>studiologic®

numa**concert**
numa**stage**

USER MANUAL

ENGLISH

Rev. 20200227

Important Safety Instructions

Please read the entire manual. It contains all the information you need to use this unit.

Please follow the instructions in the manual. The warranty will be void if unauthorized work is carried out on the instrument Only accessories that are specified by the manufacturer should be used with this unit. Use the unit only as specified in this manual.

DANGER!
Risk of electric shock.
Do not open the chassis. There are no user serviceable parts inside. The unit should only be serviced by qualified service staff.

Mains
The unit can be powered with 100 – 240VAC. The unit is secured by a 250V 500mA F type fuse. Replace the fuse with one of the same type and value.
This unit must be earthed.
Do not use a damaged power cord.

Humidity
To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. Never place containers with liquid on the unit. Do not use the unit near water, eg swimming pool, bathtub or wet basement.
If the unit is moved from a cold place to a warm room, condensation may occur inside. To avoid damage please allow the unit to reach room temperature before switching on.

Installation
Always use a stable rack to place the keyboard on. Please be aware of its size and weight.

Cleaning / Maintenance
Never use any abrasive detergent, which may damage the surface. We recommend a slightly moist micro-fibre cloth.

Packaging
Please keep all packaging, and use it to protect the keyboard when transporting, eg if servicing is required.

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Thank you very much for choosing the Studiologic. You have obtained a state-of-the-art keyboard made by the renowned manufacturer Studiologic.
The Numa Concert/Stage is easy to operate, and offers a perfect keyboard touch. We recommend that you read the entire manual carefully to take full advantage of all the functions.

An overview of the functions:

Hammer action keyboard

The Numa Concert/Stage offers the latest innovative technology by Fatar: a sophisticated hammer action keyboard. It is therefore portable and offers a realistic grand piano touch for which Fatar is famous. You will love the touch and sound..

Internal Sounds

You can immediately start playing the 12 selected high quality sounds, which have been carefully sampled. Experienced keyboard players and musicians selected those sounds and were involved in the design of the straightforward operation of Numa Concert/Stage. Therefore Numa Concert/Stage is your perfect partner on stage, in the studio or at home - regardless which kind of music you are performing. 128 voice polyphony is available to add depth and expression to your Music. It is possible to combine two sounds by layering or splitting the keyboard, and add the built-in modulation and reverb effects.

Masterkeyboard functions

The masterkeyboard functions of the Numa Concert/Stage allow you to control other MIDI devices, with two separate Midi Zones (A-lower, B-upper) that can be played in single, layer or split mode. Select the sounds of external instruments or modules and adjust the levels directly from your Numa Concert/ Stage without the need of routing through other devices.

Audio connections

As well as the stereo audio output, the Numa Concert/Stage has two additional headphone outs. This is ideal for music schools and late-night jam sessions without disturbing the neighbours.
Plug your mp3-player or MIDI sound module into the audio input of the instrument Mix external audio devices directly with the sounds inside the Numa Concert/Stage.

Interactive NUMA
USB <> Computer

The integrated USB port allows your Numa Concert/Stage to connect to your computer. You can use a USB and MIDI out for MIDI data transmission. In addition, updates of the firmware or the sound library are accessible via USB.

Delivery includes

Numa Concert/Stage
Power chord
Sustain pedal VFP-1
Music stand
CD- Operation manual

All operation buttons are marked in bold italic in this manual (eg *On/Off*).

If you have to press two buttons at the same time, it is indicated by *&* (eg *Split & Bass 2*). You can either press both buttons at the same time, or press and hold one button while pressing the other button.

Key combinations with *Function* are always marked *red* in this manual. First press and hold *Function* while pressing the other button (eg *Function & Transpose*).

Values in the display of the are marked **bold** (eg **P01**).
To adjust the values, use the *Value+/-* buttons under the display. To make the value change in steps of 10 rather than 1, press and hold *Value +/-* below the display for a few seconds.

You will find tips and further information in text passages marked by the Studiologic logo.

How functions are shown in this manual

Control panel

Display - Value +/- buttons	Sound Bank	Output
Value adjustment	Sound, split and system configuration	EQ and Volume adjustment
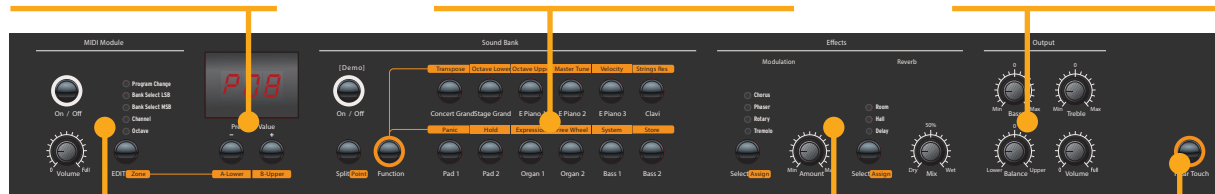
MIDI Module	Effects	Fatar Touch
Masterkeyboard functions	Modulation / reverb effects	Create your own velocity curve

