MKT Mapper Reference Manual v2.0

for Windows and Mac

Reference Manual by killihu

killihu

Plugins, skins and other resources for computer-based audio production
Contact Support: killihu.vstskins.com/contact

This book has been inspired by the Ableton Live Reference Manual, with the aim of making it easier for Ableton Live users to read.

Contents

Main information

1.1 Plugin Overview

MIDI key triggered mapper and CC sender. Each time a MIDI note is received, it advances one step in the sequence. Similar to the incremental MMap function found in Zebra 2.

Main features:

- Sequence of up to 64 steps.
- Interval that defines how many MIDI notes advance one step.
- Different ways to advance the sequence (forward, backward, random...).
- Random step generator.
- Chords advance only one step.
- Threshold setting to detect non-quantized chords.
- Two modes of operation: Bipolar and Slider.
- Mapping of 8 controls and sending of 8 different MIDI CC.
- 6 presets that can be changed by automation.

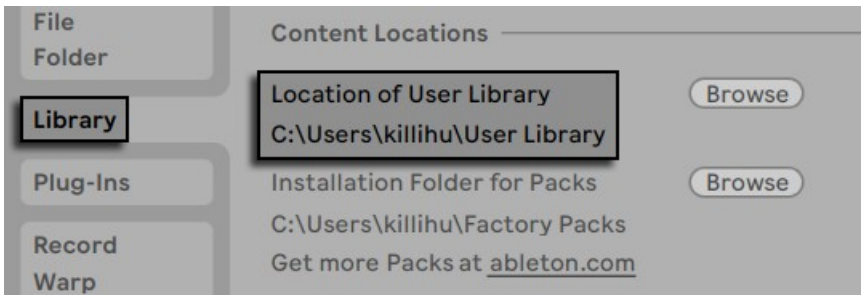
1.2 System Requirements

- MKT Mapper v2 works on Live Version: 12 with Max for Live
- MKT Mapper v1 works on Live Version: 10 / 11 / 12 with Max for Live
- Operating System: Windows, Mac

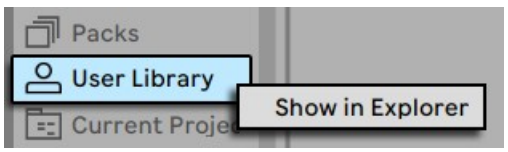
1.3 Installation Instructions

Unzip the ZIP file and copy the plugin AMXD file to your User Library folder. There are two ways to find where your User Library is located:

Go to Preferences – Library – Location of User Library



Or [right-click] on the User Library in the Browser – Show in Explorer



The download includes two AMXD files:

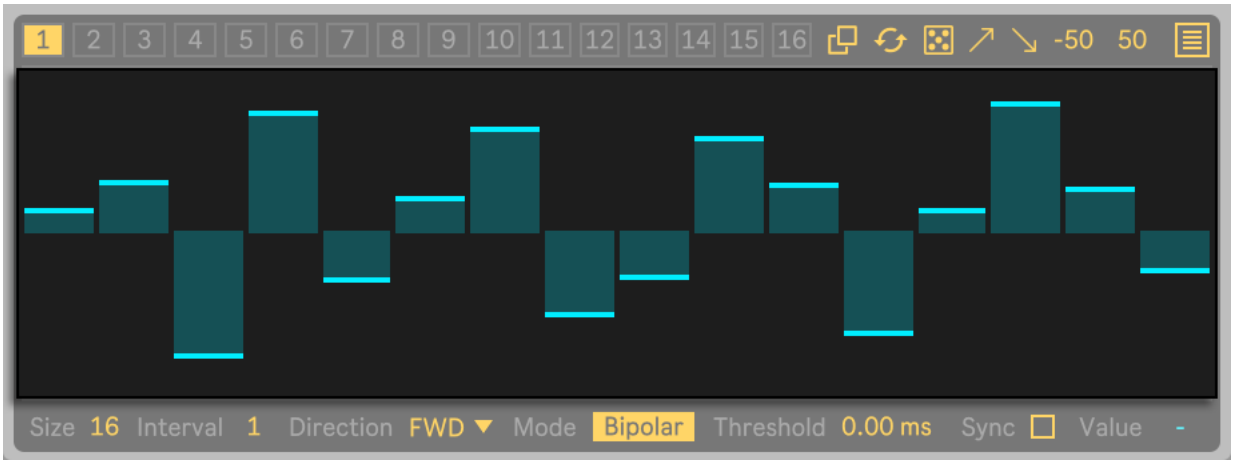
- MKT Mapper.amxd
- MKT Mapper 2.amxd

The differences between the two versions are detailed later in this manual. The first is designed for use in versions of Live prior to Live 12, although it can also be used in that version. The second only works in Live version 12.

