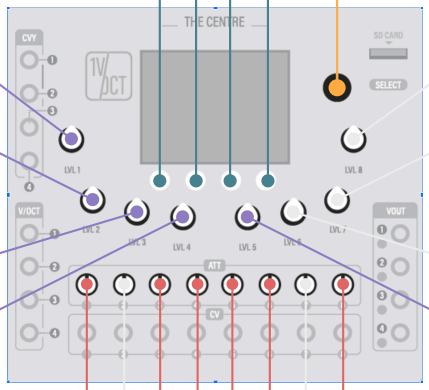
[ON/OFF] Turning module On or Off (Bypass)

Adjust ATTACK in range of 0.0 to 31.5s

NA

Adjust HOLD in range 0 to 31.5s.
■ When HOLD is 0s envelope is ADSR

NA



Adjust DECAY time in range of 0.0s to 31.5s

NA

Adjust SUSTAIN level

Adjust RELEASE time in range of 0.0s to 31.5s

Adjust curve shape of ATTACK

Select AUDIO Output of Envelope (allows to send envelope out to control other devices)

NA

NA

Adjust curve shape of DECAY

[MODE] Change between Trigger (AHDR) and Gate (AHDSR) modes

Adjust curve shape of RELEASE

[GAT] Select GATE Input CV

VCA - Voltage Controlled Amplifier

[Inputs] Configure Inputs of the module

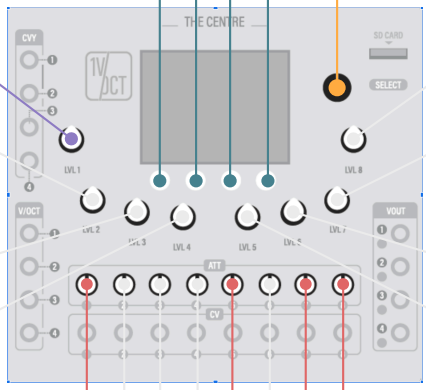
[Back] Return back to Patch Menu

[SET] Settings of the module

NA

[ON/OFF] Turning module On or Off (Bypass)

Adjust Level of Amplification



NA

NA

NA

NA

NA

NA

NA

NA

Adjust attenuation of CV input for Level

NA

Select Input of VCA

NA

NA

NA

Select source of Level Modulation

BRM - Balanced Ring Modulator

[Inputs] Configure Inputs of the module

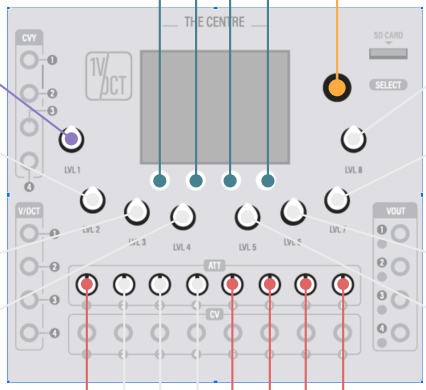
[Back] Return back to Patch Menu

[SET] Settings of the module

NA

[ON/OFF] Turning module On or Off (Bypass)

Adjust Level of Cross modulation



NA

NA

NA

NA

NA

NA

NA

Adjust attenuation of CV input for Modulation

Select the Audio Output of combined signal by Ring Modulator

NA

Select the first Audio Input

NA

Select the first Audio Input

NA

Select source of Level Modulation

SMP - Sample Player

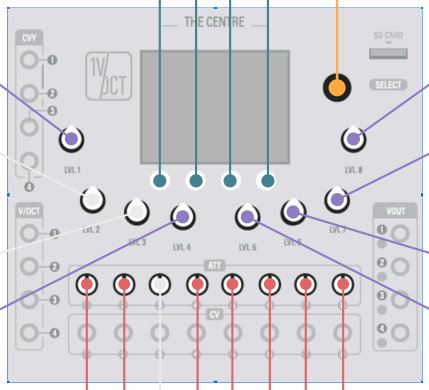
[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Navigate between samples in current directory
[CLICK] Enter File Browser to change to chosen sample and to change browsing directory
[LONG PRESS] Enter Wavetable Editor

