

BITWIG STUDIO CONTROLLER EXTENSION

Allen & Heath

Xone:K3



All Modes

This document gives you a brief overview of the functions of the Allen & Heath Xone:K3 with Bitwig Studio. For an explanation of all controller functions, please read the Xone:K3 user guide provided by Allen & Heath.

1 Assignable Encoders

The four encoders with push buttons are freely assignable to any parameter in Bitwig Studio.

2 Track Indicator/Level Meter

The LEDs show the colors of the currently focussed tracks and will also act as a level meter.

The LED of the currently selected track will light in bright white.

Mode Selection

The twelve knobs and buttons in the upper section of the Xone:K3 can be switched between six different operating modes. A detailed explanation of these modes can be found on the following pages.

3 Select Mode 1-3

Hold LAYER and press a button to select one of the 4-channel modes (from left to right):

- Mixer
- Track Remotes
- DJ EQ

4 Select Mode 4-6

Hold LAYER and press a button to select one of the Remote Control modes (from left to right):

- Device Remotes
- Track Remotes
- Project Remotes

5 Clip Launcher Overdub

Hold LAYER and press the button to toggle Overdub in the Clip Launcher.

6 Record

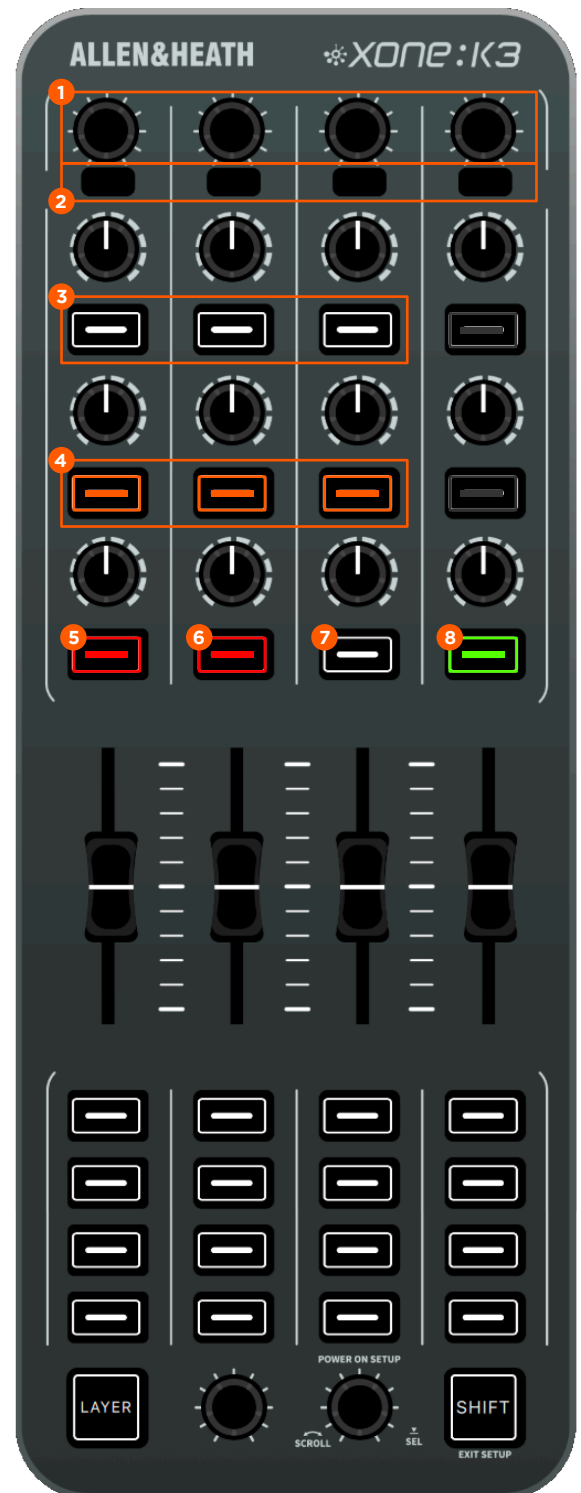
Hold LAYER and press the button to start or stop recording in the Arranger.

