WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

FCC Warning

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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NUX

User Manual

V1

NTK-37/49/61

MIDI Keyboard Controller



Thank you for choosing the NUX NTK Series MIDI Keyboard Controller! The NTK Series features a sleek aluminum-alloy body and semi-weighted keys with aftertouch for a premium touch. Enjoy the versatility of assignable sliders and knobs, velocity-sensitive pads (available on the NTK-61), and an innovative touchpad. With its extensive professional functions and controls, the NTK Series offers an intuitive and seamless experience for music production, whether in the studio or at home.

Features

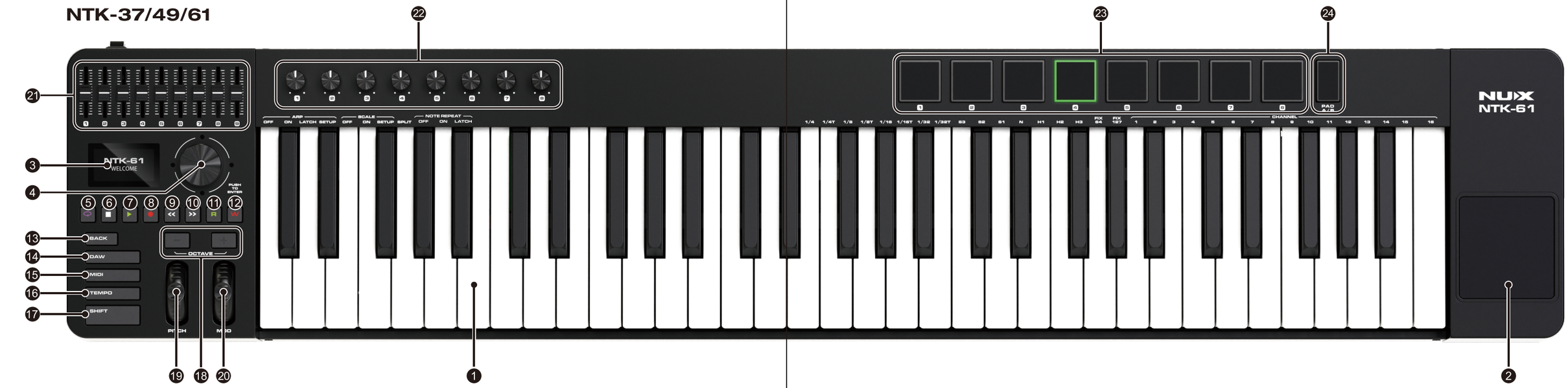
- Seamless integration with DAWs for music production
- Convenient transport controls and mini mixing console
- MIDI controlling virtual instruments and plugins
- Pitch and modulation wheels
- Velocity-sensitive keys with aftertouch and pads
- Built-in arpeggiator and smart scale function
- A touchpad controls your computer without the mouse
- Transpose and octave shift functions

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Control Panels

Top Panel



Note: ㉒, ㉓ and ㉔ are not available on the NTK-37. ㉓ and ㉔ are not available on the NTK-49.

❶ Keyboard
The semi-weighted keys transmit note on/off and velocity data. With an adjustable velocity curve and aftertouch capabilities, these keys are perfect for a dynamic and expressive performance with virtual instruments and plugins.

❷ Touchpad
The built-in touchpad controls your computer's mouse / trackpad and perform basic functions seamlessly.

❸ Display Screen
The display screen shows current operations, allowing you to monitor parameters in real-time as you adjust the controls.

❹ Five-Way Encoder
Use the encoder to manage common functions of the NTK Keyboard Controller. Rotate or push it in four directions to select functions, and press the encoder to confirm your selection.

❺ LOOP Button
Press to activate/deactivate the loop function in the DAW.

❻ STOP Button
Press once to stop the song in your DAW. Double press to stop and return the playhead to the beginning of the song.

❼ PLAY Button
Press to start playback in your DAW.

❽ RECORD Button
Press to activate the recording function in your DAW.

❾ REWIND Button
Press to rewind the playback in your DAW.

❿ FAST-FORWARD Button
Press to fast-forward the song in your DAW.

⓫ READ Button
Press to read the automation envelopes for a track in your DAW.

⓬ WRITE Button
Press to write the automation envelops for a track in your DAW.

⓭ BACK Button
Press to return to the main page or to the previous page.

⓮ DAW Button
Press to activate the DAW Mode. Long press to select your preferred DAW or edit your own DAW USER Presets.

⓯ MIDI Button
Press to activate the MIDI Mode. Long press to select Scenes or edit your MIDI Presets.

⓰ TEMPO Button
Tap this button to set the tempo. Long press to enter the settings and use the five-way encoder to select a specific tempo according to your DAW. The tempo setting influences the arpeggiator and note repeat functions.

⓱ SHIFT Button
Press and hold the SHIFT Button, then press the keys or buttons to access their secondary functions. (Please refer to the Appendix 1 for details of the secondary functions of the keys.)

⓲ OCTAVE Buttons
Octave: Press the buttons to shift the keyboard's octave up or down.

Transpose: Press and hold the SHIFT Button, then press the OCTAVE Buttons to transpose the keyboard in semitone steps.

⓳ Pitch Bend Wheel
Roll the wheel upward or downward to raise or lower the pitch of the instrument. When the wheel is released, it will return to the center position. The default range of the pitch bend depends on your software synthesizer.

⓴ Modulation Wheel
Roll the wheel upward or downward to send continuous MIDI CC#01 (Modulation by default) messages.

㉑ Sliders (1-9)
Slide up or down to send messages accordingly. In DAW Mode, it sends predefined messages tailored to your DAW. In DAW USER Preset or MIDI Mode, you can assign and edit the messages it sends.

