

# nord grand 2

KAWAI H A M M E R A C T I O N

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## USER MANUAL

Nord Grand 2  
*English*

OS version: 1.0x

Edition: A



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK  
DO NOT REMOVE COVER (OR BACK).  
NO USER SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED PERSONNEL.

**ATTENTION:** POUR EVITER LES RISQUES DE CHOC ELECTRIQUE, NE PAS ENLEVER LE COUVERCLE.

AUCUN ENTRETIEN DE PIECES INTERIEURES PAR L'USAGER.  
CONFIER L'ENTRETIEN AU PERSONNEL QUALIFE.

AVIS: POUR EVITER LES RISQUES D'INCIDENTE OU D'ELECTROCUTION,  
N'EXPOSEZ PAS CET ARTICLE A LA PLUIE OU L'HUMIDITET.



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

*Le symbole éclair avec le point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence à l'intérieur du coffret de "voltage dangereux" non isolé d'ampleur suffisante pour constituer un risque d'électrocution.*



The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

*Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour alerter l'utilisateur de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instructions accompagnant l'appareil.*

Instructions pertaining to a risk of fire, electric shock or injury to persons.

## IMPORTANT SAFETY INSTRUCTIONS

### SAVE THESE INSTRUCTIONS

**Warning** - When using electric products, basic precautions should always be followed, including the following:

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



## Additional Safety Information

No naked flame sources, such as lighted candles, should be placed on the apparatus;

Do not use the apparatus in tropical climates.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

The mains plug is used as the disconnect device and shall remain readily operable.

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées;

L'appareil n'est pas destiné à être utilisé sous un climat tropical.

L'appareil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et de plus qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

Lorsque la prise du réseau d'alimentation est utilisée comme dispositif de déconnexion, ce dispositif doit demeurer aisément accessible.

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# Congratulations on your purchase!

To get the most out of your new instrument, please take a minute to read about our free sounds and downloads, all of which can be found at [nordkeyboards.com](http://nordkeyboards.com)



## OS Updates

The latest versions of the operating system for your product can always be found on [nordkeyboards.com](http://nordkeyboards.com)



## Nord Sound Libraries

By purchasing a Nord product, you get free access to a large selection of high-quality sounds and samples. The Nord Sound Library consists of the Nord Piano Library and the Nord Sample Library as well as collections and exclusive Signature Sound banks created by renowned Nord artists from around the world.



## Nord Sound Manager

For backup, transferring and organizing new sounds from our Sound Libraries to your Nord you will need to download the Nord Sound Manager.



## Nord Sample Editor

The Nord Sample Editor let's you easily record or drag and drop audio-files and enjoy automatic mapping with pitch detection, simple looping and instant transfer to your Nord instrument.

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# 1 INTRODUCTION

## THANK YOU!

Thank you for choosing the Nord Grand 2. This instrument has been designed to present both an uncompromising piano playing experience, as well as an elegant and hands-on user interface coupled with creative and powerful sound design features.

The premium Kawai Responsive Hammer Action keybed features triple hammer tracking sensors for every key, giving an unprecedented level of realism and dynamic control. Powered by the free and ever-growing Nord Piano Library – an extensive collection of meticulously sampled piano and keyboard instruments – we hope the Nord Grand 2 will keep your playing inspired for many years to come.

## FEATURES

The Nord Grand 2 has the following main features:

- Piano section with two independent Layers for split or layered configurations. Acoustic *Grand* and *Upright* pianos, *Electric* pianos, *Clavinet* and *Harpichord* sounds and a *Digital* category including rich sounding piano layers. The *Misc* category provides a selection of expressive mallet sounds such as a Marimba and a Vibraphone.
- 88 key Kawai Responsive Hammer Action keybed with triple sensors and Ivory Touch keys.
- Sample Synth section with two independent Layers, for split or layered configurations.
- Comprehensive and independent Effects section per Piano and Sample Synth Layer.
- Seamless Transitions: Sustaining notes are not cut off when changing programs.
- Keyboard split functionality with KB Zone settings per Layer and optional split cross-fade settings.

## NORD ONLINE

On the website [nordkeyboards.com](http://nordkeyboards.com) you will find:

- » Information about the Nord Grand 2 and other Nord instruments
- » Latest Operating Systems for download
- » Free software: Nord Sound Manager and Nord Sample Editor 4
- » Nord Piano and Sample Library sounds for free download
- » Nord Newsletter: Get updates about OS releases, new sounds and software
- » Nord Live sessions and other videos
- » User Manuals for download

Follow Nord Keyboards on Facebook, Instagram, X and YouTube. Feel free to tag your content with our official hashtag #iseenord.

## ABOUT THE USER MANUAL

This manual is organized primarily as a reference guide detailing all of the available features of the instrument. You will also find practical examples of how to use these features in a musical context.

## READING THE MANUAL IN PDF FORMAT

This manual is available as a digital PDF file. It can be downloaded from the Nord Grand 2 section on our website.

## OS UPGRADES

The latest OS (Operating System) version for the Nord Grand 2 is always available for download from our website. Please visit our website from time to time or subscribe to the Nord Newsletter, to make sure you have the latest version in your unit.

## FREE SOUNDS

Since the Nord Grand 2 is designed as an open system, each and every piano and sample in the Nord Grand 2 can be replaced. This is done using the *Nord Sound Manager* application which is available as a free download from our website.

The Nord Grand 2 is compatible with the continuously expanding Nord Piano Library and the Nord Sample Library. When new sounds become available, these can be download for free from the Sound Libraries section of our website.

## CUSTOM SAMPLES

Use the *Nord Sample Editor 4* – available as a free download from our website – for quick and easy creation of custom sample instruments. Whether creating a fully mapped instrument, a simple FX sound or assigning a sampled intro for a song to a single key, the Nord Sample Editor 4 opens up many possibilities together with the Nord Grand 2.

## RESTORING THE FACTORY PRESETS

Factory programs, samples and pianos are available as individual Nord Sound Manager backup files for download from our website. There is also a complete backup of the entire instrument and its factory content, if it needs to be restored to its original state at some point.

## DISCLAIMER

Any trademarks and brand names mentioned in this manual are the property of their respective owners and are not affiliated or associated with Clavia. These trademarks and brand names are only mentioned to describe certain sound qualities reproduced by the Nord Grand 2.

# 2 OVERVIEW



MASTER      PIANO      SAMPLE SYNTH      PROGRAM      EFFECTS

## THE NORD GRAND 2 PANEL

The Nord Grand 2 front panel is laid out with all related features and controls logically grouped in individual *sections*. Let's have a quick look, from left to right:

### MASTER SECTION

At the far left is the Master Level control for setting the overall volume level, as well as a Vibrato button which can be used for manually controlling the Sample Synth vibrato. Read more about this feature on page 17.

### PIANO SECTION – PAGE 12

The Nord Grand 2 includes a wide range of piano and keyboard sounds from the ever-growing Nord Piano Library right out of the box, and new sounds are regularly made available free of charge on the [www.nordkeyboards.com](http://www.nordkeyboards.com) website.

The two Piano Layers are easily turned On or Off, or combined, using their dedicated panel controls. There are also controls for activating the String Resonance feature (for acoustic pianos), adjusting the keyboard velocity response or quickly altering the character of a piano sound using the dedicated Timbre and Unison settings.

The included Nord Triple Pedal 2 enables the dynamic Pedal Noise which mimicks the sounds produced by a mechanical damper pedal. The Triple Pedal also enables half pedaling techniques as well as using Una Corda and Sostenuato pedaling to enrich the performance.

### SAMPLE SYNTH SECTION – PAGE 16

The Nord Sample Library gives Grand 2 owners access to a huge, free library of world-class sounds, including the famous vintage Mellotron and Chamberlin sounds, lush Symphobia string sounds and much more. A large selection of samples are included from the start, and their character and response of the sample can be adjusted in a variety of ways, directly from the panel. In addition, the Mono and Legato options, with adjustable Glide (portamento) amount allows for a variety of classic monophonic synth sounds to be recreated.

As with the Piano section, the dedicated Layer controls are used for

combining two Sample Synth sounds or turning each Layer On or Off.

### PROGRAM SECTION – PAGE 18

A *program* on the Nord Grand 2 contains settings for both the Piano and Sample Synth sections, as well as for effects and any split or transpose configurations. The middle area of the instrument – the *Program* section – is where programs are navigated and stored, and various performance features and settings menus are accessed. All this is aided by the large OLED display, which also shows the name of any selected Piano and/or Sample sound.

### EFFECTS SECTION – PAGE 21

The *Effects* section puts a wide selection of classic effects at your fingertips. Each Piano and Sample Synth Layer on the Nord Grand 2 has its own, individual effects chain, giving full freedom to creative sound design when combining multiple Layers.

The *Mod 1* and *2* units provide essential modulation effects such as Tremolo, Chorus and Phaser – modelled after legendary stomp boxes and effects units. Effects in the Mod 1 unit can all be foot pedal controlled and the Mod 2 effects all come with both a stereo and a mono option.

The *Delay* effect can be used for anything from subtle ambience or slap-back effects to almost endless soundscapes. The three different feedback filters, multiple Ping-Pong options and the new Flam effect provide a wide range of tools for sonic variation.

Classic amplifier simulations, with alternate tone options, as well as tube-like overdrive which ranges from subtle crunch to all-out distortion are found in the *Amp* section.

A versatile *Equalizer* with a sweepable middle band can be applied to any of the Nord Grand 2 Layers, or used globally as a master EQ.

The *Compressor* effect allows for both subtle adjustments of dynamic response as well as more extreme and obviously compressed sounds.

Finally, the *Reverb* effect provides a wide range of small and large room simulations, as well as the new *Spring* reverb type, for instant atmosphere. With each Reverb type it is possible to choose an alternate, longer, pre-delay time, Bright or Dark mode as well as a lush Chorale mode.

# 3 GETTING STARTED

Let's spend a few minutes getting acquainted with the most fundamental features of the Nord Grand 2, and go through some common tasks and scenarios in a stepwise fashion.

## HOOKING IT UP

- 1 Connect the power cord to the Nord Grand 2 and a mains power supply, connect the sustain pedal and a set of headphones or a sound system.
- 2 Make sure to turn on the Nord Grand 2 first, *before* the sound system. Please be careful with the output volume!

For more information on all the connections of the Nord Grand 2, see the Connections section on page 31.

## PANEL CONTROLS



### FADERS

Layer **A** and **B** faders consist of a physical slider and an LED graph which provides a visual indication of the current volume level of a Layer.



### DIALS AND KNOBS

The *dials* on the Nord Grand 2 are knobs without fixed start and stop positions, used for navigating parameters and settings. The **PROGRAM** dial is one such example. In this manual, dials are sometimes also referred to as *encoders*.



Potentiometer-type *knobs* are used for most panel settings on the Nord Grand 2. When a program is loaded the physical positions of these knobs will in most cases not correspond to the stored values. As soon as a knob is turned however, its associated parameter value will “snap” to the knob's position.

💡 To monitor the current value of any knob parameter, press and hold the **SHIFT** button while turning that knob.

## BUTTONS



*Selector* buttons are used for selecting one setting from a group of available options. They have a set of round or triangular LEDs to indicate the current setting. Press the button several times to cycle through the possible settings.



**ON/OFF** buttons are used for activating a function or a group of functions such as effects and have a LED close to them to indicate the on/off status.

## BUTTON HOLD FUNCTIONS



Some buttons, such as that for the Transpose, can be *held down* in order to access a function or make additional settings, indicated by the text being accompanied by a down arrow (▼).

## THE SHIFT BUTTON



Many panel controls on the Nord Grand 2 have a *secondary* function, which is printed immediately below it. These additional functions are accessed by pressing and holding **SHIFT** while operating the control.

💡 Most Shift functions can also be activated by keeping their associated button pressed for a short period of time.

