Clank Chaos

Cheat-sheet v0.2 (firmware 1.5)
Full manual at: Chaos+Manual+FW+v1_15.pdf

Input/Output

Top row jacks, from left to right:

- Clock in
- Loop in (gate, see input-assign #2)
- CV in (see input-assign #3)
- Chaos in (gate, see input assign #4)
- Clock out (always 100% prob of channel 1)

Channels

- **rotate encoder** – select channel 1-6, far right is *all* channels

Time/Gates

Generate gates from the (internal/external) clock.

- **hold prob + rotate encoder** – probability of the gate
- **hold width + rotate encoder** – gate width (% high)
- **tap & hold width** – ratcheting (1-8 gate reps/beat)
- **hold time + rotate encoder** – change clock
  - channel 1/master – white ±100m, blue ±1s
  - any sync'd channel – multiple (white) or divide (red)
  - any unsync'd channel – faster (white) or slower (red)
- **tap time** – tap tempo for current clock
- **tap & hold time** – swing (0, 25%, 50%, 75%)

Voltage

Generate random voltages from the internal CV generator or bypass it with input-assign #3.

- **hold voltage-window** – CV output / 0-8V
- **hold ground-transpose** – shift the CV window +/-

Quantization & Slew

Output CV in scales, with or without slew

- **hold quant/slew** – set quantization (setting #1 is off)
- **(hold quant/slew) + (press & hold encoder) –** root note
  rotate through semitones, release to set
- **tap quant/slew –** enable slew
- **tap & hold quant/slew –** select slew amount (0-100%)

Looping

Chaos can loop the last N number of steps it has output. Press the button or send a gate into the *loop* input.

- **tap loop –** enable/disable looping
- **hold loop + rotate encoder** – set loop length (1-32 steps)

Transport

- **hold loop + input-assign** – play loop in reverse
- **hold loop + quant/slew** – start loop over
- **hold loop + memory-access** – play loop forward

Loop settings are separate from non-loop settings.

- **hold loop + *any setting*** – loop-specific settings
- **hold loop + double tap save** – clear loop settings (per channel)

Save/Recall, Copy/Paste

- **tap save –** copy channel settings, or paste them. Alternates.
- **double-tap save** – reset channel to initial settings
- **hold loop + double-tap save** – reset only loop settings
- **hold save + rotate encoder** – save settings (per channel), press to save, release to load settings

Chaos

Embrace the *chaos.* Randomizes every parameter on the selected channel, or on all channels.

- **press/click encoder** – trigger *chaos*, randomizes all settings on current channel (or all channels)
- **tap & hold encoder** – set entropy (amount of chaos)
- **(tap & hold encoder) + (hold *any setting*) –** set per-setting entropy for this channel

MUTES mode

Mute all (channel 1) or the other (2-6) channels individually.

- **double-tap input-assign –** enable/disable *MUTES* mode
- **tap 6 left buttons –** turn channel on/off, 1=all

Input-assign options

Click input-assign, use the encoder to select; push for OK.
Options:
1 - green = channel sync'd to master clock, off = unsync'd
2 - loop input (send a gate to start/stop loop)
3 - green = CV input active (bypass internal CV engine)
red = CV transpose mode
4 - chaos function (gate in to enable chaos)

Quantizer list

Page 1	Page 2	Page 3
• Unquantized (Default).	• Ionian.	• Ascending melodic minor
• Chromatic	• Dorian.	• Dorian b2 / Cappadocian Scale
• Octave	• Phrygian.	• Lydian augmented (
• Major pentatonic	• Lydian	• Lydian dominant (bluesy)
• Minor pentatonic	• Mixolydian	• Mixolydian b6
• Blues	• Aeolian	• Locrian #2
• Arabic	• Locrian	• Super Locrian
• Pelog		
• Hirajōshi		
• Chinese		



And a *thank you* to Andrea and Emanuele