㉒ Knobs (1-8)
Rotate the knobs to send messages accordingly. In DAW Mode, they send predefined messages tailored to your DAW. In DAW USER Preset or MIDI Mode, you can assign and edit the messages they send.

㉓ Pads (1-8)
The velocity-sensitive pads send note on/off and velocity data, as well as other DAW commands or assigned MIDI CC messages, offering versatile control and dynamic performance options.

㉔ PAD A/B Button
Press to switch the pad bank for all Pads (1-8), expanding the total to 16 pads.

Rear Panel

NTK-37/49/61



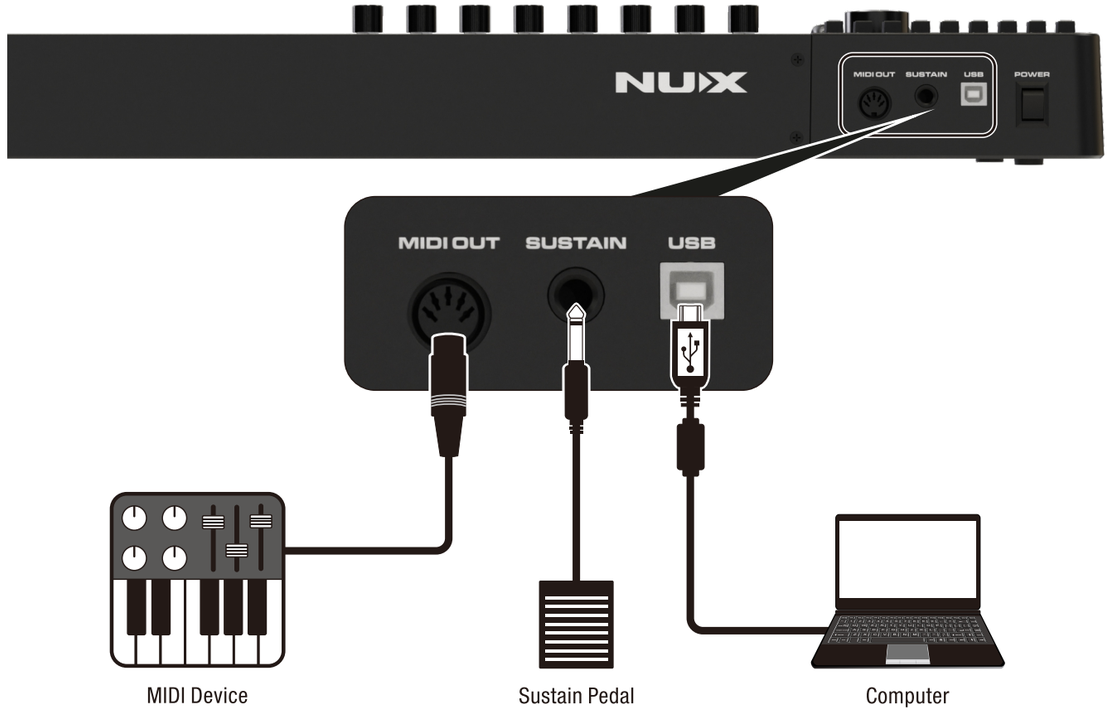
25 MIDI Output
5-pin MIDI Output for connecting hardware MIDI synths or other MIDI devices.

26 SUSTAIN Input
Connect a sustain pedal.

27 USB MIDI Port
When connected to a computer, the USB transmits MIDI data and provides power to the keyboard.

28 POWER Switch
Press to turn power on/off.

Connections



Basic Operations

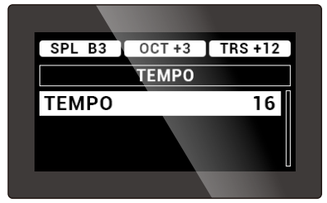
Keyboard

The NTK Series keyboard features semi-weighted, velocity-sensitive keys with Aftertouch, allowing for dynamic expression by pressing the keys further to trigger different effects.

Press and hold the SHIFT button, then press the keys to access secondary functions such as Arpeggiator settings, Smart Scale settings, Velocity Curve adjustments, MIDI Channel settings, and more. For detailed information on the secondary functions, please refer to Appendix 1.

Tempo

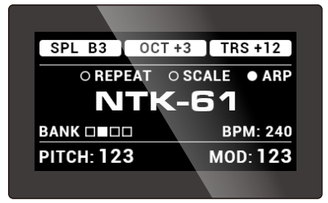
Tap the TEMPO button to set the tempo. Or long press to enter the settings and set a specific tempo between 20-240bpm.



The tempo setting influences the Arpeggiator and Note Repeat functions. To change the Time Division, press and hold the SHIFT button, then press a key to select from the following options: 1/4, 1/4T, 1/8, 1/8T, 1/16, 1/16T, 1/32, 1/32T. For more details, please refer to Appendix 1.

Octave/Transpose

Using the OCTAVE buttons, the keyboard can access the full range of 127 available MIDI notes. You can shift the keyboard's octave up or down by 3 octaves. (*The range may vary depending on the number of keys on the keyboard.)



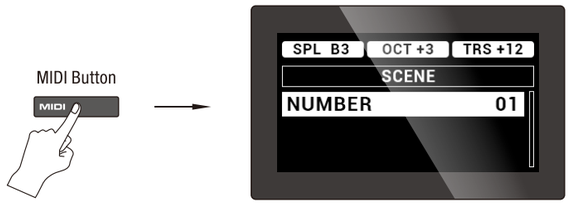
To transpose the keyboard, press and hold the SHIFT Button, then press the OCTAVE Buttons to transpose in semitone steps.

