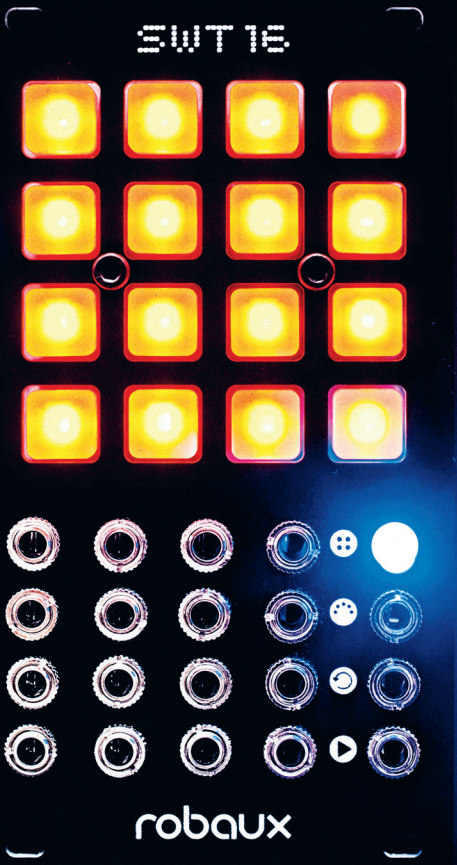

SWT16
robaux

Bring back the groove to eurorack.

About SWT16

The Robaux SWT16 is a 16-track eurorack trigger sequencer with up to 16 steps per track.

Programmable like a classic TR machine, the SWT16 can be used not only for triggering drum sounds, but also for Envelopes, S‘n‘Hs or resetting LFOs.

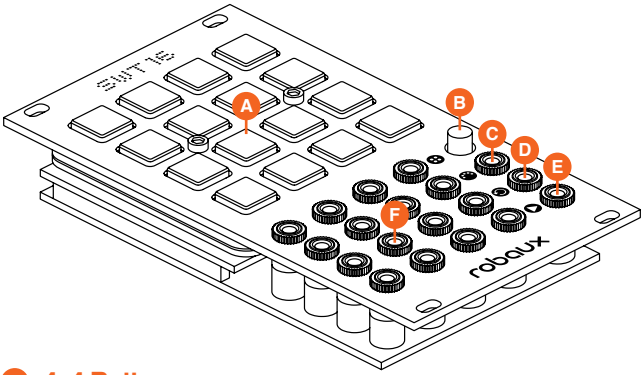
The SWT16 is polymetric - each track can have a different length, from 1 to 16 steps. Even more complex rhythms succeed with the individual clock divider per track.

The SWT16 has an intuitive user interface. All operation is via the illuminated 4x4 keypad. From the main screen, you can access the 16 different modes of the sequencer. The buttons adapt to the selected mode. With the back button, you can quickly return to the main screen.

Each track has its own trigger output. In addition, the triggers are also sent via MIDI notes (requires an adapter).

Installation

SWT16 requires a -12 / +12V power supply (2x5-pin connector). The red strip of the ribbon cable (-12V side) must be oriented on the same side as the „Red Stripe“ mark on the board. The module draws about 120mA from the + 12V rail.



A 4x4 Buttons

The 4x4 buttons are the interface and display of the SWT16.

B Home Button

Via the home button you will get back to the start screen.
In addition, the button displays the current tempo.

C MIDI Output

All triggers are also output as MIDI notes. Connect a Jack-to-DIN adapter here.

D Reset In

This trigger input is intended for a reset signal. When the trigger is hot, the sequencer goes back to the first step.

E Clock In

This is the clock input. The sequencer will be in sync with the external clock source provided through this input.

F Trigger Outputs

These 16 plugs output the individual trigger patterns. Each jack stands for a track, starting from the first track on the top left.

Step

In step mode, you can program your trigger tracks like a classic drum computer. Select the track you want to edit by pressing one of the 16 buttons. Then you can set the steps to create your patterns or override the steps.