The Shift button is also used to **EXIT** a menu or to cancel an ongoing Store operation.

## MASTER LEVEL



The Master Level knob sets the overall output level of the instrument, both for the Left/Right outputs and for any connected headphones. Unlike most other panel controls, its value is *not* stored with individual programs but will always have the level to which it is physically set.

## SOFT BUTTONS

Menu and settings pages – as well as the Organize view, shown below – may contain several related options in which case “soft buttons” are used for focusing a setting or performing a task. Soft buttons are placed at the bottom of the display and are controlled with the **PROGRAM 2-5** buttons. For example, pressing Program button 2 in the example below will select Program A:24 for a Swap operation.

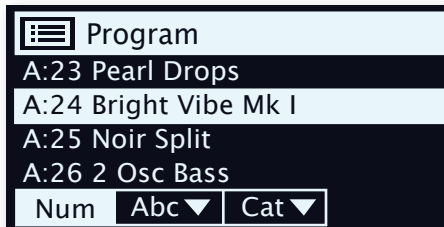




## PROGRAMS

The *Program* area is located at the center of the panel, with the OLED display in the middle. One program contains complete settings of every parameter on the panel and is stored in the program memory of the Nord Grand 2, with enough room for 576 programs.

Programs are organized into 16 banks, labeled A-P. All programs can be edited and replaced as desired.



**i** A complete set of the factory programs is available on the [www.nordkeyboards.com](http://www.nordkeyboards.com) website. This means that the program memory can always be restored to its original state.

### SELECT A PROGRAM

Programs are selected by pressing any of the six **PROGRAM** buttons located below the display, or by turning the **PROGRAM** dial.

The **PAGE** ◀ / ▶ buttons are used to navigate program *pages* – a page being a group of 6 programs. A Program **BANK** (Shift+Page) on the Nord Grand 2 contains 36 program locations divided into 6 program pages.

## LIST VIEW

Dials with the list icon (☰) next to their text label – such as the Program dial – can be used to access a useful list view.

- ① Press **SHIFT** and turn the **PROGRAM** dial to enter a list view of all the Programs.
- ② Browse to any program, using the **PROGRAM** dial. All 16 program banks can be accessed when in List mode.
- ③ Try out the **Abc** and **Cat** soft buttons respectively. Note that in Abc mode, all programs are shown in a list sorted by name and in Cat mode as a list sorted by Category.
- ④ Press **SHIFT** again to **EXIT** the List view.

📍 *List views for the Piano and Sample dials work in a similar way.*

## EDIT A PROGRAM

Editing a program is as easy as turning a knob or pressing a button, to change an existing setting. Let's give it a quick try:

- ① Dial up the first program (or any piano based program) for this exercise.

📍 *The controls for the Piano instrument are located at the left end of the front panel. Notice that the Piano section of the Program area display shows the name of the selected piano sound.*

### SELECT A NEW PIANO SOUND

- ② On the Nord Grand 2, piano sounds are grouped according to their *Type* (for instance Grand or Upright). Press the **PIANO SELECT** button until the desired Type is selected.
  - ③ Now use the Piano Select **MODEL** dial for selecting a specific sound within the chosen Type.
- i** *Note that changing any parameter on the panel causes an "E" to appear next to the program number in the display. This indicates that the program has been edited but not yet saved. If another program is loaded before a Store operation is performed, any edits are lost and the program will have its original settings the next time it is loaded.*

## TURN OFF MEMORY PROTECTION

When the Nord Grand 2 is shipped from factory its memory is protected to prevent accidental overwriting of original programs. Memory protection can be turned off from the System menu:

- ① Hold **SHIFT** and press the **SYSTEM** (Program 2) button below the display.
  - ② Memory Protect is the first setting of the *System* menu. If the display shows a different setting, use on-screen soft buttons to navigate to the Memory Protect setting.
  - ③ Change this setting to *Off* by turning the **PROGRAM** dial.
  - ④ Press **EXIT** (Shift button) to exit the *System* menu.
- i** *This setting, like most other System settings, will be permanently stored until it is changed again.*

Read more about menu settings on page 29.

## STORE A PROGRAM

- ① Press the **STORE** button above the display once, to begin the process of storing the current program.
- ② The **STORE** LED will begin to flash and the display will ask for the location to which the program should be stored.



- ③ If you want to store the edited version to the current location, replacing the original, simply press **STORE** again. If not, use the dial and/or **PROGRAM** buttons to select a different location.

📍 *As you scroll through the program locations, each program becomes active on the keyboard. This allows for auditioning any program before it is replaced with the program being stored.*

- ④ When you have found a suitable location for your program, press **STORE** again to confirm the store operation.

**i** Press **Shift/Exit** once to cancel an ongoing Store process.

Read more about Store and how to *name* a program in the Program chapter, on page 19.

## LIVE MODE

The six Live programs differ from other programs in that all edits made to them are instantly stored, without the need for a manual Store operation.

- ① Press **LIVE MODE** and use the **PROGRAM** buttons to navigate the six Live programs.
- ② Make an edit, such as activating one of the effects units, to one of the programs.
- ③ Select a different Live program and then return to the one that was edited. Note that the edit was automatically stored.
- ④ Press the Live Mode button again to exit Live Mode and return to the Program banks.

If Live Mode is active and you wish to store the settings permanently as a program in one of the Program banks, you can do so using the Store methods described above. Conversely, programs can also be stored *into* any of the Live Mode memory locations by pressing **LIVE MODE** and selecting one of the Live program locations at the “Store Program To” step.

## ACTIVATE EFFECTS

- ① Make sure the first program (or any Grand Piano based program) is selected.
- ② Activate the reverb by pressing the Reverb **ON** button.
- ③ Adjust the **DRY/WET** balance with the knob above the reverb selector.
- ④ Activate the delay effect for Piano A by pressing the **DELAY ON/OFF** button.
- ⑤ Try the **TEMPO**, **FEEDBACK** and **DRY/WET** controls, to alter the character and intensity of the Delay effect.

## LAYER WITH SAMPLE SYNTH

- ⑥ Turn on Layer A of the Sample Synth section.
- ⑦ Use **CATEGORY** dial to select the Strings Ensemble category (the categories are alphabetically sorted).
 

*Press down Shift and turn the Category dial to see a list of all available categories. When in list view, turn the Sample dial to see all samples within that category.*
- ⑧ Turn the **SAMPLE** dial and select a sound from the chosen category. The name of the sample is shown at the bottom of the display.
- ⑨ Use the **LAYER A** fader to set an appropriate sound level for the strings.

When a sample is selected, *preset* settings for the Sample Synth envelope (Attack, Decay/Sustain/Release) and Dynamics settings are also loaded. These parameters can be further adjusted manually as

desired. Descriptions of these controls are found in the Sample Synth reference chapter, starting on page 16.

## LAYER TWO PIANO SOUNDS

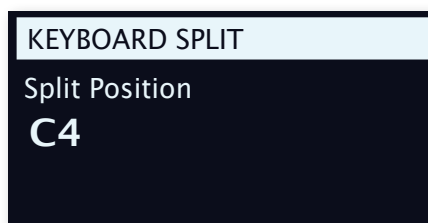
- ① Press the Piano **LAYER A** and **B** buttons simultaneously. Make sure Layer B is focused for editing – indicated by a blinking, red, LED – by pressing its button, if necessary.
  - ② Using the Piano Select controls, choose a sound for layering with the sound used in Layer A. If a Grand or Upright sound is selected in Layer A you might select an Electric Piano sound in Layer B or vice versa.
  - ③ Use the level faders to balance the sound of the two Layers.
- i** To turn a Layer Off, hold down the corresponding Layer button.

## SET EFFECTS FOR LAYER A AND B

- ① Continuing on the previous example, press **LAYER A** in the Piano section to focus that Layer for editing.
- ② Note that the **PIANO A** LED is lit in the **FX FOCUS** section, indicating that we are currently looking at and editing the effects for that specific Layer.
- ③ Turn **ON** the Reverb and press **LAYER SEND** (Shift+On) which lets you set different Reverb levels for each individual Layer.
- ④ Select the **HALL** Reverb mode and set the Reverb Dry/Wet control to a low amount for the current sound.
- ⑤ Press Piano **LAYER B** and set its Reverb Dry/Wet level to a high amount. Note that Piano A is now quite dry, whereas Piano B has much more ambience.
- ⑥ Feel free to continue focusing Layer A and Layer B respectively for the Piano, trying out further effect types and settings for each Layer as desired.

## CREATE A SPLIT

- ① Make sure that both a Piano and a Sample Synth Layer are turned on.
- ② Press the **SPLIT ON/SET** button to turn the Split function on.
- ③ To adjust the *position* of the Split point hold down the **SPLIT ON/SET** button and select the desired location using the Program dial. The keyboard is now divided into two zones, the split point being indicated with a LED above the keyboard.



- ④ Press **KB ZONE** (Shift+Layer A/B) for the active Piano Layer and set it to **LO**. Press KB Zone for the Sample Synth Layer and set it to

**UP.** The Piano sound is now active to the left of the split point and the Sample Synth to the right.

Feel free to use the **OCTAVE UP/DOWN** controls in the Piano and Sample Synth sections for accessing different ranges of the respective sounds. Also try keeping one of the Layers set to both **LO** and **UP** using the KB Zone control, letting you play that sound from the entire keyboard, layering it with a split sound.

#### SET UP A SPLIT CROSS-FADE (X-FADE)

As a final step, let's adjust the split point so that the split Piano and Sample Synth sounds will transition gradually between one another:

⑤ Press **X-FADE** (Shift+Split On/Set) twice to select the 2 option.

Playing across the Split point will now "cross-fade" between the lower and the upper sounds. With the 2 setting, the split LED above the keyboard is lit with a *red* light and the X-Fade reaches 12 semitones above and below the split point. When width is set to 1 the LED is *yellow*, giving an X-Fade zone of 6 semitones above and below the split point. When X-Fade is Off, the LED is *green*.

# 4 PIANO SECTION



## ON/OFF AND LEVEL

The Piano section is turned on by pressing either **LAYER** button. The LED equipped faders control the output level of each Piano Layer.

## LAYER BUTTONS AND FX FOCUS

There are two Piano Layers; **A** and **B**. Turning a second Layer On is done by pressing both Layer buttons simultaneously. Turning a Layer Off is done by holding its button down for a short period of time.

To toggle from one Layer to the other, press the non-active Layer button. With both Layers active, the focused Layer is indicated by a blinking LED above the Layer button.

Pressing a Layer button also focuses that Layer's effects for editing, indicated by the **FX FOCUS** LED at in the effects section and the Layer LED being lit with a red light.

## KB ZONE

Press **KB ZONE** (Shift+Layer A/B), to assign the focused Piano Layer to any of the active keyboard zones. The green LEDs indicate whether the Layer is assigned to the **LO** (lower), **UP** (upper) or both keyboard zones. Read more about Split set-ups and keyboard zones on page 18.

## OCTAVE SHIFT

Use **OCTAVE SHIFT** ◀ / ▶ to transpose the selected Piano Layer up or down by octaves (+/- 12 semitones). When assigned to the entire keyboard it can be transposed one octave up or down. When assigned to a smaller zone the available transpose values will vary, but always provide access to the entire range of the Piano.

## SUST PED AND VOL PED

**SUST PED** (Shift+Octave Shift Down) activates any attached sustain pedal for the selected Piano Layer. Read more on how to configure attached pedals in the Menus chapter, on page 29

**VOL PED** (Shift+Octave Shift Up) activates an attached control/volume pedal as volume control for the selected Piano Layer. The LED fader can still be used to set the maximum volume level of the selected Layer.

## ABOUT THE PIANO SOUNDS

The Pianos in the Nord Grand 2 are organized into six *types*. Each type can contain several instrument *models*. New piano sounds can be downloaded from the [www.nordkeyboards.com](http://www.nordkeyboards.com) website and added to the Nord Grand 2 by using the Nord Sound Manager.