Connections / Back view

Fuse	USB port	Hold - Expression pedal	Audio out L/R
500mA, F, 250V	MIDI I/O and software updates	Sockets for pedal connection	2x 6,3mm mono jack
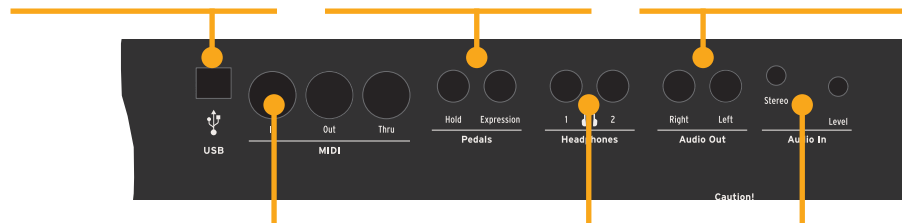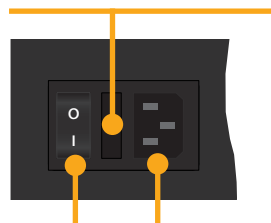
Mains - Power	MIDI In-Out-Thru	Headphone out 1/2	Stereo audio in - Level
100V to 240V	MIDI send/receive	2x 6,3mm stereo jack	3,5mm stereo jack

Power connection Use the power chord supplied with the instrument to connect it to the power socket. Switch the unit on by using the power button near to the power socket.

Music stand The music stand supplied can be attached to the brackets on the back of the unit.

Sustain / Expression pedal Connect the sustain pedal VFP 1 supplied with the unit at the socket which is labelled *Hold*.
At the socket labelled *Expression*, you can plug in the Studiologic pedal VP 25, which is available as an option.

Note: If you would like to attach other pedals, please refer to the required specifications.*.*

Audio output Connect the audio outputs Left and Right with the inputs of your mixing desk or amplifier etc.

Headphones Plug in your headphone(s) at one of the headphone outputs. You can use up to two headphones at the same time.

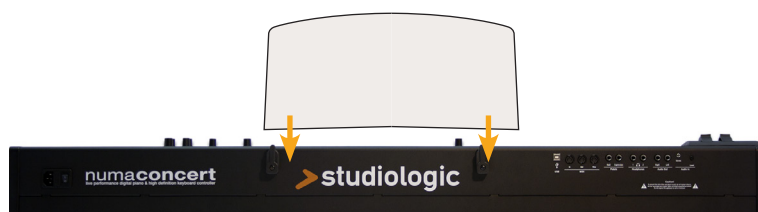**Volume** When you use the instrument for the first time, we recommend you to turn the **Volume** knob on the Output section to not more than half way between 0 and Full. While you are playing you can adjust the volume as you choose. Adjusting the **Volume** knob effects all audio and headphone outputs at the same time.

CAUTION:
To prevent hearing damage you should – as with all audio devices – avoid using the instrument at high volume for long periods.

Audio input You can plug in external audio devices, such as mp3-players for playback or MIDI sound modules, at the audio input. The **Level** knob near the jack on the back of the instrument is for adjusting the input level.

USB For data transmission via USB, connect the instrument to your computer with a USB cable. The first time you switch it on, the instrument will be recognized by your computer automatically and the appropriate driver will be installed by the OS (class compliant).

Pitch
• Picth bend of ±2 semi tones

On/Off - Demo
• Sound engine on/off
• Play Demo-songs

Sound Bank
• Direct access to the 12 internal sounds

Bass / Treble
• EQ: Cut / boost of low and high frequencies

Display - Value +/-
• Preset recall

Function
• in combination with *Demo* and *Transpose*

Transpose
• Transposition of the key-board to other tunes

Volume
• Sound level
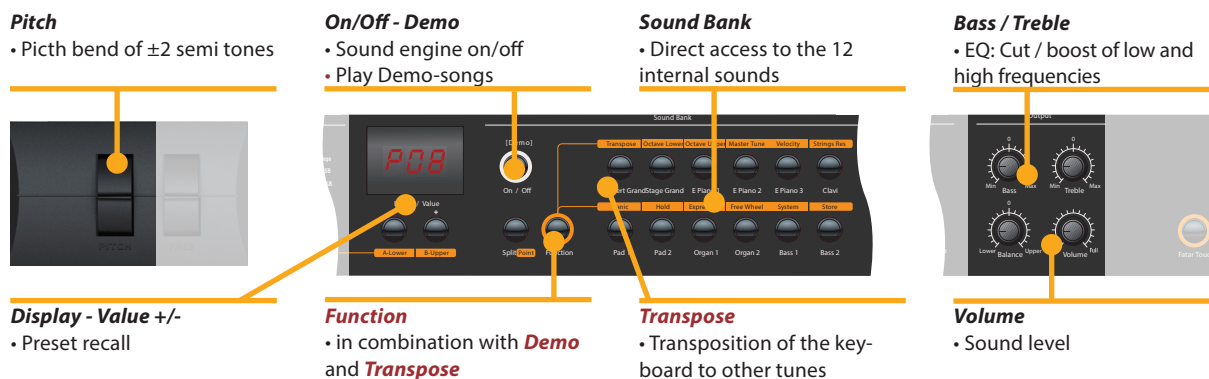
Press and hold **Demo** for a few seconds to play the demo songs. They will start automatically and **DEM** is shown in the display. Use *Value +/-* to play the next or previous demo song. By pressing **Demo** again you quit the demo mode.

