iCON PRO AUDIO
P1-M

BITWIG

All Modes

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

1 Track Controls
The eight faders control the track volume or other parameters when the Flip button is engaged.

Press RECORD to record enable a track.
Press SOLO to solo a track.
Press MUTE to mute a track.
Press SELECT to select a track.

Hold SHIFT and press the SELECT key of a group track to show/hide a group.

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)
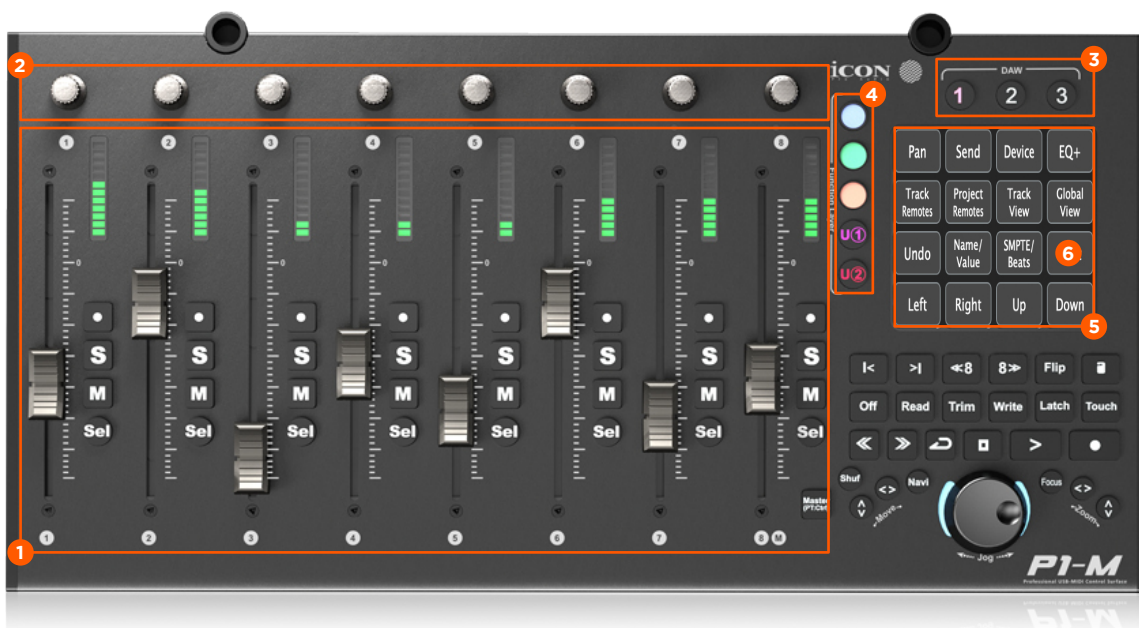**Tempo** (BPM and Tap Tempo)
Zoom (Arranger, Detail Editor, Track Height (All), Track Height (Selected Track), Toggle Clip Launcher, Toggle FX Tracks, Toggle Arranger)
Cue Marker (Cue Marker 1-8)
Groove (Shuffle Rate, Amount, Accent Rate, Amount, Phase, and Fill)

6 Shift Functions
Hold SHIFT and press REC to toggle Arranger Overdub. Hold SHIFT and press OVERDUB to togle Launcher Overdub. Hold SHIFT and press UNDO to redo.

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 faders and V-Pots.

9 Lock Faders
Press LOCK to lock the faders.

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 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 9th fader between controlling the master track or sending an assignable MIDI command.

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.

