Dear KOMA user,

Thank you for purchasing the KOMA Elektronik Komplex Sequencer!

Some machines start with crazy ideas on paper but cook up more mundane things when they are realised. The Komplex Sequencer is one of those machines: four sequencers that can cross modulate each other, as well as have the possibility to become the sequencer from a repeating pattern into an ever-evolving soundworld.

The Komplex Sequencer has no screens or submenus; all features have their own dedicated controls, inputs and outputs. It is a large 87-point front-panel patch bay inviting you to instantly interact with the machine. By patching both outputs on a large 87-point front-panel patch bay inviting you to instantly interact with the machine.

The Komplex powers on automatically when it receives power.

Inputs & Outputs

Inputs are CV but can also accept bipolar signals. If the input has a corresponding knob, then the knob becomes the bias of the input.

The package contains the Komplex Sequencer itself, a dust cover, this manual and the power supply unit.

1. Unpack your machine

2. Power up

Use only the included 12V AC power supply included. The sequencer is automatically controlled when powered on.

3. Connect it

Plug the CV OUT of the Komplex to your CV IN (e.g., a stock port) and the GATE OUT to your GATE IN (e.g., a synth). Depending on your CV output, the step is played in accordance with the sequencer's behaviour, repeat mode, unipolar/bipolar CV or external MIDI clock.

4. Play

Press PLAY and start moving the sliders and adjusting other parameters to begin creating a sequence.

5. Progress

Make it more complex by patching and chaining the other sequencers. It's an ongoing process that will never end.

Getting Started

For many musicians throughout the years, ranging from acid-style to techno, the Komplex is a benchmark. It's a great tool that is super easy to use.

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Section Controls

Set the values for the section controls with the Step Select Buttons as mentioned above.

Inputs & Outputs

The CV output of the sequencer.

Gate out

Outputs a positive gate per step where gate is active. Can be used for acid-style or a filter cutoff.

Seq Length

Sets the division of the SPEED or incoming clock.

Play Mode

Set the order in which the steps are played: Forward, Reverse, Ping Pong, Ping Pong Random.

Start

When the input receives a positive pulse, the sequence starts playing or pauses.

Stop

An incoming pulse resets the sequence back to its sequence start point.

Outputs the clock per sequencer as set by the CV slider.

Sets the amplitude of the CV output, suitable for dynamics, major and minor scales, but not for chromatic changes.

Starts all 4 sequencers or pauses them at once, from their current position until started again.

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Steps and resets the sequence to its sequence start point.

Sets the voltage range of the CV Output, suitable for dynamics, major and minor scales, but not for chromatic changes.

Sends a pulse every time the sequence turns on automatically.

Selects the play mode of the sequencer.

Control the glide time.

Set the division of the SPEED or CLOCK IN.

Receives incoming MIDI clock.

Outputs information as assigned by the four outputs.

The MIDI to analog clock out sends a trigger (e.g., a MIDI clock pulse) corresponding to 1 clock trigger per quarter note.

Pressing both internal and external CV signals toggles between four different sequences and the GROOVE recorder. You can use “sequence the sequence” and create extremely complex patterns that further extend repetitiveness.

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Example Patches

01 4X STEP SEQUENCE

Create a 4-step sequence inosc. CH. 1/2-4 and play it to create a 16-step sequence. Take the CV out of each sequencer into the next one using CV B and also use CV OUT to START with the start signal to create a 16-step sequence. Use all these together into your own project. Use all four sequencers to create a complete signal chain.

02 SEQUENCER OSCILLATOR

Send an audio rate pulse signal into the oscillator. Different rates will also affect pitch. Use the CV OUT as your audio output. Use the waveform with 32, 64, or 16 steps where you now create new audio but doesn’t interfere with the sequencer. Try using the same logic to create between four sequencers, etc.

03 SEQUENCER BANK

Save the CV sequence in one step or use another sequencer to switch between them. Set all four sequencers to a width of 8 steps and make sure the sequencer length is equal to 2 and use 200 ms of the clock. Use the step slider for the output range. Set all four sequencers to a length of 8 steps and make sure the step slider in each sequencer will move the second half of the step. Your final sequencer length will be the second half of the step. Use the step slider to switch between your four sequencer lengths, etc.

CV Tables

The following tables provide a precise range of voltages to change between different parameters.

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<thead>
<tr>
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CV Recorder

Try using the CV Recorder banks out of the box. They may be loaded with some presets!

- **PLAY**: Start playing the selected CV Bank.
- **REC**: Record when engaged, the CV Recorder records the incoming CV signal to the selected CV Bank.
- **SET**: Rotary control selects which CV Recorder Bank is being played back.
- **CV IN (Input)**: Send CV here to be recorded into a CV Recorder Bank.
- **TRACK**: Set the speed of the CV Recorder via track on the CV Recorder.
- **CV OUT (Output)**: The CV output of the selected CV Recorder Bank.
- **START (Input)**: When this input receives a positive pulse, the selected sequence starts playback.
- **BANK UP/DOWN (Input)**: Send a trigger (+5V) at these inputs to move the selected bank one position up or down.
- **MESSAGE**: More detailed information for the MODE MENU and Firmware Updates is available in the separate document.

Extra Features

- **MODE MENU**: After pressing the PEPSI button, six options per sequence are available:
  1. **STEP**
     - Either the step is skipped over normally, or the previous step is maintained for the period of the skipped step.
  2. **REPEAT MODE**
     - In normal repeat mode, the step length doesn’t change. The step repeat is as many times as set in the repeat menu. In latch repeat mode, the step length is fixed to the step length without repetition, i.e., with repeat set to 4%, the new step length is a fourth of the original step length but with 4 gates.
  3. **UNIPOL / BIPOLAR CV OUTPUT**
     - Set the CV outputs as unipolar or bipolar.

Technical Specifications

- **CASING**: Powder-coated aluminum casing, silk screened printing and wooden side panels.
- **SM-created**: 4.5 kg / 9.9 lbs including power adapter.
- **NET. WEIGHT**: 3.2 Kg / 8.8 lbs.
- **POWER REQUIREMENTS**: 12V AC power adapter.
- **SHIPPING WEIGHT**: 4.5 kg / 9.9 lbs including power adapter and this instruction manual.
- **DIMENSIONS**: 46.2 cm x 29 cm x 4 cm (L x W x H).
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