novation®
PRODUCTS GUIDE

novation®

NOVATION MAKE GEAR FOR YOU TO PLAY, CREATE AND PERFORM MUSIC.

We started out making high-end synths, and expanded into designing totally new music making tools.

Our gear is designed by musician/producers who use the stuff they design every day, and are always looking for fresh ideas. This is the reason bedroom producers and A-list artists alike use our hardware: because it has been designed by and for musicians.

From the recording studio to the DJ booth, our equipment is freeing musicians to create and perform with their own workflow rather than ours.

> "Our equipment is freeing musicians to **create and perform** with their own workflow"

GRAMMY Award Nominated producer, composer and DJ Ivan Corraliza (Ill Factor) uses Novation controllers for hands-on control of Ableton Live.
"I like how the Launchpad and Zero SL MkII take my beat making in Ableton to a whole new level. Makes interacting with my ideas easy."

Launchpad
P. 6-7

UltraNova
P. 4-5

Dicer
P. 18-19

JOIN THE NOVATION COMMUNITY:

Find out about events, see how people use their gear, share sounds and mappings, and join our forum!

www.novationmusic.com

www.youtube/NovationTV

www.facebook.com/novation

ULTRA**NOVA**

UltraNova is the new generation of the Novation's legendary 'Nova/Supernova' range of synthesisers. It packs the massive 'Nova' sound into a compact, futuristic body with a built-in vocoder.

The revolutionary 'Touch' performance system places deep control of the synth right at your fingertips – putting awesome new ways to play, create and perform just a touch away.

UltraNova comes with 300 onboard sounds that you can select by type and musical genre, so performers and gigging musicians can get started straight away.

It also comes with software plug-in editor which gives you more in-depth visual editing, and can be opened in your DAW. In addition to this, there is a software patch librarian which allows you to search for patches by type and genre.

UltraNova has an onboard 2 in 4 out USB Audio Interface (including SPDIF out) that can transfer any audio directly to and from your computer.

FEATURING

A automap **PRO**
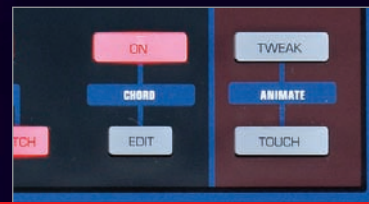
Touch performance system transforms encoders into synth control "triggers"

Each element of the synth has a dedicated button

Onboard 2 in 4 out USB audio interface and MIDI in / out / thru

"Totally gig-able with 37 full sized keys, a vocoder, and plenty of controls"

Brand new Nova-series synth engine based on Supernova II

- Single part with up to 18 voices, 14 filter types, 36 wavetables, 5 effect slots
- 300 factory presets by leading sound designers and artists

Touch-sense controls open up totally new performance capabilities

- Trigger envelopes/LFOs/filters/FX by just touching touch-sense controls
- Large rotary control allows you fine control of the last parameter touched

Software plug-in editor and Patch Library

- Plug-in editor allows you to view and edit all parameters
- Patch Library can sort by style, patch type or create your own categories!

Totally gig-able with 37 full sized keys, a vocoder, and plenty of controls

- Voice optimized 12 band vocoder with gooseneck mic
- High quality key bed with aftertouch for expressive playing styles

Built-in 2 in 4 out USB Audio Interface and it can be bus powered

- Stream audio from host computer to FX engine, input FX and synth engine
- Separate stereo main, aux and SPDIF outs, and MIDI in / out / thru

LAUNCHPAD

DESIGNED AND DEVELOPED BY

ableton   novation

THE ABLETON CONTROLLER

Jointly designed by Ableton and Novation, Launchpad places Ableton Live at your fingertips.

With a multi-colour 64-button grid and dedicated scene launch buttons, Launchpad is purpose built for triggering and manipulating clips in Live, it also offers a totally new way of controlling Ableton Live's mixer. Launchpad's buttons can be used to sketch out beats with drum racks, and they can be assigned to other functions in Live using Ableton's 'Learn' mode. Rows of buttons can be 'Learned' to control Ableton's knobs and faders! Launchpad ships with a 'Launchpad edition' of Ableton Live 8.

> "
> Launchpad places
> Ableton Live at your fingertips
> "

FADERS IN MIXER MODE - control volume, pan, send levels in mixer mode.

SESSION VIEW   MIXER OVERVIEW   VOLUME PAGE   PAN PAGE   SEND A & B PAGES

LIGHTWEIGHT & USB BUS POWERED - the only Live controller that doesn't need external power

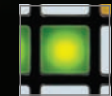NOTE MODE - trigger drum racks and instruments with 64 buttons

CONTROL OTHER MUSIC SOFTWARE - with Novation's free 'Automap' control software. (learn more about Automap on pages 16 -17)
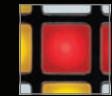
An amber LED indicates a clip is loaded

A green LED indicates a clip is playing

A red LED indicates a clip is recording

SESSION OVERVIEW

Ableton's unique Session View is displayed across Launchpad's 64-button grid.