Demo songs

As long as the instrument displays **P** followed by a two digit number (**eg P05**) you can recall any preset by pressing *Value +/-*. There are 24 factory presets available (**P01** – **P24**).

Preset recall

The sound engine can be activated or deactivated using the **On/Off** button.
To select a sound, use the 12 labelled buttons. The button of the selected sound lights up.

Sound engine / Sound selection

To adjust the sound of the instrument to the environment, you can cut or boost low and high frequencies using the **Bass** and **Treble** knobs in the Output section. Set the sound level with the **Volume** knob.

EQ / Volume

If you have to play in a different key, you can simplify this task by transposing the keyboard (eg: from F plus one semitone to F sharp).
To transpose in steps of a semi-tone, press **Function & Transpose**. Use **Value +/-** to change the transposition. If no transposition is used, **0** will be displayed. Adjustments of **-6** to **5** semi-tones can be processed, to cover the entire range.
Press **Function** again to keep the adjustment and quit transposition mode. The Transposition setting will be kept until the instrument power is switched off.

Transpose

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To temporarely vary the pitch while playing by ±2 semitones, use the **Pitch** wheel on the left. The wheel is self centering and will go back to its center position after being released (ie, no pitch applied).

Pitch wheel

Display - Value +/-
• Display and adjustment of Split point / Octave

Octave Lower - Upper
• Octave of Layer 1/2 or lower and upper split zone

Split - Point
• Split mode on/off
• Split point definition

Function
• in combination with ***Octave Lower - Upper*** and ***Point***

Sound Bank
• Layer sound selection

Balance
• Relative level of Layer 1/2 and split zones

Layer

To play two sounds at the same time over the whole keyboard, press both corresponding sound selection buttons at the same time (eg ***Concert Grand & Pad 2***).

Split

Playing two sounds in different keyboard zones is called Split mode. Press ***Split*** to activate this function and the button will light up. For the upper split zone the last selected sound is automatically used. If you want to change the sound for the upper split zone just press the corresponding button (eg ***Stage Grand***). To change the sound for the lower split zone, press ***Split*** and the corresponding sound select button at the same time (e.g. ***Split & Bass 1***). If you want to quit the split mode and use all 88 keys to play the same sound, press ***Split*** again. ***Please note:*** *that the same Split point will also be activated on the Midi Zones (Lower to left / Upper to right)*

Split / Layer level

Use the ***Balance*** knob of the Output section to adjust the relative level of layer 1 to 2 or the lower to upper split zone.

Split point

To adjust the split point, press ***Function & Point***. The display shows the actual selected split point. Using the keyboard (or ***Value +/-***), select the highest note for the lower split zone.
Press ***Function*** again to keep the adjustment and quit the split point mode.

Octave Lower / Octave Upper

You can select the octave transposition for both layer and split zones independently. Use ***Function & Octave Lower*** to make adjustments for the lower split zone / layer 2 and ***Function & Octave Upper*** for the upper split zone / layer 1.
No octave transposition is indicated by **0** in the display. Available values are **-3** to **3** an. That means that adjustments of ±3 octaves are possible.
Press ***Function*** again to keep the adjustment and quit the octave lower / upper mode.

Display - Value +/-
• Display and adjustment of
Hold / Expression

Function
• in combination with ***Hold***
and ***Expression***

Hold - Expression
• Pedal assign to Layer and
Split zone
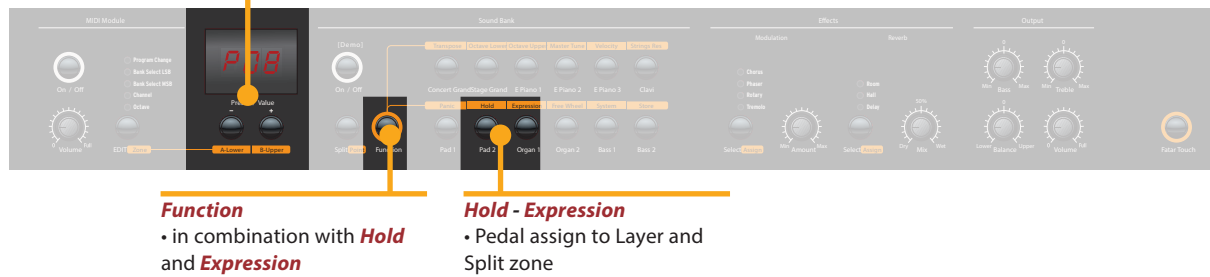
Hold

Press ***Function & Hold*** to choose to which zone (split or layer) the sustain pedal should be applied. The display will show you the following options, which you select using ***Value +/-***:

Display / Option	Hold applies to
U-L (Upper/Lower)	both split zones / layer
U (Upper)	upper split zone / layer 1
L (Lower)	lower split zone / layer 2

Press ***Function*** again to keep the adjustment and quit the hold mode.

Tip: This function is very useful if you would like to play in split mode, with a piano sound with sustain in the upper zone, and a walking Bass without sustain in the lower split zone.

Expression

Press ***Function & Expression*** to choose to which zone (split or layer) the expression pedal shall be applied. The display will show you the following options, which you select using ***Value +/-***:

Display / Option	Expression applies to
U-L (Upper/Lower)	both split zones / layer
U (Upper)	upper split zone / layer 1
L (Lower)	lower split zone / layer 2

E

Press ***Function*** again to keep the adjustment and quit the expression mode.

