

OVERVIEW

Three MIDI paths, one Pattern Engine workflow

Use the fastest path for the hardware in front of you. All paths preserve the same core Pattern Engine actions.

01 / UNIVERSAL MIDI LEARN

Any MIDI controller

Learn one control at a time. Best for custom layouts, unusual hardware, or users who have already reprogrammed their controller.

- Works with notes and CCs
- User chooses every assignment
- Always available as the fallback

02 / QUICK PROFILES

9 popular controllers

Starter mappings for common DJ / producer controllers. Load a profile, then use Universal MIDI Learn if you want to customize it.

- Akai, Arturia, KORG, DJ TechTools
- Reloop NEON + Launch Control XL 3
- Input-first profiles; no risky proprietary LED assumptions

03 / NOVATION DEDICATED

Mini MK2 + MK3 + Launchpad X

Three hardware-specific Launchpad paths with the same physical 8x8 Pattern Engine action positions.

- Mini MK2: legacy red / green / amber LEDs
- Mini MK3 + X: RGB Programmer Mode
- Release + reconnect handled per model

UNIVERSAL REMAINS AVAILABLE

9 QUICK PROFILES

3 LAUNCHPAD PROFILES

QUICK PROFILES

Popular Controller Quick Profiles

Nine starter layouts keep the MIDI section useful without turning it into a hardware catalog.

CONTROLLER	PROFILE FOCUS	PRIMARY INPUT
Akai MPD218	16-pad starter map	Notes
Akai APC Mini	8x8 grid starter map	Notes
Akai APC Mini MK2	8x8 grid starter map	Notes
Akai LPD8 MK2	8 pads + knobs	Notes
DJ TechTools MIDI Fighter 3D	Performance buttons	Notes
Arturia BeatStep	Pads + encoder-friendly setup	Notes
KORG nanoPAD2	Pads / banks	Notes
Reloop NEON	Pads + Shift layer	Notes
Novation Launch Control XL 3	16 factory-mode buttons	CCs

RULE OF THUMB

Quick Profiles are starter maps. If a controller was reprogrammed by its owner, use Universal MIDI Learn instead of forcing a factory reset.

SHARED ACTION ORDER

The 16 standard Pattern Engine actions

Quick Profiles and dedicated Launchpad profiles are organized around the same core action vocabulary.

01 Play Audio Same action name across profiles	02 Metronome Same action name across profiles	03 Generate Same action name across profiles	04 Previous Same action name across profiles
05 Next Same action name across profiles	06 Save Same action name across profiles	07 Timing Same action name across profiles	08 Clean Same action name across profiles
09 Mutation - Same action name across profiles	10 Mutation + Same action name across profiles	11 BPM - Same action name across profiles	12 BPM + Same action name across profiles
13 Simple / Pro Same action name across profiles	14 Guided Practice Same action name across profiles	15 Library Same action name across profiles	16 Pattern View Same action name across profiles

WHY KEEP ONE ACTION VOCABULARY?
A DJ can move between a small pad controller, an 8x8 grid, or a dedicated Launchpad without learning a different Pattern Engine.

QUICK-PROFILE SETUP

Load a profile, test it, then customize only if needed

The Quick Profile path is intentionally simple: connect, load, verify, and fall back to MIDI Learn when hardware has been remapped.

1

Connect

Connect the controller by USB and open Pattern Engine in a Web MIDI-capable browser.

2

Open Pro > MIDI

Go to the MIDI Controller section. Universal MIDI Learn stays visible above the profile cards.

3

Load Profile

Choose the exact model card. Pattern Engine applies the known starter note / CC map.

4

Test Controls

Verify Play Audio, Metronome, Generate, Previous, Next, Save, Timing, and Clean first.

5

Customize if needed

If your hardware sends different messages, use Universal MIDI Learn rather than fighting the

IMPORTANT

Quick Profiles are input starter maps. The dedicated Novation Launchpad section below is where model-specific two-way LED behavior lives.

NOVATION DEDICATED MODE

Mini MK2, Mini MK3, and Launchpad X

Same physical 8x8 Pattern Engine positions; separate hardware protocols underneath.

LAUNCHPAD MINI MK2

LEGACY PROFILE

- 64-pad legacy grid
- Red / green / amber LED palette
- No Programmer Mode or SysEx required
- Pattern Engine translates old note layout
- Dedicated Release / reconnect handling

LAUNCHPAD MINI MK3

MODERN RGB

- 64 pads + RGB
- Programmer Mode
- Model-specific Novation SysEx
- Pixel Status Display + metronome LEDs
- Dedicated Release / reconnect handling

LAUNCHPAD X

MODERN RGB

- 64 velocity-sensitive pads
- RGB + Programmer Mode
- Model-specific Novation SysEx
- Pressure data not required for fixed actions
- Dedicated Release / reconnect handling

VALIDATION STATUS

Mini MK3 + Launchpad X: validated on real hardware.

Mini MK2: new v5.1.39 dedicated profile - verify against the physical controller before calling it fully validated.

TROUBLESHOOTING

Fast checks when a controller does not behave as expected

Start with the hardware path you selected, then work outward. Do not reset hardware unless the profile truly requires it.

MINI MK2 NOT FOUND

- Choose Enable Mini MK2. The MIDI port may appear simply as "Launchpad Mini".
- Mini MK2 uses standard MIDI access only; it should not need a System Exclusive permission prompt.
- Release the controller, reconnect USB if needed, then enable the MK2 profile again.

MINI MK3 / LAUNCHPAD X LIGHTING UNAVAILABLE

- Approve MIDI + System Exclusive access so Pattern Engine can enter Programmer Mode.
- Use Refresh Lights after reconnecting. Release Controller before handing the device back to another app.

A QUICK PROFILE TRIGGERS THE WRONG ACTION

- The controller may have been reprogrammed. Switch to Universal MIDI Learn and learn the messages it actually sends.
- Quick Profiles are intentionally conservative; they do not rewrite controller memory.

A TOGGLE ACTS ONLY WHILE A PAD IS HELD

- Release and reconnect the selected profile. Pattern Engine uses edge-triggered pad-down actions so releasing a pad should not toggle the action back off.
- If it repeats, note the model and exact control so the mapping can be tested directly.

MINI MK2 COLOR NOTE

The MK2 cannot reproduce the MK3/X RGB palette. Pattern Engine intentionally approximates status colors with the older red / green / amber LED system.