

SUMMER 2012



# novation<sup>®</sup>

## PRODUCTS GUIDE

MIDI CONTROLLERS - HARDWARE SYNTHS - SOFTWARE SYNTHS - AUDIO INTERFACES - ACCESSORIES - SOFTWARE

# novation<sup>®</sup>

## YOUR MUSIC - YOUR RULES.

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.

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. It makes interacting with my ideas easy."



“ Our equipment is freeing musicians to **create and perform** with their own workflow ”



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## 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](http://www.novationmusic.com)

[www.youtube.com/NovationTV](http://www.youtube.com/NovationTV) YouTube

[www.facebook.com/novationmusic](http://www.facebook.com/novationmusic) Facebook

# ULTRANOVA



## SERIOUS SOUNDS - BRAND-NEW PERFORMANCE POSSIBILITIES

UltraNova is the new generation of Novation's legendary 'Nova/Supernova' range of synthesizers. It packs the massive 'Nova' sound into a compact, futuristic body with a built-in vocoder and some awesome 'touch sense' performance features.

It comes with 381 factory sounds which are generated by an über-powerful synth engine alongside Novation's legendary synth effects section. UltraNova has a built-in USB interface which supplies your computer with 2 audio inputs and 4 audio outputs as well as MIDI i/o for controlling external MIDI instruments.

“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 effects slots
- 381 factory presets by leading sound designers and artists
- Trigger envelopes/LFOs/filters/FX by just touching the touch-sense controls
- Voice optimised 12 band vocoder with gooseneck mic
- High quality key bed with aftertouch for expressive playing styles

## 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!



## The UltraNova gig bag.

UltraNova is made for the stage. The UltraNova gig bag has been styled in UltraNova blue, with a 15" laptop pouch and pockets for additional gear such as cables, hard drives or pedals.



“I really like the power of the UltraNova.”

Amp Fiddler

# IMPULSE



NEW RANGE: IMPULSE

PROFESSIONAL CONTROLLER KEYBOARD WITH DAW/PLUG-IN CONTROL

Impulse is Novation's new range of professional USB/MIDI controllers. They each have a precision keyboard and a full control surface powered by a brand new version of Novation's Automap control software - Automap 4 - which makes getting hands-on with your DAW/plugin fast and simple. Impulse also has 8 back-lit drum pads which can warp arpeggios, roll beats and launch clips in Ableton live.

Impulse gives you full control of each of the major DAWs including Ableton Live, Cubase, Logic, Pro Tools and Reason/Record. The faders and buttons give you hands-on control of your mixer levels, mutes and solos, as well as a 9th fader which can be used to control your DAWs master output.

Impulse also enables instant hands on control of your plug-in instruments and effects. The 8 encoders (knobs) automatically map to your plug-in, and you can re-assign them by using the 'learn' function. This works not only with your DAW's own plug-ins, but also with 3rd party plug-ins such as Native Instruments, FXpansion and Waves.



IMPULSE SHIPS WITH ABLETON LIVE LITE 8



precision keyboard and a full control surface



61-KEY

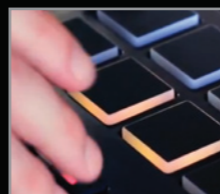
25-KEY



**MULTI-FUNCTION BACK-LIT DRUM PADS**  
Impulse has 8 drum pads which are velocity-sensitive - with aftertouch! These are back-lit with 3-colour LEDs.



**ABLETON LIVE CLIP LAUNCH**  
The 8 drum pads can be used to launch clips in Live. The three colours indicate whether a clip is loaded (yellow), playing (green), or recording (red).



**ARPEGGIATOR WARPING**  
Impulse has a built in Arpeggiator which enables you to play and turn any chord into an arpeggio. The drum pads take this a step further by enabling you to warp arpeggios.



**AUTOMAP CONTROL SOFTWARE**  
Impulse comes with Automap: software which enables instant hands on control of all major DAWs and plug-in instruments /effects



### BLACK GIG BAGS

Impulse is a great keyboard to gig with, so we've designed a gig bag to transport it safely and easily. The bags comes in 25, 49 and 61 key sizes and includes a 15" laptop pouch as well as additional pockets for power supplies, cables and hard drives.