MIDI Preset

All your MIDI assignments for the controls and channel settings can be saved in a MIDI Preset. There are 16 MIDI Preset slots for you to store your MIDI settings for quick controlling virtual instruments.

You can store up to 16 SCENEs in total. For each SCENE slot, all your settings will be saved including a MIDI Preset, a DAW USER Preset, and Global Parameters. (Please refer to the next section, DAW Mode, for more information about the DAW USER Preset.)

To change to a different SCENE, long press the MIDI Button and enter the SCENE settings. Use the five-way encoder to select a SCENE.

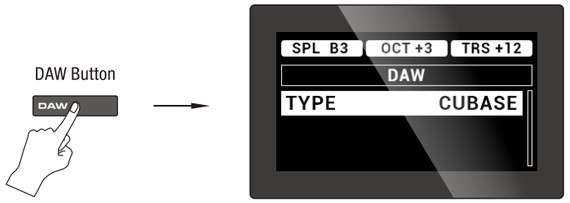


⚠ **Note:** Presets will be saved automatically on the keyboard hardware.

DAW Mode

You can quickly switch between controlling your DAW or controlling your virtual instruments by using the DAW Button and the MIDI Button.

Press the DAW Button to activate the DAW Mode. Long press to enter the settings and use the five-way encoder to select your preferred DAW type.



Besides the predefined DAW presets, you can also select USER to edit and save your own DAW USER Preset. You can store up to 16 DAW USER Presets, together with 16 MIDI Presets and the Global Parameters, in the 16 SCENE slots. (Please refer to the previous section, MIDI Preset, for more information about the MIDI Preset and the SCENE.)

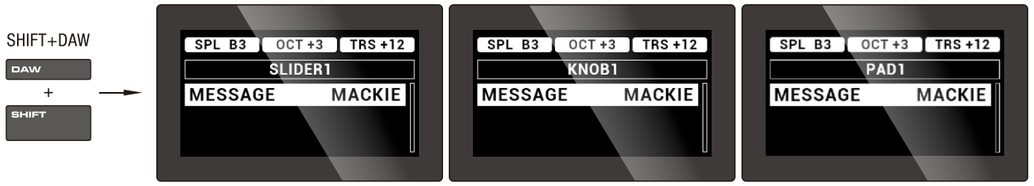
For details about DAW configuration, please refer to the NUX NTK Series DAW Setup Guide.

⚠ **Note:** Not all DAWs support keyboard controllers.

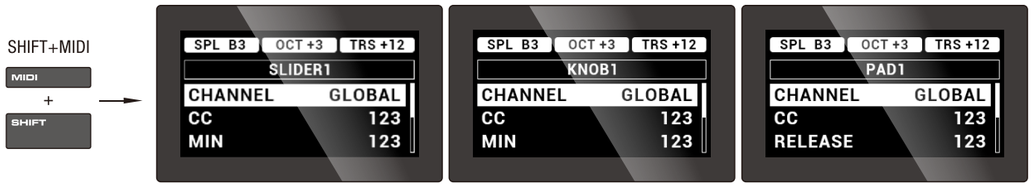
SHIFT Button

Press and hold the SHIFT Button, then press the keys or buttons to access their secondary functions.

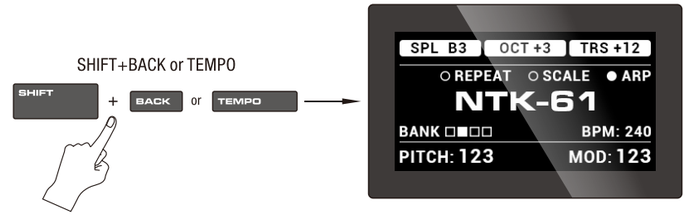
- Press SHIFT and DAW Buttons to enter the DAW configuration. Then push/turn/press the slider/knob/button you want to configure. It will be shown on the screen accordingly. Use the five-way encoder to select the settings or change the parameters. Press the BACK Button to return to the homepage.



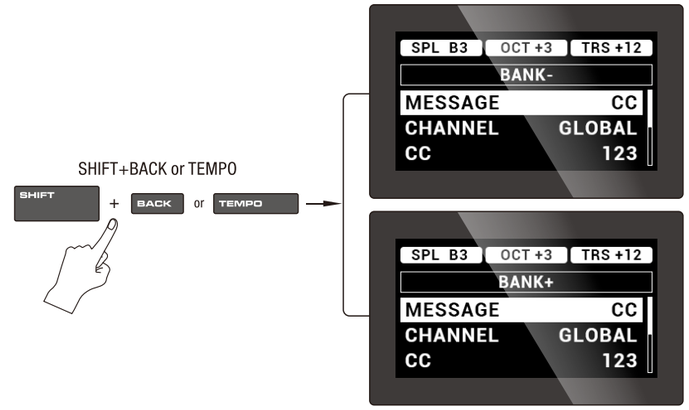
- Press SHIFT and MIDI Buttons to enter the MIDI configuration. Then push/turn/press the slider/knob/button you want to configure. It will be shown on the screen accordingly. Use the five-way encoder to select the settings or change the parameters. Press the BACK Button to return to the homepage.



- Press SHIFT and BACK or SHIFT and TEMPO Buttons to scroll down or up the Banks (i.e. Bank- or Bank+). There are 4 Banks in total.



When the keyboard is already under DAW Mode configuration or MIDI Mode configuration, press SHIFT and BACK or SHIFT and TEMPO Buttons to configure for Bank- or Bank+ operations.