The Nord Grand 2 has 2 GB of memory for Piano sounds and provides an extensive collection of carefully selected pianos of all types, right out of the box. Much effort was made to ensure a nuanced response and sound, matching the original models as closely as possible. Each piano has been sampled with a vast amount of velocity levels, which is one reason why they all sound and feel so authentic.

**i** *When you download piano sounds with the Nord Sound Manager, these are automatically placed into their corresponding Type.*

If a Program references a piano that is currently not downloaded onto the Nord Grand 2, the type LED will flash, and the display will read "Piano not found". If this happens, you can either navigate to another instrument Model of the selected (or any other) type and select to use this piano instead, or use the Nord Sound Manager application to download the missing instrument.

## ABOUT PIANO SIZE

Nord Piano Library sounds come in up to four different sizes. Below is an overview of how Grand and Upright piano sounds differ in functionality depending on size:

	Sml	Med	Lrg	XL
Detailed velocity mapping	✓	✓	✓	✓
String resonance for middle range		✓		
String resonance for entire range			✓	✓
Fully mapped keyboard				✓

*Small* (Sml) piano files use the least amount of space in the piano memory as they do not contain any pedal-down String Resonance samples at all.

The *Medium* (Med) versions include pedal-down String Resonance samples for the important middle region of the range.

The *Large* (Lrg) versions have the pedal-down String Resonance samples all across the keyboard.

Many pianos are also available in an *Extra Large* (XL) version. These are “fully mapped” across the keyboard, meaning that each key on the Nord matches its exact equivalent on the original instrument. This naturally results in a significant increase in size.

## PIANO SELECT

### TYPE AND MODEL

Use the **TYPE** button for selecting the desired type, or category, of piano sound. These are the six types into which all piano sounds are placed:

TYPE	DESCRIPTION
Grand	Acoustic and electric grand pianos
Upright	Upright pianos
Electric	Electric Pianos (tine and reed based)
Clav	Clavinet and Harpsichords
Digital	Digital and Layer piano sounds
Misc	Miscellaneous sounds

Use the **MODEL** dial to choose a piano sound within the selected Type. The Piano Select LEDs indicate the *Type* of the currently selected piano model. Depending on Prog View mode (see page 19), which governs what info is shown in the display, the *name* of the selected model may also be shown in the Program area display.



▶ Pearl Upright M  
EP2 Ideal Timbre L

### ABOUT THE CLAVINET

On the original Clavinet D6, different pick-up combinations were selected by pressing a number of rocker switches. This functionality is

faithfully simulated by the Nord Grand 2, which means that all original Clavinet D6 pickup selections are available.

### PICK-UP TYPE DESCRIPTION

*Clav Model A:* Only the “neck” pick-up; a warmer, less bright sound.

*Clav Model B:* Only the “bridge” pick-up; a bright sound.

*Clav Model C:* Both pick-ups on and in phase; a very full sound.

*Clav Model D:* Both pick-ups 180 degrees out of phase; the fundamental is almost cancelled out and the sound becomes thin.

💡 *The Clavinet also has its unique set of Piano Timbre settings, corresponding to EQ options of the original instrument. Read more on this on page 15.*

### LIST VIEW

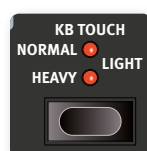
Pressing **SHIFT** and turning the **PIANO SELECT** dial activates the list view for piano sounds.

The Piano list top row displays the current *type* name (“Grand” in this case), the number of models of that type (8), and the index of the currently selected model (3).

Piano	Grand	3/8
White Grand		XL
Royal Grand 3D		XL
Soft Grand		L
Velvet Grand		L
Grand Imperial		L

*The list itself shows the currently selected model, indicated by a rectangle, as well as the preceding and following models.*

### KB TOUCH



Pianos from the Nord Piano Library typically have a very wide dynamic range, and their dynamic response can be adjusted according to what fits your preferences or the context of your performance.

The **HEAVY** setting represents a heavy piano action, which facilitates playing softly yet expressively. With each increment of the Touch setting (**NORMAL** and **LIGHT**) less effort is required to play loudly.

### DYNAMIC COMPRESSION

**DYN COMP** (Dynamic Compression) reduces the dynamic range of a piano sound by raising its minimum sound level, while retaining differences in *timbre*. Choose between the **1**, **2** and **3** settings, where 3 provides the most compression. This feature is useful for maintaining an audible performance and even sound level, even when playing very softly or dynamically.

💡 *Unlike the Compressor (Comp) effect in the Effects section, which affects the attack and contour of the sound (often desired traits when using compression as an effect) the Dyn Comp feature does not alter the character of the selected piano.*

## ACOUSTICS

### SOFT RELEASE



Activating **SOFT RELEASE** (Shift+KB Touch) will add a slightly longer and less pronounced release to acoustic piano sounds, equivalent to what happens when you adjust the damper tension on an acoustic instrument. The added release is individual for every note and responds dynamically to the force with

which you play. Electric Piano sounds instead have their release sound dampened significantly.

**i** *Some Piano types, such as Clavichords and Harpsichords do not support the Soft Release feature. In these cases the function will be disabled.*

### STRING RESONANCE

The **STRING RES** (String Resonance, Shift+KB Touch) feature is made up of two distinct components:

- 1 The dedicated *pedal down samples*, activated when pressing the sustain pedal, included in the Med, Lrg and XL sizes of Grand and Upright piano sounds. These were sampled with the sustain pedal pressed down, capturing the natural ambience and acoustics of the original instrument.
- 2 The simulated “sympathetic” String Resonance which occurs when strings of held notes are caused to vibrate at their fundamental or harmonic frequencies as other notes are being played.

The amount of “sympathetic” String Resonance can be adjusted in the Sound Menu, see page 29.

**i** *If a piano is selected that isn't compatible with the String Resonance feature, this function is disabled. This applies to e.g. the small (Sm) versions of the grand pianos and uprights and the electric pianos.*

### PEDAL NOISE

**PED NOISE** (Shift+Dyn Comp) is available if a *Nord Triple Pedal* or a *Nord Single Pedal 2* is connected to the Nord Grand 2 (see below). When activated, the mechanical noise that occurs with the sustain pedal on an acoustic or electric piano will be recreated. The Pedal Noise responds dynamically to the force used when the sustain pedal is operated.

The level of the Pedal Noise can be adjusted in the Sound Menu, see page 29.



**i** *If the selected piano is not compatible with the Pedal Noise feature, this function is disabled.*

## NORD TRIPLE PEDAL

The Nord Grand 2 is compatible with the Nord Triple Pedal 1 (Nord TP-1) and with the included Nord Triple Pedal 2 (Nord TP-2), the latter being attached to a dedicated jack labeled **TRIPLE PEDAL**.

💡 *The Nord Triple Pedal 1 (Nord TP-1) is attached to the **SUSTAIN PEDAL** jack.*

The Nord Triple Pedals are comprised of three pedals in one unit and unlock additional features both within the Piano section of the Nord Grand 2 as well as a number of highly useful options that are not specifically related to Piano playing. Settings for these options are found in the Pedal menu, see page 30 for more details.

The Nord TP-2 requires no additional settings when attached to its dedicated jack. For pedals attached to the Sustain Pedal jack, make sure that the Sustain Pedal Type setting in the Pedal menu is set to the specific type or model that is being used.

**i** *If both the Nord TP-1 and TP-2 are attached to the Nord Grand 2, the left and middle pedal of the TP-1 unit will be non-functional, as indicated by the “Sustain Only” text in the Pedals menu.*

### SUSTAIN AND HALF PEDALING

The right pedal always functions as sustain pedal. With the Nord Triple Pedals as well as the Nord Single Pedal 2 (Nord SP-2) this can be used with half pedaling techniques, achieved by pressing the pedal half way down. In this case the (virtual) dampers are only half-raised, for a partially dampened sound.

### SOSTENUTO

The middle pedal of the Nord Triple Pedals is by default the *Sostenuto* pedal. Using this, selected notes can be sustained while other notes remain unaffected. Notes that are already held down when the pedal is operated will sustain while subsequent notes, played while the pedal down is, will not be sustained.

💡 *There are a number of optional functions for the middle pedal, see page 30 for further details.*

### SOFT PEDAL

The left pedal on the Nord Triple Pedals is by default the *soft pedal*, also known as the *Una Corda*. When it is pressed down, all played notes will be slightly lower in volume and also have a slightly more subdued tone quality.

💡 *There are a number of optional functions for the left pedal, see page 30 for further details.*

## TIMBRE



Use the Piano **TIMBRE** settings to quickly alter the frequency response and character of the selected piano sound. The available options and the actual effect of each setting varies with the selected Piano Type, as outlined below.

### ACOUSTIC PIANO TIMBRE SETTINGS

The **SOFT** setting gives the sound a subdued and intimate quality by dampening high frequency content and emphasizing the low end

The **MID** mode de-emphasizes both high and low frequency ranges, making for a focused and cutting sound with a prominent mid-range.

The **BRIGHT** mode emphasizes the high frequency range, producing a very bright and brilliant sound.

### ELECTRIC PIANO TIMBRE SETTINGS

When an Electric Piano is selected, the Timbre settings are tailored specifically to suit these sounds.

The **SOFT** setting reduces the treble and bell sound, while retaining a focused and punchy sound.

The **MID** setting boosts the upper mid-range, adding “presence” and cut to the sound.

The **BRIGHT** setting boosts the upper mid-range and adds brilliance/treble, giving both presence and clarity to the selected piano sound.

The **DYNO 1** and **DYNO 2** settings are both based on sounds produced by a custom preamp and EQ, which was a common addition to tube based electric pianos in the 70's and early 80's. Both settings greatly enhance the inherent “bell” sound of the electric piano sound. The Dyno 2 setting also boosts the bass register, resulting in a distinctly “mid scooped” sound.

### CLAV TIMBRE SETTINGS

An original Clavinet is equipped with 4 rocker switches which control the onboard EQ. Most of the combinations produced by these switches are available on the Nord Grand 2.

*Available settings are: Soft, Treble, Soft+Treble, Brilliant, Soft+Brilliant, Treble+Brilliant, Soft+Treble+Brilliant.*

## UNISON



The **UNISON** feature uses transposed voices from neighbouring keys to create a stereo Unison effect. This can be used for stereo widening of mono sources such as electric pianos or for adding width and chorus-like shimmer to acoustic pianos. At the highest setting larger degrees of detune is applied. There are three different degrees of Unison, **1**, **2** and **3**, ranging from a subtle stereo effect to more obvious detuning.

### PIANO INFO

Pressing **INFO** (Shift + Unison) displays some additional info about the currently selected model, such as its version number and its exact size.

# 5 SAMPLE SYNTH



## ON/OFF AND LEVEL

The Sample Synth section is turned on by pressing either **LAYER** button. The LED equipped faders control the output level of each Sample Synth Layer.

## LAYER BUTTONS AND FX FOCUS

There are two Sample Synth Layers; **A** and **B**. Turning a second Layer On is done by pressing both Layer buttons simultaneously. Turning a Layer Off is done by holding its button down for a short period of time.

To toggle from one Layer to the other, press the non-active Layer button. With both Layers active, the focused Layer is indicated by a blinking LED above the Layer button.

Pressing a Layer button also focuses that Layer's effects for editing, indicated by the **FX FOCUS** LED in the effects section and the Layer LED being lit with a red light.

## KB ZONE

Press **KB ZONE** (Shift+Layer A/B), to assign the focused Sample Synth Layer to any of the active keyboard zones. The green LEDs indicate whether the Layer is assigned to the **LO** (lower), **UP** (upper) or both keyboard zones. Read more about Split setups and keyboard zones on page 18.

