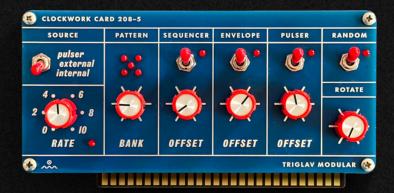
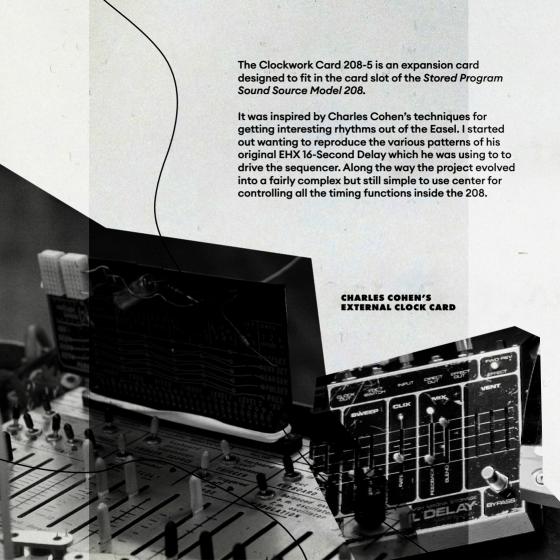
CLOCKWORK CARD

208-5



TRIGLAV MODULAR



CLOCKWORK CARD 208-5

Connectivity

The card interfaces with the 208's "to card" and "from card" banana jacks. The inverter "to card" jack serves as an external clock input, while the inverter "from card" output provides a switchable sum of the pulse outputs or the master clock.

The **preamp's "to card"** banana jack allows for voltage-controlled pattern rotation or resetting to the first step.

Envelope switch

Clock

source

switch

Clock rate
In pulser / external

mode, this acts

as a clock divider.

In internal mode

it's a free running clock source.

Routes the sequencer voltages to the Envelope Generator decay.

CV switch

under Front Panel.
Switches the CV input between
controlling the rotation or
acting as a reset.

Pattern LEDs

Indicates the current pattern bank.

CLOCKWORK CARD 208-5 SEQUENCER RANDOM SOURCE PATTERN ENVELOPE pulser external internal ROTATE RATE BANK OFFSET OFFSET OFFSET $(\mathbf{+})$ TRIGLAV MODULAR (+

Pattern bank selector

Select from a set of 30 banks, each containing 4 different clock patterns. (One per destination.)

Offset controls

Shift the pattern to the right, changing its relative position from the downbeat. Turned fully clockwise the shifting is once again aligned to the starting position.

5 V threshold for clock input

Set this to on if you want to use external 5 V triager.

Clock output summer DIP SWITCHES

Destination

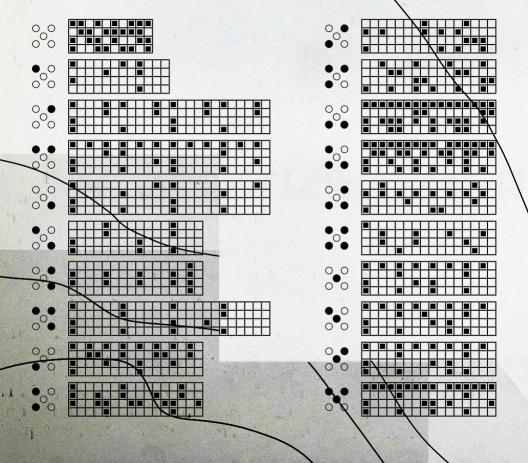
on/off switches

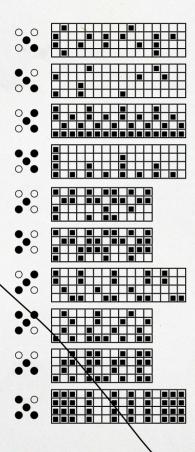
You can add up any of the four patterns or the main clock to the "From prog" jack of the 208.

Rotation

Rotates the pattern to destination assignment.

LIST OF PATTERNS





SPECIAL MODES



UNCERTAINTY MODE

Selecting this pattern puts the Clockwork Card into Uncertainty mode. In this mode each destination is an independent random pattern generator with various distributions and rates.

Turning the offset knobs adjust the probability of a trigger.

In this mode, the rotate knob selects from different distributions.



CLIX MODE

Selecting this pattern puts the Clockwork Card into CLIX mode. In this mode each destination is an independent click pattern generator based on the original EHX 16-second Delay CLIX patterns.

Turning up the offset knobs make the corresponding clix go faster.

In this mode, the rotate knob acts as the rate for the **RANDOM** output.

FIRMWARE UPDATE

- 1. Download the latest firmware from triglavmodular.hu/208-cards/clockwork-card
- 2. Download and install the Arduino IDE.
- 3. Remove the card from the 208.
- 4. Plug in the card to your computer with the USB-C port.
- 5. Open the downloaded firmware project.
- 6. Select the USB port in the IDE. Choose Arduino Nano if asked.
- 7. Press upload and verify.
- 8. Unplug the device from the USB port.
- 9. You're done.

Designed & built in Budapest by Triglav Modular.

Anti-copyright, 2023

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Special thanks to Michael Jurczak for digging up the vintage clix patterns.

Dedicated to Charles Cohen.



"Chips, picking chips off rocky thumbnail, chips."

