

BITWIG STUDIO CONTROLLER EXTENSION

# iCON PRO AUDIO

## **P1-Nano**



# All Modes

This document gives you a brief overview of the functions of the iCON P1-Nano with Bitwig Studio. For an in-depth explanation of all controller functions, please read the P1-Nano user guide provided by iCON.

## 1 Track Controls

The fader controls the track volume or other parameters when the Flip button is engaged.

Press MUTE to mute the track.

Press SOLO to solo the track.

Press RECORD to record enable the track.

Press the UP or DOWN arrow key to scroll through different parameter pages on the OLED.

## 2 V-Pots

Eight encoders with push function control various parameters depending on the current mode.

## 3 DAW Layer

Select the DAW layer you assigned to Bitwig Studio.

## 4 Function Layer

Select a function layer for the touchscreen buttons.

## 5 Touchscreen Buttons

The 16 buttons on each of the five function layers execute various DAW commands.

*In this document only the factory mappings are described. However, all touchscreen buttons are fully user assignable. Please see last page on how to load the factory mappings.*

## Assignable Commands

For the following DAW commands additional parameters are available in a sub menu which is displayed on the (optional) OLEDs. Press and hold the touchscreen button assigned to a command to access these parameters. To change the value turn or press the encoder.

**Click** (Pre-Roll, Volume, and Ticks)

**Tempo** (BPM and Tap Tempo)

**Zoom** (Arranger, Detail Editor, Track Height (All), Track Height (Selected Track), Toggle Clip Launcher, Toggle FX Tracks, Toggle Arranger)

**Cue Marker** (Cue Marker 1-8)

**Groove** (Shuffle Rate, Amount, Accent Rate, Amount, Phase, and Fill)



# All Modes

## 6 Bank Select

Press |< or >| to shift the currently controlled bank of tracks by one track.

## 7 Bank Select

Press <<8 or 8>> to shift the currently controlled tracks in banks of eight.

## 8 Flip

Press FLIP to swap the assignment of the fader and first V-Pot.

## 9 Lock Faders

Press LOCK to lock the fader.

## 10 Automation

Press READ to write automation data in the arranger.

Press WRITE, LATCH, or TOUCH to toggle between these automation modes.

## 11 Transport Controls

Press << or >> to move the playhead by one beat.

Press LOOP to toggle loop mode. Press and hold LOOP to enter the loop sub menu (on the optional D5 OLED display) to adjust Loop Start and Length.

Press STOP, PLAY, or RECORD to control the transport section in Bitwig Studio.

## 12 Jog Wheel

Turn the Jog Wheel to move the playhead in the arranger.

## 13 Left/Right Keyboard Commands

Activate NAVI and turn the jog wheel to send LEFT/RIGHT keyboard commands (to select a different track in the mixer etc.)

## 14 Cursor Mode

Activate one of the MOVE buttons and turn the jog wheel to send cursor UP/DOWN and LEFT/RIGHT commands.

## 15 Master Fader Function

Press MASTER/ASSIGN to toggle the fader between controlling the selected track or the master track.

## 16 Focus Mode

Activate FOCUS and turn the jog wheel to send mouse scroll wheel commands.

## 17 Zoom Mode

Activate one of the ZOOM buttons and turn the jog wheel to zoom the arranger either vertically or horizontally.

## 18 Shift Functions

Hold SHIFT and press REC to toggle Arranger Overdub. Hold SHIFT and press OVERDUB to toggle Launcher Overdub. Hold SHIFT and press UNDO to redo.



# Pan Mode

## 1 Pan Mode

Press PAN on Function Layer 1 to enter Pan Mode. This is the default mode.

## 3/4 Track Select

Press LEFT or UP to select the previous track.  
Press RIGHT or DOWN to select the next track.

## 2 Pan Position

Use the V-Pots to control the pan position of the eight currently focussed tracks.

Press a V-Pot to center the pan position.



# Send Mode

## 1 Send Mode

Press SEND on Function Layer 1 to enter Send Mode.

Press and hold SEND and press a V-Pot to toggle a send between Auto, Pre, or Post.

## 2 Track View

Press TRACK VIEW to toggle Track View.

## 3 Send Levels

Use the V-Pots to control either the same send of the eight currently focussed tracks or all sends of one single track (when Track View is activated).

## 4 Track Select

Press LEFT or RIGHT to select the previous or next track.