SL MkII

THE TRULY INTELLIGENT DAW & PLUG-IN CONTROLLER

SL MkII allows you to get hands on with your music making. You get full mixer and transport control in all major DAWs, and gives you instant control over your plug-in instruments and effects! How does it do this? Novation's Automap control software talks directly to your music software, as well as shooing you exactly what is assigned to what.

SL MkII has an Italian made semi-weighted keyboard, large LCD screen and touch sensitive, LED illuminated controls. It also has 8 Trigger Pads and a total of 64 fully assignable controls.

25-KEY

All knobs and faders are touch sensitive so you can assign them, or just reveal what they are controlling by simply touching them.

LED-ringed encoders show you the value of whatever they are controlling and back lit LED buttons show whether they are on or off.

'Fast Touch' semi-weighted keyboard with aftertouch from key-bed specialists; Fatar.

ZeRO SL MkII

BUS POWERED CONTROL SURFACE FOR DAWS AND PLUG-INS

LEARN MORE ABOUT AUTOMAP ON PAGES **16-17**

"A keyless solution provides:
Longer throw faders and a crossfader"

49-KEY

61-KEY

IT'S THE FEEL

KEYBOARDS THAT CONNECT YOU TO YOUR MUSIC.

THERE'S A REASON WHY NOVATION KEYBOARDS FEEL LIKE MUSICAL INSTRUMENTS RATHER THAN COMPUTER ADD-ONS.

We use quality, Italian-made 'Fatar' keyboard mechanisms in our SL MkII, Nocturn and UltraNova ranges of keyboards. These allow for expressive playing styles with a precision that can only be found in the finest mechanical keyboards. Fatar keyboards are rigorously tested, so they are tough, solid and well-built.

ABOUT FATAR….

Fatar was founded in 1956 by Lino Ragni and is synonymous with high quality keyboards for digital pianos, synthesizers and classical organs.

Their innovative use of new materials has enabled Fatar to make finely crafted digital keyboards that have the feel and response of traditional instruments.

This relationship between technology and handicraft encouraged Novation to select Fatar key-mechs for the SL MkII, Nocturn and UltraNova ranges.

> *In a world where music-making is increasingly digital – touch and feel connect you to your music.*

nocturn 25 & 49

INTELLIGENT PLUG-IN/SEQUENCER CONTROLLER WITH AUTOMAP

Struggling to control your music software?

Nocturn's 'Fatar' keyboard, 8 drum pads, transport, and 33 assignable controls, allow you to get hands-on control of your plug-in instruments, effects and sequencer. But with so many controls, it can be difficult to keep track of what is assigned to what. That's where Automap comes in. Instead of using a tiny LCD screen, Nocturn Keyboard displays control information where you really need it: on your computer monitor. With Automap you can instantly assign controls to most plug- ins by simply clicking on the parameter and touching the knob or button.
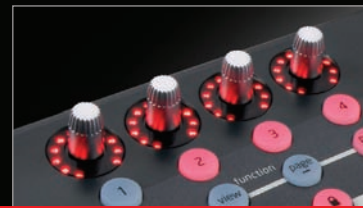
49-KEY

25-KEY

LEARN MORE ABOUT AUTOMAP ON PAGES **16-17**

FEATURING
A Automap ®

" control information "
where you really need it

LEDs around encoders and behind buttons show you the values of parameters on your plug-in/sequencer without having to look up.

Touch sensitive controls mean you can reveal what they are controlling, or re-assign them, without having to move or change their value.

'Mouse-over' Speed Dial encoder will instantly control whatever the cursor is pointing at, so you have instantaneous control of anything on the screen.

UNDERSTANDING AUTOMAP

IT'S ALL ON YOUR COMPUTER MONITOR

Automap's software edit view mirrors Nocturn Keyboard's control surface, allowing you to instantly see which controls your soft synths and effects are assigned to. Change its opacity, size and whether its even visible.

AUTOMAP GUI

HARDWARE CONTROL

AUTOMAP GUI

HARDWARE CONTROL

AUTOMAP GUI

HARDWARE CONTROL

AUTOMAP GUI
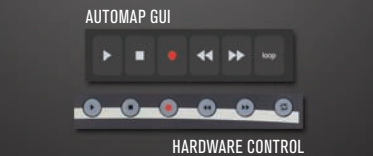
HARDWARE CONTROL

Automap's edit view explained

Automap's software edit view displays control information on your computer monitor.

1. The name of the parameter that is being controlled

2. Which instrument or effect the Novation controller is currently controlling (grouping it for quick access as either 'Instrument', 'FX', 'Mixer' or 'User')

3. MIDI information including currently selected channel, octave, transposition and aftertouch

4. Trigger Pads are fully assignable acting as extra buttons

5. Modulation wheel is also fully assignable within Automap

6. If you use a sustain pedal or footswitch, these can be assigned within Automap for hands free control of parameters

Orbital

Over the last 20 years Orbital has made a huge impact on Dance music around the world. Brothers Phil and Paul Hartnoll's blend of beats and melodies has won them thousands of fans and the duo's live performances have become legendary.

