

BITWIG STUDIO CONTROLLER EXTENSION


Native Instruments
Maschine Mikro Mk3



Native Instruments Maschine Mikro Mk3

All Modes

1

Hold  and press various other buttons to access secondary functions.


2 Browser

Press BROWSER to open the browser for the selected track. Use the encoder to browse devices and presets, click the encoder to load the selected preset and close the browser.


3 Fixed Velocity

Press FIXED VEL to send a fixed velocity value when pressing pads. Hold FIXED VEL to adjust the value with the Touchstrip.


4 Volume

Press VOLUME to control the volume of the currently selected track with the encoder. Hold  while turning the encoder to fine adjust.

5 Shuffle + Accent

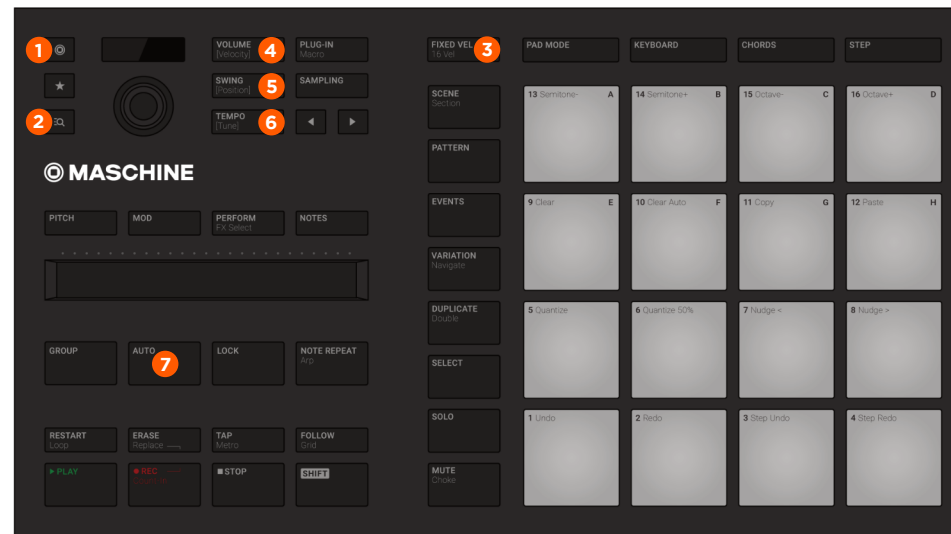
Press SWING to control the global Shuffle amount with the encoder, hold  while turning the encoder to control Accent value.

6 Tempo

Press TEMPO to adjust Tempo with the encoder, hold  while turning the encoder to fine adjust.

7 Automation Record

Press AUTO to toggle Clip Launcher Automation Write. Hold  and press AUTO to toggle Arranger Automation Write.



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8 Play

Press PLAY to start the transport in Bitwig Studio.

9 Record

Press REC to record a new clip or overdub an existing clip (Launcher*).
Hold Ⓢ and press REC to toggle Launcher Overdub (Launcher*).

Press REC to start recording (Arranger*).
Hold Ⓢ and press REC to toggle Arranger Overdub (Arranger*).

**Launcher or Arranger focus can be selected in the Controller Status Section (see last page)*

10 Stop

Press STOP to stop the transport in Bitwig Studio. Hold Ⓢ and press STOP to stop all currently playing clips.

11 Loop

Hold Ⓢ and press RESTART to toggle the loop.