7 Stop

Hold LAYER and press the button to stop the transport.

8 Play

Hold LAYER and press the button to start the transport.



All Modes

9 Track Volume

The four faders control the volume of the currently focussed group of four tracks.

10 Clip Control

Press the buttons to trigger clips in the Clip Launcher of Bitwig Studio.

Hold SHIFT and press the buttons to ALT-trigger clips.

11 Scene Control

Hold LAYER and press a button in the first column to trigger a scene.

12 Stop All Clips

Hold LAYER and press the button to stop all currently playing clips.

Hold LAYER and SHIFT and press a button in the first column to ALT-trigger a scene.

13 LAYER Modifier Key

14 Track Select/Tempo

Turn the encoder to select a track.

Push down and turn the encoder to change the tempo in 0.1 BPM increments.

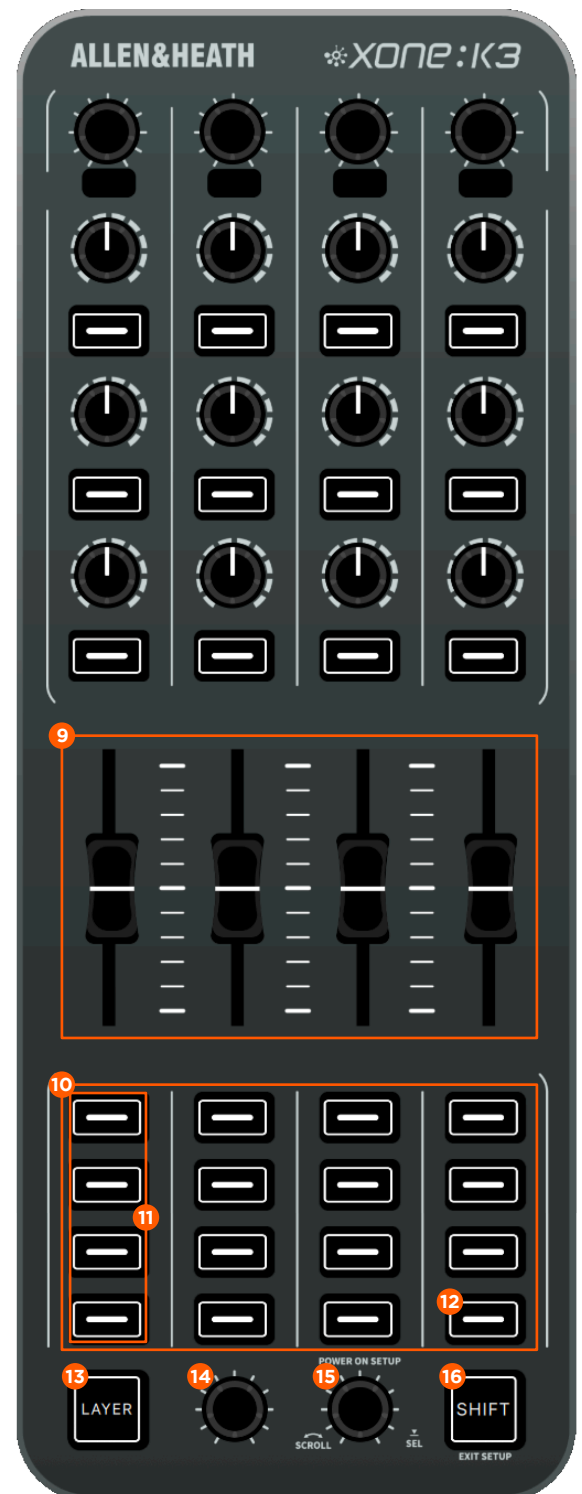
Hold SHIFT and push down and turn the encoder to change the tempo in 1.0 BPM increments.

15 Navigate Clip Launcher

Turn the encoder to move the 4x4 focus area in the Clip Launcher horizontally.

Push down the encoder and turn it to move the 4x4 focus area in the Clip Launcher vertically.

