KLANG — MIDI Device Setup Guide

KLANG uses **KLANG Devices** to represent your real studio hardware — synths, MIDI-CV modules, controllers and other MIDI systems.

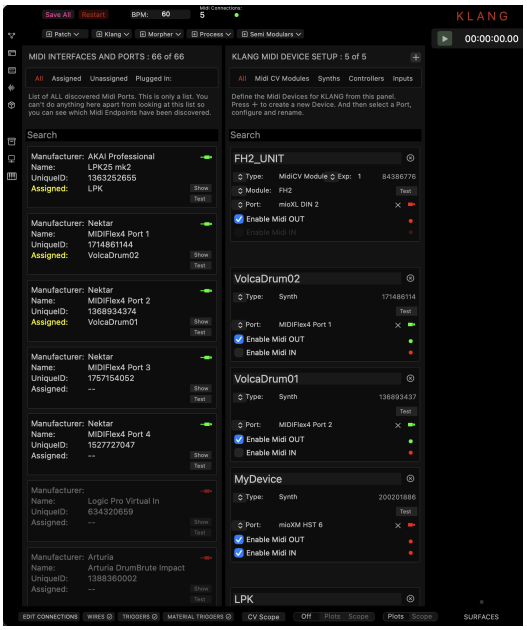
KLANG organises your hardware separately from the computer's changing MIDI ports, helping your setup remain consistent between sessions.

This allows you to:
- Keep hardware identifiable between sessions
- Stay connected even if USB devices or ports change
- Access higher-level features and settings
- Use your devices within KLANG processes and modulation systems

1. MIDI Ports and KLANG Devices

The **MIDI Endpoints** panel shows MIDI ports currently detected by macOS. The **KLANG Devices** panel contains your persistent studio devices.

To connect hardware into KLANG, drag a MIDI endpoint onto a KLANG Device.



MIDI Endpoints panel and KLANG Devices panel.

2. Device Categories

KLANG Devices are organised into categories to help manage different types of studio hardware.

All	Displays every configured KLANG Device in a single list.
MIDI-CV Modules	Hardware which converts MIDI into control voltage and gate signals for modular systems, such as the Expert Sleepers FH-2.
Synths	MIDI-controlled sound sources such as hardware synthesizers, drum machines and samplers.
Controllers	Devices used for performance and control input, including keyboards, pads, faders and MIDI control surfaces.
Inputs	MIDI input sources used to bring external performance or control data into KLANG systems.

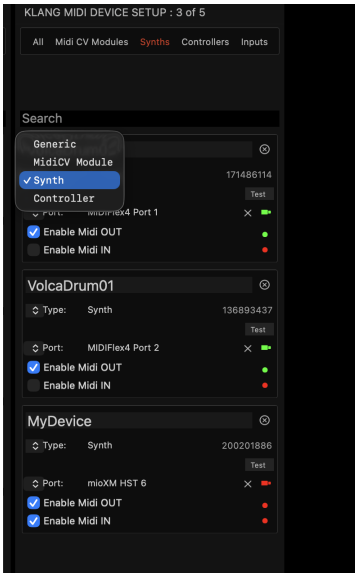
3. Naming Devices

Devices can be renamed directly inside the interface.

You may want to use the original hardware name, for example: **Volca Drum**, **Digitone**, **Peak** or **Hydrasynth**.

Or you can give devices names which reflect how you think about them inside your studio system, such as: **DRONE_SYSTEM**, **LEFT_RACK_FH2**, **GLITCH_SYNTH** or **TEXTURE_MACHINE**.

This can make larger hybrid setups easier to navigate and remember.

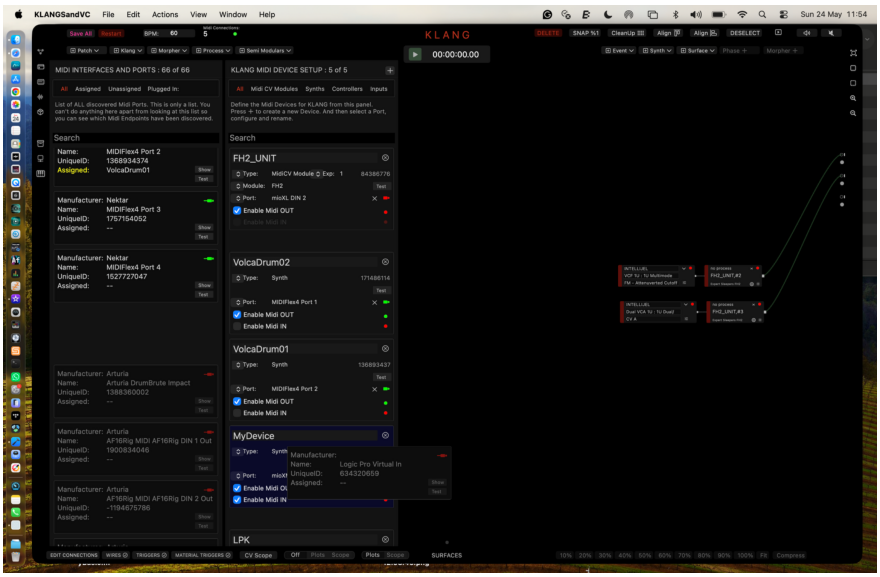


Inline editing of KLANG Device names and device types.

4. Drag and Drop Assignment

If a USB device changes port or reconnects differently, simply drag the newly detected MIDI endpoint back onto the existing KLANG Device.

This keeps your KLANG setup stable without rebuilding patches or routing.