12 Tempo + Metronome

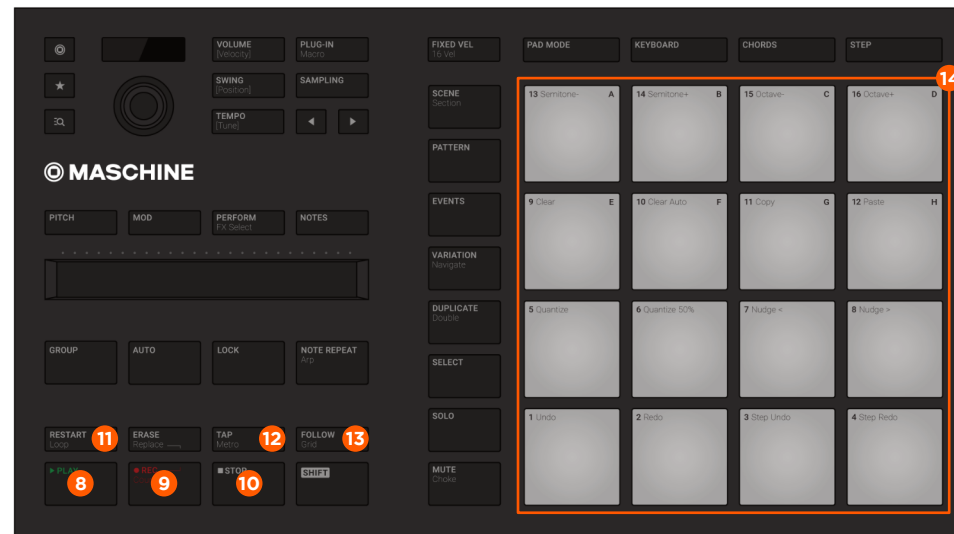
Press TAP to tap the tempo. Hold Ⓢ and press TAP to toggle the metronome.

13 Step Grid Resolution

Press (or temporarily hold) FOLLOW to change the Step Grid Resolution with the 8 bottom pads (red=triplets, white= straight notes).

14 DAW Shortcuts

Hold Ⓢ and press a pad to use various functions like Undo, Redo, etc.



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Track Select Mode

1 Track Select Mode

Press (or temporarily hold) GROUP to enter Track Select Mode.

2 Track Select/Track Parameters

Turn the encoder to browse through tracks. Make sure pad 1-4 is not turned on.

If one of the Track Parameter pads (1-4) is activated, turn the encoder to change the selected parameter (Volume, Pan, or Sends).

3 Stop Clip

Hold LOCK and press pad 9-16 to stop currently playing clips on these tracks.

4 Solo

Press SOLO and use the upper 8 pads to solo one or more tracks. Press SOLO again to return to Track Select.

5 Mute

Press MUTE and use the upper 8 pads to mute one or more tracks. Press MUTE again to return to Track Select.

6 Track Select/Solo/Mute

Press one of the upper 8 pads to directly select a track.

If you need to access a track that is not part of that group of 8 tracks, use the encoder.

7 Track Parameters

Use pads 1-4 to assign the encoder to one of the following parameters: Volume, Pan, Send Level 1 or 2



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Device Control Mode

1 Device Control Mode

Press PLUG-IN to enter Device Control Mode. Press again to return to the previous mode.

Hold PLUG-IN to temporarily activate Device Control Mode, release the button to return to the previous mode.

2 Parameter/Remote Control Page

Turn the encoder to control various device parameters or to select a Remote Controls page.


3 Device Select

Use pads 9-13 to select a device of the device chain.

When no remote control parameter is selected (pad 1-8), the encoder can be used to browse through the Remote Controls pages.

Alternatively you could press the encoder and then use pads 9-13 to directly jump to one of the 8 Remote Controls pages.

4 Parameter Select

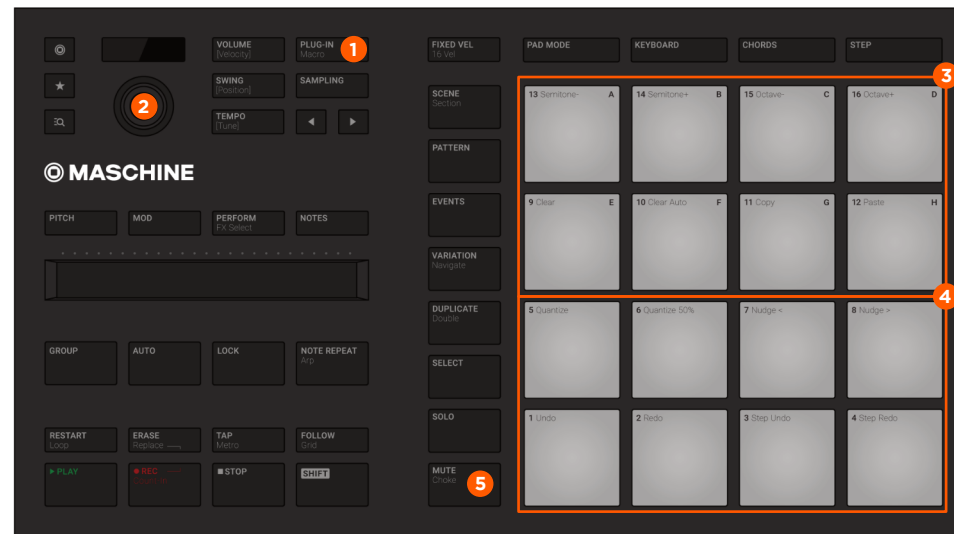
Use pads 1-8 to select a parameter of the currently selected remote controls page and turn the encoder to change it. Hold  to fine adjust.