Tip: This function is very useful if you would like to play in layer mode, eg with a piano sound and a pad sound. The volume of the pad sound can be then controlled with the expression pedal.
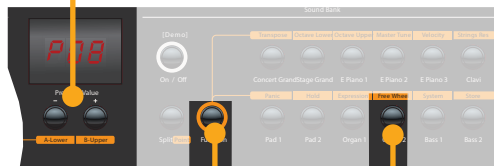
Free
• Modulation speed
• Vibrato

Display - Value +/-
• Display and adjustment of Effect assigns

Amount / Mix
• Intensity of Modulation
• Reverb mix (dry/wet)

Function
• in combination with Effect- **Assign**
• in combination with **Free Wheel**

Free Wheel
• Wheel function selection

Select - Assign
• Effect selection
• Effect assigns

Effect selection

To select a Modulation or Reverb effect, step through the algorithms by tapping the corresponding **Select** button. The selected effect is indicated by LED. If no LED is lit up, no effect is active. Both effect machines can be used independently at the same time.

Use the **Amount** or **Mix** knob to adjust the intensity or the effect mix.

Effect assign for Splits / Layer

In Split or Layer mode you can choose if an effect is applied to just one or both sounds. Press and hold **Function** while selecting the appropriate **Assign** button at the same time. The display will show the following options from which you make a selection, using **Value +/-**:

Display / Option	Effect applies to
U-L (Upper/Lower)	both split zones / layer
U (Upper)	upper split zone / layer 1
L (Lower)	lower split zone / layer 2

Press **Function** again to keep the adjustment and quit the effects assign mode.

Tip: This function is very useful if you would like to play in split mode an Organ sound with Rotary effect at the upper zone and a Bass at the lower split zone, which obviously should not have this effect. The assignment can be individually adjusted for both effect machines. Independent of the actual status of the effect machines (selected effect or off), adjustments can be made.

Free Wheel

The **Free** wheel can either send the modulation data defined by the MIDI standard (Vibrato) or control a second parameter of the internal processed modulation effect, namely the modulation speed.

To access the settings press **Function & Free Wheel**. The display shows both options **Mod**ulation and **Eff**ect between which you can choose using **Value +/-**. To adjust the modulation speed with the **Free** wheel, choose **Eff**ect.

Press **Function** again to store the adjustment and quit the free wheel mode.

Display - Value +/-
• Display and value adjustments

Strings Res
• Strings Res setting

Function
• in combination with ***Strings Res***

The String Resonance Modelling includes 3 natural effects:

Strings Resonance: this effect has been analyzed and reproduced by the Studiologic Lab's team and implemented with many improvements, that allow to have a very warm and natural effect (as compared to many other instruments) with a wider frequency response and a very realistic sound. The effect reproduces the resonance of all strings, when the Damper pedal is pressed, creating a kind of very typical acoustic reverberation of all strings and their harmonics.

Sympathetic Resonance: playing a key on an acoustic piano allows the damper of that particular note to be released, and it also lets the string/s of that key play and resonate. As a consequence, even when only one key is kept pressed, any other key played on the keyboard can resonate, if there are harmonics positioned in the same frequency range. In other words, a very subtle but evident partial string resonance can be heard also when the Damper pedal is not pressed and few keys are played. Numa Concert/Stage also reproduces this natural acoustic effect.

Soundboard resonance: acoustic pianos (and in particular the grand pianos) are very reactive structures, that resonate with the played notes (as well as with external sound sources) even without activating the damper pedal (also due to the top octvave strings, normally without any damper). This "soundboard resonance" is so evident that a piano tuner needs to artificially stop all other strings (with felt of clothes) when tuning the instrument. The Numa Concert/Stage also reproduces this natural effect, that completes the Strings Resonance Modelling.

Strings Res

To access the settings press ***Function & Strings Res***. the display shows the current level, from Off to 10, and the amount of all 3 above described Strings Resonance effects can be controlled according to your taste (suggested levels: 3-4)

Note: when a Modulation Effect is selected (e.g. Chorus etc) the Strings Resonance is automatically set to Off, in order to avoid any over post-processing of the selected sound.

Strings Res setting

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Function
• in combination with ***Velocity***

Velocity

The velocity defines the touch sensitivity of the keyboard. On the Numa Concert/Stage you can choose from 5 different velocity curves. Enter the velocity mode by pressing ***Function & Velocity***. The display indicates the different curves as **Ft**, **L**, **M**, **H** and **Fixed** Use ***Value +/-*** to select the appropriate velocity.

When you enter in the Fixed velocity area, by pressing the Value + after the H velociy, all MIDI values are displayed and selectable, starting from **001** to the maximum value of **127**, using ***Value +/-***.
Press ***Function*** again to keep the adjustment and quit the velocity mode, or press Value - to go back to the other Velocities.