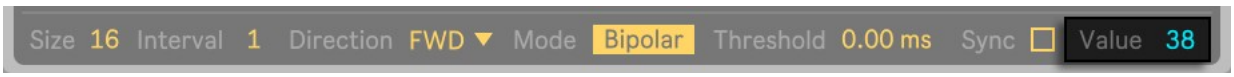
Controls

2.1 Multislider

The multislider is the device's main control. It allows you to create a sequence of steps with different values that the device will use to control the parameters mapped to it.

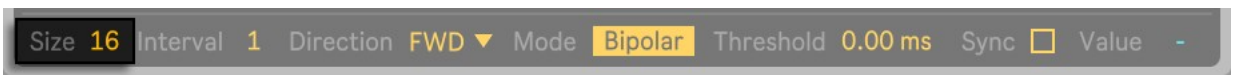


The device displays the value of the step being modified in the lower right corner, allowing for precise adjustment of each step. The image below shows the location of the value indicator.



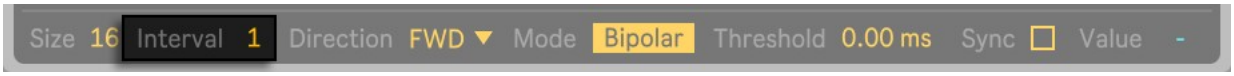
The following sections of this manual detail the controls that modify the properties and operation of the multislider, as well as interaction with MIDI note input.

2.2 Size



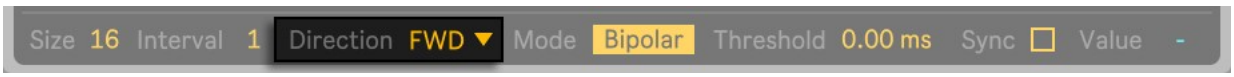
This control sets the number of steps in the multislider, up to a maximum of 64. Each time the device receives a MIDI note, it advances one step on the multislider and the step value is sent to the mapped parameters on the device.

2.3 Interval



By default, the device advances one step for each MIDI note or quantized chord received. Increasing the value of this control increases the number of MIDI notes the device must receive before advancing one step, up to a maximum of 64.

2.4 Direction



Once the last step of the multislider is reached, the sequence restarts from the first step. This control allows you to change the direction of the step sequence between the following modes:

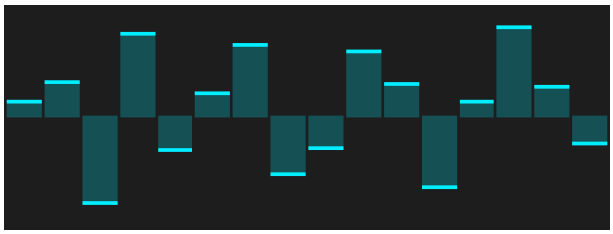
- Forward.
- Back.
- Back and Forward.
- Rotate.
- Random.

2.5 Mode

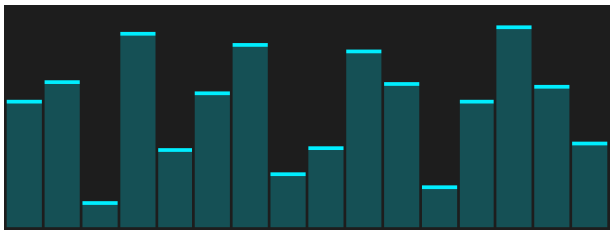
The device has two operating modes: Bipolar and Slider.

Bipolar mode displays step values in a range from -50 to 50, with 0 (the center value) being the default step position. This mode is designed to control parameters such as panning or others where the default position is the center.

Slider mode displays step values in a range from 0 to 100, with 0 (the minimum value) being the default position. This mode is designed to control more common parameters such as volume, filter cutoff, etc.



Bipolor mode



Slider mode

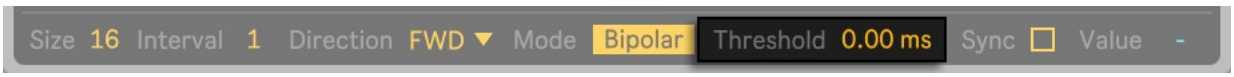
MKT Mapper versions 1 and 2 use these two modes differently.