[2D/3D] Switch between display of wavetable



[AM] Amplitude Modulation Level (can be used as VCA)

Zoom to the actual pointer for fine tuning

NA

[LOOP-END] Adjust loop end of the sample

NA

[LOOP-START] Adjust loop start pointer of the sample

Control the window in ZOOM mode

[START] Adjust start pointer of the sample

[RUN]
Select running mode (Trigger Continuous Gate Length)

Select Audio Output Destiantion

[GATE] Select Gate CV

[NOTE-FINE] Fine-tune note in cents (+/- semitone)

NA

[NOTE-NOTE] Tune sound by semitone (+12 semitones one octave)

[NOTE-VOCT] Select VOCT input

[NOTE-OCT] Tune note by octave (+/- 8 octaves)

NOI - Noise Generator

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

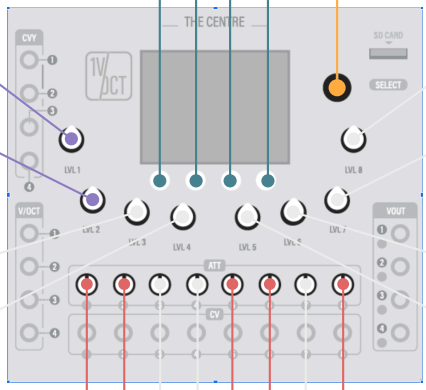
[SET] Settings of the module

[ROTATE] Switches between waveforms (Triangle Square Sine)

[ON/OFF] Turning module On or Off (Bypass)

[LPF] Low Pass Filter
Cutoff Frequency - adjusts colour of noise

[HPF] High Pass Filter
Cutoff Frequency - adjusts colour of noise



NA

NA

NA

NA

NA

NA

NA

NA

[LPF] Attenuate CV input for Low Pass Filter

Select Audio Output Destiantion for Noise

[HPF] Attenuate CV input for High Pass Filter

NA

NA

[HPF] Select CV input for High Pass Filter

NA

[LPF] Select CV input for Low Pass Filter

DLY - Delay

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

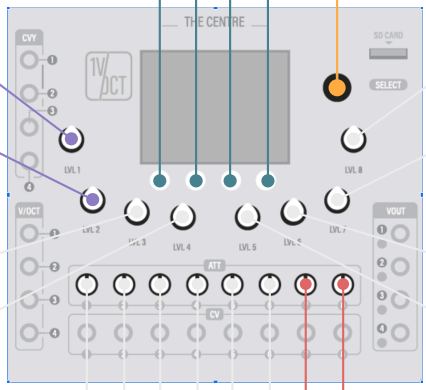
[SET] Settings of the module

[CLICK] Exit

[ON/OFF] Turning module On or Off (Bypass)

[DLY] Delay time 0s to 4s

[ECH]
Percentage of echo added after delay period



NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

[AUDIO OUT] Select Audio Outpur Destination

[AUDIO IN] Select Audio Input Source

DST - Distortion

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

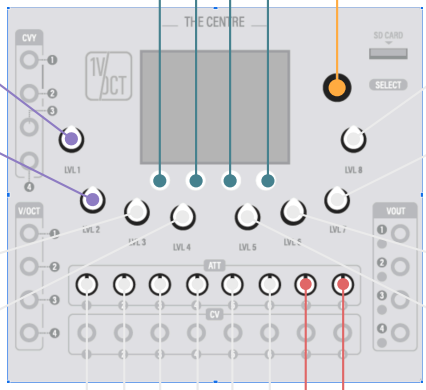
[SET] Settings of the module

[CLICK] Exit

[ON/OFF] Turning module On or Off (Bypass)