The curves have the following characteristics:

Curve	Dynamic range	Application
Ft (Fatar Touch)	Adjustments to your touch and equipment.	Please refer to the Global functions pages.
L (Low)	*pp* *ff*	A soft touch of the key results in a relatively loud sound; an easy touch for all playing styles.
M (Mid)	*pp* *ff*	A touch sensitivity referred to a standard Normal curve, both for Piano and all other sounds, with full dynamic control over the entire range.
H (High)	*pp* *ff*	The dynamic range is always complete and it is possible to play very soft, while for louder parts more force (velocity) is needed.
F (Fixed)	*pp* *ff*	Regardless of the force applied to a key, always the same loudness value is generated both internally and via Midi.

Autoset

In order to make the live performance very easy, without the need of using the powerful preset programming, the instrument has an easy Auto set functions that automatically memorizes the effect (and related parameters) selected for each sound, recalling it simply when selecting the sound.

In other words, the instrument memorizes the effect that you have choosen and edited (with the parameter accessed by the Free Wheel) making the live performance easy and effective.

As an example, if you are playing with the Concert Grand sound you will probably not use any effect, while you will normally associate a Phaser effect with the E.Piano 1. Since the instrument automatically records your selections, when selecting the Grand Piano sound the Phaser (choosed for the E.Piano 1) will be automatically turned off, avoiding the need of any other programming. The same result will be obtained for each sound and the selected effect (for instance: Rotary with the Organs, Chorus with a Pad sound etc) of any combination of your choice.

The Free Wheel controls different parameters, according to the selected Modulation Effect: as an example, it controls the speed of the Tremolo, the feedback and speed of the Phaser and the Slow/Fast control of the Rotary.

This function, in addition to the Auto Set function described above, makes the live performance even more effective and totally user's friendly.

Display - Value +/-
• Display and value adjust-
ments

Function
• in combination with **Store**

Store
• Storage of presets

Fatar Touch
• Create your own velocity
curve

Fatar Touch

With the unique Fatar Touch feature you can create your own per-
sonal velocity curve and adjust the Numa Concert/Stage to your
playing style, with a feature not found in any other intrument.
Press **Fatar Touch**: start playing on the keyboard and Numa
Concert/Stage learns your playing range and style. You have
approx 1 minute time to play, with any possible dynamic ex-
pression, allowing the system to adjust the velocity curve to
your playing characteristics. If you like to stop the process
earlier, just press **Fatar Touch** again. The display shows al-
ternating **Y** and **N**. Now you can check your personal velo-
city curve by playing the keyboard again. If you are happy
with the result and you like to store this curve, press **Value−**
(**Y**). To cancel the store process and discard the curve, press
Value+ (**N**).

Store presets

To store your settings and adjustments permanently in a
preset, press **Function & Store**. Use **Value +/-** to select one
of the 50 preset locations P01 to P50 which are shown in the
display.
Press **Function** again. Now the display shows alternating **Y**
and **N**. To confirm storage press **Value−** (**Y**). The following
parameters will be stored in the preset:

Sound(s)	Pedal-assigns
Layer	Effect(s) - Mix / Amount
Split	Effect assign(s)
Split/Layer-Balance	Free Wheel
Split point	Velocity curve
Octave Upper / Lower	Fixed Velocity value

To cancel store press **Value+** (**N**).

Note: The presets **P01** to **P24** are factory presets which you can overwrite.

Display - Value +/-
• Display and value adjustments

Function
• in combination with *Panic*, *Master Tune* and *System*

Master Tune
• Tune the Numa Concert/Stage to other instruments

Panic
• Stop all attached MIDI devices to play

System
• Displays firmware version
• Updates via USB

Restore factory presets
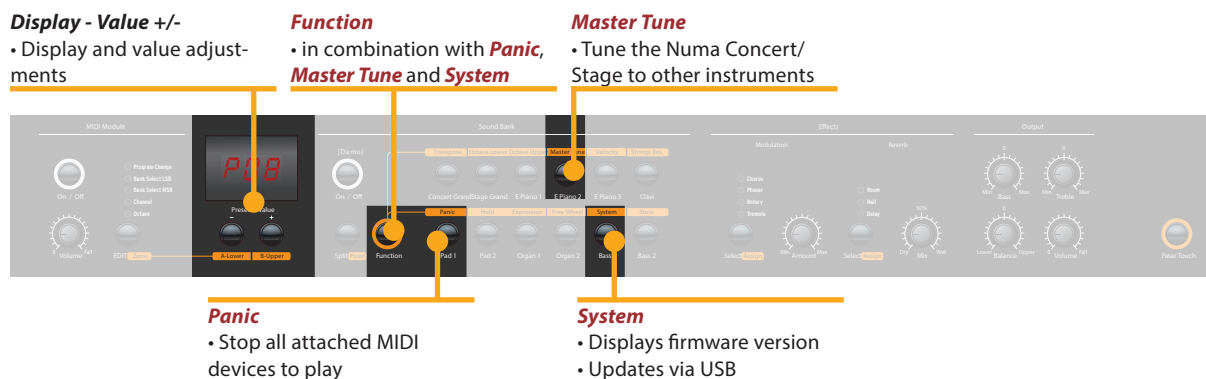
If you like to restore the factory presets, turn the instrument off, then press and hold the three buttons **Function & Panic & Store** while switching the instrument on again. The display now shows **FAC**. After releasing the three buttons the factory presets are restored.