Press the encoder to return the default value.

Press the same pad again to deselect a remote control (so the encoder can be used for browsing the pages again).

5 Enable/Disable Device

Hold MUTE and press pad 9-16 to enable or disable a device.



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Scene Mode

1 Scene Mode

Press SCENE to enter Scene Mode.

2 Progress Bar

The LEDs above the Touchstrip show the current playhead position within the scene.

3 ALT-Trigger

Hold VARIATION and press a pad to launch a scene with the alternative launch options.

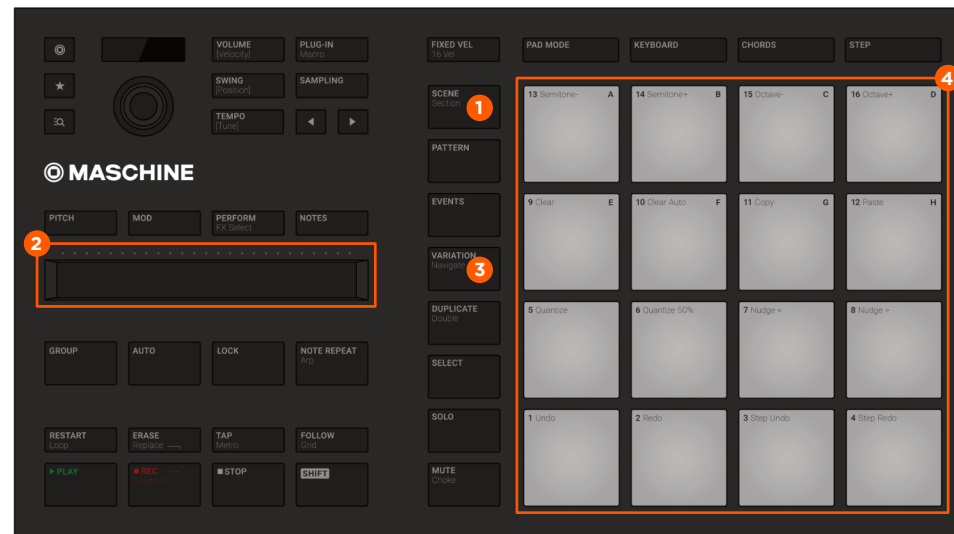
For more information about ALT-triggering see the Bitwig Studio user guide.

4 Scene Launch

Press a pad to launch a scene in the Clip Launcher.

Pad colors reflect the colors of the scenes in Bitwig Studio. A scene that is about to start will flash until playback starts.

Press an unlit pad to create a new scene.



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Clip Mode

1 Clip Mode

Press PATTERN to enter Clip Mode and control clips in the Launcher.

2 Focused Area

Turn the encoder to move the focused area up or down.

Hold Ⓢ and turn the encoder to move the focused area left or right.

3 Progress Bar

The LEDs above the Touchstrip show the current playhead position within the clip.

4 ALT-Trigger

Hold VARIATION and press a pad to launch a clip with the alternative launch options.

5 Copy/Create New Clip

Hold DUPLICATE and press a pad to copy a clip into the slot below.

Hold DUPLICATE and press an empty pad to create a new empty clip.

6 Select Clip

Hold SELECT and press a pad to focus a clip.

7 Delete Clip

Hold ERASE and press a pad to delete a clip.

8 Stop Clip

Hold LOCK and press a pad with a currently playing clip to stop that clip.

9 Clips

The pads display the currently focused area of 4x4 slots of the Clip Launcher. Use the encoder to move the focused area.

Press a pad to launch or record a clip, press a pad with an empty slot to stop the currently playing clip of that track..

The pad color reflects the color and status of the clip in Bitwig Studio:

- Clip color = stopped clip
- Green = playing clip
- Red = record ready clip
- Blinking = clip that is about to start
- Off = empty slot



Native Instruments Maschine Mikro Mk3

Drum Pad Mode

1 Pad Mode

Press PAD to enter note input mode for Drum Machine Instruments.