[DRV] Drive - Signal Gain

[MIX]
Percentage of Wet to Dry Signal for Mixing



NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

[AUDIO OUT] Select Audio Outpur Destination

[AUDIO IN] Select Audio Input Source

VCF - Voltage Controlled Filter

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Switch between filter types

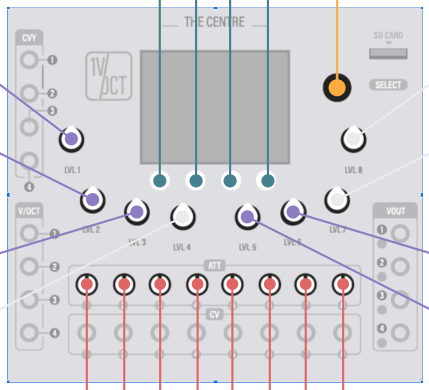
[ON/OFF] Turning module On or Off (Bypass)

[CTO] Adjust Cutoff Level

NA

[RES] Adjust Resonance

NA



[GAI] Adjust Gain of filter

[VOCT] Select Keytracking CV

NA

[VOCT] Attenuation of Key Tracking CV

[CTO] Attanuate Cutoff CV

Select Audio Output

[RES] Attanuate Resonance CV

Select Audio Input

[GAI] Attanuate Gain of filter CV

[GAI] Gain of filter CV

[CTO] Cutoff CV

[RES] Resonance CV

DRC - Drum Rack

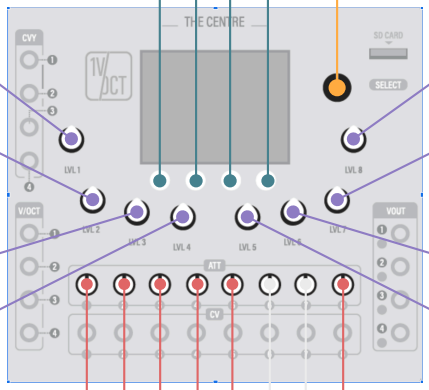
[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Select sample slot
[CLICK] Enter file browser to select sample from SD card

[On/Off] Controls module on and off



[PITCH] Pitch Control for Slot 1

[LEVEL] Level (Amplitude) Control for Slot 4

[PITCH] Pitch Control for Slot 2

[LEVEL] Level (Amplitude) Control for Slot 3

[PITCH] Pitch Control for Slot 3

[LEVEL] Level (Amplitude) Control for Slot 2

[PITCH] Pitch Control for Slot 4

[LEVEL] Level (Amplitude) Control for Slot 1

[GATE] Select Gate CV for Slot 1

[GATE] Select Gate CV for Slot 2

NA

[GATE] Select Gate CV for Slot 3

NA

[GATE] Select Gate CV for Slot 4

[OUT] Select Audio Output Destination

CLK - Clock Generator

[Inputs] Configure Inputs of the module

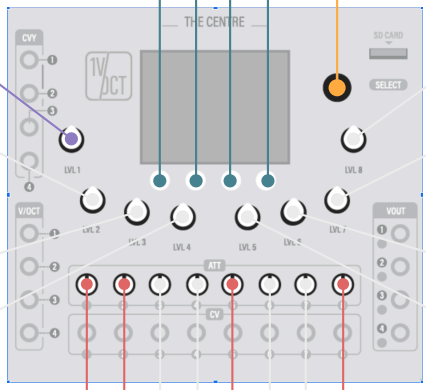
[Back] Return back to Patch Menu

[SET] Settings of the module

NA

[ON/OFF] Turning module On or Off (Bypass)

[BPM] Adjust BPM Rate



NA

NA

NA

NA

NA

NA

NA

NA

[SYNC] Sync BPM to external BPM

[OUT] Select Audio Output Destination

[PPQN] Pulses per quarter note [BPM] for extrnal clock

NA

NA

NA

[EXT CLK] External clock CV input selector

GAT - Gate Divider

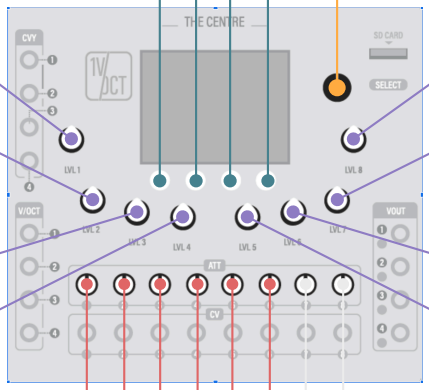
[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Select the Gate Divider Channel 1 to 4