After taking a few years off the brothers recently reunited and headlined The Big Chill festival with a blistering performance. They have now totally reconfigured their on-stage set-up, with Novation controllers, Jazzmutant Lemurs and Ableton Live helping them twist and turn their way through their set.
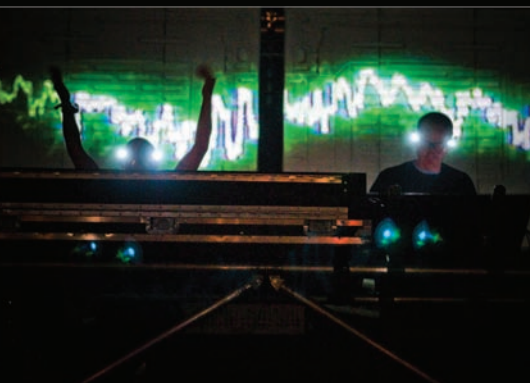
"The Big Chill gig was brilliant," says Paul Hartnoll. "It was the gig that got us back together and it didn't disappoint – well worth it. I think I'm still getting over the hangover from afterwards now!"

"I spent months programming so we can have a real open-ended experience on stage," reveals Paul. "I love jamming with the arrangements and feeding off the crowd. The set tends to have a Chinese whisper effect and develops over time as we get more confident or bored with what we do – we change it and try things out to see where it will go. Hopefully each gig is tailored to the crowd and the mood of the night fits perfectly into place – that's the idea anyway!"

At the heart of the on-stage set-up are a couple of Novation SL MkII controllers which are the latest in a long line of Novation gear the duo have used

"We liked the look and layout of the SLs which is so important live," says Paul. "And we have always used Novation gear on the road: from the original BassStation to the DrumStation – still our back up in-case the TR-909 or 808 go down – to the SuperNova which was one of our main live synths for many years."

"We use the SL as the main hardware controller," Paul continues. "We use the Jazzmutant Lemur to launch clips in Ableton Live but much prefer the hardware and feel of the SL MkII for flying in real time samples and filter manipulation. I have keys that turn on extreme effect settings in things like Live's Beat Repeat next to keys for filters on/offs with the cut-off and resonance just above for quick access. You can't beat the feel of the SL MkII for filter sweeps and effects manipulation. I love the modulation joystick which I use with the spring off for controlling the sample start on triggered vocal samples, and another one of the great things the SL has is a dedicated pair of up/down buttons for tempo."

"I just think the SL goes a bit deeper than some other controllers," Paul concludes. "I like its apparent simplicity with hidden depths if you need them. They are the solid part of the live control that you can't get from a touch-screen."

> I just think the SL goes a bit deeper than other controllers

AUTOMAP® & PRO
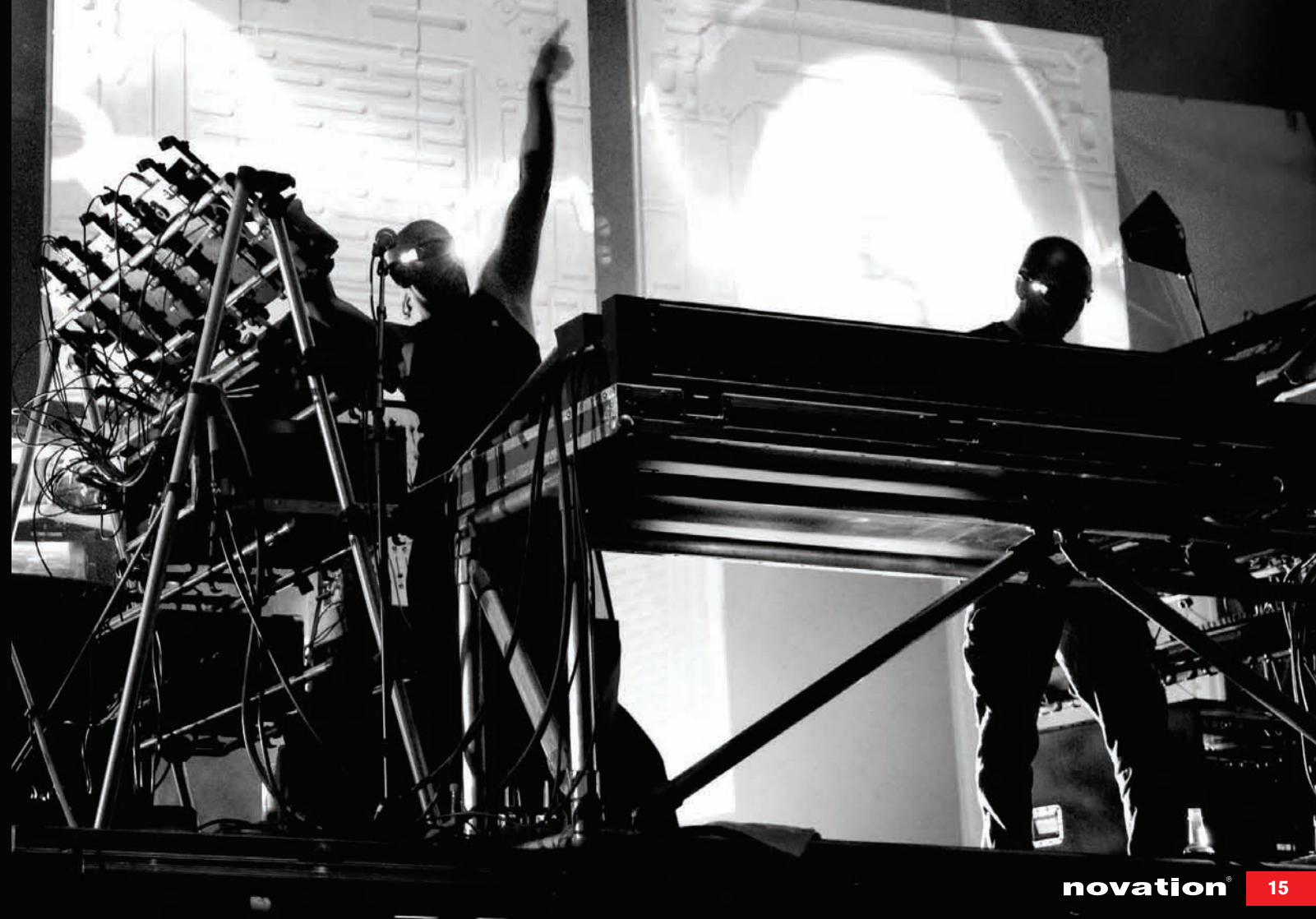
WHAT IS AUTOMAP?