2 Transpose

Turn the encoder to transpose the 4x4 grid in steps of 4 semitones, so that you can access more than the default 16 drum instruments.

3 Touchstrip

Press PITCH and use the Touchstrip to send pitch bend messages.

Press MOD and use the Touchstrip to send modulation data (CC1).

Press NOTES and use the Touchstrip to send 16 note messages.

4 Sustain

Hold LOCK and play a pad to sustain the note (like a sustain pedal).

5 Note Repeat

Hold NOTE REPEAT and press a pad to continuously play notes in a certain interval.

Hold NOTE REPEAT and turn the encoder to select the repeat interval (or set it in the Controller Status Section).

6 Delete Notes

Hold ERASE and press a pad to delete all notes of that pitch.

7 Solo

Press SOLO and use the pads to solo one or more Drum Instruments. Press SOLO again to return to Track Select.

8 Mute

Press MUTE and use the pads to mute one or more Drum Instruments. Press MUTE again to return to Track Select.

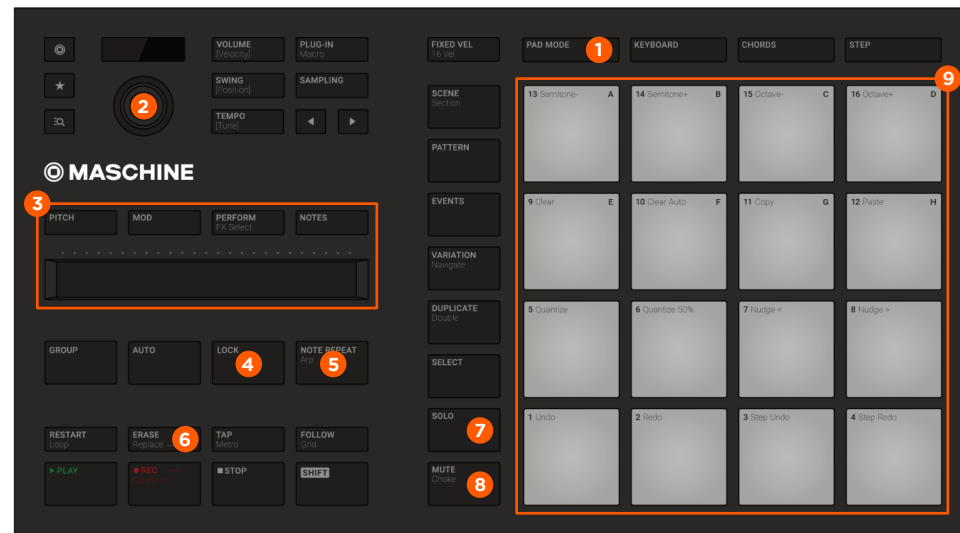
9 Pads

Press the pads to send note data to a Drum Maschine device.

The layout of the 4x4 pads and the chromatic scale matches the Drum Machine device in Bitwig Studio.

Pad colors match the colors of the Drum Instruments in Bitwig Studio. Pads that are triggered are shown in a brighter color.

When Solo is active, the pads are displayed in yellow, when Mute is active, the pads are displayed in orange.



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Keyboard Mode

1 Keyboard Mode

Press KEYBOARD to enter note input mode for instruments.

2 Transpose

Turn the encoder to transpose the 4x4 grid in steps of 4 notes, so that you can access a larger note range.

3 Touchstrip

Press PITCH and use the Touchstrip to send pitch bend messages.

Press MOD and use the Touchstrip to send modulation data (CC1).

Press NOTES and use the Touchstrip to send 16 note messages, based on the currently selected Scale/Root Note.

4 Sustain

Hold LOCK and play a pad to sustain the note (like a sustain pedal).

5 Note Repeat/Arpeggiator

Hold NOTE REPEAT and press a pad to continuously play notes in a certain interval.

Hold NOTE REPEAT and turn the encoder to select the interval (or set it in the Controller Status Section).

You can select the Arpeggiator mode in the Controller Status Section (see last page).