## OCTAVE SHIFT

Use **OCTAVE SHIFT** ◀ / ▶ to transpose the selected Sample Synth Layer up or down by octaves (+/- 12 semitones). When assigned to the entire keyboard it can be transposed one octave up or down. When assigned to a smaller zone the available transpose values will vary, but always provide access to the entire range of the Sample Synth.

## SUST PED AND VOL PED

**SUST PED** (Shift+Octave Shift Down) activates any attached sustain pedal for the selected Sample Synth Layer. Read more on how to configure attached pedals in the Menus chapter, on page 30.

**VOL PED** (Shift+Octave Shift Up) activates an attached control/volume pedal as volume control for the selected Sample Synth Layer. The LED fader can still be used to set the maximum volume level of the selected Layer.

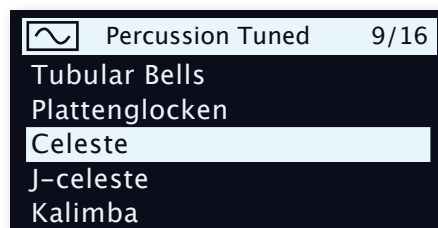
## SELECTING A SAMPLE INSTRUMENT

The **CATEGORY** dial is used for navigating and selecting any of the available categories, as hinted by the display.

When a category is selected, all sample instruments within that category are available for selection with the **SAMPLE** dial. The position and name of the selected sample instrument is shown in the display.

## LIST VIEW

Pressing **SHIFT** while turning the **CATEGORY** or **SAMPLE** dial allows for browsing sample instruments in a list view. Use the Category and Sample Select dials for navigation, just like in non-list mode.





## SHAPING THE SOUND

There are several ways to fine-tune the sound and behaviour of a loaded sample instrument, in order to make it more or less dynamic and responsive and to shape its contour. Each sample instrument comes with *preset* values for some of the parameters below, which are automatically loaded when a sample instrument is selected. All controls can also be adjusted manually.

### DYNAMICS

The **DYNAMICS** control determines the velocity response for the selected sample instrument.

With each Dynamics setting; **1**, **2** and **3**, the sample instrument has an increased dynamic range. When Dynamics is turned off, all velocity controlled parameters, including preset filter settings are deactivated.

### ATTACK, SUSTAIN AND DECAY/RELEASE

These controls allow for setting the contour, or envelope, of the Sample Synth sound:

**ATTACK** controls the time it takes for the sample to reach its full level.

With settings before 12 o'clock the **DECAY/RELEASE** knob is in Decay mode, and determines how quickly the sound fades with the key still being pressed down.

At 12 o'clock the sound is in **SUSTAIN** mode, meaning that a sample instrument will sound as long as the key is being pressed. Settings past 12 o'clock give the sound an increasingly long tail after the key has been released.

### TIMBRE

The **SOFT** setting activates a custom filter which dampens high frequency content in the sample instrument, useful for making brighter sounds more subdued.

With the **BRIGHT** setting, high frequency content in the sample instrument is emphasized. This can be useful for having a sound cut through better, for instance in a layer configuration.

### MONO/LEGATO

With the **MONO** or **LEGATO** voice mode active, only one note is played at a time, just like on a traditional monophonic synthesizer. In Mono mode the sound is retriggered with each stroke whereas it is only retriggered with detached ("non-legato") strokes in Legato mode.

When none of the Mono and Legato LEDs are lit, the Sample Synth section is in its default polyphonic mode.

### GLIDE

The **GLIDE** function makes the pitch "glide" from one note to the next when playing (traditionally referred to as *portamento*) and is available in Legato and Mono voice mode only. The **1**, **2** and **3** (both LEDs being lit) settings provide three different Glide times to choose from.

### UNISON

The **UNISON** feature creates an ensemble-like sound by combining multiple, slightly detuned and stereo panned, voices borrowed from neighbouring notes.

There are three different degrees of Unison, **1**, **2** and **3**, each providing an increasing degree of detune and stereo spread.

### VIBRATO

When set to **ON** the Vibrato is instantly applied to the selected Sample Synth sound when a note is played.

In **DLY** (delay) mode the Vibrato is introduced some time after a note is played. The Vibrato delay time can be set to an appropriate value in the **RATE/AMT** menu, see below.

When set to **PEDAL** the Vibrato is activated by using an attached pedal. This could be the left or middle pedal of a Nord Triple Pedal or a pedal attached to the Foot Switch jack. Settings related to this feature can be found in the **PEDAL** menu (Shift + Program 5), see page 30 for details.

### VIBRATO RATE/AMT

The Rate, Amount and Delay time for the Vibrato are set in the **RATE/AMT** menu (Shift + Vibrato). Each of these parameters is accessed by pressing its corresponding soft button.

Rate can be set to values between 2 and 8 Hz and Amount between 0 and 10. The Delay time can be set to values between 0.2-2.0 seconds.

**i** When a sample instrument is loaded, settings for Vibrato Rate and Amount are loaded as part of its sample instrument preset.

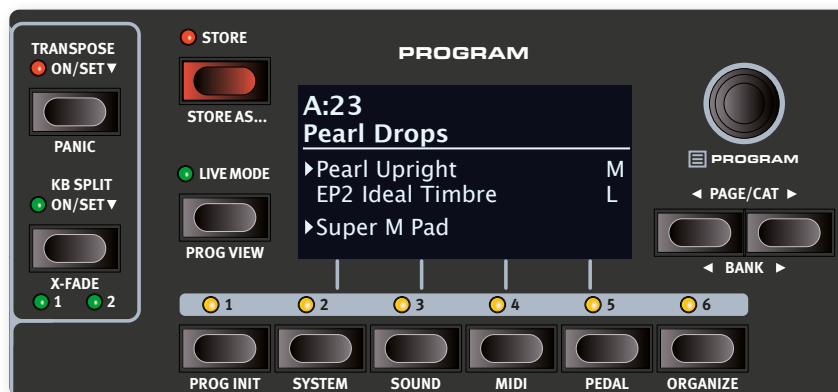
### VIBRATO BUTTON



The **VIBRATO** button at the far left of the panel can be used for applying Vibrato in real time, using the Rate and Amount settings made in the Sample Synth section.

The **ENABLE** (Shift+Vibrato) parameter can be used for turning on or off this function on a per-Layer basis, making it possible to apply Vibrato using the button to one Layer but not the other, for instance in a split set-up.

# 6 PROGRAM



The centrally located Program section provides access to performance functions such as loading and storing programs, access to Live programs, keyboard split functionality and more. This is also where menus containing *System*, *Sound*, *Pedal* and *MIDI* settings are found as well as the Organize mode, used for rearranging Programs. The menus and their settings are covered in a separate chapter, starting on page 29.

## TRANPOSE ON/SET



The Nord Grand 2 can be transposed in +6/-6 semitone steps on a per-program basis. To set the transpose value, press and *hold down* **ON/SET** and then use the dial to choose a setting. Pressing **ON/SET** turns the function On or Off. Transpose settings are saved and recalled as part of a program.

💡 To set up a transpose that affects **all** programs, use the *Global Transpose* parameter in the *System Menu*.

## PANIC

If hanging notes are experienced when using the Nord Grand 2 in a MIDI setup, or if all sound should be terminated for other reasons, use the **PANIC** (Shift+Transpose) function. This will execute an internal “All Notes Off” message and reset the sustain pedal.

## KB SPLIT



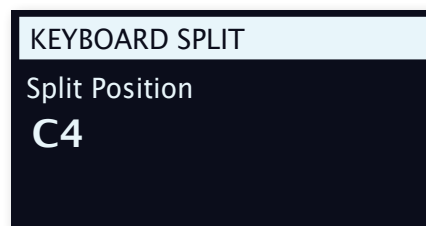
The Nord Grand 2 keyboard can be split into two zones, where each Piano or Sample Synth Layer can be assigned to either or both of these zones, allowing for many different combinations of layered and split sounds.

## KEYBOARD SPLIT SETTINGS

Press the **ON/SET** button to activate a split and hold it down, as indicated by the arrow symbol, to open up the Keyboard Split page in the display.

### CHOOSING A SPLIT POSITION

Use the dial to choose one of the 10 keyboard split positions, *F2-C7*. LEDs are provided above the keyboard, indicating which split position is active.



### SPLIT X-FADE SETTINGS

Normally the transition between two keyboard zones is immediate, with no overlap between the sounds selected for each zone. By activating *X-Fade* (cross-fade), sounds can instead be mixed or “cross-faded” across the split point, creating a smoother transition between sounds. There are three different settings, selectable by pressing **X-FADE** (Shift+Split On/Set):

*Off*: When X-Fade is off there is no cross-fade between sounds.

**1**: The 1 setting represents a cross-fade range of  $\pm 6$  semitones. The sound *below* the split point fades out across 6 notes *above* it and sounds *above* the split point will similarly reach 6 notes *below* it.

**2**: The 2 setting provides a range of  $\pm 12$  semitones, 12 below the split point and 12 above it.

## STORE



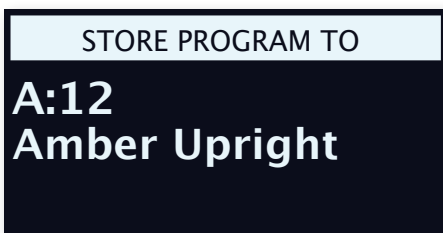
The **STORE** button is used for storing an edited program to a location in the program banks. Storing a program overwrites existing data at the selected memory location.

**i** When the Nord Grand 2 is shipped from factory its memory is protected. To be able to store Programs the Memory Protect parameter needs to be set to "Off" in the System menu. Read more about this on page 29.

### STORING A PROGRAM

Here is how to store a program *without* changing its name:

- 1 Press the **STORE** button once. The Store LED will start blinking, and the display will show the name of the program and its location.



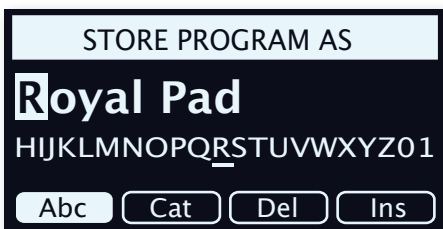
- 2 To select a different store location use the dial and/or the **PROGRAM 1-6** buttons. A program can also be stored to one of the Live program locations by pressing the **LIVE MODE** button and then selecting the desired Live program. The program at the selected destination can always be auditioned by playing the keyboard.

**i** To cancel an ongoing Store operation, press **EXIT**.

- 3 When a suitable location has been selected, press **STORE** again to confirm the operation.

### NAMING A PROGRAM (STORE AS...)

- 1 To store *and name* your program press **STORE AS...** (Shift + Store).
- 2 Press the **Abc** soft button to bring up a row of alphanumeric characters. Use the dial to set the character for the current position. Release the **Abc** button to advance to the next character. The dial can be used to move the cursor freely. The **Ins** soft button is used for inserting a blank space at the cursor position and the **Del** soft button is used for deleting the selected character.



- 3 To assign your program a category hold down the **Cat** soft button and select one of the categories from the list.
- 4 Press **STORE** to bring up the *Store Program To* screen. Use and/or the Program buttons to select a location. Note that the sound at the selected location can be auditioned by playing the keyboard.
- 5 When a suitable location has been selected, press **STORE** again.

**i** Naming programs can also be done with the Nord Sound Manager.

## SHIFT/EXIT BUTTON



Many controls have a *secondary* function which is accessed by holding **SHIFT** and pressing the button or turning the dial. Shift functions are always printed *below* the corresponding control. For example, holding Shift and pressing the Program 3 button will open up the Sound Menu. The Shift button is also used to **EXIT** menus, or for cancelling Store operations.

## LIVE MODE



The Nord Grand 2 has six easy-to-access Live programs. These programs are special in that edits to them are *automatically stored*. When exiting a Live Program or powering off the machine all edits are saved, without the need for a manual Store operation. To select a Live Program, press **LIVE MODE** and then any of the 1-6 buttons in the Program area.