[ON/OFF] Turning module On or Off (Bypass)



[INTV1] Interval for Channel 1

[GLEN1] Gate length for Channel 1

[INTV2] Interval for Channel 2

[GLEN2] Gate length for Channel 2

[GLEN4] Gate length for Channel 4

[INTV4] Interval for Channel 4

[GLEN3] Gate length for Channel 3

[INTV3] Interval for Channel 3

[DLY1] Delay for Channel 1

[DLY2] Delay for Channel 2

[DLY3] Delay for Channel 3

[DLY4] Delay for Channel 4

NA

NA

[RST] Select RESET source CV

[CLK] Select CLOCK source CV

EUC - Euclidean Rhythm Generator

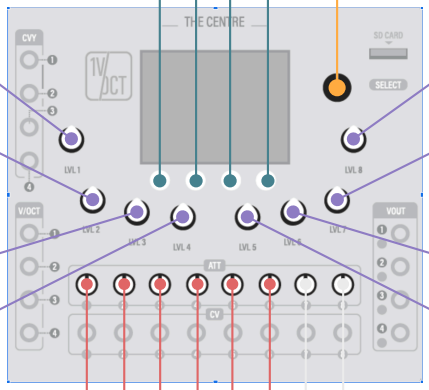
[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

NA

[RESET] Resets all channels in pattern to start position upon release of button)



[STEP] Number of steps for Channel 1

[BEAT] Number of beats for Channel 1

[STEP] Number of steps for Channel 2

[BEAT] Number of beats for Channel 2

[BEAT] Number of beats for Channel 4

[STEP] Number of steps for Channel 4

[BEAT] Number of beats for Channel 3

[STEP] Number of steps for Channel 3

[OFFSET1] Starting offset for Channel 1

NA

[OFFSET2] Starting offset for Channel 2

NA

[OFFSET3] Starting offset for Channel 3

[LEN] Adjust length of a Step

[OFFSET4] Starting offset for Channel 4

[CLK] Select CLOCK source CV

PLY - Polyrhythm

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

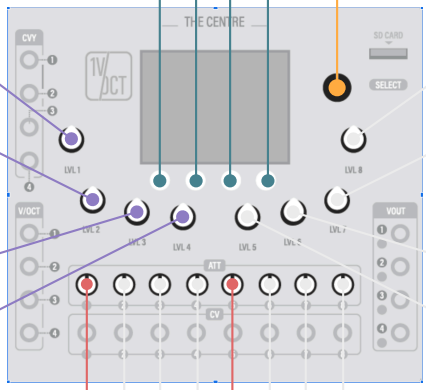
[SET] Settings of the module

NA

[RESET] Resets all channels in pattern upon release of button

Slect number of steps for channel 1

NA



Slect number of steps for channel 2

NA

Slect number of steps for channel 3

NA

Slect number of steps for channel 4

NA

[PLEN] Select pattern length

NA

NA

NA

NA

NA

NA

[CLK] Select CLOCK source CV

RNG - Rendom Note Generator

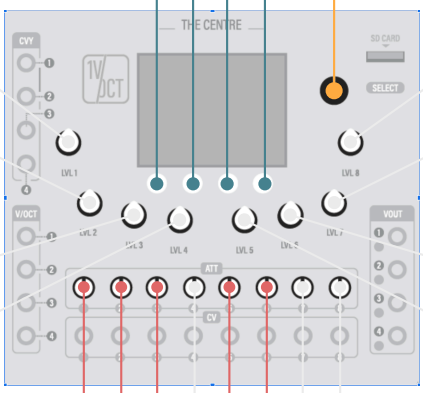
[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Move between scale selector and note lengths
[CLICK] Turn on Scale Selector or Enable Note/Rest Lengths for generation

