

IMPULSE

GETTING STARTED GUIDE



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Introduction

Welcome to the Novation Impulse Professional USB-MIDI Keyboard!

Impulse is a MIDI keyboard with a powerful DAW control surface. It has a precision semi-weighted keyboard with aftertouch as well as pitch and modulation wheels. Fader/s, encoders and buttons provide full mixer control over HUI compatible DAWs, including clip and scene launch in Ableton Live. The 8 drum pads can be used to trigger notes, perform beat rolls, change the rhythm of arpeggios (in realtime!) and launch clips. Transport control buttons allow you to navigate your music software.

We suggest you take the time to work through the steps in this guide for a simple trouble-free setup.

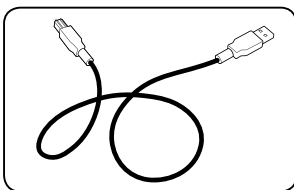
Impulse Features

- 25, 49 or 61 note high quality piano-style semi-weighted keyboards
- 8 rotary encoders
- 9 faders (49/61 note versions)
- 8 large tri-colour backlit trigger pads
- Custom LCD with direct feedback from DAW
- Transport controls
- Arpeggiator with pad-based rhythm editor
- DAW control using HUI
- Clip Launch mode in Ableton Live
- Roll mode on drum pads
- Brand new look and feel

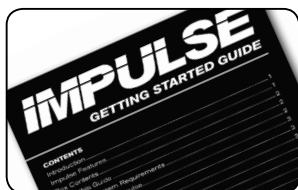
Box Contents



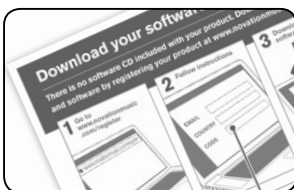
Novation Impulse



USB Cable



Getting Started Guide



Software registration card

About this Guide

This guide is designed to help you through the basic steps in setting up your Impulse for the first time and getting started with basic DAW control.

Minimum System Requirements

Impulse is designed to work with Mac OS X and Windows. For further compatibility information please visit customer.novationmusic.com/os-compatibility.

USB class compliant (no driver necessary for basic use).

Connecting the Impulse



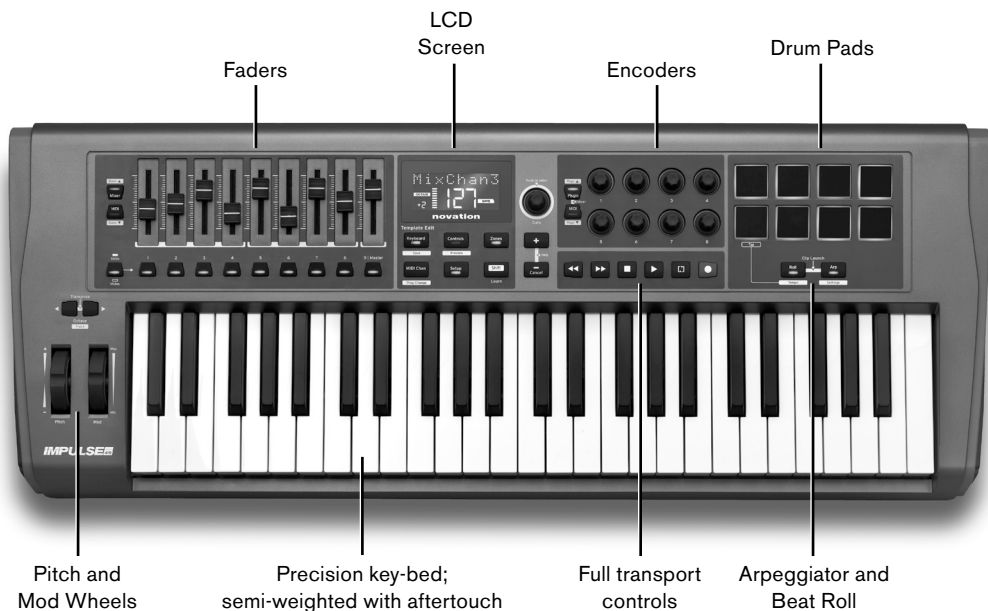
Plug the square end of the supplied USB cable into the port on the back of your Impulse. Plug the flat end of the USB cable into a free port on your computer. We recommend you plug the Impulse into the computer directly rather than via a USB hub.

MAC - On Mac OS X the keyboard will simply connect.

WINDOWS - Install the latest Novation USB driver from novationmusic.com/impulsedownloads.