Automap is a piece of software that comes with all Novation controllers. Automap sits on your computer between your music software and your Novation controller. It communicates directly with your DAW & plug-ins, so you have instant control of instruments and effects with your Novation hardware. The SL MkII and Nocturn Keyboard give you full mixer and transport control in all major DAWs.

IN CONTROL: CLICK - TOUCH - ASSIGN

With Automap, when you open a plug-in, you have instant access to all the plug-in parameters, allowing you to assign knobs, faders and buttons, by simply clicking on the software parameter, and touching the control.

• Automap's software edit view graphically shows you the entire control surface, labelling each control so you can see exactly what is assigned to what.

• Automap feeds back information from the plug-in, telling you what each parameter is called, and its current value: e.g - dBs, cutoff, LFO speed, etc.

The size and opacity of the Automap GUI can be controlled, or hide it with the 'view' button.

Click a plug-in control

Touch an encoder

Control is assigned!

WILL AUTOMAP WORK WITH MY MUSIC SOFTWARE?

All VST (VST1, 2 & 3), AU, RTAS and TDM plug-in instruments and effects (which includes all **Pro Tools**® plug-ins)

• **Ableton's** own plug-in Instruments and effects

• **Logic 9's** built-in plug-in instruments and effects

• **Propellerheads' Reason and Record** instruments and effects

• **Cubase and Nuendo's** built-in plug-in instruments and effects

• Any AU/VST plug-ins that you open in DAW's such as Digital Performer, Tracktion, Reaper, Garage Band or Fruity Loops

THESE NOVATION CONTROLLERS ALL COME WITH AUTOMAP

Launchpad

Nocturn

ZeRO SL MkII

SL MkII

Nocturn Keyboard

AUTOMAP FOR IPHONE/IPOD TOUCH

Got an iPhone/iPod Touch?

Want to turn it into a hardware controller?

Automap for iPhone/iPod Touch enables you to control your software when the mouse is out of reach.

The possibilities are endless; give your artist remote control of reverb levels, a hand-held cross-fader for laptop DJing, controlling multi-effects whilst tracking guitar, switching drum kits whilst sat at your V-drums... the list goes on.

Automap on your iPhone/iPod Touch provides two horizontal faders and eight buttons per page, displayed on a single iPhone / iPod touch screen. However, the number of pages is unlimited giving you countless controls!

> " The ability to set-up multiple devices is one of the many benefits of Automap PRO "

SLMkII comes with a turbo charged version of Automap called Automap Pro. This is also available for Nocturn, Nocturn Keyboard and Launchpad from the Novation website. For more information visit:

www.novationmusic.com

DICER

CUE POINT AND LOOPING FOR THE DIGITAL DJ

Dicer is the cue-point and looping controller designed with Serato to work with Scratch Live. It also works with other DJ software such as Traktor Scratch Pro.

Dicer always ships in pairs and has an attachment which fits right to your 1200/1210s. You can also fasten them firmly to CDJs, mixer or laptop with re-usable DJ putty.

This puts new control right at your fingertips, freeing up your hands and enabling some awesome new tricks.

As well as cue-point and looping control, there are freely assignable 'layers' which enable you to control effects, navigate your iTunes library or whatever you want!