# AUTOMAP 4<sup>®</sup>



Automap is a piece of software that comes with all Novation controllers (see opposite page). It has been designed to make the job of assigning your hardware controls to various software parameters quick and easy.

## INSTANT "LEARN" MODE

You can instantly change what is assigned to each knob, fader or button by using Automap's "learn" function; just click on your software, move the control, and it's assigned!

Despite having knobs and sliders, most MIDI controllers are no good at controlling plug-ins. It is difficult to assign the controls and you cannot see what is controlling which part of your music software.

Automap 4 is the newest and most powerful version of Automap. It enables knobs, faders and buttons to instantly control plug-in instruments/FX, as well as your sequencer's mixer, transport controls and more...

The opacity of the Automap GUI can be controlled, or it can be hidden altogether



Click a plug-in control



Touch an encoder



Control is assigned!

## WHAT WILL AUTOMAP CONTROL?

Automap works with all major DAWs including: Ableton, Cubase, Logic, Pro Tools, Reason/Record & Sonar. Automap will enable your hardware to control:

- Your DAWs mixer and transport controls
- Your DAWs own plug-in Instruments and effects
- 3rd party plug-in Instruments and effects like Native Instruments, FXpansion or Waves.



## THESE NOVATION CONTROLLERS ALL COME WITH AUTOMAP



ZeRO SL MkII



SL MkII Keyboard



Launchpad



IMPULSE Keyboard



Nocturn



UltraNova Synthesizer

## 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.

Automap turns your iPhone into a remote control for your music software, giving rise to some awesome possibilities.

Each page gives you 2x horizontal faders and 8x buttons, and you can have an unlimited number of pages.



“ The ability to set-up multiple devices is one of the many benefits of Automap 4 ”

# 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 it 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 showing 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 8-9

**“ A keyless solution provides: Longer throw faders and a crossfader ”**



49-KEY



61-KEY

## ARTIST STORY: PEANUT (KAISER CHIEFS)

Novation were tight lipped about SL Mk II ahead of its launch at Messe09. But it made a secret public debut 4 weeks earlier at Wembley Arena in the capable hands of Nick Baines - better known as Peanut from the Kaiser Chiefs.



It's not often that rock stars offer to test out prototype controllers in front of over 10 000 fans, but Peanut is a man who knows his kit: "I've been using the SL25 (Mk I) in my live rig for almost 2 years now. It's solid, and is perfect for use as an extra controller/sample triggering and tinkering device." In addition to its studio duties, the SL Mk II has been designed to trigger samples and synths on stage without the worry of working out what controller is assigned to what parameter. Peanut has plenty of experience managing complex live control set-ups, and appreciates the way all his control information is instantly visible: "The new LED rings around the controllers in the Mk II make it much much easier to see what is going on - especially useful on dark stages! The same applies for the backlit buttons and transport controls, they make the original SL design even better."

# LAUNCHPAD

THE ABLETON LIVE CONTROLLER

Launchpad has become a sensation in the music-making world. The 64-button grid enables you to create and perform music in totally new and original ways.

Launchpad operates Ableton Live music software, giving you hands on control of one of the music industry's most powerful, widely used (and fun!) music-making tools. You get a free version of Ableton included with Launchpad so you can get started straight away.

If you are already an Ableton user, Launchpad enables you to launch clips and scenes, trigger notes and drum racks, and get totally unique control of the track mixer, volumes, pans and send levels. You can also freely assign any function in Live to any button - you can even assign fader or knob controls (like filter cutoff) to rows of buttons!

DESIGNED AND DEVELOPED BY



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 'Automap' control software.



