

Novation Circuit - Tech Spec

Product Hardware Specifications

- 32 RGB backlit velocity sensitive button grid
- 28 RGB backlit function buttons
- 8 Continuous pots with RGB indicator LEDs
- Dedicated filter and volume pots
- 1/4" jack sockets for left and right outputs
- Two MIDI sockets (3.5mm jack sockets with MIDI din break-out cables)
- USB socket
- Front-mounted 3.5mm jack socket for headphones
- Integrated speaker
- Rubberised knob caps
- Rotary controls secured to the chassis with metal nuts
- Power supply connector
- Power switch
- Battery compartment for 6x AA batteries (included)
- Kensington Security Slot

Sound Engine

- 2 Nova synths
- 4 Part drum machine
- 6 Note polyphonic per synth
- 64 Synth patches
- 64 Drum patches
- 8 Synth macro controls (Control up to 4 parameters with one knob)
- 4 Drum parameter controls (Pitch, Decay, Distortion, Filter)
- Mixer view with levels and mutes
- Master FX with individual track sends
- 16 Delays
- 8 Reverbs
- Sidechain effect (7 types and off). Triggered from Drum 1
- Hi-pass / low-pass master filter

Sequencer

- 32 Sessions
- 6 Tracks per session (2 Synth and 4 Drum)
- 8 Patterns per track (Synth 1, Synth 2, Drum 1&2, Drum 3&4)
- 16 Demo sessions
- Real time record (notes, with velocity and automation)
- Auto-quantise notes to steps and automation to 6 events per step
- 50 Automation parameters (up to 4800 events per pattern)
- Internal tempo range 40 - 240
- External synced tempo range 30 - 300
- Swing 20 - 80%

Real Time Performance

- Full range velocity scanning and record. Editable to 16 levels
- 16 Scale types and chromatic transposition
- Synth expand view doubles playable area
- Drum expand view allows real time drum record
- Octave (input) and pattern octave (edit)
- Pattern length and nudge
- Configurable pattern chain
- Session instant switching and queued switch

Editing

- Velocity and gate per step
 - Multiple gate lengths per step (via real time record)
 - Automation edit per step
 - Clear step, automation parameter per pattern, pattern, session
 - Duplicate step, pattern
- Software Compatibility
- Ableton Live Lite 9 is included

Circuit will also work as a standard USB-MIDI controller.

Power Requirements

- Circuit can be powered using 6x AA batteries or a power supply (both included). It can not be powered via USB
- Maximum power consumption 12V DC 600mA

Product Dimensions

- 240mm width x 200mm depth x 35mm height