Pan Mode

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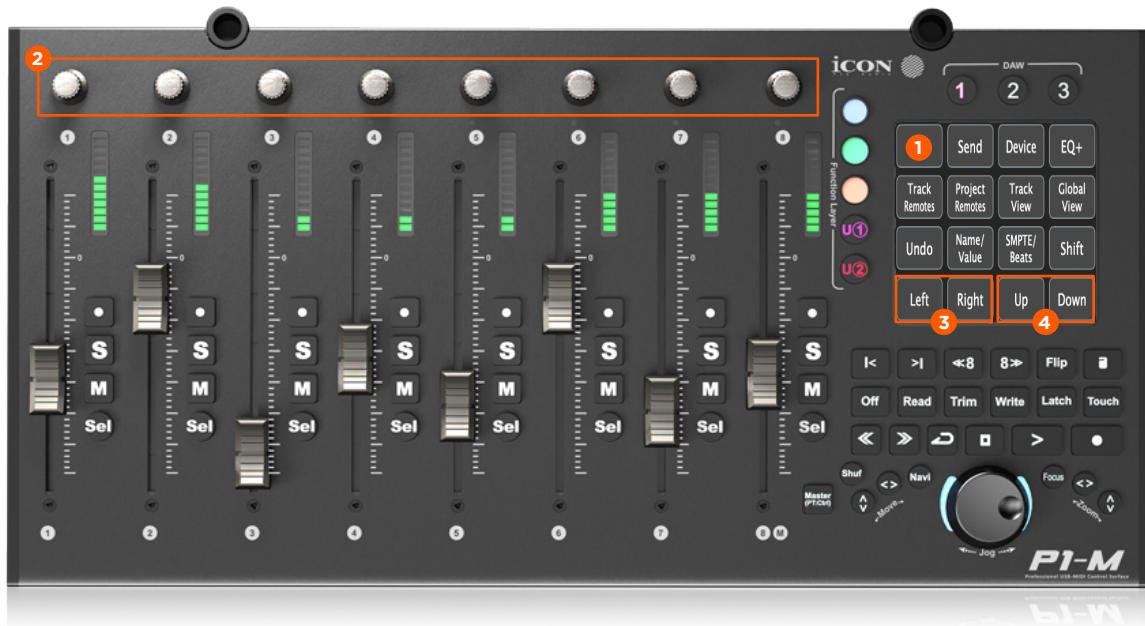Press PAN on Function Layer 1 to enter Pan
Mode. This is the default mode.

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).
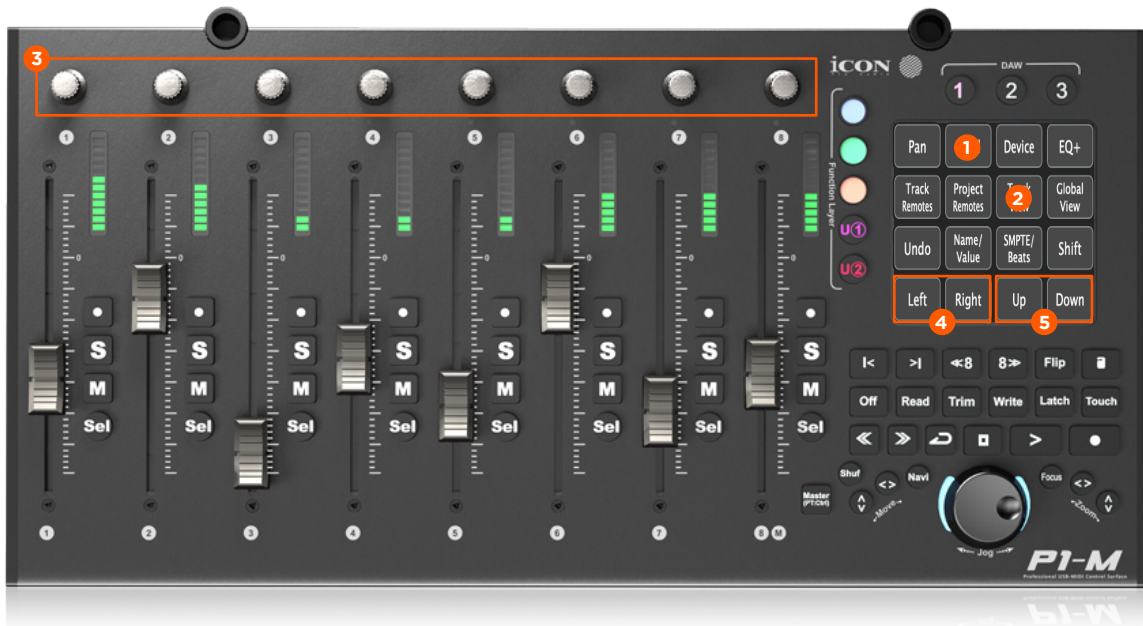
4 Track Select
Press LEFT or RIGHT to select the previous or next track.