The way I see Launchpad is as a live instrument that I can incorporate in my DJ set for making music on the fly



DJ SPOOKY

## LAUNCHPAD SLEEVE

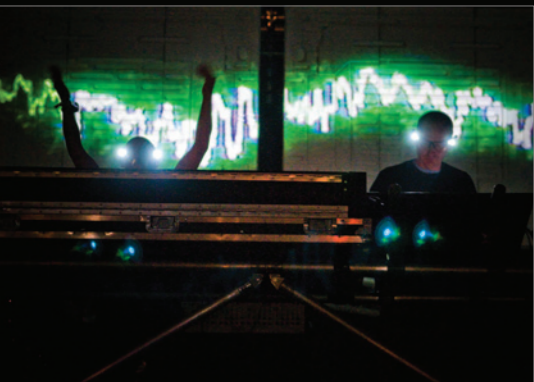
Novation and Ableton have co-designed a protective sleeve for transporting Launchpad safely. The zip-up sleeve includes internal straps to hold Launchpad firmly in place. It is small enough to fit alongside your laptop and can be carried easily between the studio and the venue.



# 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."

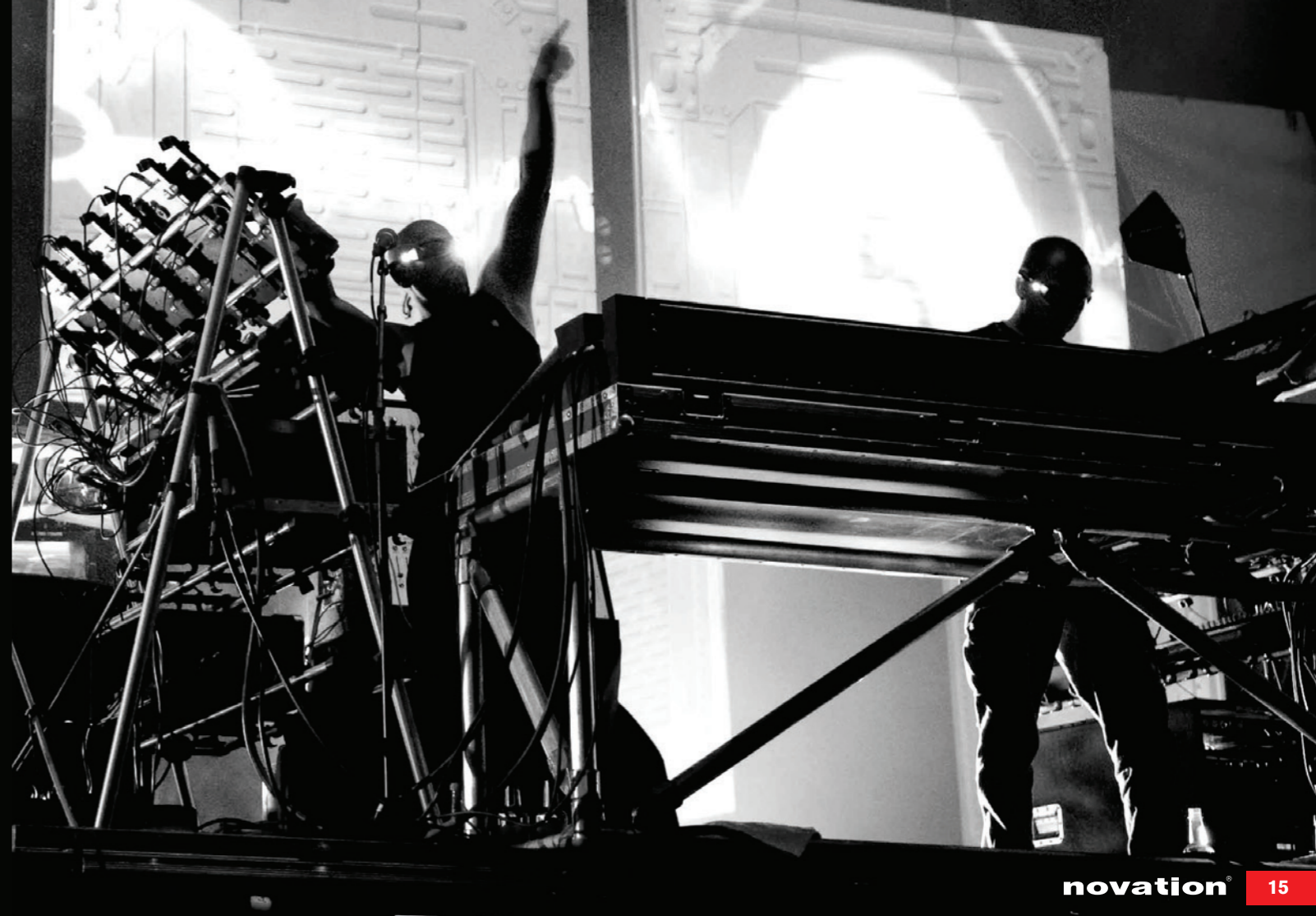
"We use the SL as the main hardware controller," Paul continues. "We use the Jazzmutant Lemur to launch clips in Ableton Live but much prefer the hardware and feel of the SL MkII for flying in real time samples and filter manipulation. I have keys that turn on extreme effect settings in things like Live's 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**