6 Delete Notes

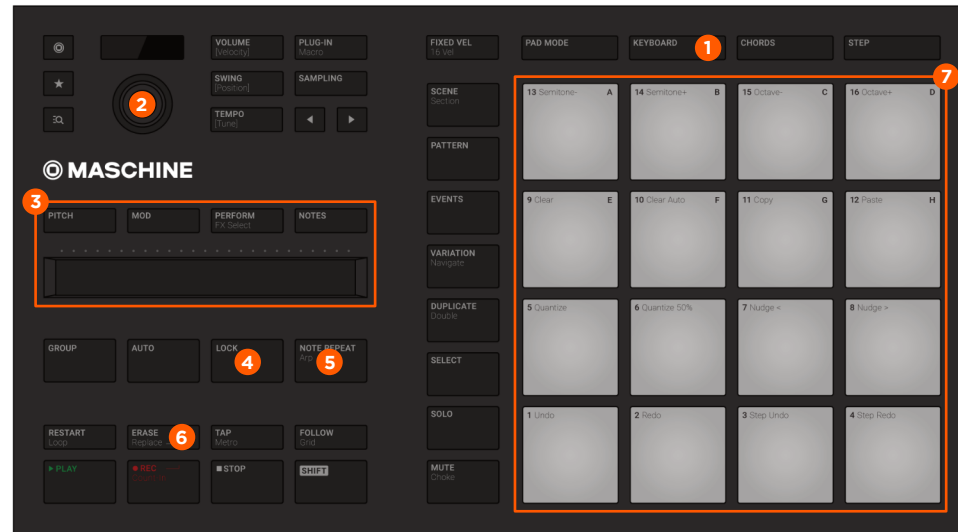
Hold ERASE and press a pad to delete all notes of that pitch.

7 Pads

Press the pads to send note data to an instrument.

You can select the Root Note and Note Scale of the pads in the Controller Status Section (see last page).

Pad colors match the colors of the instruments in Bitwig Studio, with Root Notes shown in green. Pads that are triggered are shown in a brighter color.



Native Instruments Maschine Mikro Mk3

Chord Mode

1 Chord Mode

Press CHORD to enter Chord Mode.

2 Save/Recall Chords

Press the encoder to save the chord settings in the currently opened Bitwig Studio project. A string of numbers will be shown in the Controller Status Section (see last page).

Hold MASCHINE and press the encoder to return to the last saved state.

3 Chord Recording

Press pad 13 to enter Chord Recording mode.

When activated, pad 1 changes to red, indicating it is awaiting note input. Play notes by either changing to Keyboard Mode and pressing pads or by playing notes on an external keyboard connected to Bitwig Studio.

When no note is held anymore, the chord is saved, indicated by the green color of pad 1, and pad 2 changes to red, awaiting note input. You can save up to 12 chords this way, and you can always stop by pressing pad 13 again.

To start Chord Recording on a different pad, press pad 13, then hold SELECT and press the pad you want to record the chord on.

Chords whose notes are not entirely in the currently selected scale will be shown in a different, slightly darker green.

4 Force to Scale

Press pad 16 to activate Force to Scale. When activated, the notes of a chord will be transposed up until they fit to the scale set in the Controller Status Section (see last page).

5 Chords

Press pad 1-12 to play a chord. You can select the scale and root note in the Controller Status Section (see last page).

To change a chord, hold a pad and turn the encoder. You can select a different chord for each of the 12 pads.

To change all 12 chords together, turn the encoder without holding any pad.

6 Sustain

Hold LOCK and press a pad to sustain the notes (like a sustain pedal).

7 Note Repeat/Arpeggiator

Hold NOTE REPEAT and press a pad to continuously play the notes of the chord in a certain interval.

Hold NOTE REPEAT and turn the encoder to select the interval (or set it in the Controller Status Section, see last page).



Native Instruments Maschine Mikro Mk3

Step Sequencer Mode

1 Step Sequencer Mode

Press STEP to enter Step Sequencer Mode.

2 Part Select

Turn the encoder to select the part of the clip you want to edit (if the clip has more than 16 steps).

3 Part Select/Expressions and Operators

Use the Touchstrip to select the part of the clip you want to edit (if the clip has more than 16 steps). Make sure that none of the four buttons above the Touchstrip is activated.

Use the Touchstrip to edit Note Expressions or Operator values of a note: Press one of the buttons above the Touchstrip, hold a pad and use the Touchstrip to change the value. You can also hold (and change) the Touchstrip and press various pads, one after the other, for faster editing.

