Quantum / Iridium Firmware 3.0 Feature List

(compared to version 2.8)

Quantum (MK1 & MK2)

• Added 8 additional digital-only voices to increase polyphony up to 16.
• New "Voice Allocation" mode on Layer/Voices page to choose from various analog, digital and mixed modes.
• Gain staging has been adjusted to new increased polyphony of 16.

Oscillators

• New "Mix" Screen providing levels, pans and destinations for all 3 oscillators.
• "Control" renamed to "Pitch & Tools."
• New "Min Note" and "Max Note" parameters per oscillator.
• For Mono Mode: New "Mono Retrig" parameter to force oscillator to retrigger when previous note is still in release.

Wavetable Oscillator

• Re-organizing some parameters into new "Mode" sub-screen.
• Now all parameters from hardware controls are also available on the display.
• New Wavetable FX "Truncate" and "Reduce" will perform value quantizations similar to bit reduction.

Waveform Oscillator

• New Noise modes "Pings" and "Geiger."
• Both noises react to "Reset Phase" parameter.
• Noise is now stereo and width is controlled by "Stereo" parameter.

Resonator Oscillator

• Re-organizing some parameters into new "Exciter" sub-screen.
• Now all parameters from hardware controls also available at display.
• "Track Pitch" option for samples to disable pitch tracking (in Samples->Edit).

Sequencer

• New popup selector styles for quick access.
• Increased maximum step count from 32 to 64.

Samples

• "Mods only" option for "Track Pitch" in sample map.
• "Track Pitch" sample options also for Particle Oscillator.
• Increasing maximum samples per round-robin zone from 8 to 128.

LFOs

• New "polarity" parameter for unipolar option.

Modulation Matrix

• New mod-matrix presets.

Encoder Menues

• New popup selector styles for quick access.

Effects

• New Tremolo FX.

• New effect routing algorithms.
  • Set in Effects->Routing or in Filters->Routing.
  • 7 Topologies with up to 3 parallel lanes.
    • When having parallel lanes:
      • Lane outputs adjustable in volume and pan.
      • Lane volumes are modulation targets.

Drive

• New drive type "Cuff" for FX and Digital Former.

MIDI

• "Apply Split to Inputs" option in Global->MIDI->Inputs.
  • Will use keybed split ranges for incoming external midi instead of channels.
  • Split points are interpreted from untransposed keybed setting i.e. middle C3 is note 60.

• "Send NRPN" option in Global->MIDI->Outputs.
  • Will send NRPNs for physical panel controls.
  • For parameter automation please use CC as before.
  • No receiving of NRPN.

• Sustain & Control Pedal now adhere to local off & MIDI Out.

• XY pad sends midi CCs.

Iridium Desktop

  - New option in Global->MIDI->Inputs:
    - "Latch" button will also latch incoming notes from external controller.

Global->System->Info

  - The beta number is now displayed in Global->System->Info in case it's a beta.