”





# twitch

## THE TOUCHSTRIP DJ CONTROLLER

Novation TWITCH is a DJ controller with a completely new take on DJing. It has Touchstrips to navigate tracks and you can slice-up your beats and mix them back together – totally on the fly. TWITCH has a built in audio interface which is absolutely rock-solid with high quality headphone and main outputs, and it is totally bus powered so no need for an external power-supply.

TWITCH has Touchstrips; simply grab your tracks and swipe them backwards and forwards like a touchscreen. The performance modes create totally new ways to manipulate beats and breaks. The control surface - with its 2 x 8 large Triggerpads and Fader FX - opens up awesome possibilities for digital DJs and Controllerists.

It comes with Serato ITCH – powerful DJ software that only works with select hardware controllers. As well as being rock-solid and simple to use, ITCH has totally new performance tools that take digital DJing to the next level.



NEW PRODUCT: TWITCH



**If you produce your own music and are looking for new ways to perform, TWITCH puts your music at your fingertips**



## OTHER SOFTWARE?

TWITCH also works with other DJ software such as Traktor and Ableton Live.

**TRAKTOR** - It ships with a Traktor overlay in the box which converts TWITCH into a 2 or 4 deck Traktor controller. There is a free Traktor mapping available to download from the Novation website.

**ABLETON LIVE** - With its unique control surface and built-in audio interface, TWITCH is a great way of performing with Ableton Live. Everybody uses Live differently so we've developed the free Live Twitch Translator application.

## UDG

UDGGEAR.COM

### THE TWITCH COURIER BAG

Twitch has been designed for portability, so our friends at UDG have designed the ultimate carry case.

It will hold Twitch, a 17" laptop, cabling and more. The case also includes a separate padded sleeve to protect Twitch's fader and knob-caps.



**There's a huge potential for remixing with TWITCH and Slicer**



Lopazz



CHECK OUT LOPAZZ ON OUR YOUTUBE CHANNEL

# DICER

## CUE POINT AND LOOPING FOR THE DIGITAL DJ

Dicer are cue point and looping controllers that fit exactly where you need them - on your turntable, CDJ or laptop.

Dicer ships in pairs and they include an adapter for Technics 1200/1210 turntables, and DJ putty for fixing Dicers firmly to any other surface.

Dicer works with almost any DJ software including Serato Scratch Live, Traktor Scratch and Traktor PRO.

Novation and Serato designed Dicer to trigger cue points and looping in Scratch Live. The buttons can also be assigned to trigger effects and even to navigate around your library so you never need to touch your laptop!



Dicer also works with Traktor Scratch and Traktor PRO with free mappings which can be downloaded from [www.novationmusic.com](http://www.novationmusic.com)



## Dicer case

This hard case has been designed to keep both Dicer safe while you are on the move. It has separate pouches for each unit and a pocket to hold cables securely.



“

Dicer is like a little extension of the deck. It's perfect really

”

DJ BLAKEY  
UK DMC CHAMPION 2004



This puts control right at your fingertips,

# Kenny Larkin



Kenny Larkin is one of the most influential producers in the Detroit Techno scene. His string of releases and headline DJ performances throughout the '90s and into the 21st century propelled him to a position as one of the most prolific producers and remix artists of the scene. Kenny has also released material under the moniker Dark Comedy and has put out records on Plus 8, Transmat and more recently Rush Hour Recordings and Planet E. He travels extensively, DJing in Europe and Asia as well as America. At last year's Amsterdam Dance Event (ADE), Kenny sat on the "25 years of Detroit Techno" panel with Juan Atkins, Derrick May, Kevin Saunderson, Carl Craig and more...