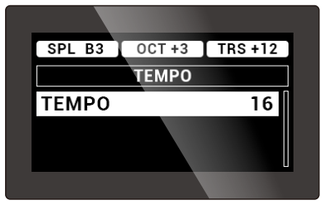


- Press and hold the SHIFT Button, then press a key on the keyboard to access its secondary function. (Please refer to the Appendix 1 for details.)

ARP and ARP Latch

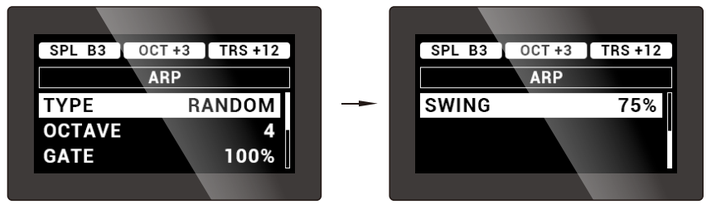
Press the SHIFT Button and the C2/$^{\#}$C2 key (C3/$^{\#}$C3 for NTK-37) to deactivate/activate the Arpeggiator function.

You can use the TEMPO Button to change the Tempo and the Time Division. (Please refer to the previous Tempo section for details.)



Press the SHIFT Button and the D2 key (D3 key for NTK-37) to activate the ARP LATCH function.

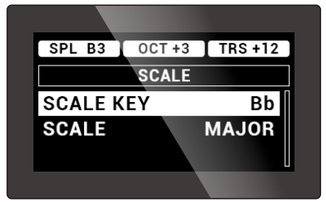
Press the SHIFT Button and the $^{\flat}$E2 key ($^{\flat}$E3 key for NTK-37) to enter the ARP Settings, and use the five-way encoder to set the ARP Type, Octave, Gate, and Swing.



Smart Scale

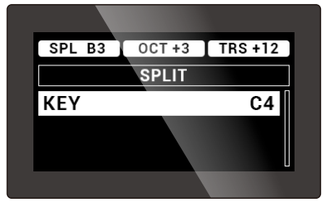
Press the SHIFT Button and the E2/F2 key (E3/F3 for NTK-37) to deactivate/activate the Smart Scale function.

Press the SHIFT Button and the ♯F2 key (♯F3 key for NTK-37) to enter the Smart Scale Settings, and use the five-way encoder to set the Key and the Scale.



Keyboard Split

Press the SHIFT Button and the G2 key (G3 for NTK-37) to enter the Split Settings, and use the five-way encoder to set the Split Point Key.

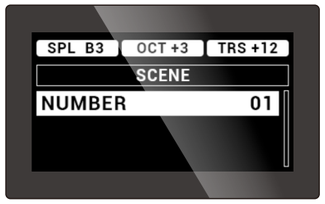


⚠ **Note:** When the keyboard is Split, the Arpeggiator and the Smart Scale function will affect the Left Keyboard, while the Right Keyboard sends normal NOTE messages.

Presets Configuration

Saving a SCENE

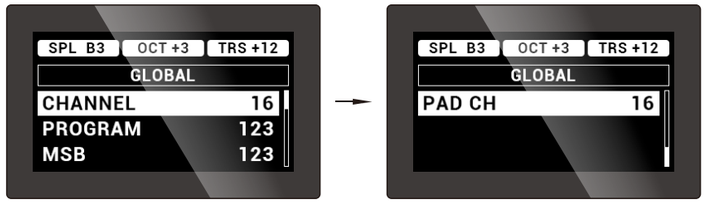
Parameters in the NTK Series Keyboard Controllers are saved automatically. You can save up to 16 SCENES, each SCENE contains all the parameters and settings including a MIDI Preset, a DAW USER Preset, and the Global Parameters.



Channel Selection

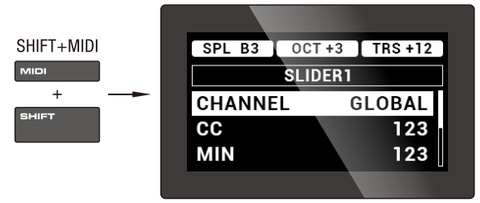
For each control, you can specify the channel it transmits (channels available 1-16), or select "GLOBAL" to use the channel set as the GLOBAL CHANNEL in the GLOBAL Settings.

For pads, you can specify the channel or use the channel set as the PAD CH (i.e. CHANNEL) in the GLOBAL Settings. (Please refer to the GLOBAL Settings section for more information.)



MIDI Preset Configuration

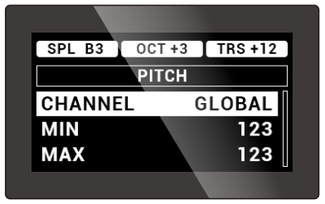
Press SHIFT and MIDI Buttons to enter the preset configuration for the current MIDI Preset.



It shows the SLIDER1 by default. Once you push/turn/press the slider/knob/button you want to configure, it will be shown on the screen accordingly and ready to be configured.

Controls available for configuration

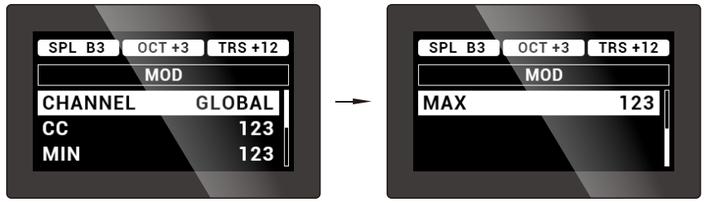
●Pitch Bend Wheel



Press SHIFT and MIDI Buttons to enter the MIDI configuration, then push the Pitch Bend Wheel, it will be shown on the screen. Use the five-way encoder to change the parameters.