A Live program can be stored to a location in the program banks using the standard Store methods (see above). Conversely, a regular program can also be stored into a Live program location.

## PROG VIEW (PROGRAM VIEW)

Pressing **PROG VIEW** (Shift+Live Mode) switches between two distinct view modes for the display. The default view shows only the Program name and number, with the lower half of the display reserved for showing parameter hints as panel controls are changed.

The second view mode shows the Program name and number in smaller print and utilizes the lower half of the display to show the current selection for each active Layer.

**i** The lower half of the display will show parameter hints as panel controls are adjusted in this view mode too, temporarily hiding the Piano and Sample Synth Layer information.

## PROGRAM BUTTONS

The **PROGRAM 1-6** buttons give you immediate access to a range of six programs – a *Page* – within the current program bank. They are also used as *soft buttons* when operating menu settings. Read more about soft button functionality on page 8.

### WHAT IS A PROGRAM?

A *Program* contains references to the selected piano and/or sample sounds, effects settings and all other settings made on the panel except for Master Level. A program does *not* store settings made in the System, Sound, MIDI and Pedal menus.

### SYSTEM, SOUND, MIDI AND PEDAL MENUS

Press **SYSTEM** (Shift+Program 2), **SOUND** (Shift+Program 3), **MIDI** (Shift+Program 4) or **PEDAL** (Shift+Program 5) to enter the System, Sound, MIDI or Pedal menu. To read more about the menus and all available settings, turn to page 29.

## PROGRAM

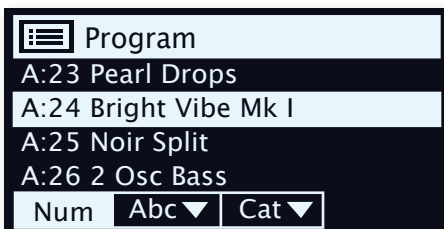


The **PROGRAM** dial to the right of the display is primarily used for selecting programs, but is also used for other tasks such as setting parameter values and for entering characters in program names. Pressing **SHIFT** while turning the dial activates the **LIST** function, which will display all programs in a list.

### PROGRAM LIST, ABC AND CAT

The **LIST** (Shift+Program dial) view provides a good overview when browsing programs linearly (**Num** selected in the display) but also presents two additional sort modes: **Abc** (Program 2) and **Cat** (Program 3).

*Abc* sorts the list alphabetically while *Cat* displays all programs of the selected category. To select a specific character or category, hold down the **Abc** or **Cat** soft button respectively (as indicated by the “▼” symbols) and use the dial.



**i** The chosen sort mode is remembered when List view is entered again.

## PROG INIT

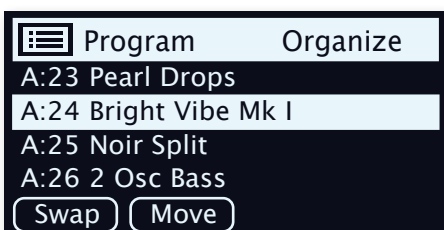
The **PROG INIT** function (Shift+Program 1 button) allows for initializing a Program to a single Piano Layer, with no effects active. This is useful for quickly creating a blank slate when setting up a new sound.

## ORGANIZE MODE

The **ORGANIZE** (Shift+Program 6) mode allows for moving or "swapping" programs within the program banks.

### ENTER THE ORGANIZE VIEW

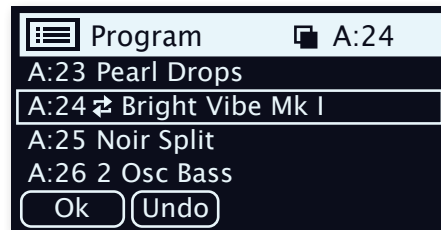
① Press **ORGANIZE** (Shift + Program 6)



## SWAP TWO PROGRAMS

A Swap operation interchanges the positions of two programs.

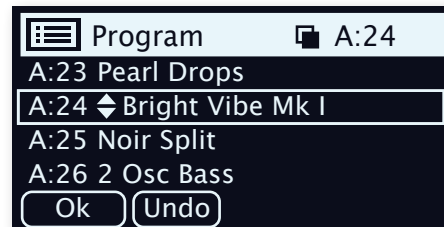
② Use the dial to select the program location which should be swapped with another and press **Swap**.



③ Use the dial to select the destination and press **Ok** to complete the Swap operation. Pressing **Undo** will instead cancel the operation.

## MOVE A PROGRAM

④ Use the dial to select a program which should be moved to another location and press **Move**



⑤ Select the *destination* location for the operation, using the dial, and press **Ok**. Pressing **Undo** will instead cancel the operation.

⚠ Note that programs between the source and destination locations are shifted one step up or down, changing which programs are part of each page within the affected range.

**i** Programs can also be organized using the Nord Sound Manager.

## MIDI LED INDICATOR

**MIDI** The **MIDI** LED, located below the Master Level dial, blinks as incoming MIDI messages are received by the MIDI In port, or over the USB connection.

# 7 EFFECTS



## OVERVIEW

Each Piano and Sample Synth Layer has its own, independent, effects chain, enabling different effects and settings to be used for each sound source on the Nord Grand 2. The one exception is the **GLOBAL REVERB** effect which, as the name indicates, is globally shared by all Layers in a Program. With the Reverb set to the **LAYER SEND** mode however, its Dry/Wet level can be set individually per Layer – all other Reverb settings still being shared.

## ACTIVATING EFFECTS AND GLOBAL MODE

To enable an effect, press its **ON** button.

The Equalizer, Compressor and Delay effects can be set to **GLOBAL** mode, which applies the effect to all Piano and Sample Synth Layers. This is done by pressing Shift+On for that effect. When turning Global mode off all Layers will share the same settings for that effect, until modified manually.

## FX FOCUS (EFFECTS FOCUS) AND FX OFF

The focus for the Effects section *automatically follows* the focus of Layer buttons in the Piano and Sample Synth sections, as they are pressed on the panel.



Focusing a particular Layer for editing can also be done by pressing the **PIANO** or **SYNTH** button in the **FX FOCUS** area.

The current FX Focus is indicated by the LEDs in the **FX FOCUS** area.

Pressing **FX OFF** (Shift+FX Focus Synth) turns all effects units off, for all Layers. Useful for starting from a clean slate or for monitoring how a Program sounds without the active effects. Pressing FX Off again toggles the effects back on again, unless effects have been modified manually since being turned off.

## MOD 1

The **MOD 1** unit offers six different types of modulation effects. Use its Selector button to switch between the available settings, the **RATE** knob to set the rate (speed) of the selected effect and the **AMOUNT** knob to set the amount or intensity of the effect.



### CTRLPEDAL (CONTROL PEDAL)

All effects in the Mod 1 unit can be controlled by an expression pedal attached to the **CTRL/VOL PEDAL** jack, achieved by pressing **CTRLPED** (Shift+Selector button). For the Tremolo and Pan effects the pedal controls the *Amount*, whereas the Spin, Wah and the Ring Modulator have their *Rate* controlled by the pedal.

### TREM (TREMOLLO)

**TREM** (Tremolo) provides a smooth volume modulation that continuously varies the volume level of the output signal. Tremolo is a very common effect to use with electric pianos.

### PAN 1 & 2

**PAN 1** is an automatic panning modulation which smoothly moves the signal between the left and right sides of the stereo panorama.

The **PAN 2** setting provides a harder panning option, more in line with the traditional “vibrato” effect often used with electric pianos.

### SPIN

The **SPIN** effect emulates the sound of a rotating speaker. This effect is useful for giving the sound source a sense of motion, where changes in Rate are carried out in a ramping fashion with the speed of the effect being gradually changed.

## WAH

The **WAH** (Wah-Wah) effect gives the sound a characteristic, “Quack”-like character and can be extremely useful on electric pianos and Clavinets. The Wah-Wah modulation is produced by a resonant lowpass filter that can be swept across the frequency range using the Mod 1 **RATE** knob. During the sweep, the filter’s characteristics also changes.

The Wah effect uses the signal’s amplitude to control the filter sweep range, making the effect “velocity sensitive” (technically referred to as an “envelope follower”).

💡 *This effect can also be used as a traditional Pedal Wah with an expression pedal connected to the Vol/Ctrl Ped jack, and the **CTRLPED** mode for Mod 1 being engaged.*

## RM (RING MODULATION)

Ring Modulation (**RM**) is a type of modulation where two signals are multiplied with each other, resulting in an in-harmonic “bell like” sound. On the Nord Grand 2 the instrument signal is multiplied with a sine wave.

The Rate knob adjusts the frequency of the modulating sine wave.

## MOD 2

**MOD 2** provides a selection of modulation effects, including two types of Phaser, a Flanger, two Chorus types and a Vibe effect. Each effect has its rate controlled by the Mod 2 **RATE** knob while the **AMOUNT** knob controls the intensity of the effect.



### MONO

By default all effects in the Mod 2 unit operate in *stereo*. Press **MONO** (Shift+Mod 2 selector) to change to mono processing instead.

### PHASER 1 & 2

The **PHASER** effect produces a characteristic “sweep” effect, commonly used with electric piano sounds. The digital models for the phasers of the Nord Grand 2 are inspired by classic units such as the Bi Phase and the Small Stone.

### FLANGER

The **FLANGER** produces a dramatic comb filter effect, giving the sound a “swooshy” and resonant quality.

### CHORUS 1 & 2

The versatile **CHORUS 1** effect gives the impression of “widening”, or with more extreme settings severely detuning, the sound – achieved by blending a number of modulated copies of the audio signal.

**CHORUS 2** is based on a classic pedal effect which in the default stereo mode provides lush stereo widening, especially when set to lower rates and amounts. At higher rates and amounts the effect takes on a distinct vibrato character, especially in the optional Mono operation mode.

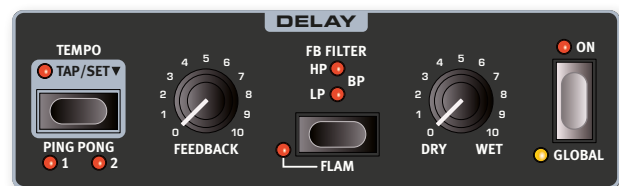
## VIBE

The **VIBE** effect draws its inspiration from a classic foot pedal effect and produces a sound with both pitch-bending and phasing qualities. The effect is created through a digital model of a staggered series of phasing filters, unlike the usually aligned filters of a normal phasing effect.

## DELAY

The **DELAY** unit produces echo/repeat effects. The Delay time is set by tapping the **TEMPO** button, or by pressing down on it and **SET** the tempo using the Program section dial.

💡 *With the Tempo button pressed down, the Delay Feedback knob can also be used for adjusting the tempo, making for a neat, “one hand” short-cut for setting a value.*



The **FEEDBACK** knob controls the number of delay repeats. At the lowest setting only the initial repeat is heard, while the highest produces a very long feedback tail.

The **DRY/WET** knob adjusts the balance between the dry signal and the delay repeats.

The Delay effect can be set to **GLOBAL** (Shift+On) mode, which applies the current settings to all Piano and Sample Synth Layers

### PING PONG

With **PING PONG** (Shift+Tempo) turned on, the delay repeats alternate between the left and right channels. If short delay times are used, these repeats will be “asymmetrical” and produce delays that are more like early reflections in reverb units.

There are three settings to choose from (**1**, **2** and **3** with both LEDs lit), giving an increasing amount of pan for the delay repeats.

### FB FILTER

The feedback filters, selected with the **FB FILTER** button, are great tools for shaping the delay sound, especially when large feedback amounts are used. Each consecutive Delay repeat is fed through the filter, resulting in a progressively more filtered sound.

With the **LP** setting, all delay repeats are passed through a *Low Pass* filter which reduces high frequency content in the delay feedback signal.

The **HP** setting provides a *High Pass* filter, removing low frequency content. This can be useful for making long delay tails sound less muddy.