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 OLEDs). 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.
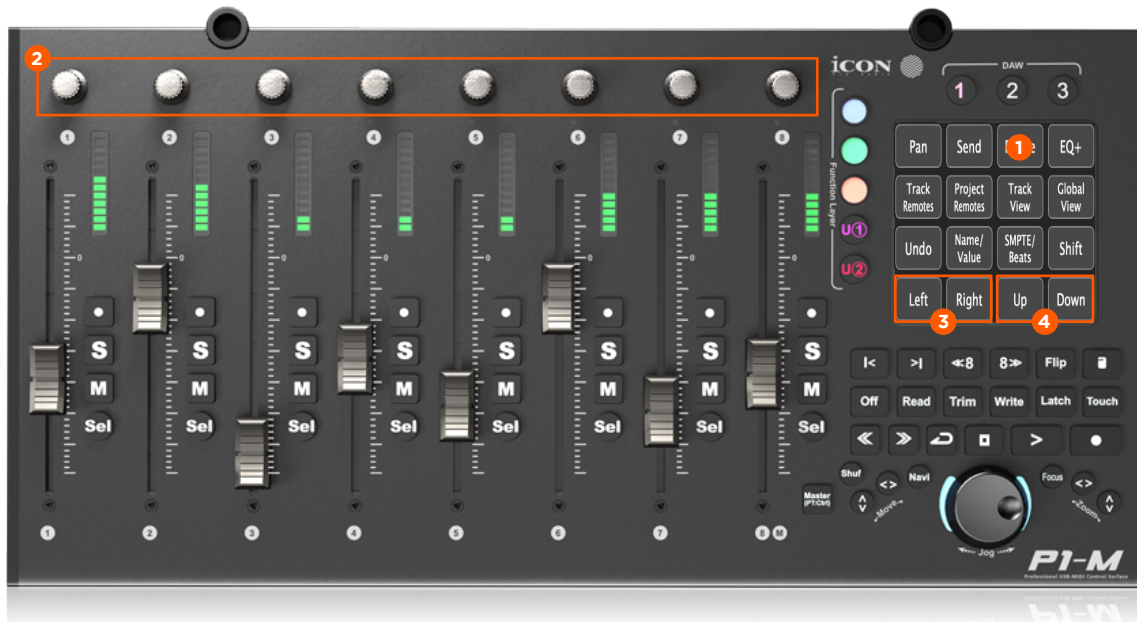
2 Device Parameters
Use the V-Pots to control eight device parameters of the currently selected device and remote controls page.

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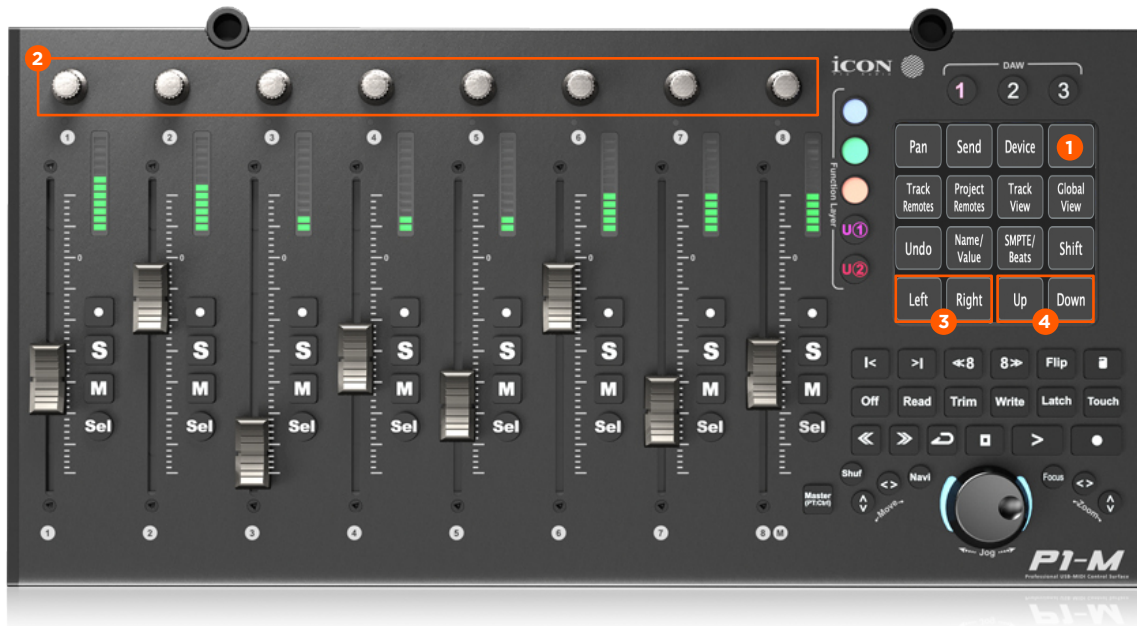
2 EQ+ Parameters
Use the V-Pots to control eight EQ+ parameters of the currently selected parameter page.

