

K-Station

polyphonic synthesizer

With the new K-Station you get a 2 octave touch sensitive keyboard, pitch and mod wheels, lots of knobs, a 12 band vocoder, audio input, stereo outputs, a powerful arpeggiator and genuine Novation Liquid Analog Sound.

You want phatt? You've got it. You want trouser flapping bass? You've got it. You want invention? You've got that too, in a compact instrument that's ready to rock on stage and in your studio.

Awesome Sound Modelling

The K-station features three of the most powerful oscillators around, each providing the classic waveforms and a sine wave for those sub-bass floor-shaking grooves. Plus it gets waveform 'doubling' for mega phatt sounds with no loss of polyphony. FM algorithms take care of the metallic and percussive sounds and for even more sound making options, external audio can be used as an oscillator source waveform or processed through the mixer, filter and envelope sections.

The K's filters are no less impressive.

Genuine Novation Warm Liquid Filters deliver the rich, warm sound of an analog filter. Selectable low-pass, 12dB or 24dB cut-off curves with resonance and overdrive make it easy to recreate anything from a distorted TB303® to a tightly rounded bass patch.

Performance Enhancing

Screaming distortion, sensitive reverb and a stereo chorus with incredible depth are just the highlights of the K-Station's astonishing effects section.

Then there's the stellar arpeggiator. Combine it with the two LFO's to create jaw-dropping complex audio motion effects. Sync them to MIDI or to signals generated from an external audio source. And if you like that, you'll die when you use and experience the power of the the funky 12 band vocoder. - Robot and talky effects are a snap.

In short, the K-Station sound modelling capabilities are matched only by it's bigger brothers in the Novation range. Plus, with a K-Station, you get the control.

Control Freaks Stop Here

Tactile knobs and sliders, an expressive keyboard and a clear and concise LCD display give easy access to all the key sound-shaping controls. - Real hands-on heaven.

Plus, like all Novation synthesizers, the K-Station gives total MIDI control, with all the knobs transmitting MIDI data for easy recording in real-time using a sequencer.

A Genuine Novation Synthesizer

Delivering incredible polyphonic sound quality and incorporating technology from the award winning SuperNova I a-compact K-Station keyboard redefines the standard for analog sound modelling.

A genuine Novation.

- # 2 octave touch sensitive keyboard with pitch & mod wheels
- # 8 voice polyphony
- # 12 band vocoder and arpeggiator
- # All knobs, sliders & buttons transmit MIDI for instant control
- # Audio input for processing of external signals
- # 400 user-rewritable memories (200 pre-programmed with awesome Novation presets)
- # Superb Liquid Analog Sound
- # Quality effects: reverb, distortion plus tempo-locked chorus, phaser, delay, panner & enveloped filter with EQ



Specifications

Oscillators 1, 2 and 3

Waveform	Square / Saw / Variable Pulse / Tri / Sine / Double Saw / Double Tri / Double Sine
Octave Range	Shift -1 / 0 / +1 / +2
Mod Env Depth	-100% to +100%
LFO1 Depth	-100% to +100%
PWM Source	Mod Env / Manual / LFO2
Ring Mod	1 * 2
FM	2 * 3
2 * 3 FM Level	0 - 100%
2 * 3 FM Mod Level	0 - 100%
FM Env Attack Rate	500uS-20 Seconds
FM Env Decay Rate	1mS-20 Seconds
Comprehensive Aftertouch, Breath and Pitch / Mod Wheel control of both static pitch and modulation of pitch	

Mixer

Osc 1 Level	0 - 100%
Osc 2 Level	0 - 100%
Osc 3 Level	0 - 100%
Noise Level	0 - 100%
FM Level	0 - 100%
External Input Level	0 - 100%

Filter

Frequency	5Hz-24kHz
Resonance	0-Self Oscillation (24dB mode)
Mod Env Depth	-100% to +100%
LFO 2 Depth	-100% to +100%
Cut Off	0-100%
Keyboard Tracking	0-100%
Overdrive / Q normalise	0-100%
Comprehensive Aftertouch, Breath and Pitch / Mod Wheel control of both static filter freq and modulation of filter freq	

Amplifier Envelope

Velocity	-100% to +100%
Attack	250uS-20 Seconds
Decay	1mS-20 Seconds
Sustain	0-100%
Release	1mS - 20 Seconds

Mod Envelope

Velocity	-100% to +100%
Decay	1mS-20 Seconds
Sustain	0-100%
Release	1mS - 20 Seconds

LF01

Waveform	Sample & Hold / Tri / Saw / Squ
Speed	0 Hz - 1KHz
Delay	0 - 5 Seconds
LFO Sync	Internal - MIDI Clock