The **BP** setting adds a *Band Pass* filter to the delay signal. This will reduce both high and low frequencies, making for a thin and narrow sound.

## FLAM

The **FLAM** effect produces a stereo delay with offset left and right channels. This is useful at short delay times for room effects, or for more complex sounds at longer delay times.

Combined with the Ping Pong mode, the Flam effect instead produces multiple repeats per left and right tap.

## TEMPO TAP

Use **TAP** to set a delay time matching the tempo of a song. The tempo is displayed both as a BPM (Beats Per Minute) value as well as in milliseconds. Simply tap the Tempo button at the tempo you wish the Delay to sync to a number of times, and the Delay time will be adjusted automatically.

💡 *A minimum of two taps is required for defining a tempo, but the button can be tapped as many times as needed for further fine-tuning of the delay time.*

## EQUALIZER

The three band **EQUALIZER** features controls for bass, a sweepable middle band and treble.

The equalizer can be set to **GLOBAL** (Shift+On) mode, which applies the same settings to all Piano and Sample Synth Layers.



The **BASS** frequency is 100 Hz, the **TREBLE** frequency is 4 kHz and the sweepable middle band can be set between 200 Hz to 8 kHz, using its **FREQ** knob.

The boost/cut range is +/- 15 dB for all bands.

## AMP

The **AMP** unit includes sophisticated amplifier and speaker cabinet simulations and versatile tube-like distortion. The amount of overdrive is controlled with the **DRIVE** knob. The LED indicates when the overdrive is active.



## TUBE OVERDRIVE

With no Amp Model selected the Amp unit provides a tube style overdrive effect which can be used for anything from subtle saturation to screaming distortion.

## AMP MODELS

There are three different amplifier/speaker simulations, each with its distinct character:

**SMALL:** A simulation of the built-in tube amp and speakers of a reed-based electric piano.

**JC:** A simulation of a classic solid-state amplifier and speaker cabinet.

**TWIN:** A simulation of a classic twin speaker tube amplifier and cabinet.

## ALT TONE

The **ALT TONE** setting (Shift+selector button) alters the frequency response and character of each amplifier model.

For the Twin and JC models, the mid range changes in character and the treble is reduced. For the Small amp model, Alt Tone provides an even smaller amp and speaker simulation which is distinctly “radio like” in character.

## COMPRESSOR

The **COMP** (Compressor) effect reduces the dynamic range of the sound, making low level signals louder and high level signals more quiet. This produces a tight, punchy sound and makes the overall level easier to control in a live mix situation.

The **ACTIVE** LED indicates when the Compressor threshold is surpassed and compression is applied to the source sound.



The Compressor effect can be set to **GLOBAL** (Shift+On) mode, which applies the same settings to all Piano and Sample Synth Layers.

## GLOBAL REVERB

The **GLOBAL REVERB** unit simulates the natural sound reflections in various acoustic environments. The Reverb is a “global” effect, which is to say that its settings are shared by *all* active Layers, unless Layer Send is active (see below) in which individual Dry/Wet amounts can be set per Layer.



### REVERB TYPES AND PRE-DELAY

There are six different Reverb types to choose from:

**SPRING:** The Spring setting reproduces the sound of a traditional spring reverb tank, a common feature on tonewheel organs, in guitar amplifiers and in many other kinds of equipment.

**BOOTH:** Represents a small room with very short decay time.

**ROOM:** In Room mode the Reverb has the character of a medium sized room with a relatively short decay time.

**STAGE:** The Stage Reverb has a medium length decay time and a natural sounding room ambience.

**HALL:** The Hall setting has the response and character of a spacious hall, with a long decay.

**CATH:** The Cathedral is a very large and immersive reverb, with a very long decay time.

With **PRE-DELAY** (Shift+Reverb type selector) active the wet signal is delayed in relation to the dry component. This can be used for better preserving articulation, especially when high Dry/Wet amounts are being used.

### BRIGHT/DARK AND CHORALE

The **BRIGHT** or **DARK** mode can be used for all Reverb types to alter the frequency response of the Reverb. Set to Bright, low frequencies are slightly dampened and more high frequency content is preserved in the Reverb signal. The Dark mode instead dampens high frequencies.

The **CHORALE** setting (Shift+Bright/Dark) increases the pitch modulation of the Reverb signal for a more lively and effected sound.

### LAYER SEND

Even though the Reverb on the Nord Grand 2 is a global effect – with shared settings for all Layers – individual Dry/Wet amounts can be set per Layer. This is achieved by activating **LAYER SEND** (Shift+On) and then adjusting the Dry/Wet amount manually per Layer.

When Layer Send is turned off, the Dry/Wet amount for the currently focused Layer is applied to all Layers.



# 8 MIDI

## MIDI FUNCTIONS

The Nord Grand 2 can be used as a master keyboard to control other hardware units or software sound sources, and it is also possible to control the Nord Grand 2 from a separate keyboard or MIDI device.

### MIDI CHANNEL

The MIDI channel is used both for transmitting and receiving MIDI information, at the same time. It allows for external control over every aspect of the Nord Grand 2 – much like playing its own keyboard – and is used for sending keyboard, pedal and panel actions to another MIDI device or sequencer.

*MIDI messages are transmitted and received on both the USB and MIDI In/Out connections simultaneously.*

### RECORDING A NORD GRAND 2 PERFORMANCE TO A MIDI SEQUENCER OR DAW

Here is how to record a Nord Grand 2 performance including any pedal actions and parameter adjustments to a DAW or MIDI sequencer.

- 1 Set the DAW or sequencer to use the Nord Grand 2 USB MIDI driver, if connected through USB, or the appropriate MIDI interface if connected through the 5-pin MIDI connectors.
- 2 Set the DAW or sequencer track to route back incoming MIDI on the MIDI channel set on the Nord Grand 2.
- 3 Set Local in the System menu to *Off* on the Nord Grand 2.
- 4 Select the Program on the Nord Grand 2 that you wish to use.
- 5 Start the recording on the sequencer.

**i** If a *Transpose* value is set, either by the panel *Transpose* function or the *Global Transpose* setting in the System menu, its effect on MIDI depends on the “*Transpose MIDI at*” setting – see page 29.

## MIDI MESSAGES

The following MIDI messages can be transmitted and received by the Nord Grand 2:

### NOTE ON/OFF

- Note On and Note Off messages including velocity are transmitted and received.

### CONTROLLERS

- From the System menu it can be determined whether the Nord Grand 2 should transmit and/or receive Control Change messages, see page 30.
- If a Control/Expression pedal is connected to the Control/Volume Pedal Input, this is transmitted and received as Controller 11 (Expression).
- If a sustain pedal is connected to the Sustain Pedal Input, this – as well as the right pedal of a Nord Triple Pedal – is transmitted and received as Controller 64 (Sustain Pedal).
- Almost all other controls (knobs and buttons) on the front panel are also transmitted and received as Control Change messages. This can be used for recording front panel actions into a MIDI sequencer. For a full list of MIDI Control Change messages, refer to page 33.

## PROGRAM CHANGE

Loading a Program or Live Program will send a Program Change message on the Global MIDI channel, each content type identified by its Bank MSB value. Conversely, incoming Program Change messages will select the corresponding content on the Nord Grand 2.

One MIDI program bank encompasses three banks of 36 programs each on the Nord Grand 2, with program numbers 1-108 being used. The message consists of three parts, as defined in the table below:

	Program	Live
Bank MSB (CC# 0)	0	1
Bank LSB (CC# 32)	0-5	0
Program Change	1-108	1-6

**i** A *Program Change* message that reaches the Nord Grand 2 unaccompanied by *Bank Select* messages will take effect in the currently selected *Program* or *Live* bank.

In the System Menu, you can select if the Nord Grand 2 should send and/or receive Program Change messages on the currently set MIDI channel. See page 29 for further details.

## LOCAL CONTROL ON/OFF

If Local Control is set to *Off*, the keyboard and panel on the Nord Grand 2 are “disconnected” from its sound engines. Use the *Off* setting when the instrument is set up in a MIDI loop, for instance when using it in conjunction with a DAW or sequencer. Local Control On/Off is set in the System menu, which is described on page 29.

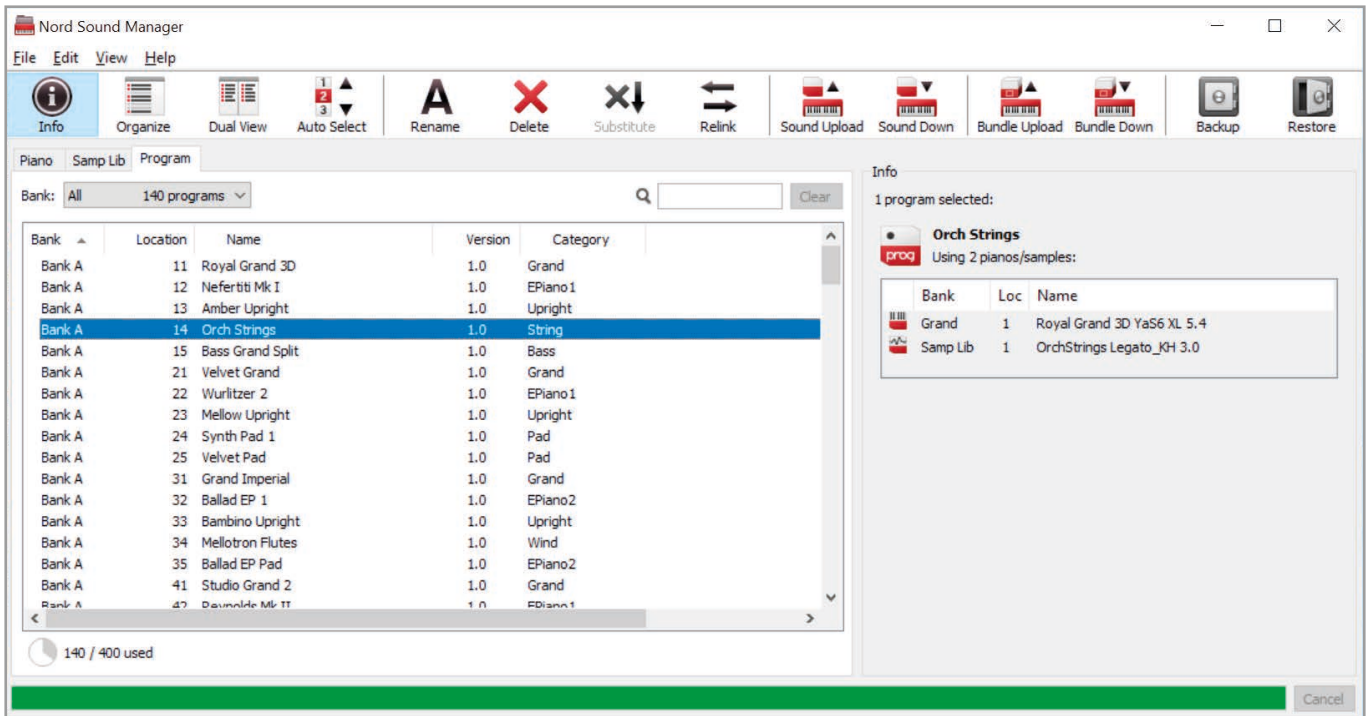
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## PANIC



If hanging notes are experienced when using the Nord Grand 2 in a MIDI setup, or if all sound needs to be terminated for other reasons, use the **PANIC** (Shift+Transpose) function. This will execute an internal “All Notes Off” message, and reset incoming CC messages.

# 9 NORD SOUND MANAGER



## ABOUT NORD SOUND MANAGER

Nord Sound Manager is an essential application for any owner of a Nord instrument, which allows for organizing, altering and backing up content within the various memory areas on the Nord Grand 2. These are some of the common tasks performed through the Nord Sound Manager:

- Organizing and naming Programs
- Downloading new Piano sounds to the Piano partition
- Downloading new Samples to the Sample partition
- Uploading Programs from the Nord Grand 2 to a computer
- Uploading *bundles* containing programs *and* their associated piano and sample files
- Performing backups of the entire instrument
- Restoring the entire instrument to a previous state

The Nord Sound Manager *and the user manual* for the application can be found at the [www.nordkeyboards.com](http://www.nordkeyboards.com) website, in the *Software* area.