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.

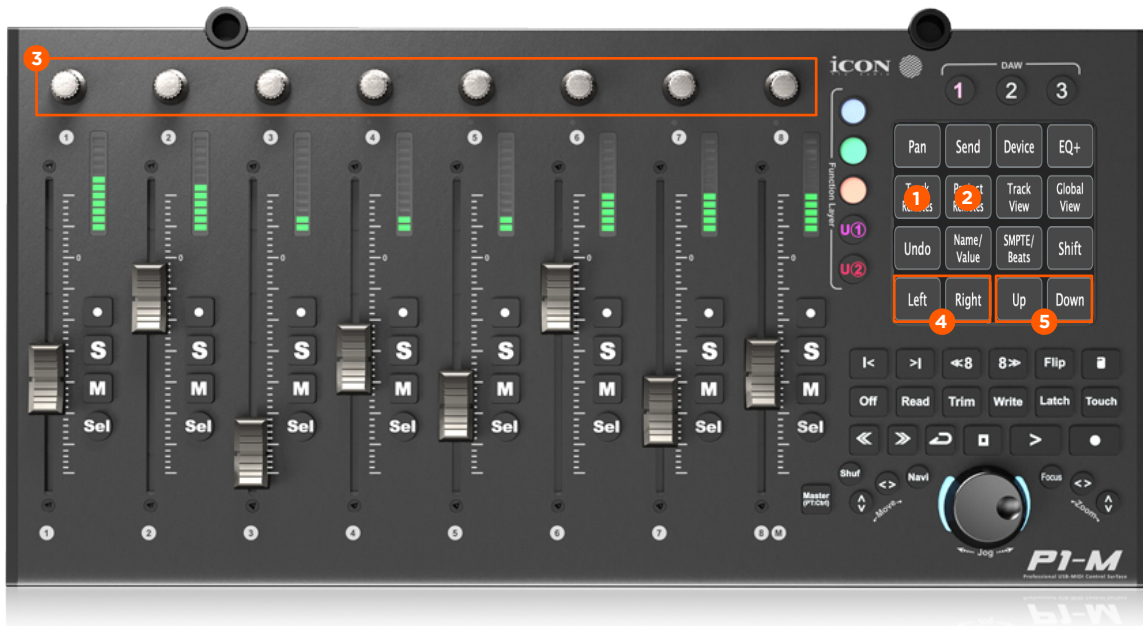**3 Track/Project Remotes Parameter**
Use the V-Pots to control eight parameters of the currently selected Track or Project remote controls page.

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.