OFFICIAL
ACCESSORY
serato

2 ×
DICER COMES IN PAIRS!

"This puts control right at your fingertips, enabling some awesome new tricks."

HOT CUES MODE

LOOP ROLL MODE

AUTO LOOP MODE

Both Dicers only take up one USB port

Dicer fixes solidly to any surface with Novation's "DJ Putty"

Dicer sits firmly in Technics 1200/1210 adapter holes with removable attachment

NOCTURN

ULTRA-COMPACT PLUG-IN CONTROLLER FEATURING AUTOMAP

If you use plug-ins, you need Nocturn. Its spacious layout but tiny footprint has made it a firm favourite of music-makers, from laptop DJs to Pro Tools HD users. The Automap control software enables you to instantly assign controls to most plug-ins, and the software edit view graphically shows exactly what is assigned to what.

The encoders are all touch sensitive, enabling you to assign them or bring up control information without having to move them. LED rings around each encoder and LEDs behind all the buttons show you the value of whatever they are controlling, and instantly update when you load up a different plug-in.
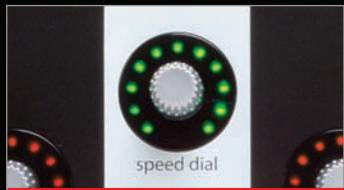
FEATURING

SEE PAGES 16-17

> " instant and intelligent control of all automatable plug-ins within every major sequencer "

Automap's edit view displays Nocturn's control surface, clearly showing which control is assigned to what.

The mouse-over Speed Dial enables you to control any software parameter your cursor is pointing at, without making any assignments whatsoever.

Each encoder is touch sensitive so you can assign them or bring up what they are currently controlling without having to move them.

nio 2|4

2 IN / 4 OUT AUDIO INTERFACE FEATURING DIRECT FX™ TECHNOLOGY

Nio 2|4 is a USB audio/MIDI interface with 2 inputs and 4 outputs. It is ultra-reliable, compact and easy to use, ideal for recording artists and laptop DJs.

Laptop DJs – 4 phono outputs for routing 2 stereo signals to either side of a mixer, and 2 headphone outs to cue-up tracks before sending them to the mix.

Recording/Tracking – Nio has a microphone input and a line input for recording guitars (or any external instrument). It also has 2 headphone outputs for monitoring recordings, and further outputs to go to your main monitors.

Nio includes 'Direct FX' which run 'in the audio driver', so avoiding the latency you experience with plug-ins. These include, reverb, compression, EQ and numerous guitar amp-modelling FX.