## SYSTEM REQUIREMENTS

Mac OS X 10.13 or later

64 bit versions of Windows 7-11.

Nord Keyboards USB Driver version v4.0 or later is required for Windows. The driver comes bundled with the Nord Grand 2 OS updaters, as well as with the installers for both Nord Sound Manager and Nord Sample Editor 4.

# 10 NORD SAMPLE EDITOR 4



## ABOUT NORD SAMPLE EDITOR 4

The Nord Sample Editor 4 is a tool for creating custom sample instruments, playable on your Nord Grand 2. Simply press record or drop audio files (.wav or .aiff) on the desired keys, set Start, Stop and Loop points in the waveform editor and your custom sample is ready to be transferred to your connected Nord Grand 2!

Whether creating a fully mapped instrument, a simple FX sound or assigning a sampled song intro to a single key, the Nord Sample Editor 4 opens up many possibilities together with the Nord Grand 2. Here are some of the key features:

- Intuitive user interface
- Built-in recording functionality
- Drag and drop single or multiple samples
- Automatic and manual import options
- Edit multiple zones at once
- Support for silent zones

The Nord Sample Editor 4 can be downloaded from the *Software* section at [www.nordkeyboards.com](http://www.nordkeyboards.com).

## SYSTEM REQUIREMENTS

Mac OS X 10.13 or later

Windows 7-11.

Nord Keyboards USB Driver version v4.0 or later is required for Windows. The driver comes bundled with the Nord Grand 2 OS updaters, as well as with the installers for both Nord Sound Manager and Nord Sample Editor 4.

# 11 MENUS

Any settings that are made in the *System*, *Sound* and *MIDI* menus will take immediate effect, and will be stored until they are changed again.

**i** *The Local Control MIDI setting is an exception and will always revert to “On” when the Nord Grand 2 is powered up.*

Enter a menu by holding **SHIFT** and pressing **SYSTEM**, **SOUND**, **MIDI** or **PEDAL** (Program buttons 2, 3, 4 and 5). Menus are navigated with the **PAGE** buttons and settings are changed with the **PROGRAM** dial. Soft buttons are also used to access additional settings, where applicable. Exit a menu by pressing **EXIT** (Shift).

## SYSTEM MENU

### 1 - MEMORY PROTECT

The memory protection setting is *On* when a Nord Grand 2 leaves the factory, preventing accidental overwriting of programs. Setting this to *Off* enables Store operations. Menu settings and Live programs are not affected by this setting.

*Range: On (default), Off*

### 2 - GLOBAL TRANSPOSE

This setting allows for transposing the entire Nord Grand 2 in semitone steps. This setting will be *added* to any on-panel transpose value stored with a program.

*Range: +/- 6 semitones (default value is “none”)*

### 3 - FINE TUNE

Fine Tune can be used to fine tune the pitch of the Nord Grand 2 in finer increments.

*Range: +/- 50 Cents (+/- half a semitone). Default value is “0”*

### 4 - LED INTENSITY

The panel LEDs can be set to either low or high intensity, which can be useful for adapting to different lighting conditions.

*Range: Low, High (default)*

### 5 - VERSION AND MODEL INFO

The Version and model info menu page shows the full version number of the currently installed OS (Operating System) and, when turning the Program dial, hardware information for the instrument.

*Use the Program dial to switch between Version and Model info*

## SOUND MENU

### 1 - PROGRAM LEVEL

Adjusts the total output level of the currently loaded Program by adjusting all of its Layer levels. Note that the Program needs to be stored for the adjustment to stick.

*Range: +/- 12 dB*

### 2 - OUTPUT

The output of the Nord Grand 2 can be set to either the default Stereo mode or to Mono mode, in which case outputs 1 and 2 supply identical mono signals.

*Range: Stereo (default), Mono*

### 3 - PIANO PEDAL NOISE LEVEL

Sets the level of the dynamic Pedal Noise feature which can be turned on for pianos that support it, if a Nord Triple Pedal or Nord Single Pedal 2 is connected to the Nord Grand 2.

*Range: +/- 6 dB (0 dB default)*

### 3 - PIANO STRING RES LEVEL

Sets the level of the String Resonance feature that can be turned on for selected pianos (acoustic Med, Lrg and XL sizes).

*Range: +/- 6 dB (0 dB default)*

## MIDI MENU

### 1 - LOCAL CONTROL

MIDI Local Control determines if the Nord Grand 2 keyboard and panel will control internal sound engines and programs or only transmit MIDI. Local Control *On* is the normal “play mode”. When Local Control is in *Off* mode, front panel and keyboard actions are transmitted via MIDI only.

*Range: On (Default), Off*

**i** *Local Control always defaults back to “On” every time the Nord Grand 2 is powered on*

### 2 - MIDI CHANNEL

This sets the transmitting and receiving MIDI channel for the Nord Grand 2. This MIDI channel transmits all keyboard, pedal and panel actions as MIDI signals. It can also be used as a receiving channel with full control of the entire Nord Grand 2.

*Range: 1-16, Off (Default 1)*

## 3 - MIDI CONTROL/PROGRAM/DEVICE CHANGE

### CONTROL CHANGE MODE

This allows you to set if you want your Nord Grand 2 to transmit and/or receive MIDI Controller Messages or not on the MIDI channel. Note that this setting includes both standard, single value, CC messages used for most panel controls as well as messages sent using the NRPN standard from the Piano and Sample Select controls. Read more about NRPN messages on page 33.

*Range: Off, Send, Receive, Send & Receive (Default)*

### PROGRAM CHANGE MODE

This setting determines whether your Nord Grand 2 transmits and/or receives MIDI program Change Messages, on the MIDI channel.

*Range: Off, Send, Receive, Send & Receive (Default)*

### DEVICE CHANGE MODE

This allows for setting whether the Nord Grand 2 should transmit and/or receive *Device* MIDI Messages or not on the Global channel. Devices refer to physical physical controllers, such as pedals, which generate and send MIDI but are excluded from the Control Change filtering.

*Range: Off, Send, Receive, Send & Receive (Default)*

## 4 - TRANSPOSE MIDI AT

When set to *In*, active transpose values (global and/or set per program) are *not* applied to outgoing MIDI, but only to incoming MIDI data. In *Out* mode sent MIDI notes are transposed but not incoming ones.

*Range: In (Default), Out*

## 5 - MIDI OUT VELOCITY CURVE

There are three options for how the velocity of outgoing MIDI notes is scaled. When set to *Heavy*, the generated MIDI corresponds to the dynamic range of the Nord Grand 2 Piano engine, and this setting should be used when playing the Nord Grand 2 in Local Control "Off" mode from the local keyboard. The *Medium* and *Light* curves require increasingly less effort to generate higher velocity values.


*Range: Heavy (Default), Medium, Light*

# PEDAL MENU

## 1 - CONTROL PEDAL

### TYPE

The Nord Grand 2 accepts many of the most commonly available control pedals through its **CTRL/VOL PEDAL** input. Select a setting here that matches the pedal being used.

 *If a connected pedal is operated while in this menu, a percentage indicating the range of the connected pedal is displayed.*

*Range: Roland EV7 (default), Yamaha FC-7, Korg, Fatar/ Studiologic, Nord SP-2*

### GAIN

This setting allows for adding some gain to the pedal signal. This can be useful if an attached pedal does not reach its maximum level or setting.

*Range: 1 - 10*

## 2 - SUSTAIN PEDAL TYPE

This allows you to select the type of pedal connected to the **SUSTAIN PEDAL** jack, in case the functionality of the pedal is reversed (when the pedal is up, sustain is on and vice versa).

*Range: Nord SP-1 (Default), Nord SP-2, Nord TP-1, Normally Open, Normally Closed*

## 3 - TRIPLE PEDAL FUNCTION

A connected Triple Pedal, whether its a Nord Triple Pedal 1 connected to the Sustain Pedal jack or a Nord Triple Pedal 2 connected to the Triple Pedal jack, can be set up to control a number of different features.

The Right pedal always controls Sustain while the Left and Middle pedals can each control a larger selection of parameters.

*Range Left: Una Corda (Default), Synth Vibrato, Program Up, Program Down*


*Range Middle: Sostenuto (Default), Synth Vibrato, Program Up, Program Down*

## 4 - FOOT SWITCH

### TYPE

The Foot Switch jack on the Nord Grand 2 accepts a variety of different pedals, with either one or two buttons/switches. Set the *Type* parameter according to the connected model.

If you are unsure of the polarity of the pedal, simply check whether the chosen functionality works as expected, if not select the other polarity (Open or Closed).

 *The Nord SP-2 pedal, and other continuous type pedals, are not compatible with the Foot Switch jack.*

*Range: Single Open, Single Closed, Dual Open, Dual Closed*

### SW A

The Switch A parameter determines the function of an attached single pedal, or the first switch of a dual pedal.

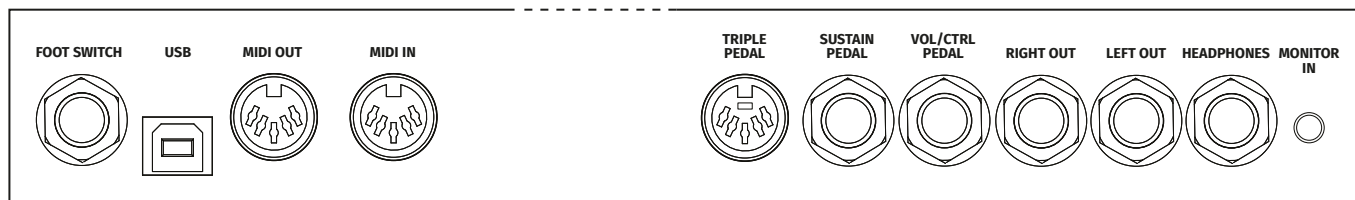
*Range: Synth Vibrato, Program Up, Program Down*

### SW B

The Switch B parameter determines the function of the second switch of a dual pedal and has no effect when a single pedal is connected.

*Range: Synth Vibrato, Program Up, Program Down*

# CONNECTIONS



## AUDIO CONNECTIONS

General guide on audio connections: Before turning on your amplifier, make all audio connections. Always turn on the amplifier last, and when shutting down, always turn off your amplifier or active speakers first.

⚠ *Using your Nord Grand 2 at high volumes can damage your hearing.*

### HEADPHONES

1/4 inch stereo headphone jack. Audio is always output through the Headphones output, regardless of Output Routing settings.

### LEFT & RIGHT OUT

1/4 inch unbalanced line level outputs for amplifier or recording equipment. The Nord Grand 2 is a stereo instrument with separate signal paths for left and right audio channels.

### MONITOR IN

1/8 inch jack for connecting devices such as smartphones, tablets or computers to the Nord Grand 2. This is useful for playing and rehearsing to pre-recorded music or a metronome, or to use an additional sound source on stage. The Monitor In signal is routed to the Headphones and Left & Right outputs.

⚠ *The Nord Grand 2 Master Level control does not affect the level of the Monitor In signal.*

## MIDI CONNECTIONS

### MIDI IN

The 5 pin MIDI In connection is used for receiving MIDI data sent from external devices such as controller keyboards, sequencers and computers.

### MIDI OUT

The 5 pin MIDI Out connection will send MIDI data to devices such as external sound modules and computers.

## USB CONNECTION

The USB port is used for connecting the Nord Grand 2 to a computer. The connection can be used for transferring MIDI, for OS updates and for connecting to applications such as the Nord Sound Manager or Nord Sample Editor. These applications, and the latest OS version can always be found for download at [www.nordkeyboards.com](http://www.nordkeyboards.com).