Version 2, which features the mapping modulation introduced in Live 12, uses both modes primarily to display the multislider differently. This helps with workflow but has no effect on how the mappings behave.

In version 1, which doesn't feature mapping modulation, both modes modify how the mappings behave. Slider mode behaves like Live's remote-style mapping. Bipolar mode, on the other hand, allows control of mapped parameters similar to Live 12's modulation mapping, but is compatible with previous versions (Live 10 and 11).

The operation of the mappings in both modes is detailed later in this manual.

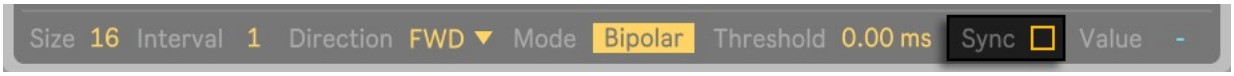
2.6 Threshold



This control sets the threshold for detecting MIDI note input. It can be increased to detect unquantized chords as a single input. This way, the unquantized chord advances only one step in the sequence.

The time set in this control also delays the activation of the steps, which can produce an undesirable effect depending on the parameter being mapped. It is recommended to use low threshold values.

2.7 Sync



When this control is enabled, the sequence starts from the first step when Live's transport is activated. In other words, a retrigger every time play is pressed in Live. The first time this control is turned on, it has no effect until Live's transport has been stopped at least once.

2.8 Presets

It is possible to create up to 16 different presets. Each preset stores the values of the following controls: Multislider, Size, Interval and Direction. It is possible to change presets manually or using automation. The selector at the top left, used to change presets, displays a different color when changes have been made.

Unmodified preset (saved)

Modified preset (not saved)

Presets are saved by clicking on the preset slot or automatically when switching to another preset. Keep this in mind: if you save the project without saving the preset, it won't be available when you reopen the project.

2.8.1 Copy Preset

Use this control to copy the current preset to another preset slot. When activated, it changes the color of the preset selector to indicate that it is in the process of copying a preset. To cancel the copy process, press this control again.

Preset copy in progress

2.8.2 Reset Preset

This control returns all steps of the multislider to their default position depending on the selected mode, Bipolar or Slider.

2.9 Generators

It is possible to generate sequences of steps with a single click. There are three controls for generating sequences: random, ramp up, and ramp down. And it is possible to specify the range of values in which they will be generated.

Depending on the selected mode, the range can be set between -50 and 50 for Bipolar mode, and between 0 and 100 for Slider mode.

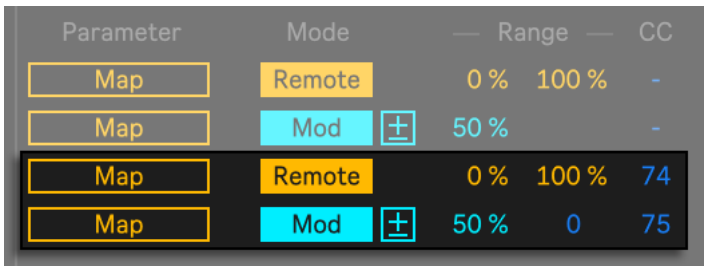
Generators (Bipolar mode)

Generators (Slider mode)

Mappings

3.1 Version 2

The MKT Mapper version 2 mapping system works the same way as on Live 12 devices like the LFO device. The Mode switch toggles between Modulation and Remote Control. Depending on the selected mode, different controls are displayed to adjust the range of values sent to the mapped parameter.



An additional feature is the ability to send MIDI control changes. The control in the CC column sets the MIDI CC number sent by the device. When working in Modulation mode, an additional control is used to set the base value from which the modulation will be applied. A value of 0 corresponds to the center, -50 is the maximum left position, and 50 is the maximum right position.

3.2 Version 1

MKT Mapper version 1 was designed for use with versions prior to Live 12. The device's operating mode (Bipolar or Slider) modifies how the mapping range is adjusted.

In Slider mode, mappings operate in the traditional manner. The Range controls adjust the minimum and maximum values sent.

In Bipolar mode, the range is adjusted using the Depth and Offset controls. The Depth control sets the maximum value sent, while the Offset control shifts the center position of the parameter value. This allows control over the mapped parameter similar to Live 12's modulation mapping.