16 SHIFT Modifier Key



4-Channel Modes

In Modes 1-3 the knobs and buttons in the upper section of the Xone:K3 control the same six parameters for each of the four channels.

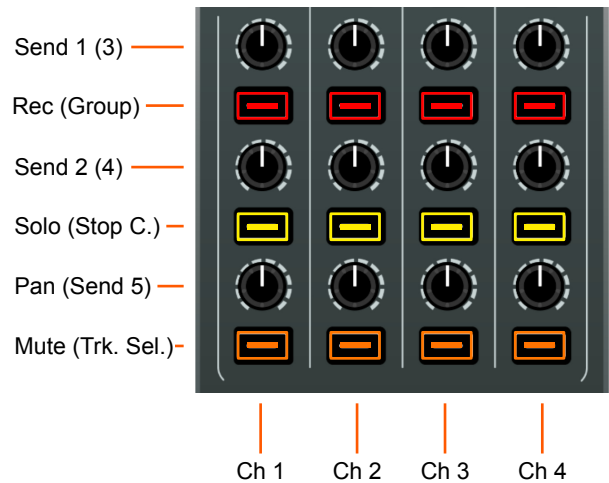
1 Mixer Mode

Mixer Mode lets you control mix parameters of the four currently focussed tracks:

- Mute
- Solo
- Record Enable
- Send 1
- Send 2
- Pan

Hold SHIFT and turn the knobs to control Send 3-5.

Hold SHIFT and press a button in the top row to fold or unfold group tracks, in the middle row to stop a clip, or in the lower row to select a track.



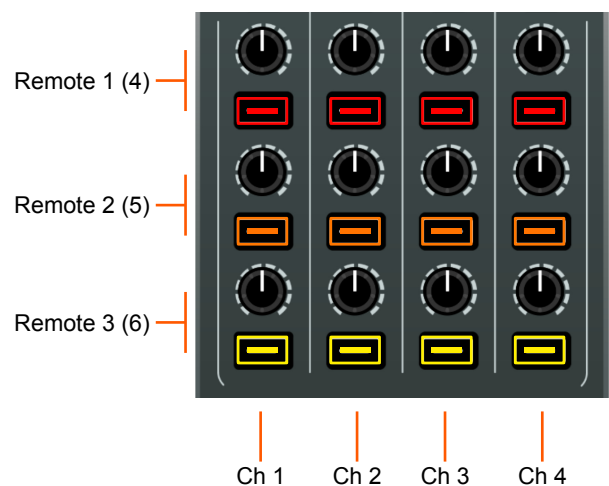
2 Track Remotes Mode

Track Remotes Mode lets you control the Track Remote Controls 1-3 of the four currently focussed tracks.

Hold SHIFT and turn the knobs to control Track Remote Controls 4-6.

This Mode is useful when you work in the Mix View of Bitwig Studio and Track Remotes are shown in the Mixer. Both the knobs and the buttons below are assigned to the same Track Remotes, letting you choose between a rotary or a switch behavior.

If no Track Remotes are assigned yet, the buttons will be dimmed.

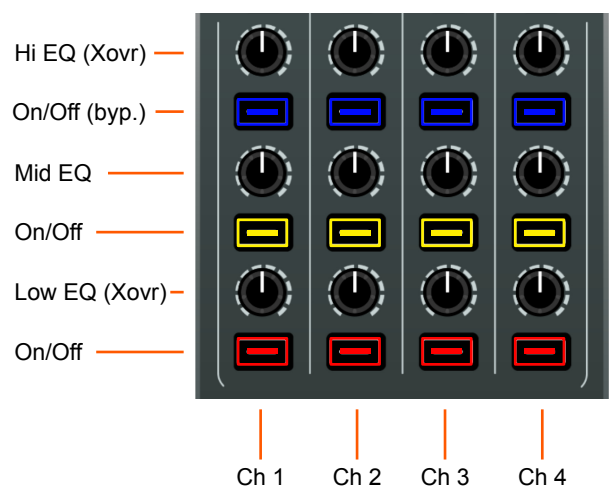


3 DJ EQ Mode

DJ EQ Mode lets you control the DJ EQ of the four currently focussed tracks (if there are DJ EQ devices present).