FEATURING DIRECT FX
ULTRA-LOW LATENCY EFFECTS
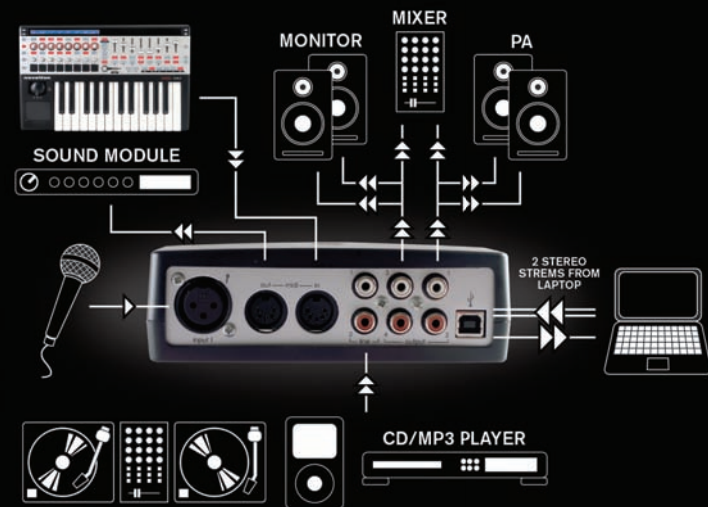
NOVATION FX PLUG-IN SUITE

SOUND-SCULPTING EFFECTS FROM NOVATION'S SYNTH HERITAGE

Novation's Plug-in FX suite provides five key effects from Novation's renowned synth heritage, including signature effects derived from the legendary SuperNova II.
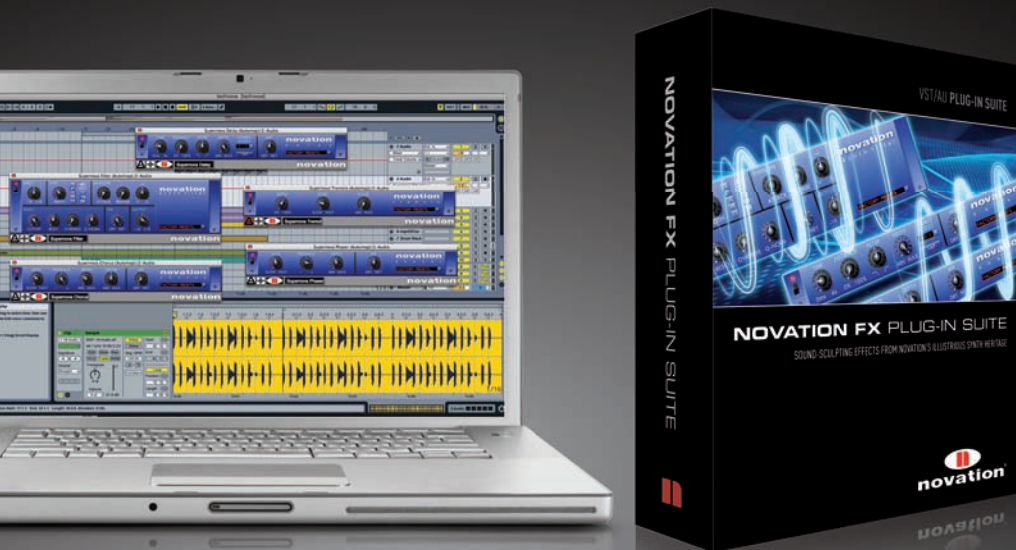
The five independent VST/AU plug-ins include Chorus, Delay, Tremelo, Phaser and the famously flexible, powerful filter featuring overdrive. Each and every one of them offers a significant upgrade from standard sequencer effects.

Chorus

Delay

Phaser

Synth Filter
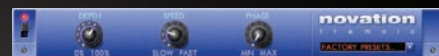
Tremolo

V-STATION

VST, AU & POWERCORE VIRTUAL ANALOGUE SYNTH

The V-Station gets the same real 3-oscillator flexibility as the award winning K-Station, with liquid analog filters, 8-voice polyphony, simultaneous FX and the kind of enormous sounds only a genuine Novation synth can offer.

BASS STATION

VST & AU VIRTUAL ANALOGUE BASS SYNTH

The Novation Bass Station was an analogue classic. This software version models the sawtooth and square waves of the original unit, but the layout has been adapted to give you additional features: the filter envelope has its own ADSR and both OSC1 and 2 have their own section for pitch modulation and PWM control.
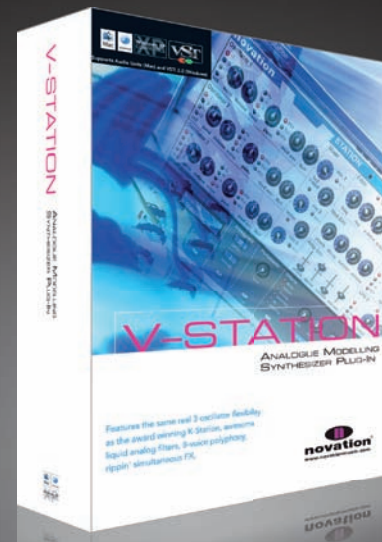
V-STATION

BASS STATION

LAPTOP AND GIG BAGS

FIT YOUR WHOLE STUDIO ON YOUR BACK!

There are three sizes of gig bag to choose from, designed to fit 25, 49 and 61 note keyboards. All gig bags have ample room for a 15" Mac or PC and side/front pockets for microphones, headphones and other cables. The laptop bag is designed to fit all Novation 25-key models and comes with a free laptop protector.

NEOPRENE SLEEVE

Novation and Ableton have co-designed a protective sleeve for transporting Launchpad safely. The zip-up sleeve includes internal straps to hold Launchpad firmly in place. It is small enough to fit alongside your laptop and can be carried easily between the studio and the venue.

DICER CASE

Dicer is the ultimate portable controller for digital DJs. This hard-case has been designed to keep them both safe while you are on the move. It has pouches for each Dicer and a separate net pocket to hold cables securely.

NSP1

The Novation NSP 1 square style sustain pedal features a rubber top and base for sturdy grip. Also, a CK / RY polarity switch to allow the NSP-1 sustain pedal to be used with virtually any manufacturer's keyboard products, and a 5ft cable. All packaged in a metal chassis.

SPECIFICATIONS

SL MkII

ASSIGNABLE CONTROLS
• 8 Encoders (Infinite Rotation) with touch-sensitivity and 11 segment Led rings
• 8 Pots (270° Rotation) with touch-sensitivity
• 8 Sliders with touch-sensitivity
• 32 Buttons with integrated LEDs (37 in MIDI mode]
• 8 soft feel Trigger Pads
• Xpression Pad (as on existing SL)
• Xpression Stick (as on existing SL)
• Touch sensitive Speed Dial (as on Nocturn)

SYSTEM BUTTONS
• General Automap Operation Buttons (Learn, View, Browser Groups etc.)
• Octave up/down buttons with LED indicator

CONNECTIVITY
Rear Panel connections are as follows:
• Data Port: 1 x USB (Win XP/Vista and Mac OSX – Not Class Compliant
• MIDI: MIDI ONE: IN, OUT and Thru, MIDI TWO: OUT
• Sustain Pedal: 1 x 1/4 Jack Input
• Expression Pedal: 1 x 1/4 Jack Input
• Power switch: Ext DC/USB