The following Note Expressions and Operators are available:

Press PITCH to edit the **Timbre** Expression.

Hold Ⓒ and press PITCH to edit the **Pressure** Expression.

Press MOD to edit the **Chance** value of a note.

Press PERFORM to edit the **Repeat** value.

Press NOTES to edit the **Note Length**.

4 Note Select

Hold SELECT and press a pad to select a note you want to edit in the step sequencer.

5 Copy Clip/Double Length

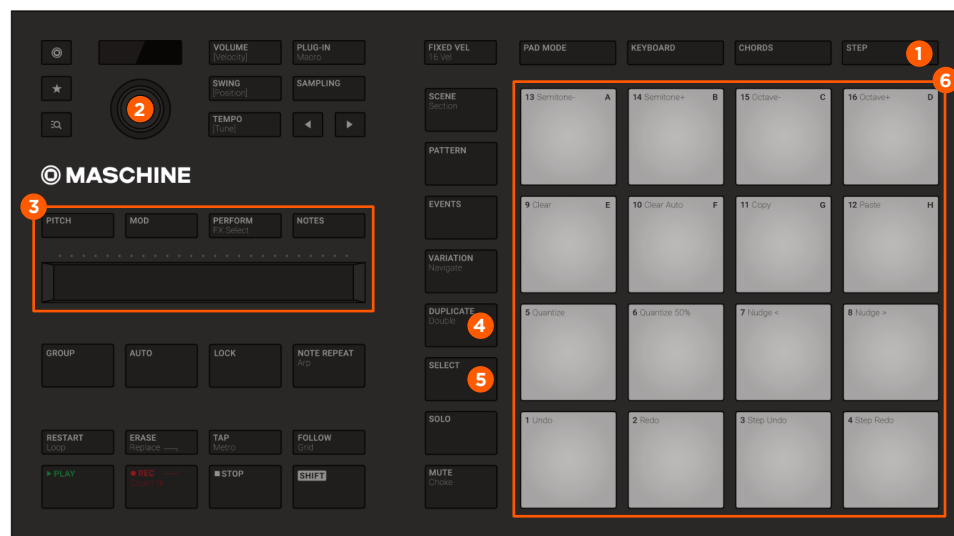
Press DUPLICATE to copy the currently selected clip into the slot below.

Hold Ⓒ and press DUPLICATE to double the length of the currently selected clip.

6 Pads

When the transport is playing, the pad of the current step position will light up. Press a pad to enter a note in the clip you are currently editing. The pad will light up in the color of the instrument track resp. the drum instrument. Press the pad again to delete the note.

Important: First select or create a new clip in Clip Mode. Before you start entering notes, you should also select the Step Grid Resolution in the Controller Status Section (see last page). The default value is 16, so all 16 pads are within one bar. If the clip is longer than one bar or the Step Grid Resolution is higher than 16, you can select the part of the clip you want to edit with the Touchstrip.



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Setup and Options

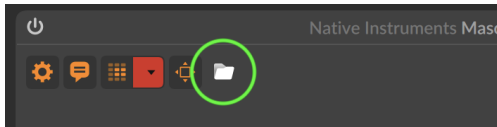
Setup

The Maschine Mikro Mk3 should be detected and set up automatically when it is connected. If you add the controller manually, make sure the correct MIDI ports are selected:

Mac/Windows:

In: Maschine Mikro MK3
Out: Maschine Mikro MK3

Important: To be able to use Maschine Mikro Mk3 with Bitwig, you have to load the Bitwig Preset into the NI Controller Editor. Go to Dashboard > Preferences > Controllers > Maschine Mikro Mk3 and click on the folder icon.



This will open an Explorer/Finder window with the preset file (Bitwig.ncmm3). Drag and drop this file onto the Controller Editor to load it.

Important: Make sure the NI Controller Editor is automatically loaded when you start your computer. Since the last preset is automatically loaded into Maschine Mikro Mk3, you don't have to open and load it manually each time.

Controller Status Section

When the Maschine Mikro Mk3 is recognized by Bitwig Studio, a small keyboard icon appears in the top right corner of the application window. Clicking on this icon will open the controller status window.

You can change the **Pad Scale** and **Base Note** in Keyboard or Chord Mode, the **ARP/Note Repeat Rate** and **Mode**, the **Step Grid Resolution**, and the **Record Button** focus.