Warning: This function will irrevocably delete and overwrite all prior stored settings of the preset numbers **P01** to **P24** (your user presets) and your Fatar Touch velocity curve with the original factory settings!

Panic

If something unexpected occurs, eg hanging MIDI notes, press **Function & Panic** to send MIDI Controller 123 (all notes off) on all 16 MIDI channels. This command stops all connected sound modules, and the instrument itself, from playing any sounds. The display briefly shows **PAN**.

Master Tune

Press **Function & Master Tune** to tune your instrument to other instruments. Values from **-99** to **99** cent (hundredth of a semi-tone) are available. The values are displayed and can be adjusted using **Value +/-**.
Press **Function** again to keep the adjustment and quit the master tune mode. The Master Tune setting will be kept until the instrument's power is switched off.

Note: The Numa Concert/Stage offers the fantastic possibility to tune other MIDI sound expanders congruent to the tuning of the instrument!

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System

By presssing **Function & System** the instrument displays its firmware version. Updates of the firmware and the sound library are accessible via USB.
To update the firmware or sound library, press and hold **System** while switching on the instrument. The display shows **SYS**.
Now you can transfer all internal data using the computer software available for download from our website. After successful data transmission restart the instrument by switching the power off and on again.
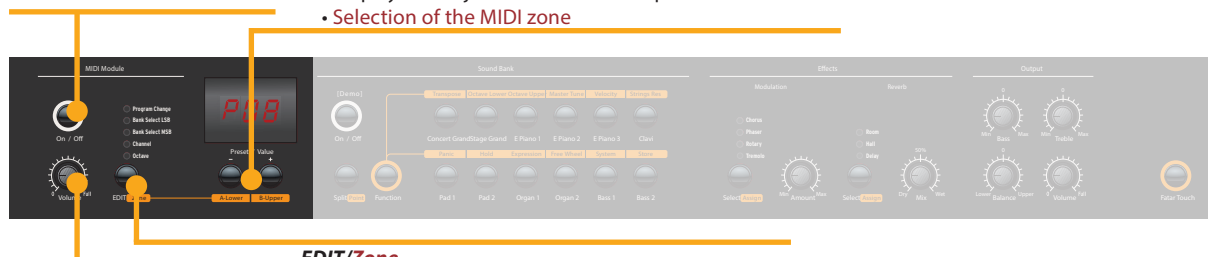
On/Off
• MIDI data send on/off

Display - Value+/- A-Lower, B-Upper
• Display and adjustment of the MIDI parameter's values
• Selection of the MIDI zone

Volume
• Sending of MIDI CC 07

EDIT/Zone
• Selection of the MIDI parameter
• Zone On/Off in combination with A-Lower, B-Lower

MIDI connection

MIDI (Musical Instruments Digital Interface) is a standard for data transmission between sound modules, sythesizers, computers and music software. The MIDI Out of a device can be connected with the MIDI In of another device, while incoming data arriving at the MIDI In are duplicated at the MIDI Thru socket.
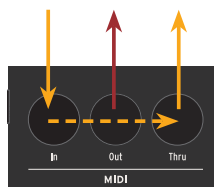
The Numa Concert/Stage sends MIDI data on the MIDI Out and at the same time via the USB port. MIDI data are received via MIDI In.

Masterkeyboard functions: A/B zones

By using the MIDI Module **On/Off** button, you can enable the Numa Concert/Stage to send all MIDI data at the MIDI Out and via USB.
The Volume knob sends the MIDI Control 7 (MIDI volume)
To enable or disable the two MIDI Zones, press the related buttons (A-Lower, B-Upper) keeping pressed the **Edit/Zones** button.

By pressing **Edit**, the two MIDI Zone buttons alternatively light up and the display shows L and U; it's now possible to select the MIDI zone to be edited, by pressing the related button (**A-Lower, B-Upper**) and access to the edit functions: Program Change, Bank LSB, Bank MSB, Channel and Octave.

To select the desired Edit function, press repeatively the **Edit** Button. The value of the actual function will be shown in the display and can be adjusted with **Value +/-**.

MIDI Channel 16: On MIDI Channel 16 the instrument sends all the MIDI data of all buttons, knobs and keys you activate.

You can play and control the sounds with other MIDI devices or with your computer via MIDI and USB.

The internal sounds can be selected via MIDI Program Change according to the General MIDI (GM) standard.

Sound selection

Instrument	Program Change	
Concert Piano	0	1
Stage Piano	1	2
E Piano 1	4	5
E Piano 2	2	3
E Piano 3	5	6
Clav	7	8
Pad 1	50	51
Pad 2	48	49
Organ 1	17	18
Organ 2	18	19
Bass 1	32	33
Bass 2	33	34

Please note: *Sometimes MIDI Program Changes are labelled 1 to 128. In this case, please refer to the Program Change numbers in the third column.*

Two sounds at the same time can also be played via MIDI: one on MIDI channel 1, another on MIDI channel 2. For both MIDI channels you can choose from all 12 internal sounds. This is independent of the actual selected mode (eg split mode)!

All selected sounds will be indicated by their LED lit up.

Both effects processors can be MIDI controlled using the MIDI control changes shown below.