CHANNEL	Value: GLOBAL, 1-16
MIN	Set the minimum value the Wheel can send. (You can invert the Pitch Bend Wheel by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Wheel can send. (You can invert the Pitch Bend Wheel by setting the MAX value lower than the MIN value.) Value: 0-127

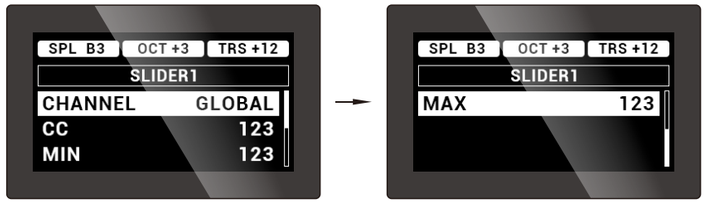
● Modulation Wheel



Press SHIFT and MIDI Buttons to enter the MIDI configuration, then push the Modulation Wheel, it will be shown on the screen. Use the five-way encoder to change the parameters.

CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Modulation Wheel. Value： 0-127
MIN	Set the minimum value the Wheel can send. (You can invert the Modulation Wheel by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Wheel can send. (You can invert the Modulation Wheel by setting the MAX value lower than the MIN value.) Value: 0-127

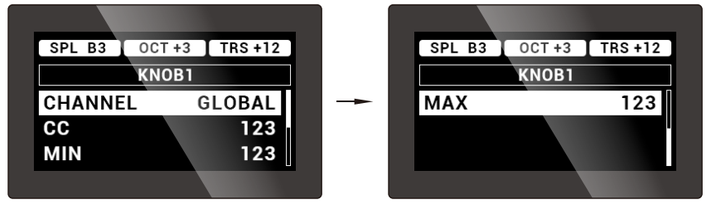
● Sliders



Press SHIFT and MIDI Buttons to enter the MIDI configuration, then push any of the Sliders, it will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	CC
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Slider. Value： 0-127
MIN	Set the minimum value the Slider can send. (You can invert the Slider by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Slider can send. (You can invert the Slider by setting the MAX value lower than the MIN value.) Value: 0-127

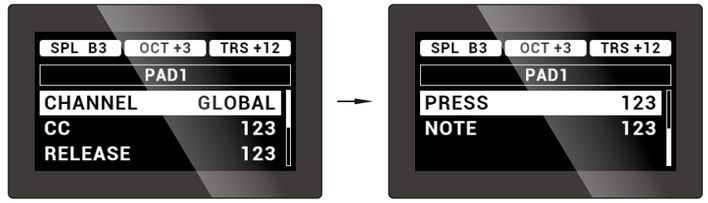
● Knobs (Available for NTK-49 and NTK-61)



Press SHIFT and MIDI Buttons to enter the MIDI configuration, then turn any of the Knobs, it will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	CC
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Knob. Value： 0-127
MIN	Set the minimum value the Knob can send. (You can invert the Knob by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Knob can send. (You can invert the Knob by setting the MAX value lower than the MIN value.) Value: 0-127

● Pads (Available for NTK-61)

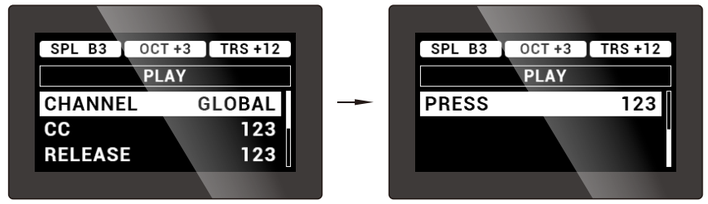


Press SHIFT and MIDI Buttons to enter the MIDI configuration, then press any of the Pads, it will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	CC
CHANNEL	Value: GLOBAL (i.e. PAD CH in the GLOBAL Settings), 1-16
CC	Set the MIDI CC message sent by the Pad. Value： 0-127
RELEASE	Set the minimum value when the Pad is Released. Value: 0-127
PRESS	Set the maximum value when the Pad is Pressed. Value: 0-127
NOTE	Set the NOTE message sent by the Pad. Value: 0-127

⚠ **Note:** The lights of the Pads will be GREEN when the Pads are under MIDI Preset Mode.

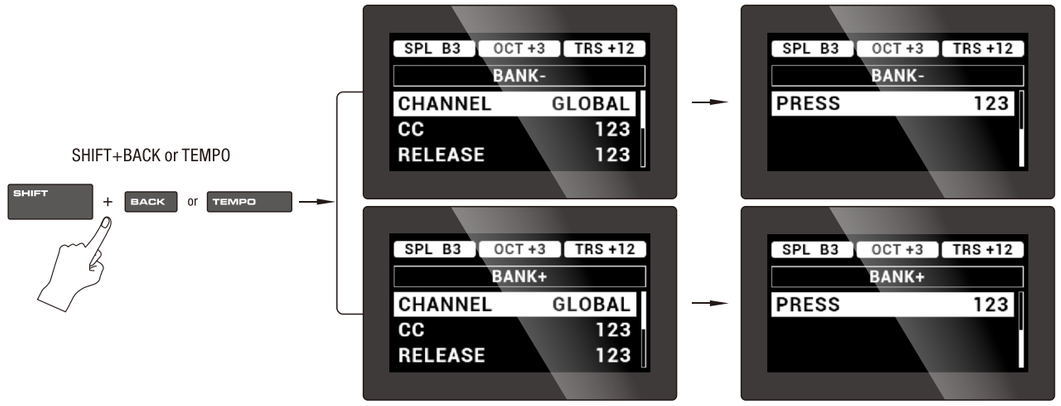
● Transport Control Buttons



Press SHIFT and MIDI Buttons to enter the MIDI configuration, then press any of the Transport Control Buttons (LOOP, STOP, PLAY, RECORD, REWIND, FAST-FORWARD, READ, WRITE), it will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	CC
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Transport Control Button. Value： 0-127
RELEASE	Set the minimum value when the Button is Released. Value: 0-127
PRESS	Set the maximum value when the Button is Pressed. Value: 0-127

●Bank+ and Bank-



Press SHIFT and MIDI Buttons to enter the MIDI configuration, then press SHIFT and BACK or SHIFT and TEMPO Buttons to configure for Bank- or Bank+. It will be shown on the screen. Use the five-way encoder to change the parameters.

CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by Bank- or Bank+. Value： 0-127
RELEASE	Set the minimum value when the Bank- or Bank+ operation is Released. Value: 0-127
PRESS	Set the maximum value when the Bank- or Bank+ operation is Pressed. Value: 0-127

● Saving a MIDI Preset

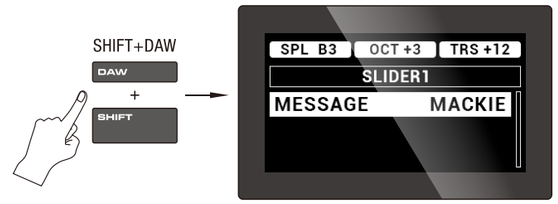
When you are editing a MIDI Preset, parameters will be saved automatically on the keyboard hardware.

You can save up to 16 SCENES, each SCENE contains all the parameters and settings including a MIDI Preset, a DAW USER Preset, and the Global Parameters. To change to a different SCENE/Preset, long press the MIDI Button and then change the SCENE Number.

⚠ **Note:** When you are changing to a different SCENE, not only the MIDI Preset, but the DAW USER Preset will also change to that SCENE accordingly.

DAW USER Preset Configuration

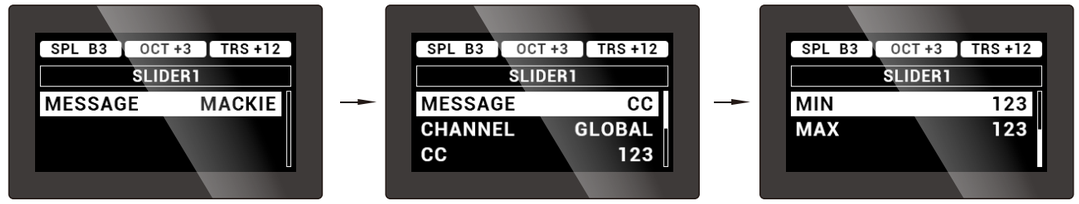
When the DAW Type is selected as USER, press SHIFT and DAW Buttons to enter the preset configuration for the current DAW USER Preset.



It shows the SLIDER1 by default. Once you push/turn/press the slider/knob/button you want to configure, it will be shown on the screen accordingly and ready to be configured.

Controls available for configuration

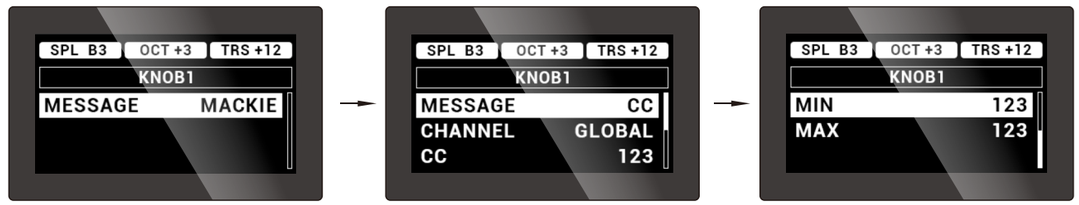
● Slider



Select DAW Type as USER, then press SHIFT and DAW Buttons to enter the DAW USER Preset configuration. Push any of the Sliders, and it will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	Mackie: The Slider will send Mackie messages for use with DAWs. HUI: The Slider will send HUI messages for use with DAWs. CC: The Slider will send MIDI CC messages.
CHANNEL	Specify the Channel that the Slider transmits messages. Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Slider. Value： 0-127
MIN	Set the minimum value the Slider can send. (You can invert the Slider by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Slider can send. (You can invert the Slider by setting the MAX value lower than the MIN value.) Value: 0-127

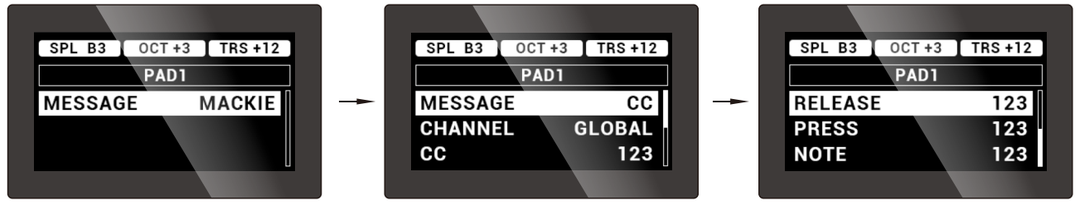
●Knobs (Available for NTK-49 and NTK-61)



Select DAW Type as USER, then press SHIFT and DAW Buttons to enter the DAW USER Preset configuration. Turn any of the Knobs, and it will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	Mackie: The Knob will send Mackie messages for use with DAWs. HUI: The Knob will send HUI messages for use with DAWs. CC: The Knob will send MIDI CC messages.
CHANNEL	Specify the Channel that the Knob transmits messages. Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Knob. Value： 0-127
MIN	Set the minimum value the Knob can send. (You can invert the Knob by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Knob can send. (You can invert the Knob by setting the MAX value lower than the MIN value.) Value: 0-127