LF02

Waveform	Sample & Hold / Tri / Saw / Squ
Speed	0 Hz - 1KHz
Delay	0 - 5 Seconds
LFO Sync	Internal - MIDI Clock

Arpeggiator

Arpeggiator	Speed / Range / Gate Time / MIDI Clock / Sync / Keysync
-------------	---

Interfacing

MIDI Sockets	In / Out / Thru
Audio Input	Line Level 1 x Mono 1/4" Jack
Audio Outputs	Line Level 2 x Mono 1/4" Jack

Effects

Reverb	Level / Echo Chamber, Small / Large Room, Small / Large / Grand hall / Decay / Wheel Level
Chorus - Phaser	Level / Rate / Type / MIDI Clock Sync / Feedback / Mod Depth / Centre / MIDI clock sync initial Position Wheel Level
Distortion	Drive / Wheel Level
Panning	Position / Mod Depth / Speed / MIDI clock Sync Initial Position
Delay	Depth / Time / Feedback / MIDI Clock Sync/ Stereo Width / Ratio / Wheel Level
Vocoder	On -Off / Sibilance Level / Sibilance Type
EQ / Filter	Depth / Freq / Mod Depth / Mod Speed MIDI clock sync / MIDI clock sync Initial position

General

Keyboard	2 Octave - 25 keys with touch sensitivity - Pitch and Modulation Wheels
Power	9 Volt A.C. 600 mA
Dimensions	W=525mm H=94mm D= 295mm
Weight	4 Kg

Booming Oscillators

Three powerful Oscillators provide all the classic waveforms, including a sine wave for those sub-bass floor-shaking grooves. All Waveforms feature a "Double" facility which provides twin waveforms with no loss of polyphony. Oscillators may be set to Unison or Sync'd operation and can utilise FM for the generation of metallic or percussive timbres. A Noise Source is also included in the waveform engine. External audio can be input and used as an Oscillator source waveform or processed through the Mixer, Filter and Envelope sections.

Novation Warm Liquid Filters

Delivering the rich liquid sound of an analog filter. Selectable low-pass, 12dB or 24dB cut-off curves with resonance and overdrive make it easy to recreate anything from a distorted TB303 to tightly rounded bass patch.

12 band Vocoder

To create Robot and Talky effects.

Powerful & Recordable Control

Loads of knobs, buttons and sliders make for instant sound shaping. Call up one of the superb 200 factory preset patches, tweak it to get your sound and save it instantly in any of the 400 Program locations. All the knobs transmit MIDI controllers for easy recording of any movements in real-time on a sequencer.

Powerful Onboard Effects

The distortion effect can add the edge to harder sounds or, at high levels of drive, can make a sound scream. The stereo chorus and phaser add depth and swirl, while reverb adds extra dimension and realism. Stereo panning can be synchronised to LFOs for dynamic control of the stereo image and the delay engine can add remarkable time-synchronised repeats to your performance.

Pulse and Sync to the Beat

Two LFOs feature Sample & Hold, Tri, Saw and Square waveforms with Speed and Delay parameters. The built in Arpeggiator's speed synchronisation and sweep range are stored with the program for instant recall. The Arpeggiator and both of the LFOs can be individually synchronised to MIDI clock in different time signatures. These features allow the creation of complex audio motion effects perfectly locked to the tempo of the musical piece. Trigger signals may be generated from the external audio input, allowing the signal to be processed automatically by the internal filters and envelope generators without the need for MIDI note or gate signals.

Main Output Tempo-sync'd Envelope Filter

For amazing live performance the main stereo output may be routed to an additional enveloped filter. The speed of the envelope's Attack and Decay can be locked to any musical timing (from 32nd triplet through to several bars) which allows for automatic tempo-synchronised filtering - there is no need for manual tweaking.

Back panel tour

- Headphones
- Power On/Off
- MIDI IN
- MIDI OUT
- MIDI THRU
- 1/4" Jack Mono Audio Input
- 1/4" Jack Stereo L Audio Output
- 1/4" Jack Stereo R Audio Output



Novation line up...



novation
in music, anything is possible.

Novation EMS Limited
Platinum House 32 Clivemont Road Maidenhead Berkshire England SL6 7BZ
Phone +44 1 628 678520 Fax +44 1 628 671122 E-mail sales@novationmusic.com

Novation USA Limited
Int. Toll-free Tel: 011 - 800 - NOVATION (6682-8466) E-mail salesusa@novationmusic.com

Specification subject to change without prior notice.

Distributor / Authorised Dealer