

Flux Open Beta V1.06

Patch Notes

New Features:

Full USB MIDI IO support:

- MIDI clock IO
- MIDI notes out for all 12 gate outputs
- A new velocity parameter per gate output (VELO - main out, AUX1, AUX2) to select how velocity is calculated for the note (fixed 0-127 or multiple cv-linked modes converting 0-8V to 0-127 velocity)
- The CV source to calculate each output's velocity can be selected from any of the 4 channel's CV outputs
- All parameters control-able via CC & NRPN messages
- A new jitter lock parameter to lock the BPM calculation to stabilise jittery clocks in fixed BPM sessions
- MIDI exclusive 'mute hardware outputs' messages for each of the 16 outputs allowing you to mute selected outputs via MIDI
- MIDI clock output is available in INT and BURST clock modes for this initial release and MIDI clock input is activated by selecting a new MIDI option in the CLK menu
- 4 Max for Live devices are included in the firmware folder along with documentation on MIDI setup, installation and a guide for designing MIDI controllers for Flux (including full MIDI implementation charts)

Burst Mode

Trigger any step via gate inputs or MIDI notes, decoupled from the internal sequencer timing. In Burst mode, the internal BPM is still used to calculate rhythms but compression/expansion is no longer limited to the step length so you may effectively alter each channel's BPM using the compression/expansion parameter. If a trigger is received before the step has concluded, the step resets. Select a step to trigger with the LAST parameter.

External Clock Mode Rework

Full re-write of external clock modes including support for start/stop controlled by a voltage at the 'S' input in a new EXTS clock mode. EXT now uses the external clock input but start/stop is controlled by the start/stop button on the interface.

Multiple General Improvements & Fixes:

- Fixed an issue in which probability would apply to the next step
- Fixed an issue in which Humanize & Masking would cause drop outs in external clock mode
- If MIDI mode is selected, PPQN is auto-set to 24
- The sequencer must now be stopped to change PPQN, a reminder message will appear if attempting to change PPQN while the sequencer is running
- ALL, Star and step outline box blinking are now decoupled from tempo so that they remain a useable visual aid when composing at low BPMs
- Holding star while selecting an AUX mode now jumps to the first option in the various modes, rather than advancing the selection by a fixed amount
- A new 'High Visibility' HEX is included in the firmware folder for users viewing the Flux display from a non-ideal angle. This HEX replaces the golden parameter titles with White to improve visibility
- The user manual has been updated and a printer friendly version is available and included in the firmware zip file