ⓘ *MIDI over USB and standard 5 pin MIDI connectors are both always active at the same time.*

## PEDAL CONNECTIONS

### TRIPLE PEDAL

The 5 pin **TRIPLE PEDAL** input jack is only compatible with the Nord Triple Pedal 2 (TP-2) unit. The three pedals can be used exclusively for Piano related functionality and Sustain, or for controlling a number of other functions. See the Pedal menu on page 30 for further details.

### SUSTAIN PEDAL

1/4 inch connector for all common types of sustain pedals, as well as for the Nord Triple Pedal 1. Sustain pedal type and polarity is set in the Pedal menu, see page 30.

### VOL/CTRL PEDAL

1/4 inch connector for an expression pedal of continuous type, used for controlling Piano and/or Sample Synth volume, and/or Effect 1 amount. Most of the common expression pedal makes and models are supported, and can be selected in the Pedal menu, see page 30.

### FOOT SWITCH

1/4 inch connector for a one or two button, momentary pedal. The Foot Switch can be assigned to a variety of functions, such as changing Programs and controlling Sample Synth Vibrato. See the Pedal menu on page 30 for details on how to set this up.

---

## NORD PIANO MONITOR

The Nord Grand 2 can be fitted with brackets for the Nord Piano Monitor speakers, which are specifically designed for accurate reproduction of piano sounds. For more information about the Nord Piano Monitor system and how to fit them to the Nord Grand 2, see the [www.nordkeyboards.com](http://www.nordkeyboards.com) website.





# APPENDIX: MIDI CONTROLLER LIST

The Nord Grand 2 implements both MIDI CC messages using only one controller per parameter, as well as messages using multiple controllers per parameter based on the NRPN (Non-Registered Parameter Number) standard.

In the table below, parameters written using one or more colons utilize NRPN for MIDI data transfer. The first number corresponds to CC#99 (NRPN MSB) and the second to CC#98 (NRPN LSB). The parameter *value* is defined by CC#38 (Data Entry LSB). Unless otherwise is specified, Data Entry MSB (CC#6) is expected to be 0.

A complete NRPN package consists of four messages: CC#99, CC#98, CC#6 and CC#38.

Nord Grand 2 Parameter	MIDI CC #	Nord Grand 2 Parameter	MIDI CC #	Nord Grand 2 Parameter	MIDI CC #
Volume	7	Sample Synth Voice Mode	52		
Pan	10	Sample Synth Glide Rate	48	Delay Enable	92
		Sample Synth Unison	53	Delay Dry/Wet	93
Sustain	64	Sample Synth Attack	68	Delay Rate	94
Soft Pedal	67	Sample Synth Decay/Release	69	Delay Feedback	95
Sostenuto	66	Sample Synth Dynamics	54	Delay Ping Pong	91
Ctrl Pedal (Expression)	11	Sample Synth Bright/Soft	55	Delay Filter Type	88
		Sample Synth Sample Select	3:4	Delay Flam	87
FX Focus	31			Delay Global	29
		Mod 1 Enable	79		
Piano Layer Focus	109	Mod 1 Type	80	Reverb Enable	17
Piano Layer Enable	72	Mod 1 Amount	85	Reverb Type	19
Piano Layer A Level	34	Mod 1 Rate	86	Reverb Dry/Wet	113
Piano Layer B Level	56	Mod 1 Ctrl Ped	81	Reverb Bright/Dark	18
Piano Octave Shift	35			Reverb Chorale	21
Piano Sustain Pedal	36	Mod 2 Enable	118	Reverb Pre-Delay	20
Piano Volume Pedal	37	Mod 2 Type	83	Reverb Layer Send Enable	112
Piano Timbre	27	Mod 2 Amount	89		
Piano Acoustics	22	Mod 2 Rate	90		
Piano KB Touch	24	Mod 2 Mono	84		
Piano Pedal Noise	23				
Piano Unison	25	EQ Enable	105		
Piano Dyn Comp	26	EQ Bass Gain	102		
Piano Select	2:33	EQ Mid Gain	103		
		EQ Mid Frequency	107		
Sample Synth Layer Focus	115	EQ Treble	104		
Sample Synth Layer Enable	61	EQ Global	33		
Sample Synth Layer A Level	43				
Sample Synth Layer B Level	57	Amp Enable	108		
Sample Synth Octave Shift	44	Amp Type	110		
Sample Synth Sustain Pedal	42	Amp Drive	106		
Sample Synth Volume Pedal	47	Amp Alternate Tone	119		
Sample Synth Vibrato Mode	50				
Sample Synth Vibrato Rate	45	Compressor Enable	116		
Sample Synth Vibrato Amount	46	Compressor Amount	117		
Sample Synth Vibrato Delay	51	Compressor Global	28		



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## INFORMATION ON DISPOSAL FOR USERS



EN

This electronic device must be recycled or discarded according to applicable local and national regulations.

The symbol shown, applied to the product or on its packing, indicates that, at end of life, the product is not to be thrown away, or disposed as unsorted municipal waste, but separately collected.

Clavia DMI AB encourages owners of Nord musical instruments to responsibly recycle their equipments when they are no longer needed.

Disposing of this product correctly will prevent potential negative effects on the environment and human health which could arise due to inappropriate waste handling.

## INFORMATIONS SUR L'ÉLIMINATION POUR LES UTILISATEURS



FR

Cet appareil électronique doit être recyclé ou jeté selon les lois en vigueur dans votre pays.

Ce symbole appliqué sur le produit ou sur son emballage, indique qu'à la fin de la vie de ce produit, il ne doit pas être jeté avec les déchets ménagers mais qu'il doit être déposé dans un point de collecte.

Clavia DMI AB encourage les possesseurs d'instruments de musique Nord à recycler de façon responsable quand les appareils ne sont plus utilisés.

L'élimination correcte de ce produit permettra d'éviter les effets négatifs potentiels sur l'environnement et la santé humaine qui pourraient résulter d'une manipulation inappropriée des déchets.

## INFORMATIONEN ZUR ENTSORGUNG FÜR BENUTZER



DE

Dieses elektronische Gerät muss gemäß den geltenden lokalen und nationalen Vorschriften recycelt oder entsorgt werden.

Das abgebildete Symbol auf dem Produkt oder auf der Verpackung weist darauf hin, dass das Produkt am Ende seiner Lebensdauer nicht weggeworfen oder im Hausmüll entsorgt werden darf, sondern separat gesammelt werden muss.

Clavia DMI AB ermutigt die Besitzer von Nord Musikinstrumenten, ihre Geräte verantwortungsbewusst zu recyceln, wenn sie nicht mehr benötigt werden.

Die ordnungsgemäße Entsorgung dieses Produkts verhindert mögliche negative Auswirkungen auf die Umwelt und die menschliche Gesundheit, die durch eine unsachgemäße Abfallbehandlung entstehen könnten.

## INFORMACIÓN SOBRE LA GESTIÓN DE RESIDUOS PARA LOS USUARIOS



ES

Este dispositivo electrónico debe reciclarse o desecharse de acuerdo con la normativa local y nacional aplicable.

El símbolo que se muestra, aplicado al producto o a su embalaje, indica que, al final de su vida útil, el producto no debe tirarse a la basura, ni eliminarse como residuo municipal sin clasificar, sino recogerse por separado.

Clavia DMI AB anima a los propietarios de instrumentos musicales Nord a reciclar responsablemente sus equipos cuando ya no los necesitan.

La eliminación correcta de este producto evitará los posibles efectos negativos sobre el medio ambiente y la salud humana que podrían surgir debido a una manipulación inadecuada de los residuos.

## INFORMAÇÃO SOBRE GESTÃO DE RESÍDUOS PARA OS UTILIZADORES



PT

Este dispositivo electrónico deve ser reciclado ou eliminado de acordo com os regulamentos locais e nacionais aplicáveis.

O símbolo mostrado, aplicado ao produto ou à sua embalagem, indica que no fim da sua vida útil o produto não deve ser deitado fora ou eliminado como lixo municipal não separado, mas sim recolhido separadamente.

Clavia DMI AB encoraja os proprietários de instrumentos musicais Nord a reciclar responsabilmente o seu equipamento quando este já não é necessário.

A eliminação correcta deste produto evitará potenciais efeitos negativos sobre o ambiente e a saúde humana que possam surgir devido a um manuseamento inadequado dos resíduos.

## INFORMAZIONI PER GLI UTENTI RELATIVE ALLO SMALTIMENTO



IT

Questo dispositivo elettronico deve essere riciclato o smaltito secondo le normative locali e nazionali vigenti.

Il simbolo raffigurato, applicato sul prodotto o sul suo imballaggio, indica che, a fine vita, il prodotto non deve essere gettato o smaltito come rifiuto urbano indifferenziato, ma raccolto separatamente.

Clavia DMI AB incoraggia i proprietari di strumenti musicali Nord a riciclare responsabilmente le loro apparecchiature quando non sono più necessarie.

Lo smaltimento corretto di questo prodotto eviterà potenziali effetti negativi sull'ambiente e sulla salute umana che potrebbero derivare da una gestione inappropriata dei rifiuti.



### INFORMATION ON RECYCLING OF PACKAGING MATERIALS

EN

Outer box and internal cardboard protection should be recycled as paper.  
Internal plastic foam protection and plastic bags should be recycled as plastics.

### INFORMATIONS SUR LE RECYCLAGE DES MATÉRIAUX D'EMBALLAGE

FR

La boîte extérieure et la protection interne en carton doivent être recyclées comme du papier.  
La protection interne en mousse plastique et les sacs en plastique doivent être recyclés en tant que plastiques.

### INFORMATIONEN ZUM RECYCLING VON VERPACKUNGSMATERIALIEN

DE

Der äußere Karton und der innere Kartonschutz sollten als Papier recycelt werden.  
Interner Kunststoffschamschutz und Plastiktüten sollten als Kunststoffe recycelt werden.

### INFORMACIÓN SOBRE RECICLAJE DE MATERIALES DE EMBALAJE

ES

La caja exterior y la protección interna de cartón deben reciclarse como papel.  
La protección interna de espuma de plástico y las bolsas de plástico deben reciclarse como plásticos.

### INFORMAÇÕES SOBRE A RECICLAGEM DE MATERIAIS DE EMBALAGEM

PT

A caixa externa e a proteção interna de papelão devem ser recicladas como papel.  
A proteção interna de espuma plástica e os sacos plásticos devem ser reciclados como plásticos.

### INFORMAZIONI SUL RICICLAGGIO DEI MATERIALI DI IMBALLAGGIO

IT

La scatola esterna e la protezione interna in cartone devono essere riciclate come carta.  
La protezione interna in schiuma di plastica e i sacchetti di plastica devono essere riciclati come plastica.



FR

Ce produit  
NORD et ses  
cordons se  
recyclent

À DÉPOSER  
EN MAGASIN



À DÉPOSER  
EN DÉCHÈTERIE



OU

Points de collecte sur [www.quefairedemesdechets.fr](http://www.quefairedemesdechets.fr)  
Privilégiez la réparation ou le don de votre appareil !

# FCC Information (U.S.A.)

## 1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Clavia may void your authority, granted by the FCC, to use the product.

**2. IMPORTANT:** When connecting this product to accessories and/ or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

**3. Note:** 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 is found to be the source of 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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.

This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

## NOTICE

This Class B - digital apparatus complies with Canadian ICES-003.

## AVIS

Cet appareil numérique de la classe B - est conforme à la norme NMB-003 du Canada.

## DECLARATION OF CONFORMITY Compliance Information Statement

**Model Name:** Nord Grand 2

**Type of Equipment:** Digital Organ and piano

**Responsible Party:** Clavia DMI AB

**Address:** P.O. BOX 4214. SE-102 65 Stockholm Sweden

**Telephone:** +46-8-442 73 60

