

BITWIG STUDIO CONTROLLER EXTENSION

# BITWIG **CONNECT 4/12**



# Overview/Transport Controls

This document gives you a brief overview of the controller functions of Bitwig Connect 4/12. For an in-depth explanation of all features of the audio interface, please read the Bitwig Connect 4/12 user guide which is available at [bitwig.com/get-connected](http://bitwig.com/get-connected)



## 1 Record/Arranger Automation Write

Press RECORD to activate recording in the Arranger timeline.

Hold  and press RECORD to toggle Arranger Automation Write.


## 2 Stop/Metronome

Press STOP to stop the transport of Bitwig Studio. If the transport is already stopped, press STOP again to set the playback start time to 1.1.1.00.

Hold  and press STOP to toggle the Metronome.

## 3 Play/Loop

Press PLAY to start/pause\* the transport of Bitwig Studio. Press again to stop the transport.

Hold  and press PLAY to toggle the Transport Loop.


## 4 Scroll/Zoom/Parameter Control

Depending on the currently selected mode, turning the center dial will move the play start marker, zoom the focussed window or control a selected parameter.

## 5 Scroll/Zoom Mode

Press the SCROLL button to enter Scroll/Zoom Mode.

## 6 Bitwig Mode/Secondary Functions

Press  to enter Bitwig Mode.

Hold  and press a transport key to activate their secondary function (Automation Write/Metronome/Loop).

*\*You can change the behavior of the Play button in the Controller Preferences (see last page).*



# Scroll/Zoom Mode

In Scroll/Zoom Mode, the center dial controls the position of the playback start marker or the horizontal zooming of the currently focussed window.

## Scrolling

To activate Scroll Mode, press the SCROLL mode button and turn the dial. Two or more ring LEDs will light up in turquoise and move around in sync with the movement of the dial.

Turn the center dial clockwise to move the playback start marker forward in the timeline, turn the dial counterclockwise to move the marker backwards. The number of lit up LEDs depends on the current zoom level of the timeline.



## Zooming

When Scroll Mode is already activated, press the SCROLL button again to switch to Zoom Mode. Two or more ring LEDs will light up in violet.

Turn the center dial clockwise to zoom in horizontally, or counterclockwise to zoom out horizontally.

The number of lit up LEDs will change depending on the current zoom level: the more you zoom out, the more LEDs will light up.



## Combined Scrolling and Zooming


It's also possible to combine scrolling and zooming with a special gesture.

When Scroll Mode is activated, double tap the dial and keep your finger on the dial. You will notice that the LEDs light up in violet. Turn the dial to temporarily zoom in or out. As soon as you release your fingers the dial will return to Scroll Mode.

# Bitwig Mode

In Bitwig Mode, the center dial becomes a universal MIDI controller. This allows you to control any parameter you see in Bitwig Studio instantly, without tedious manual mapping.


## Controlling Parameters

Press  to enter Bitwig Mode. Hover the mouse cursor over a parameter you wish to control and turn the center dial to instantly control it. You will notice that the LED ring shows the current value and color of the parameter as soon as you hover over it.





## Locking Parameters

If you want to dedicate the center dial to one parameter, you can “lock” the parameter by either

- double tapping the dial\*
- pressing  again
- right-clicking on the parameter and select "Center Dial" in the pop-up menu

The bottom ring LEDs will light up in white, indicating that lock is now activated. Additionally the locked parameter in Bitwig Studio will be highlighted in the color of the ring. You can continue to work with your mouse while still controlling the locked parameter.



If you want to lock the dial to another parameter, move the cursor over the parameter you wish to control and double tap the dial (or press  ) again. To unlock, simply double tap the dial (or press  ) again while the mouse cursor is not over a particular parameter.

*\*Double tap can be assigned in the controller preferences (see last page).*

## Resetting Parameters

Instead of locking a parameter you can assign double tap to reset a parameter.

Hover the mouse cursor over a parameter you wish to reset and double tap the center dial. The parameter will be reset to its default value.

## Touch Automation Mode

If you use the center dial to enter automation data, the preferred mode for this is Touch Automation mode. If Touch is activated, automation data will only be written when you are touching the dial. When you release the dial, existing automation data will not be overwritten. This method works particularly well when you want to adjust existing automation data.

To activate Touch Automation mode, open the PLAY menu in Bitwig Studio and select Touch in the Arranger Automation Write section.



# Setup and Options

## Setup

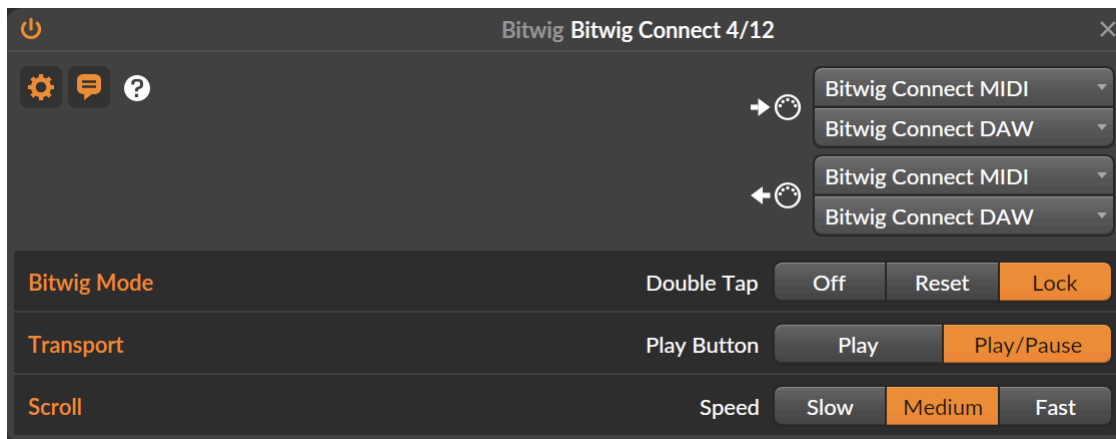
Bitwig Connect 4/12 should be detected and set up automatically when it is connected. If you add the controller manually, make sure the correct MIDI ports are selected in the correct order.

## Mac/Linux

In 1: Bitwig Connect MIDI  
In 2: Bitwig Connect DAW  
Out 1: Bitwig Connect MIDI  
Out 2: Bitwig Connect DAW

## Windows:

In 1: Bitwig Connect  
In 2: Bitwig Connect Control  
Out 1: Bitwig Connect  
Out 2: Bitwig Connect Control



## Bitwig Mode

You can select between three different double tap options:

- **Off** deactivates any double tap actions
- **Reset** will reset a parameter to its default value when you double tap it
- **Lock** will lock a parameter to the center dial

## Transport

You can change the behavior of the Play button:

- **Play** will start or stop the transport, keeping the play start marker at its original position
- **Play/Pause** will start or pause the transport, moving the play start marker to the position where playback was paused

## Scroll

You can select the scroll speed of the playback start marker in Scroll Mode:

- **Slow**
- **Medium**
- **Fast**

