LFO: Low frequency oscillator

5 waveforms are provided, each of them continuously variable:

- Sine with wavefolding
- Triangle with controllable ascending/descending ratio
- Square with duty cycle control
- Stepped triangle with variable number of steps
- Clocked noise with interpolation control

TAP: Tempo synchronized LFO

This function is similar to the LFO except that the frequency is synchronized to the rate of the input trigger signals, or to the “taps” on the buttons (G) and (H).

The trigger resets the LFO to the phase set by the “initial phase” control.

DRUM: Analog modeling drums

Channel 1 is a modeled analog bass drum, and channel 2 a modeled snare drum.

- BD attack
- Frequency modulation/tone
- SD tone
- Decay

Tips

Hold the function selection switch (F) for 1 second to unlock 4 new secret functions. Repeat this operation to go back to the 4 standard functions.

Note: With extreme nosiness and tone settings, the snare drum turns into a hi-hat.
About Peaks
Peaks is a 2-channel multi-function signal generator: envelopes, synchronized low-frequency oscillations, or drum signals can be generated in response to triggers.

Installation
Peaks requires a -12V / +12V power supply (2x5 pins connector). The red stripe of the ribbon cable (-12V side) must be oriented on the same side as the “Red stripe” marking on the board.
The power consumption is as follows:
-12V: 2mA ; +12V: 60mA.

Online manual and help
The manual can be found online at mutable-instruments.net/modules/peaks/manual
For help and discussions, head to mutable-instruments.net/forum

Front panel
A. B. C. D. Parameters. Refer to the tables in the next sections.
E. Control mode selection switch and LED.
F. Function selection switch and LEDs.
1. 2. Channel 1 & 2 trigger inputs.
3. 4. Channel 1 & 2 signal outputs.

Control modes
Peaks can operate in 3 different modes: TWIN: Both channels share the same parameters but can be triggered independently. The 4 knobs control the 4 parameters. Perfect for duophony!
SPLIT: Knobs 1&2 control two main parameters of channel 1; and knobs 3&4 two main parameters of channel 2. Press the button (E) to switch back and forth between TWIN and SPLIT mode. The LED is lit in SPLIT mode.
EXPERT: Channel 1 and 2 are completely independent. Hold the button (E) for 1 second to enter the EXPERT mode. Press (E) to change the channel. The LED blinks once when channel 1 is active, twice when channel 2 is active. Hold (E) for 1 second to leave the EXPERT mode.

ENV: Envelope generator

<table>
<thead>
<tr>
<th>Knob</th>
<th>TWIN &amp; EXPERT mode</th>
<th>SPLIT mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Attack</td>
<td>Ch. 1 Attack</td>
</tr>
<tr>
<td>2</td>
<td>Decay</td>
<td>Ch. 1 Decay</td>
</tr>
<tr>
<td>3</td>
<td>Sustain</td>
<td>Ch. 2 Attack</td>
</tr>
<tr>
<td>4</td>
<td>Release</td>
<td>Ch. 2 Decay</td>
</tr>
</tbody>
</table>

In Twin & Expert modes, the envelope is an ADSR and requires a Gate signal.
In Split mode, the envelope is a simpler AD, and only requires a Trigger signal.