## 5 Send Select

Press UP or DOWN to select the previous or next send (when Track View is deactivated).

Press UP or DOWN to select the previous or next group of 8 sends (when Track View is activated and if the track has more than 8 tracks).





# Device Mode

## 1 Device Mode

Press DEVICE on Function Layer 1 to enter Device Mode.

Press and hold DEVICE to open the Device sub menu (on the optional D5 OLED display). Press the V-Pots to bypass, pin, or remove a device, to move a device within a chain or to open the expanded device view.

## 2 Device Parameters

Use the V-Pots to control eight device parameters of the currently selected device and remote controls page.

## 3 Device Select

Press LEFT or RIGHT to select the previous or next device of a track.

## 4 Remote Controls Page Select

Press UP or DOWN to select the previous or next remote controls page of a device.



# EQ+ Mode

## 1 EQ+ Mode

Press EQ+ on Function Layer 1 to enter EQ+ Mode.

Press EQ+ again to add EQ+ on a track which does not contain an EQ+ device.

## 2 EQ+ Parameters

Use the V-Pots to control eight EQ+ parameters of the currently selected parameter page.

## 3 Track Select

Press LEFT or RIGHT to select the previous or next track.

## 4 EQ+ Page Select

Press UP or DOWN to select the previous or next EQ+ parameter page.



# Track/Project Remotes Mode

## 1 Track Remotes Mode

Press TRACK REMOTES on Function Layer 1 to enter Track Remotes Mode.

## 2 Project Remotes Mode

Press PROJECT REMOTES on Function Layer 1 to enter Project Remotes Mode.

## 3 Track/Project Remotes Parameter

Use the V-Pots to control eight parameters of the currently selected Track or Project remote controls page.

## 4 Track Select

Press LEFT or RIGHT to select the previous or next track.

## 5 Track/Project Remotes Page

Press UP or DOWN to select the previous or next Track/Project remote controls page.





# Setup

## Installation

Important: Make sure your P1-Nano firmware is version 1.21 or higher. Please go to [iconproaudio.com](https://iconproaudio.com) to install the latest firmware.

The P1-Nano should be detected and set up automatically on DAW Layer 1 when it is connected. If you add the controller manually, please execute the following steps:

- In Bitwig Studio, open the Dashboard, and navigate to Settings > Controllers
- Click on Add Controller at the bottom of the controller list
- Select iCON in the Hardware Vendor menu, then select P1-Nano in the Product list
- Select the appropriate MIDI input and output ports, depending on which DAW Layer you want to use for Bitwig Studio (see table below)

## DAW Layers and Port Names\*

	DAW Layer 1	DAW Layer 2	DAW Layer 3
<b>Windows</b>	iCON P1-Nano V1.21	MIDIIN2 (iCON P1-Nano V1.21) MIDIOUT2 (iCON P1-Nano V1.21)	MIDIIN3 (iCON P1-Nano V1.21) MIDIOUT3 (iCON P1-Nano V1.21)
<b>macOS</b>	iCON P1-Nano V1.21 Port 1	iCON P1-Nano V1.21 Port 2	iCON P1-Nano V1.21 Port 3
<b>Linux**</b>	iCON P1-Nano V1.21 MIDI 1	iCON P1-Nano V1.21 MIDI 2	iCON P1-Nano V1.21 MIDI 3

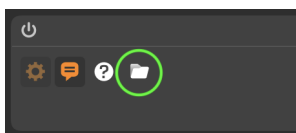
\* Firmware version number (1.21) is part of the port name and subject to change

\*\* P1-Nano works on Linux, but be aware you need to use iMap on macOS or Windows to load the mapping file (see below)

## DAW Preset Mapping File

Before you can use the P1-Nano with Bitwig Studio, you have to load the correct touch screen button mapping. This is done via the iMap application.

- In Bitwig Studio, open the Dashboard, and navigate to Settings > Controllers
- On the iCON P1-Nano entry, click on the folder button. This will open a file browser window that contains the file *Bitwig P1-Nano.imap*



- Download and install the latest iMap app from [iconproaudio.com](https://iconproaudio.com)
- Start the app and select the FUNCTION tab on the right side. Select DAW: 1) Bitwig
- Click on LOAD FILE on the bottom right and select the file *Bitwig P1-Nano.imap* from step 2
- Click on SAVE AS USER DEFAULT
- Restart Bitwig Studio