Impulse Basic Operation

Top Panel



When connected the Impulse will power up and work right away as a MIDI keyboard. The keys will send MIDI note messages and the controls will send MIDI control messages. Pads will send notes when tapped and aftertouch when pressed.



Now that you're connected you should see the screen is on along with some of the LEDs on the keyboard. Press the + and - buttons together to enter Help mode. As you press, slide or turn the controls the display will tell you a little about each of them:



KEY-BED

The Impulse has 25, 49 or 61 keys (2, 4 or 5 octaves). The keys are semi-weighted for a more realistic feel. The Impulse has aftertouch which allows you to apply pressure to keys after pressing them down for additional control over a sound if the sound supports this.



PITCH & MODULATION WHEEL

The pitch bend wheel allows you to alter the pitch of a sound upwards or downwards. The modulation wheel adds a vibrato or other effect to the sound.



FADER/S

The fader/s can be used to control the mixer in your music software when used with HUI mode. They will also send standard MIDI control messages and can be reassigned.



ENCODERS

The encoders can be used to control track panning and sends when used with HUI mode. They will also send standard MIDI control messages and can be reassigned.



TRANSPORT CONTROLS

The transport controls will control the transport section in your music software when used with HUI mode.



DRUM PADS

The drum pads will send MIDI notes that can be used to trigger drum sounds or samples. They also send a MIDI control message when pressure is applied.



ROLL AND ARPEGGIATOR BUTTONS

These buttons control the Pad Roll and Arpeggiator functions on the Impulse. More detail on these can be found in the User Guide.



MIXER AND PLUG-IN BUTTONS

The Mixer and Plug-in buttons are for switching the operation of the Faders/ Encoders between MIDI mode HUI mode. These are available when your music software is up and running.



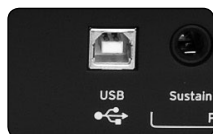
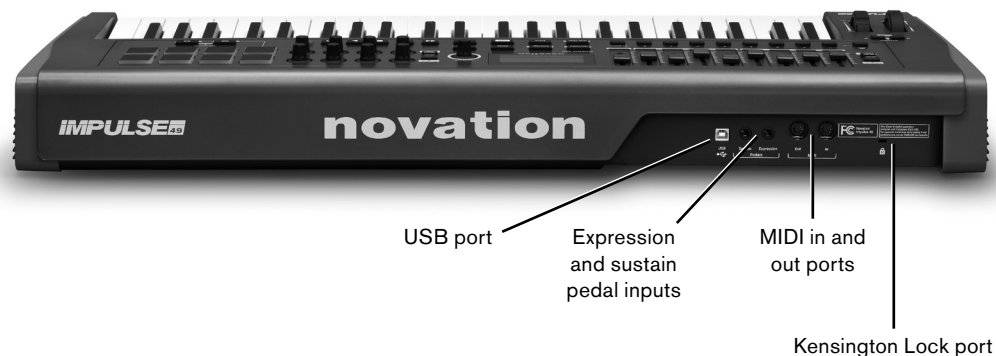
FUNCTION BUTTONS

These buttons are used to access deeper functionality of the Impulse. More about this is explained in the User Guide.

Holding down the 'Shift' button will access additional features on certain buttons. The functions are shown by the labels in white boxes.

Now press the + and - buttons again to exit from Help mode.

Back Panel



USB PORT

For connection to a computer using the USB cable supplied, or for stand-alone use to connect to a USB power supply (not included).



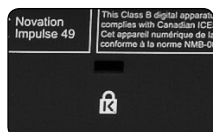
EXPRESSION AND SUSTAIN PEDAL

Standard connections for popular sustain and expression pedals.



MIDI IN AND OUT

For connecting to equipment with a standard MIDI In and Out.



KENSINGTON LOCK

For connecting a Kensington Lock cable for security purposes.

Installation and HUI Setup

BUNDLE


Follow the instructions on the 'Registration card' to download the following software:

- Novation V-Station synth plug-in
- Novation Bass Station plug-in
- Other supporting files and documentation
- DAW setup guide
- Ableton Live Lite


Download your software

There is no software CD included with your product. Download the latest drivers and software by registering your product at www.novationmusic.com/register


1 Go to www.novationmusic.com/register



2 Follow instructions



3 Download software & drivers



PLACE PRODUCT BUNDLE CODE HERE



PRO TOOLS

To set up the Impulse HUI in Pro Tools, navigate to 'Setup' > 'Peripherals...' > 'MIDI Controllers'. Ensure your ports are set up as below. set Type to 'HUI', Receive From/Send To to the 'Impulse HUI' port (MIDIIN 3/MIDIOUT 2 on Windows) and # Ch's to 8.