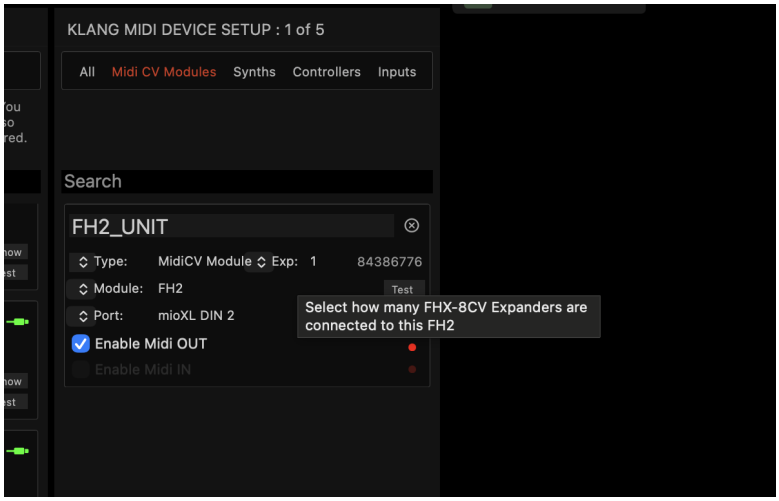


Dragging a discovered MIDI endpoint onto a KLANG Device.

5. MIDI-CV Module Configuration

Devices configured as **MIDI-CV Modules** expose additional configuration options.

For Expert Sleepers FH-2 systems, KLANG can configure: **module type**, **expansion count** and **generated CV output layout**.

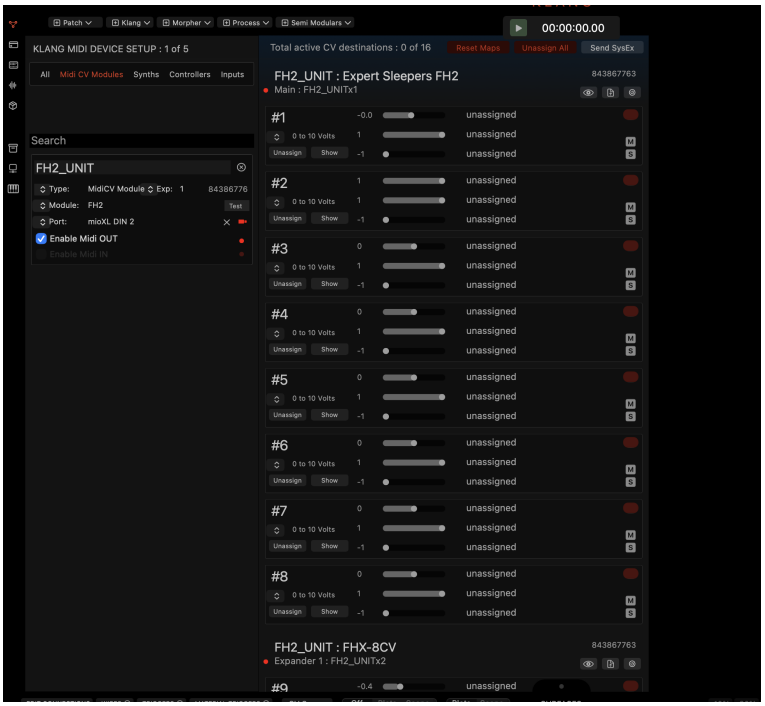


FH2 configuration including expansion support.

6. Generated CV Destinations

Once a MIDI-CV device is configured, KLANG automatically creates available CV destinations.

These destinations can later be assigned to KLANG systems, modulators and behavioural processes inside the canvas.

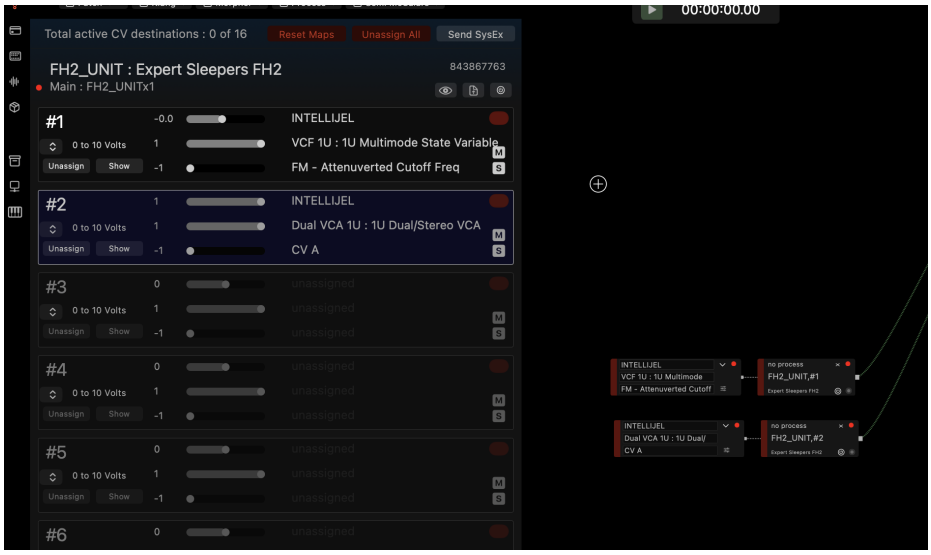


Generated CV destinations for an FH2 system with expansion.

7. Assigning CV Outputs to the Canvas

CV destinations can be dragged directly onto KLANG canvas modules.

Once connected, the CV destination panel updates automatically to display assigned outputs, connected module targets and active modulation routing.



Assigned CV outputs after drag and drop onto KLANG canvas modules.

Summary
KLANG Devices keep your studio hardware organised in a way that remains usable when MIDI ports, USB connections or studio configurations change.

This allows hybrid hardware systems to remain configurable, reconnectable and reusable across changing setups.