[ON/OFF] Turning module On or Off (Bypass)



NA

NA

NA

NA

NA

NA

NA

NA

[SCL] Select Scale

NA

[NOTES]
Select note lengths that will be included in randomiser

NA

[RESTS] Select rests lengths to be included in randomiser

[PLEN] Select pattern length

NA

[TRG] Select Trigger CV - Ignores CLOCK

QNT - Quantiser

[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

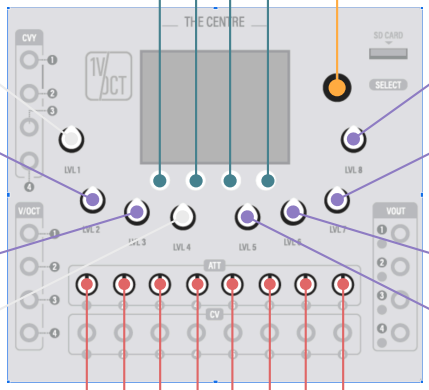
[SET] Settings of the module

[ROTATE] Turn note on or off and in Scale Selector turn to Scale Select mode

[Mode] Switch between Simple and Advanced mode

NA

[KEY] Change KEY for Scale / Change Base Frequency



Enable/Disable Note C#

Enable/Disable Note A#

Enable/Disable Note D#

Enable/Disable Note G#

NA

Enable/Disable Note F#

Enable/Disable Note C

[NOTE] Select NOTE CV Input

Enable/Disable Note D

Enable/Disable Note B

Enable/Disable Note E

Enable/Disable Note A

Enable/Disable Note F

Enable/Disable Note G

ARP - Arpeggiator

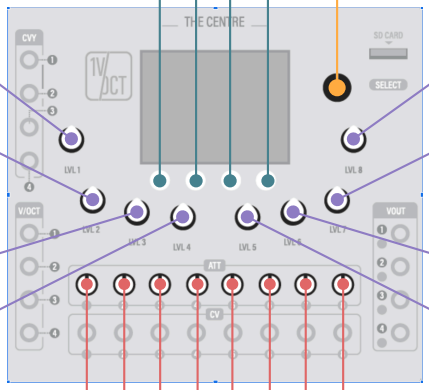
[Inputs] Configure Inputs of the module

[Back] Return back to Patch Menu

[SET] Settings of the module

[ROTATE] Alternate between editing pattern's semitones and velocity values
[CLICK] Exit

[ON/OFF] Turning module On or Off (Bypass)



[STEP 1] Adjusts step in semitones (-24 to +24) or Modulation (Velocity)

[STEP 2] Adjusts step in semitones (-24 to +24) or Modulation (Velocity)

[STEP 3] Adjusts step in semitones (-24 to +24) or Modulation (Velocity)

[STEP 4] Adjusts step in semitones (-24 to +24) or Modulation (Velocity)

[STEP 8] Adjusts step in semitones (-24 to +24) or Modulation (Velocity)

[STEP 7] Adjusts step in semitones (-24 to +24) or Modulation (Velocity)

[STEP 6] Adjusts step in semitones (-24 to +24) or Modulation (Velocity)

[STEP 5] Adjusts step in semitones (-24 to +24) or Modulation (Velocity)

[STEPS] Adjusts number of steps (between 1 and 8)

[NOTE-FINE] Fine-tune note in cents (+/- semitone)

[DURATION] Adjust duration of the arpeggiator sequence

[NOTE-NOTE] Tune sound by semitone (+12 semitones one octave)

[TIMING] Changes timing of pattern between time based (Hz) and note duration based (BPM)

[NOTE-OCT] Tune note by octave (+/- 8 octaves)

[CLK] Select CLOCK source CV

Select Trigger CV

OUT - Output

[RELEASE] Release speed of limiter