Peripherals

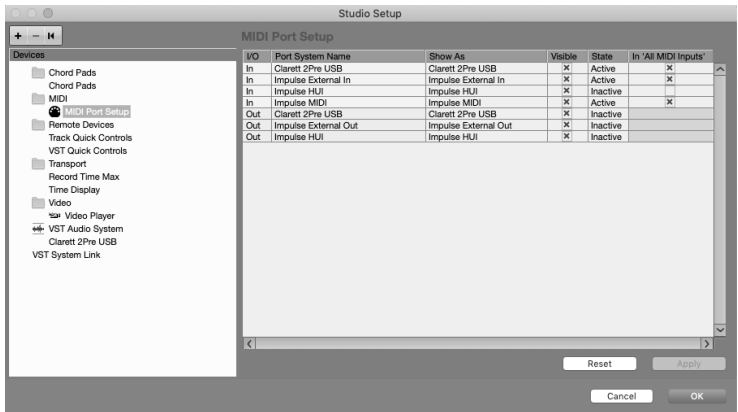
Synchronization Machine Control **MIDI Controllers** Ethernet Controllers Mic Preamps Satellites VENUE Atmos

	Type	Receive From	Send To	# Ch's
#1	HUI	Impulse_HUI	Impulse_HUI	8
#2	none	none	none	
#3	none	none	none	
#4	none	none	none	

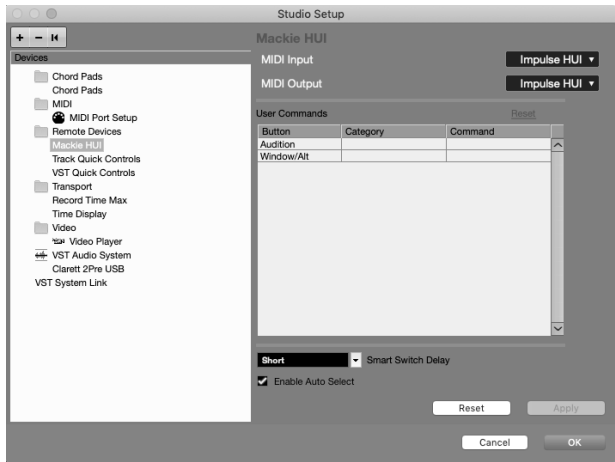
Cancel OK

CUBASE

To set up the Impulse as a HUI control surface in Cubase, navigate to 'Studio' > 'Studio Setup' > 'MIDI Port Setup'. Be careful to set your ports as shown below, the 'Impulse HUI' port MUST NOT have "in 'all MIDI ins'" enabled.



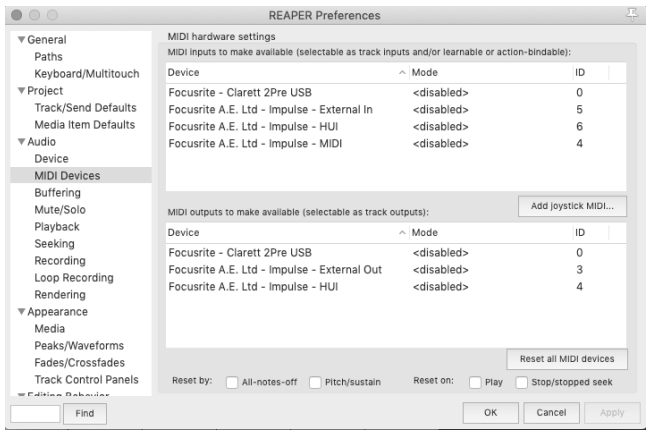
Click the small '+' icon in the Cubase 'Studio Setup' window and select 'Mackie HUI'. Now, in the 'Mackie HUI' tab, set the input and output port to 'Impulse HUI' as shown below.



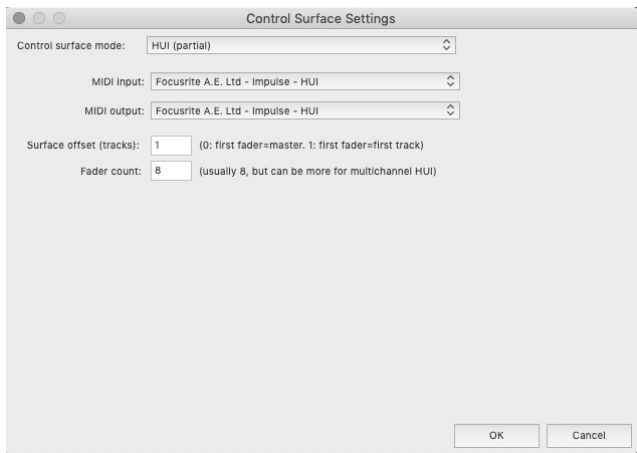
Note: the 'Impulse HUI' port may show as 'MIDIIN3'/'MIDIOUT2' or similar on Windows.