If the upper button is lit up in white (indicating no DJ EQ device present), press that button to add a DJ EQ as the last device of the device chain.

Hold SHIFT and press the top button to bypass the DJ EQ; hold SHIFT and turn the upper and lower knob to adjust the crossover frequency.



Remote Control Modes

In Modes 4-6 the knobs and buttons in the upper section of the Xone:K3 control various Remote Controls in Bitwig Studio.

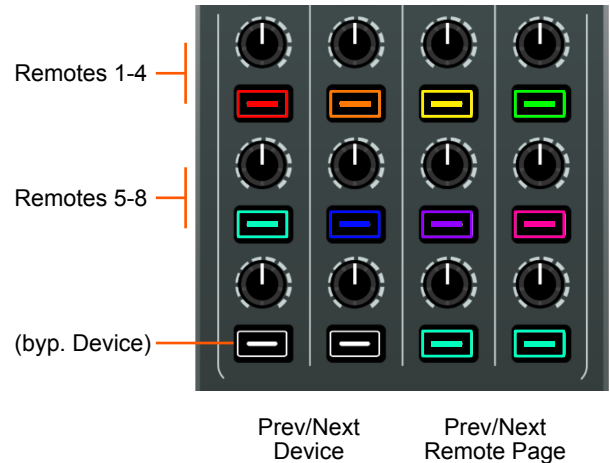
4 Device Remotes Mode

Device Remotes Mode lets you control the Remote Controls of the currently selected device.

Both the knobs and the buttons below are assigned to the same Track Remotes, letting you choose between a rotary or a switch behavior.

You can navigate devices and Remote Control pages with the buttons in the bottom row.

Hold SHIFT and press the bottom left button to bypass the currently selected device.

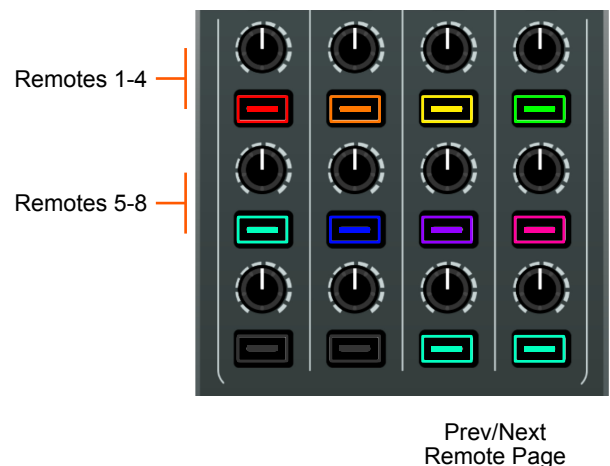


5 Track Remotes Mode

Track Remotes Mode lets you control the Remote Controls of the currently selected track.

Both the knobs and the buttons below are assigned to the same Track Remotes, letting you choose between a rotary or a switch behavior.

You can navigate Remote Control pages with the buttons in the bottom row.

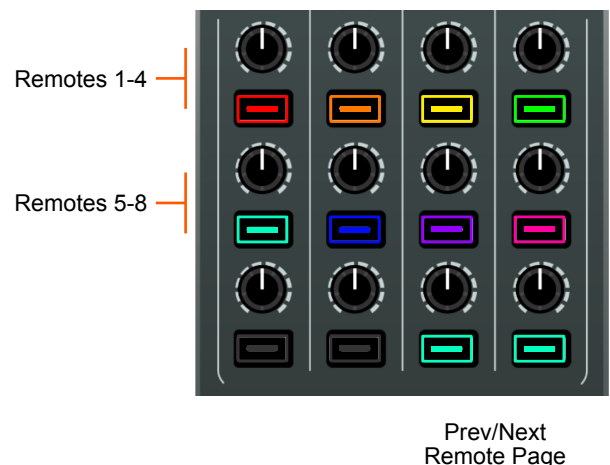


6 Project Remotes Mode

Project Remotes Mode lets you control the Remote Controls of the currently opened project.