●Pads (Available for NTK-61)

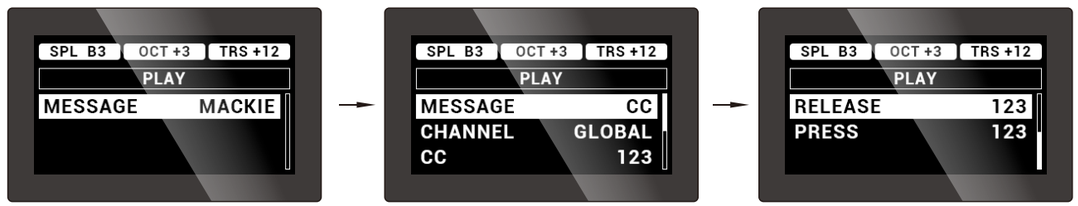


Select DAW Type as USER, then press SHIFT and DAW Buttons to enter the DAW USER Preset configuration. Press any of the Pads, and it will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	Mackie: The Pad will send Mackie messages for use with DAWs. HUI: The Pad will send HUI messages for use with DAWs. OTHERS: The Pad will use the PAD MSG settings in the GLOBAL Settings.
CHANNEL	Specify the Channel that the Pad transmits messages. Value: GLOBAL (i.e. PAD CH in the GLOBAL Settings), 1-16
CC	Set the MIDI CC message sent by the Pad. Value： 0-127
RELEASE	Set the minimum value when the Pad is Released. Value: 0-127
PRESS	Set the maximum value when the Pad is Pressed. Value: 0-127
NOTE	Set the NOTE message sent by the Pad. Value: 0-127

⚠ **Note:** The lights of the Pads will be RED when the Pads are under DAW Preset Mode.
You can press the PAD A/B Button to change the bank for all Pads (1-8), in order to expand to 16 Pads in total.

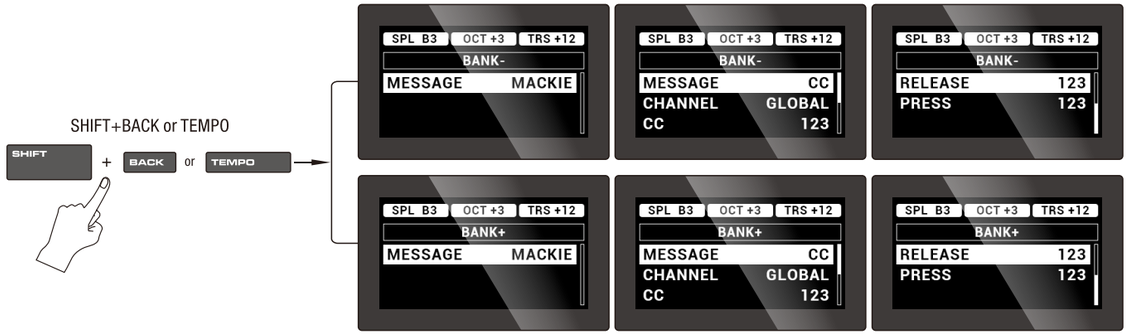
● Transport Control Buttons



Select DAW Type as USER, then press SHIFT and DAW Buttons to enter the DAW USER Preset configuration. Press any of the Transport Control Buttons (LOOP, STOP, PLAY, RECORD, REWIND, FAST-FORWARD, READ, WRITE), and it will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	Mackie: The Transport Control Button will send Mackie messages for use with DAWs. HUI: The Transport Control Button will send HUI messages for use with DAWs. CC: The Transport Control Button will send MIDI CC messages.
CHANNEL	Specify the Channel that the Transport Control Button transmits messages. Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Transport Control Button. Value： 0-127
RELEASE	Set the minimum value when the Transport Control Button is Released. Value: 0-127
PRESS	Set the maximum value when the Transport Control Button is Pressed. Value: 0-127

●Bank+ and Bank-



Select DAW Type as USER, then press SHIFT and DAW Buttons to enter the DAW USER Preset configuration. Then press SHIFT and BACK or SHIFT and TEMPO Buttons to configure for Bank- or Bank+. It will be shown on the screen. Use the five-way encoder to change the parameters.

MESSAGE	Mackie: The Bank- or Bank+ operation will send Mackie messages for use with DAWs. HUI: The Bank- or Bank+ operation will send HUI messages for use with DAWs. CC: The Bank- or Bank+ operation will send MIDI CC messages.
CHANNEL	Specify the Channel that the Bank- or Bank+ operation transmits messages. Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by Bank- or Bank+. Value： 0-127
RELEASE	Set the minimum value when the Bank- or Bank+ operation is Released. Value: 0-127
PRESS	Set the maximum value when the Bank- or Bank+ operation is Pressed. Value: 0-127

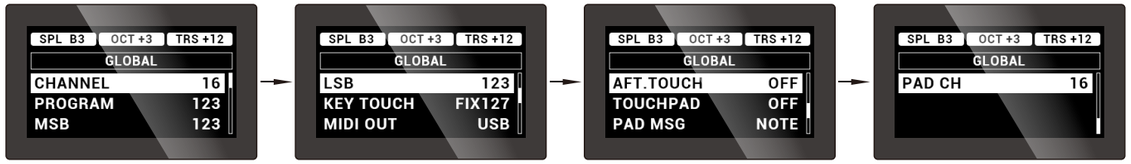
● Saving a DAW USER Preset

When you are editing a DAW USER Preset, parameters will be saved automatically on the keyboard hardware.