Effects control

Paramter	MIDI CC	Value
Reverb Mix	91	0 - 127
Reverb Algorithm	80	0 = Off, 1 = Room, 2= Hall, 3 = Delay
Modulation Amount	93	0 - 127
Modulation Algorithm	81	0 = Off, 1 = Chorus, 2 = Phaser, 3 = Rotary, 4 = Tremolo
Modulation Speed	13	0 - 127

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Record of adjustments

The Numa Concert/Stage sends on MIDI Channel 16 all parameters and adjustments you make. That way you can, for example, record the dynamic change of the **Amount** of the Rotary effect in a MIDI sequencer.

Master Tune

The Numa Concert/Stage can send its Master Tune via MIDI as a standardized MIDI System Exclusive message. This is independent of the selected MIDI channel. To access this feature, switch the MIDI Module on.

Most external MIDI sound modules are able to understand this message; by receiving this message they tune themselves automatically, according to the instrument's tuning. Please refer to the manual of the external sound module, to see if it can process this MIDI message and what settings have to be applied.

Note: Please make sure that the connected sound module or the sequencer software is able to receive and process this MIDI System Exclusive tuning message. This function is often deactivated by default. Please refer to the manual of the corresponding device or software, to find how to activate the MIDI SysEx feature. Please also note, that the MIDI channel of the device (sometimes refered to as the "basic channel") must be identical to the MIDI channel on which your instrument is sending the MIDI SysEx data.

Troubleshooting

Problem	Possible cause	Solution
The instrument does not turn on.	No power is supplied. Defective power cable. Fuse is blown inside the instrument	Please make sure that power is available and switched on. Check the power cable and the internal fuse and replace if needed, with fuse as specified .
The instrument does not send MIDI data.	MIDI Module is switched off.	Switch MIDI Module on by pressing **On/Off**.
The instrument can not be controlled via MIDI.	MIDI data are not sent on MIDI channel 1 or 2	Please send MIDI data only on MIDI channel 1 and/or 2
The instrument just plays / sends a fixed velocity value	Fixed Velocity is selected.	Select a different velocity curve.
No sound is heard.	Sound Bank is switched off. Volume is set to 0. Defective connecting cable / headphone. A sustain pedal is connected to Expression pedal input.	Switch Sound Bank on by pressing **On/Off**. Set the **Volume** to a higher level. Change the cable / headphone. Unplug the sustain pedal from expression pedal in.
Only one sound is heard in split or layer mode.	Balance knob is set to either Upper or Lower.	Change the Balance value.
No sound from the audio input is heard.	Level of Audio In is set to minimum. External sound device is not playing. Defective cable connection.	Adjust **Level**. Check if the external sound device sends audio signal. Change the connection cable.
Sustain pedal holds notes if it is not pressed, but cuts notes if pressed.	A non suitable pedal is connected and/or the instrument has not recognized the pedal's polarity	Use the proper Pedal and/or turn the instrument off and on again, without pressing the pedal, to allow the instrument to recognize the pedal's polarity
Adjustments (eg of effect Amount or effect Mix) are not sent by the instrument or cannot be recorded with a sequencer software.	The instrtument is not set to MIDI channel 16. The MIDI Input of the sequencer is not set either to channel 16 or to "all inputs".	Set MIDI Module to MIDI channel 16 and switch it on. Set the input of the sequencer to MIDI channel 16 or to "all inputs".
Other MIDI sound modules do not automatically tune themselves to the internal instrment's tuning.	The external sound module ignores MIDI SysEx messages. The MIDI channels are not identical.	Enable the sound module to receive and process MIDI SysEx messages. Set the instrument and the external sound module to the same MIDI channel.

E

Warranty

Every product from Studiologic has been carefully manufactured, calibrated and tested, and carries a warranty. Damage caused by incorrect transport, mounting or handling is not covered by this warranty. For any further informations please refer exlusively to your dealer and/or local distributor.

CE-Conformity

This product complies with the European Directives:
2004/108//EC   EMC Directive
DIN EN 55013   EMC radio disturbance of sound, TV and
                             associated equipment
DIN EN 55020   EMC immunity of sound, TV and
                             associated equipment

Recanati, 20. 05. 2012 Marco Ragni, Chief Executive Officer

This declaration becomes invalid if the device is modified without approval.

FCC-Regulation

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

RoHS-Conformity

This product is manufactured according to the 2002/95/EC directive.

Disposal / WEEE

The purpose of this EG Directive 2003/108/EG is, as a first priority, the prevention of waste electrical and electronic equipment (WEEE), and in addition, the reuse, recycling and other forms of recovery of such wastes so as to reduce the disposal of waste. Please help to keep our environment clean.

State of the art

To ensure maximum quality all Studiologic by Fatar devices are always engineered to be state-of-the-art products, therefore updates, modifications and improvements are made without prior notice. Technical specification and product appearance may vary from this manual.