Both the knobs and the buttons below are assigned to the same Project Remotes, letting you choose between a rotary or a switch behavior.

You can navigate Remote Control pages with the buttons in the bottom row.



Setup and Options

Setup

The Xone:K3 should be detected and set up automatically when it is connected. If you add the device manually, make sure the correct MIDI ports are selected.

Mac/Windows:

In: XONE:K3
Out: XONE:K3

Linux:

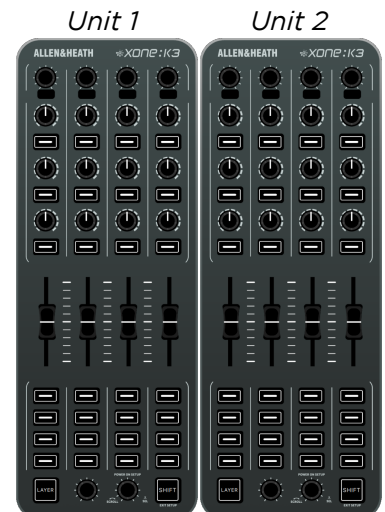
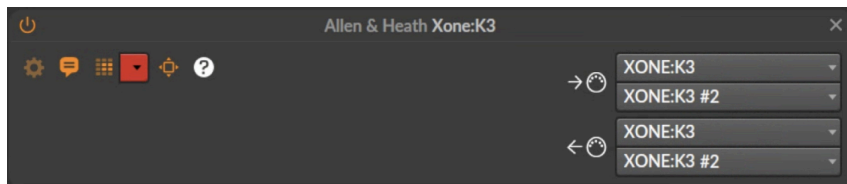
In: XONE:K3 MIDI 1
Out: XONE:K3 MIDI 1

Using Two Xone:K3 Simultaneously

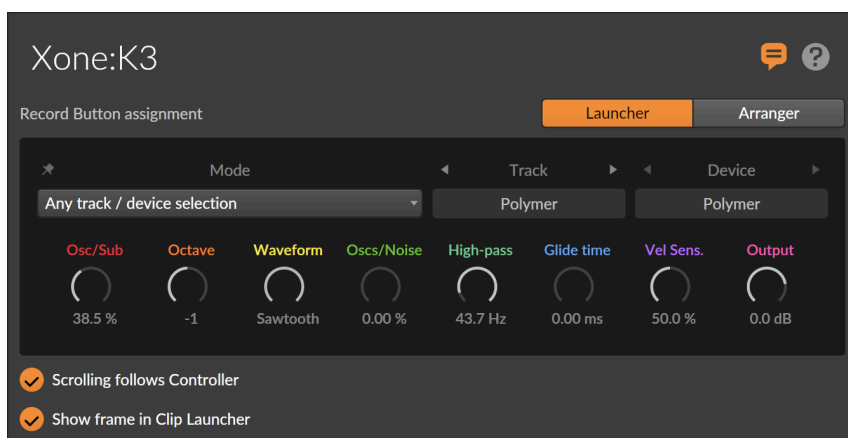
Two Xone:K3 units can be used simultaneously, allowing you to use the volume faders, Clip Launcher button matrix and Modes 1-3 to control 8 channels. The Remote Control Modes (4-6) will be available on the first unit only.

Dual Unit Setup:

- Connect two Xone:K3 units to your computer. The one on the left is *Unit 1*, the one on the right is *Unit 2*
- In Bitwig Studio, open the Dashboard, navigate to Settings > Controller and delete the *Xone:K3* entry (if present)
- Click on *Add Controller* on the bottom of the page and add *Allen & Heath > Xone:K3 x2*
- In the MIDI ports choosers, select the ports of *Unit 1* in the top entry, the ports of *Unit 2* in the bottom entry



Controller Status Window



In the middle section the current knob assignment is shown. Pressing one of the pin icons lets you permanently assign the controls to certain parameters. For more information please read the Bitwig Studio user guide.