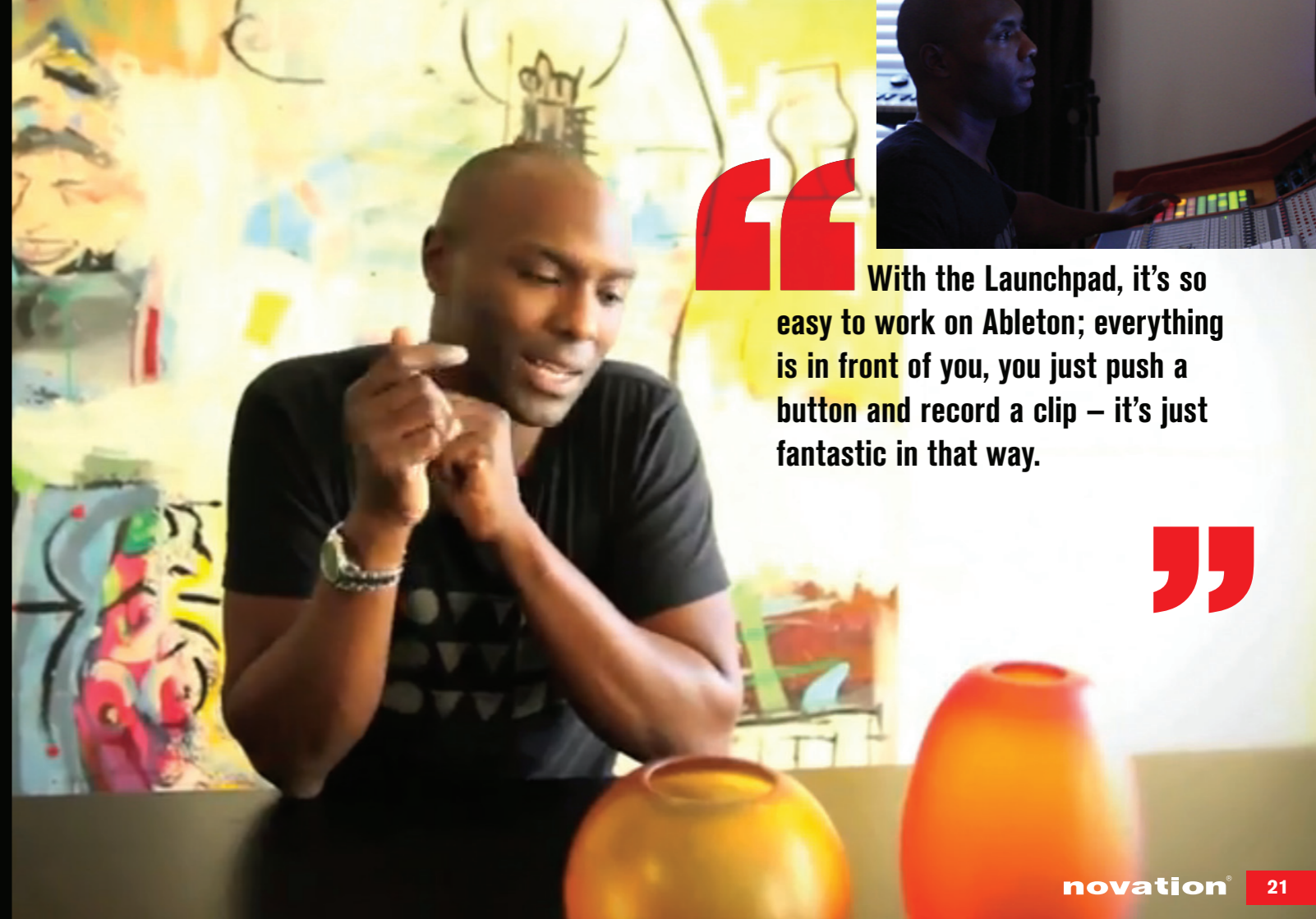


**It's the most fantastic, most perfect way of working.**



Kenny uses Launchpad both in the studio and on stage. "I like to improvise, so the clip-style way of working was probably the most important thing that put me on to the idea of working with Live and the Launchpad." When he's making music, Launchpad lies at his fingertips, giving him the power to launch clips, record new parts and improvise with his arrangements. It integrates perfectly with Ableton Live, alongside an impressive collection of equipment, including a Sony DMX R100 mixer and numerous outboard processors, including a vintage Focusrite ISA110. "When you're in the studio, the last thing you want is to be bogged down with technical situations. With the Launchpad, it's so easy to work on Ableton; everything is in front of you, you just push a button and record a clip – it's just fantastic in that way".

When on the road, Kenny travels with Launchpad. During live performances, he uses it to launch clips, and deliver a truly improvised performance. Launchpad fits in his laptop bag, and allows him to make music whenever inspiration strikes. "You can comfortably work in the bed with that thing, you can be on a plane and use it!"



**With the Launchpad, it's so easy to work on Ableton; everything is in front of you, you just push a button and record a clip – it's just fantastic in that way.**



# 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 assign controls to most plug-ins instantly, 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.



“ 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.

# 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.



# Join the Novation community

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## 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 - 64/1GHz, 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 - 64/1GHz, 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