Tap

In Tap mode, you can program your patterns on the fly. Each of the 16 keys represents one track. Play the keys while the sequencer is running to program your pattern.

Random

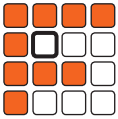
In this mode, you can fill the sequencer memory with random patterns. Each button represents a track. Pressing a track button replaces the tracks current pattern with a random pattern.

Delete

If you want to delete a track, you can clear all steps in your pattern in this mode. Each button represents a track. Press the corresponding button to delete the pattern.

Mute

In this mode, you can mute your tracks and unmute them. Each of the 16 buttons represents a trigger track that can be activated or deactivated by pressing.



Fill

In this mode, you can add continuous triggers. Each of the 16 keys represents a trigger track. Hold down the corresponding key to temporarily replace the current pattern with continuous triggers.

Invert

In this mode, you can invert the programmed triggers for each track. Each of the 16 keys represents a trigger track. Hold the corresponding button to invert the triggers.

Perform

This mode combines many modes into one. Perfect for live situations. Here you have access to four tracks at once. Each column represents one track.

Mode A

The first line mutes a track. Press 1-4 to mute the corresponding tracks.

In the second line, you can temporarily replace the pattern with continuous triggers. Perfect for adding drum rolls.

The third line changes from mode A to mode B or vice versa for each track.

Mode B

In mode B, the first line becomes a tap mode, where you can program your patterns on the fly.

Did you miss a beat? You can simply delete the track in mode B from the button in the second row and then play it again.

Switch Tracks

There is pagination in the fourth line to switch between tracks 1-4, 5-8, 9-12, and 13-16.

Length

In this mode, you can set the length of each track individually. Select a track by pressing the corresponding button. Then you can adjust the length by pressing one of the 16 buttons to set the step length. The 5 button sets the length to 5 steps, the 12 button to 12 steps and so on.

Length Reset

Too many polyrhythms? Activating the length reset restarts the pattern every first step of the master clock. For example, a 5-step pattern is played 3.2 times in a beat. Each of the 16 keys represents a trigger track. To toggle the length reset, select or deselect one of them.

Gate

In this mode, you can choose to combine two or more consecutive steps into one long gate or retrigger them at each step. Press the corresponding button to select the retrigger behavior. When it lights up, it fires again. When the button is off, the triggers are combined into a gate.

Clock

By default, each trigger track fires when it reaches a new clock signal. By setting the clock divider for each track, you can extend your patterns up to 16 steps to the master clock.

Select a track by pressing the corresponding button. Then you can adjust the division by pressing one of the 16 buttons. Knob 1 means that it is in sync with the master clock, button 4 divides the clock by four and so on.

Autoclock

By default, the sequencer requires a clock signal to operate. It is also possible to use it as a standalone sequencer. In autoclock mode, you can switch between internal and external clock.

Select one of the buttons in the bottom lines to switch between internal and external clock. When the buttons in the lower left corner light up, the autoclock is enabled.

If the buttons in the lower right corner are lit, Autoclock is disabled and you need to trigger the sequencer with an external clock.

If the auto clock is activated, you can control the internal clock of the sequencer. Press the 1 button to start and stop the sequencer. Press the 2 button to reset the sequencer while it is playing. Button 3 and 4 is used for speed control. Decrease the clock tempo by pressing the 3 button and increase it by pressing the 4 button.

Notes

The triggers are also sent via midi. You can choose for each track which Midi channel should send these triggers. Select a track by pressing the corresponding button. Then you can adjust the midi channel by pressing one of the 16 buttons. So buttons 3 set it to channel 3, buttons 8 set it to channel 8 and so on.

Write

There you can save all your current patterns and settings in the memory of the sequencer.

Util

In util mode, you can enable and disable functions of the sequencer.

Disable animations

Press the 1 button to enable/disable the animations that will be displayed when entering a new mode. But nobody really wants that.

Factory Reset

You have lost control of the sequencer? You can restore his virginity by pressing the 4 key - but be aware - you will lose all your funky rhythms.