Clip Launcher Mode

1 Clip Launcher Mode
Press CLIP LAUNCHER on Function **Layer 2** to enter Clip Launcher Mode.

2 Track Select
Press LEFT or RIGHT to select the previous or next track.
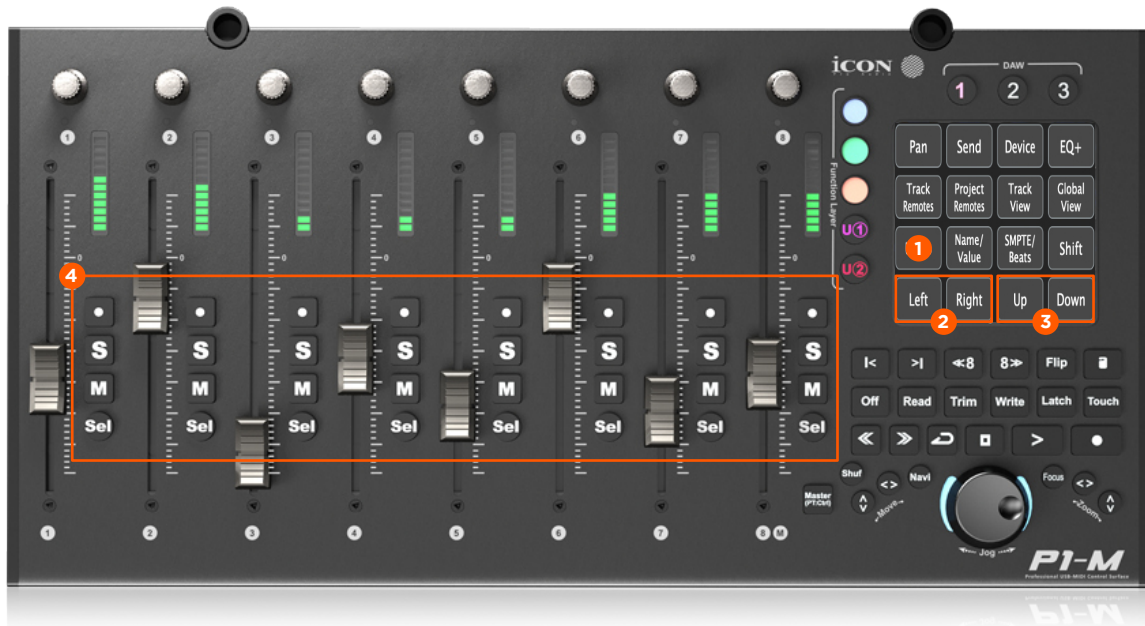
3 Move Clip Launcher Area
Press UP or DOWN to move the focussed area up or down.

4 Clip Control
The RECORD, SOLO, MUTE, and SELECT buttons form a 4x8 clip matrix, indicated by a colored frame in the Clip Launcher. Press a button to trigger a clip.

The button LEDs show the current status of the clips:

- White: Empty slot
- Colored: Clip is stopped
- Blinking: Clip is playing/will be played next

Setup

Installation

Important: Make sure your P1-M firmware is version 1.06 or higher. Please go to iconproaudio.com to install the latest firmware.

To set up the P1-M in Bitwig Studio, 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-M 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
Windows	iCON P1-M V1.06	MIDIIN2 (iCON P1-M V1.06) MIDIOUT2 (iCON P1-M V1.06)	MIDIIN3 (iCON P1-M V1.06) MIDIOUT3 (iCON P1-M V1.06)
macOS	iCON P1-M V1.06 Port 1	iCON P1-M V1.06 Port 2	iCON P1-M V1.06 Port 3
Linux**	iCON P1-M V1.06 MIDI 1	iCON P1-M V1.06 MIDI 2	iCON P1-M V1.06 MIDI 3

* Firmware version number (1.06) is part of the port name and subject to change
** P1-M works on Linux, but be aware you need to use iMap on macOS or Windows to load the mapping file (see below)
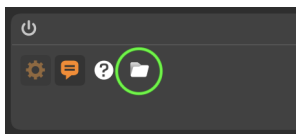
P1-X Extenders

If you plan to use one or more P1-X extenders, you have to set them up manually:

- In Bitwig Studio, open the Dashboard, and navigate to Settings > Controllers
- Delete any existing P1-M entry
- Click on Add Controller and select iCON > P1-M + 1/2/3 EXTENDERS. In the default configuration port number 1 (for DAW Layer 1) is used for both the P1-M and all extenders
- If you plan to use Bitwig Studio on DAW Layer 2 or 3, you need to change the MIDI ports accordingly. Extenders must use the same port number as the main P1-M unit

DAW Preset Mapping File

Before you can use the P1-M 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-M entry, click on the folder button. This will open a file browser window that contains the file *Bitwig P1-M.imap*

- Download and install the latest iMap app from 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-M.imap* from step 2
- Click on SAVE AS USER DEFAULT
- Restart Bitwig Studio