MINIMUM OPERATIONAL REQUIREMENTS (TAKEN FROM NOCTURN)
Mac OSX 10.4.0 or greater (Leopard also supported) or Windows XP with Service Pack 2 or greater (Vista 32/64 also supported)

MINIMUM COMPUTER SPEC
Mac - G4/1GHz, both with 256MB RAM or PC - Pentium 3/1GHz/256MB RAM (machines running Vista will require a higher spec)

DIMENSIONS & WEIGHT
Size (25 key): W=468mm, H=68mm, D=293mm - 3.3kg /unit
Size (49 key): W=803mm, H=68mm, D=293mm - 5.2kg/unit
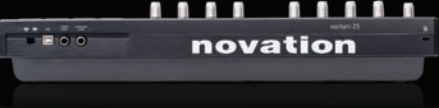Size (61 key): W=965mm, H=68mm, D=293mm - 6.1kg /unit

ZeRO SL MkII

ASSIGNABLE CONTROLS
• 8 Encoders (Infinite Rotation) with touch-sensitivity and 11 segment Led rings
• 8 Pots (270 Rotation) with touch-sensitivity
• 8 60mm Sliders with touch-sensitivity
• 32 Buttons with integrated LEDs (37 in MIDI mode]
• 8 soft feel Trigger Pads
• Touch sensitive Speed Dial (as on Nocturn)
• Crossfader

SYSTEM BUTTONS
• General Automap Operation Buttons (Learn, View, Browser Groups etc.)
• Octave up/down buttons with LED indicator

CONNECTIVITY
Rear Panel connections are as follows:
• Data Port: 1 x USB (Win XP/Vista and Mac OSX – Not Class Compliant
• MIDI: MIDI ONE: IN, OUT and Thru, MIDI TWO: OUT
• Sustain Pedal: 1 x 1/4 Jack Input
• Expression Pedal: 1 x 1/4 Jack Input
• Power switch: Ext DC/USB

MINIMUM OPERATIONAL REQUIREMENTS
Mac OSX 10.4.0 or greater (Leopard also supported) or Windows XP with Service Pack 2 or greater (Vista 32/64 also supported)

MINIMUM COMPUTER SPEC
Mac - G4/1GHz, both with 256MB RAM or PC - Pentium 3/1GHz/256MB RAM (machines running Vista will require a higher spec)

DIMENSIONS
Size: Approx W=445mm, H=68mm, D=200mm

Nocturn Keyboard

ASSIGNABLE CONTROLS
• 8 Encoders (Infinite Rotation) with touch-sensitivity and 11 segment Led rings
• Touch sensitive Speed Dial
• 14 Buttons with integrated LEDs, 6 of which are lockable transport controls
• 8 soft feel Trigger Pads
• Sprung pitch wheel
• Modulation wheel

SYSTEM BUTTONS
• General Automap Operation Buttons (Learn, View, Browser Groups etc.)
• Octave up/down buttons with LED indicator
• Button to lock/unlock transport controls

CONNECTIVITY
Rear Panel connections are as follows:
• Data Port: 1 x USB (Win XP/Vista and Mac OSX) –Class Compliant
• Sustain Pedal: 1 x 1/4 Jack Input
• Expression Pedal: 1 x 1/4 Jack Input
• Power switch: USB

MINIMUM OPERATIONAL REQUIREMENTS
Mac OSX 10.4.11 or greater (Leopard also supported) or Windows XP with Service Pack 2 or greater (Vista 32/64 also supported)

MINIMUM COMPUTER SPEC
Mac - G4/1GHz, both with 512MB RAM or PC - Pentium 4/1GHz/512MB RAM (machines running Vista will require a higher spec)

DIMENSIONS & WEIGHT
Size (25 key): W=472mm, H=68mm, D=260mm - 2.4kg
Size (49 key): W=798mm, H=68mm, D=260mm - 3.8kg

Nocturn

CONTROLS

ASSIGNABLE ROTARY ENCODERS

8 - Infinite Rotation, touch-sensitive, LED surrounds

Speed Dial (Encoder): 1 - Infinite Rotation, touch-sensitive, LED-surround, press and rotate for second function

ASSIGNABLE BUTTONS

8 buttons

ASSIGNABLE CROSSFADER

1 x 45mm

SYSTEM BUTTONS

'Learn', 'View', 'Page+' and 'Page-'

GROUP BUTTONS

User, FX, Inst, Mixer

INTERFACING DATA PORTS

1 x USB MIDI

DIMENSIONS

Size: W=239mm (9.41"), H=137mm (5.39"), D=18-28mm (0.7"-1.1")

WEIGHT

0.5 kg (1.1 lbs)

MINIMUM OPERATIONAL REQUIREMENTS

Mac OSX 10.4.0 or greater (Leopard also supported) or Windows XP with Service Pack 2 or greater (Vista 32/64 also supported)

MINIMUM COMPUTER SPEC

Mac - G4/1GHz, both with 256MB RAM or PC - Pentium 3/1GHz/256MB RAM (machines running Vista will require a higher spec)

UltraNova

HARDWARE

Touch sensitive rotary encoders: 8

Large smooth rotary encoder: 1

Synth function: 18 buttons

General operation: 4 navigation buttons.