Please note that Reaper version 5.941 or newer is required to work with the Impulse.

To set up the Impulse as a HUI control surface in Reaper, navigate to 'Options' > 'Preferences...' > 'MIDI Devices'. Be sure to set your ports to 'Focusrite A.E. Ltd. - Impulse HUI (MIDIIN3 for Windows)', as shown below, the 'Focusrite A.E. Ltd. - Impulse HUI' should not say '!! N/A...!' If this is the case please right-click the device and choose 'Forget device'.

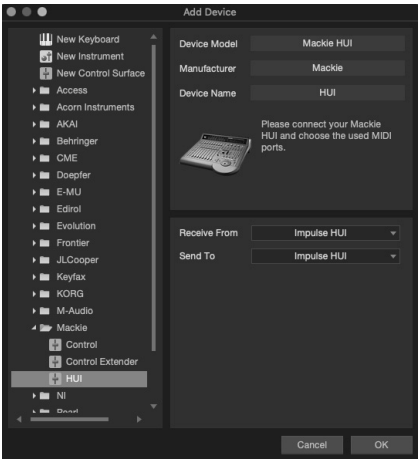


Navigate to the 'Control/OSC/web' tab in the 'Reaper Preferences' window and click 'Add' to add a new control surface. Now, in the 'Control Surface Settings' window, set the Control surface mode to HUI (partial) and set the input and output port to 'Focusrite A.E. Ltd. - Impulse HUI' as shown below.

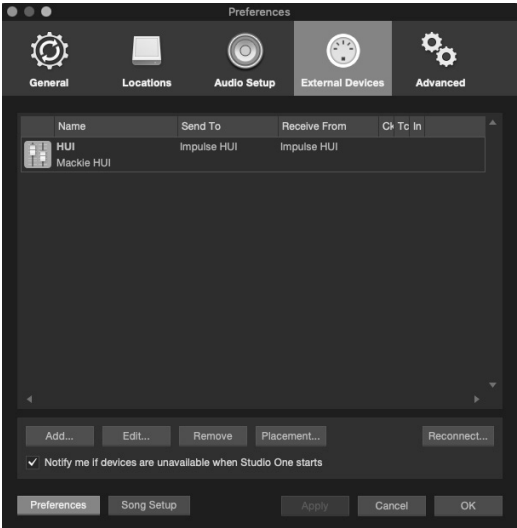


STUDIO ONE

To setup the Impulse as a HUI control surface for Studio One, navigate to 'Preferences' > 'External Devices' and click 'Add' to add a new device. Now, in the 'Add Device' window, select HUI under the Mackie folder and set Studio One to receive from 'Impulse HUI' and send to 'Impulse HUI' as shown below.



On Windows, Studio One should receive HUI messages through MIDIIN3 and send to MIDIOUT2. Press OK and the Preferences-External Devices Menu should look as shown below.



Using Impulse with your DAW

After installation and successful HUI setup, start your DAW (Digital Audio Workstation). You will see on the Impulse that the fader/s are in mixer mode and the encoders are in plug-in mode. At this point it would be good to create a new song with at least eight audio tracks.



Open the mixer view in your DAW

- Move the fader/s on the Impulse - you should see the track volumes moving on screen
- Move the encoder/s on the Impulse - you should see the track pan moving on screen

For further information see the User Guide for Impulse available from the novationmusic.com/impulsedownloads.

Ableton Live Lite

Ableton Live has additional functionality when used with the Impulse.



Pressing the Roll and Arp buttons together engages Clip Launch mode.



The pads will change colour to represent the status of the first eight tracks of clips in Live on the currently selected scene:

GREEN is clip playing

AMBER is clip loaded

RED is clip selected for record

Tapping an amber or green pad will start playback.



When in Session View the FF and REW transport buttons will move scene selection up and down. Pressing the LOOP button will trigger the selected scene.

In Arrangement View the buttons revert to transport functions.

Registration and Support

Thanks for choosing the Novation Impulse.

Please register your Impulse online at:

novationmusic.com/register

For customer support, please contact us online:

support.novationmusic.com



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