Trademarks

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Zona Ind.le Squartabue
62019 Recanati, Italia

Numa Concert
Numa Stage

## Appendix

MIDI Implementation Chart

Basic information	Transmitted	Recognized
MIDI channels	1 - 16	1, 2
Note numbers	0 - 127	0 - 127
Program change	0 -127	0, 1, 2, 4, 5, 7, 17, 18, 32, 33, 48, 50
Bank select	yes	no
MIDI Mode	- - -	multi
Note-On velocity	yes	yes
Note-Off velocity	no	no
Aftertouch	no	no
Pitch Bend	yes	yes

MIDI CC		Transmitted	Recognized
1	Modulation	yes	yes
7	Volume	yes	yes
8	Balance	yes	yes
11	Expression	yes	yes
13	Effect Control 2	yes	yes
64	Sustain	yes	yes
80	General Purpose 5	yes	yes
81	General Purpose 6	yes	yes
91	Effects 1 depth	yes	yes
93	Effects 3 depth	yes	yes
123	All notes off	yes	yes

System Exclusive	Transmitted	Recognized
Master Tune	F0, 41, 00, 42, 12, 40, 00, 00, 00, xx, xx, xx, 00, F7	no

xx = Value (00 - 7F)

Please note: MIDI CC not listed above are not supported by the Numa Concert/Stage.

Specifications

Keyboard	Number of Keys	88
	Type	Graded Hammer Action
	Velocity Curves	Low, Mid, High, Fixed, 1x user designed (Fatar Touch)
Sound Engine	Polyphony	128
	Type	Stereo Multi Samples True Sound Technology
	Voices / Instruments	12
Effects Processor	Reverb	Room, Hall, Delay
	Modulation	Chorus, Phaser, Rotary, Tremolo, Strings Resonance (with control Off-10)
	EQ	Low Shelf @ 180Hz, ±12dB High Shelf @ 3,5kHz, ±12dB
Display	LED	7 segment, 3 digits
Connections	Audio Out	Left/Right, 6,3mm phone jack
	Audio In	Stereo L/R, 3,5mm mini stereo phone jack
	Headphones	2 x 6,3mm stereo phone jack
	MIDI	In - Out - Thru
	USB	USB to Host
	Hold Pedal	6,3mm mono jack, Contact open at rest
	Expression Pedal	6,3mm stereo jack
Power Supply	AC In (IEC Power Entry)	100V - 240V
	Fuse	500mA, 250V, F
Weight		Numa Concert:20 kg | 44,1 lbs Numa Stage: 13 Kg | 28,7 lbs

Dimensions

127,0 cm | 50 in.

31.0 cm
12.2 in.

13.0 cm
5.1 in.
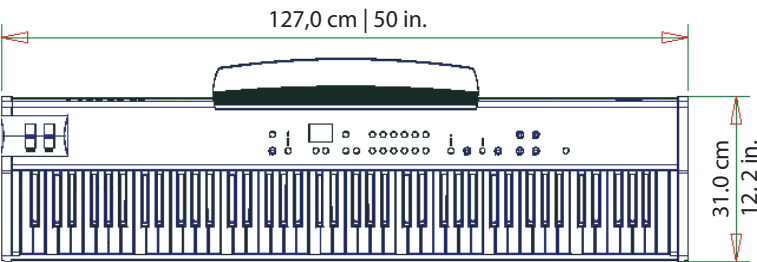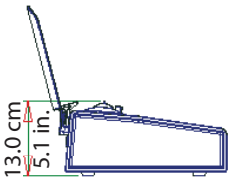
Preset	Sound	Split / Layer	Modulation	Reverb	Sus-tain	Expres-sion	Velocity Curve	Remarks Bemerkung Notazione
1	Concert Grand						M	
2	Stage Grand						M	
3	E Piano 1		Phaser	Hall			M	
4	E Piano 2		Tremolo	Hall			M	
5	E Piano 3		Chorus	Delay			M	
6	Clavi		Phaser	Room			M	
7	Pad 1		Phaser	Hall			M	
8	Pad 2			Hall			M	
9	Organ 1		Rotary	Hall			M	
10	Organ 2		Rotary	Hall			M	
11	Bass 1			Room			M	
12	Bass 2			Hall			M	
13	Concert Grand Pad1	Layer	Chorus	Hall	U	L	M	Chorus assing: Lower Hall assing: U-L
14	Stage Grand Pad 2	Layer		Hall	U	L	M	
15	E Piano 3 Pad 1	Layer	Phaser	Hall	U-L	U-L	M	Phaser assing: Uppuer Hall assing: U-L
16	Concert Grand E Piano 1	Layer	Phaser	Hall	U-L	U-L	M	Phaser assing: Lower Hall assing: U-L
17	Organ 1 Bass 1	Split	Rotary	Hall	U-L	U	M	Split point: E3 Rotary assign: Upper Hall assign: U-L
18	E Piano 1 Bass 2	Split	Phaser	Hall	U-L	U-L	M	Split point: E3 Phaser assign: Upper Hall assing: U-L
19	Pad 2 Bass 2	Split		Hall	U-L	U-L	M	Split point: E3
20	E Piano 3 Pad 1	Split	Phaser	Hall	U-L	U-L	M	Split point: E3 Octave Lower: +2 Octave Upper: -1 Phaser assign: Upper Hall assign: U-L
21	Clavi Pad 2	Layer	Chorus	Hall	U-L	U-L	M	Chorus assign: U-L Hall assign: Lower
22	Concert Grand Bass 1	Split		Hall	U	U-L	M	Split point: E3
23	E Piano 2 Pad 1	Layer	Phaser	Hall	U	U-L	M	
24	Organ 2 Bass 1	Split	Rotary	Hall	U-L	U-L	M	Split point: E3