Large encoder lock: 2 buttons.

Patch Browse: 3 buttons, 1 large encoder

Synth mode select button

Global & Audio menu buttons

Automap control buttons: 7

Keyboard Octave Up/Down buttons

Master volume pot & Input volume pot

37 note keyboard with aftertouch

Pitch wheel & Modulation wheel.

Power select switch (DC/off/USB)

Kensington lock port

SYNTHESIZER

Single part, up to 18-voice polyphonic

3 oscillators, 1 noise generator, 2 ring modulators.

14 conventional waveforms, 36 wavetables

Density/detune and self-sync on each oscillator.

3 LFOs, 6 envelopes, 2 simultaneous filters, 14 filter types.

20 modulation slots with extensive modulation capabilities

5 simultaneous effects slots

Distortion, reverb, comp, chorus/phaser, delay, gator, EQ.

Touch/Tweak performance function.

Vocoder and gooseneck mic.

Arpeggiator with latch, Chord function

Direct streaming of synth into computer via USB

CONNECTIVITY

2 x 1/4" jack audio inputs; 1 XLR input.

2 x master outputs 1/4" jacks

2 x aux outputs 1/4" jacks

headphones 1/4" stereo jack

SPDIF RCA jack

2 x Sustain & Expression Pedal jacks.

MIDI in/out/thru ports

USB port.

12V DC power-in

DIMENSIONS & WEIGHT

3.6kg

H=152mm 5.98" x 374mm W= 14.72" x L=725mm 28.54"

MINIMUM COMPUTER SPEC

MACINTOSH

Computer: Apple Macintosh with a USB 1.1 compliant USB port

CPU/Clock: PowerPC G4/1 GHz or higher (Intel/Dual 1 GHz or better recommended)

Memory (RAM): 512 MB (1 GB or more recommended)

WINDOWS

Computer: Windows compatible computer with a USB 1.1 compliant USB port

CPU/Clock: Pentium or AMD with 1 GHz or higher (Dual 1 GHz or better recommended)

Memory (RAM): 512 MB (1 GB or more recommended)

nio

AUDIO INTERFACING

INPUTS

1 XLR (with phantom power)

1 TS Jack

2 RCA Phono

Two inputs simultaneously only - either stereo RCA phono or the XLR and Jack

OUTPUTS

4 RCA Phono

2 stereo 1/4" Headphones Jacks

DIGITAL AUDIO

44.1/48kHz sample rate

24-bit resolution

OTHER INTERFACING

Data ports: 1 x USB 1.1

MIDI i/o

MINIMUM OPERATIONAL REQUIREMENTS

Mac OSX 10.3.9 or greater (Leopard also supported) or Windows XP with Service Pack 2 or greater (Vista 32/64 also supported)

MINIMUM COMPUTER SPEC

Mac - G3/600MHz or G4/667MHz, both with 256MB RAM or PC - Pentium 3/500MHz/256MB RAM (machines running Vista will require a higher spec)

INTERFACING

USB 1.1 compatible USB connector (also compatible with USB 2.0), 28/24 awg USB cable recommended

DIMENSIONS & WEIGHT

633g

45.4mm (H) x 144mm (W) x 149mm (D)

Novation FX Plug-in Suite

SUPPORTED FORMATS

Windows - VST

Mac OS - VST, Audio Unit

Windows XP users are advised to use Windows XP2 or higher (1GHz CPU recommended)

MAC OS

Power PC G4/G5 or Intel Mac

Mac OS 10.4.11 or higher

512 MB RAM

XVGA [High Colour 1024x768]

WINDOWS

Windows XP or Vista (All Versions)

Pentium III 600 MHz CPU or faster

512 MB RAM

XVGA [High Colour 1024x768]

V-station

SUPPORTED FORMATS

Windows - VST

Mac OS - VST, Audio Unit

Windows XP users are advised to use Windows XP2 or higher (1GHz CPU recommended)

MAC OS

Power PC G4/G5 or Intel Mac

Mac OS 10.4.11 or higher

512 MB RAM

XVGA [High Colour 1024x768]

WINDOWS

Windows XP or Vista (All Versions)

Pentium III 600 MHz CPU or faster

512 MB RAM

XVGA [High Colour 1024x768]

Bass Station

SUPPORTED FORMATS

Windows - VST

Mac OS - VST, Audio Unit

Windows XP users are advised to use Windows XP2 or higher (1GHz CPU recommended)

MAC OS

Power PC G4/G5 or Intel Mac

Mac OS 10.4.11 or higher

512 MB RAM

XVGA [High Colour 1024x768]

WINDOWS

Windows XP or Vista (All Versions)

Pentium III 600 MHz CPU or faster

512 MB RAM

XVGA [High Colour 1024x768]