#### 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 - 64/1GHz, 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)

## IMPULSE



### ASSIGNABLE CONTROLS

- 8 Encoders (Infinite Rotation)
- 8 Pots (2700 Rotation) with touch-sensitivity
- 9 Sliders (1 on Impulse 25)
- 9 Buttons with integrated LEDs (1 on Impulse 24)
- 8 Drum pads back lit with 3 colour LEDs
- Pitch wheel
- Modulation wheel

### SYSTEM BUTTONS

- 8 General Automap / Template edit operation buttons (Learn, MIDI channel, shift etc.)
- Data encoder
- Octave up/down buttons
- 2x Drum pad Arpeggiator/ Beat Roll and Ableton clip-launch Launch buttons

### CUSTOM LCD SCREEN

#### CONNECTIVITY

- Rear Panel connections are as follows:
  - Data Port: 1 x USB (Win XP/Vista and Mac OSX) – Not Class Compliant
  - MIDI IN & OUT ports
  - Sustain Pedal: 1 x 1/4 Jack Input
  - Expression Pedal: 1 x 1/4 Jack Input

#### MINIMUM OPERATIONAL REQUIREMENTS

- USB class compliant (no driver necessary for basic use). Automap installation includes a driver for advanced functionality.

Mac OSX 10.7 Lion and 10.6 Snow Leopard (32 and 64 bit)

Windows - Windows 7 (64 and 32bit), Windows Vista (32 bit only) or Windows XP SP3 (32bit only).

### DIMENSIONS & WEIGHT

- Impulse 25 unit
- Length (mm) 525 (Inches) 20.6
- Width (mm), 332 (Inches) 13
- Height (mm) 100 (Inches) 3.93
- Weight (kg) 3.5 (lb) 7.71

#### Impulse 49 unit

- Length (mm) 846 (Inches) 33.3
- Width (mm) 332 (Inches) 13
- Height (mm) 100 (Inches) 3.93
- Weight (kg) 5 (lb) 11.02

#### Impulse 61 unit

- Length (mm) 1022 (Inches) 40.2
- Width (mm) 332 (Inches) 13
- Height (mm) 100 (Inches) 3.93
- Weight (kg) 6.5 (lb) 14.33

## 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)

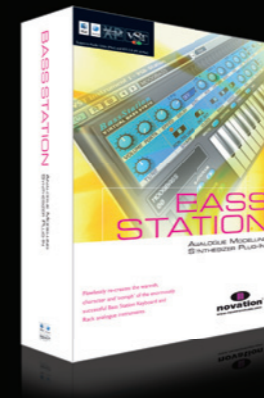
#### MAC OS

- 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
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