

POLYSEQ | User manual

SEBSONGS MODULAR

TEMPO / SWING

The TEMPO knob adjusts the internal clock rate from 5 to 300 BPM. Set the knob fully counter clockwise to activate the external clock input. To adjust SWING, hold the MODE switch and rotate the knob accordingly. Swing can be set from 5 to 95% with 50% (no swing) in the center position.

MEMORY / DIVISION

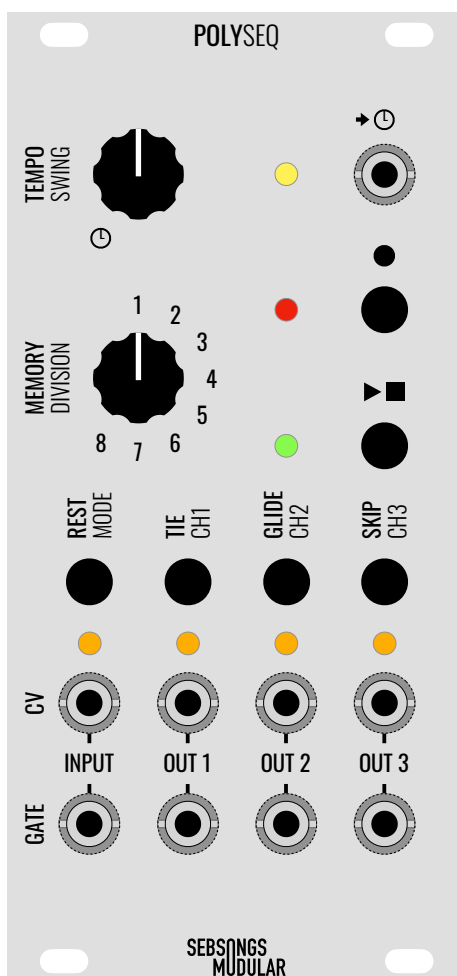
This rotary switch selects from which of the eight memory locations to either record or playback sequences. See explanations for both cases in the descriptions for the RECORD and CHANNEL switches. With this rotary switch it is also possible to set clock division for each playback channel. Read how to do it in the MODE & CHANNEL SWITCHES description.

CV / GATE INPUT

POLYSEQ can only be programmed through external CV and GATE signals. Simply connect a CV/GATE keyboard or any other CV/GATE source, press RECORD and program your sequence. CV signals are automatically quantised to V/OCT semitone values. The range of the CV input is 0-6 V and the GATE input can handle up to 10 V gates. The orange LED above the CV input will light up when there is a GATE signal present on the GATE input.

CV / GATE OUTPUTS 1-3

The CV and GATE outputs generate V/OCT quantised CV and GATE signals based on the programmed sequences. When programming sequences, the CH1 CV and GATE outputs are used as monitor to hear what is being programmed. The range of the CV outputs are 0-6 V and the GATE outputs are 10 V. The orange LEDs above each of the CV outputs will light up when there is a GATE signal present on a corresponding GATE output.



EXTERNAL CLOCK INPUT

Connect any trig, gate or LFO signal to clock the sequencer externally. To activate the external clock input, set the TEMPO knob to its minimum setting, pointing at the clock symbol. The yellow LED will indicate both the internal clock rate and external clock signal. The input can handle +/- 10V.

RECORD SWITCH

To set the sequencer to record mode, press this switch! The red LED will light up indicating that record mode is active. Before programming a sequence, remember to select which memory location you want to record to. When you are done recording a sequence, either press the this switch again to store the sequence, or press the PLAY/STOP switch to both store the sequence and instantly listen back to what you recorded.

PLAY/STOP SWITCH

This switch simply starts playback of the currently selected sequences. When pressing PLAY, the sequencer always starts at the first step of the sequence. The green LED lights up when playback is engaged.

MODE & CHANNEL SWITCHES

FUNCTIONS IN RECORD MODE

FUNCTIONS IN PLAY/STOP MODE

REST

Program a rest on current step (copying the CV value from the previous step).

MODE

The MODE switch is used as a shift key for various dual function switches.

TIE

Tie the current step with the previous, keeping the gate open (and copying the CV value from the previous step).

CH1/2/3

The CHANNEL switches are used to set different parameters per playback channel.

- ▶ Hold a CHANNEL switch and turn the MEMORY rotary switch to select which sequence to play.

- ▶ Hold MODE + CHANNEL switch and turn the MEMORY/DIVISION rotary switch to set the desired clock division.

- ▶ Hold MODE and press any CHANNEL switch to toggle through the playback modes.

The orange LEDs indicate which playback mode is selected:

1. FORWARD
2. REVERSE
3. PING PONG
4. RANDOM

- ▶ Briefly press and release

- ▶ (<100ms) any CHANNEL switch to mute and unmute a channel.

RESET ALL SEQUENCES & SETTINGS (RECOMMENDED BEFORE FIRST USE)

To reset all sequences and stored settings, make sure the sequencer is stopped and not in RECORD mode. Then press and hold MODE + RECORD for more than 2 seconds. The red LED next to the RECORD switch will flash when the reset is done and you can let go of the switches.

CALIBRATION MODE

To calibrate the CV input to read correct V/OCT values, do the following:

- ▶ Connect a V/OCT CV/GATE keyboard to the CV and GATE inputs.
- ▶ Press and hold the REST/MODE switch at power up. Let go when the orange LED under the switch starts fading in and out.
- ▶ Press and hold the key corresponding to 0.0 Volts and wait until the orange CH1 LED lights up.
- ▶ Press and hold the key corresponding to 6.0 Volts and wait until the orange CH2 LED lights up.
- ▶ Finally, press the REST/MODE switch to confirm the calibration. The sequencer returns to normal operation automatically.

TYPICAL USE

Connect a V/OCT CV/GATE keyboard to the CV and GATE inputs. Connect a synth voice to CH1 CV and GATE outputs. Select a memory location on the MEMORY rotary switch. Press RECORD and program a note sequence with the keyboard and the REST, TIE and GLIDE switches. Now press PLAY and listen to the sequence. Adjust the TEMPO and SWING to your liking and try out different playback modes. Connect another synth voice to the CH2 CV and GATE outputs and either play back the same sequence or program another sequence on another memory location to play different sequences on different channels.

Top tip: In the scenario described above, use CH3 as CV transposition by connecting it to an extra V/OCT input of your synth voice. Program a short sequence of notes and clock divide the channel to make it step forward in the sequence less often. Now play around with the playback mode of CH3 to get different transposition patterns.