You can save up to 16 SCENES, each SCENE contains all the parameters and settings including a MIDI Preset, a DAW USER Preset, and the Global Parameters. To change to a different SCENE/Preset, long press the MIDI Button and then change the SCENE Number.

Global Settings

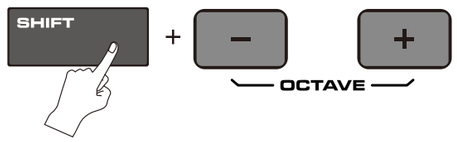
Press the SHIFT Button and the Five-Way Encoder to enter GLOBAL Settings. Here you can configure the Global Parameters.



CHANNEL	Set as the GLOBAL Channel to transmit messages (except for pads). You can also press the SHIFT Button and a specific key to quickly change the GLOBAL Channel. (Please refer to Appendix 1 for details of the keys.) Value: 1-16
PROGRAM	Set the Program Change message that the NTK Keyboard Controller sends.
MSB	Set the MSB (Most Significant Byte) that the NTK Keyboard Controller sends.
LSB	Set the LSB (Least Significant Byte) that the NTK Keyboard Controller sends.
KEY TOUCH	Change the Key Touch of the keyboard. There are 9 types of touch curves in total. You can also press the SHIFT Button and a specific key to quickly change the Key Touch. (Please refer to Appendix 1 for details of the keys.)
MIDI OUT	Select the MIDI OUT signal path that the NTK Keyboard Controller transmits. USB: Send the MIDI signal from the computer, through the NTK device, then send it out. KEY: Send the MIDI signal from the NTK device out. KEY&USB: Send the USB and the KEY signals simultaneously.
AFTER TOUCH	Enable/disable the Aftertouch.
TOUCHPAD	Enable/disable the Touch Pad.
PAD MSG	Select NOTE or CC message for the Pads to send. (Available for NTK-61)
PAD CH	Set as the GLOBAL Channel for Pads to transmit messages. (Available for NTK-61)

Factory Reset

To do Factory Reset for the NTK Keyboard Controllers, turn off the power first, then press and hold SHIFT+both the OCTAVE Buttons and turn on the power.



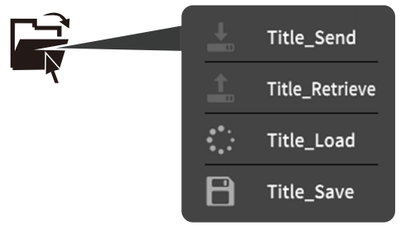
NTK Editor Software

The NTK Editor Software is available for download on the NUX Official Website (www.nuxaudio.com).

Launch the NTK Editor, select your NTK Keyboard model in the Device list, and click on Connect.



Click on the File button on the upper right corner to Send and Retrieve all the presets and settings between your NTK Keyboard and your NTK Editor. You can also Save as a file on your computer or Load the file back.

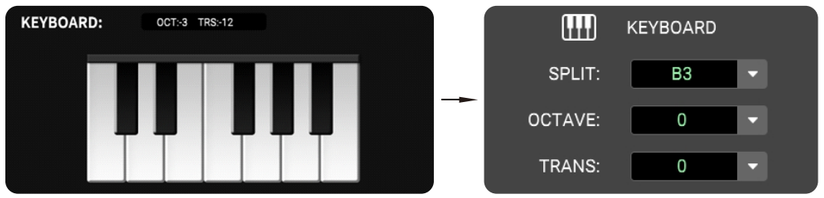


Note: Parameters in the NTK Editor will be saved automatically. When you exit the Editor and launch it again, it stays the same as your last edits. However, if you conduct Retrieve, the parameters in the NTK Keyboard device will cover all the parameters in the NTK Editor. You can Save the file on your computer beforehand.

On the NTK Editor, you can edit parameters in MIDI, DAW, and OTHERS (Global) tabs.

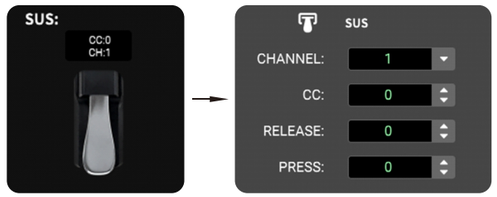
MIDI

●Keyboard



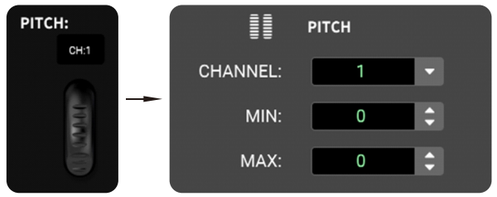
SPLIT	Set the Split Point of the keyboard for the Arpeggiator and the Smart Scale function. Value: C2~C6
OCTAVE & TRANS	Shift the keyboard's octave up or down, or transpose the keyboard in semitone steps. Value: OCTAVE: -3~+3 TRANSPOSE: -12~+12

● Sustain Pedal



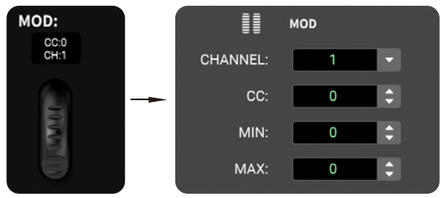
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Pedal. Value： 0-127
RELEASE	Set the minimum value when the Pedal is Released. Value: 0-127
PRESS	Set the maximum value when the Pedal is Pressed. Value: 0-127

● Pitch Bend Wheel



CHANNEL	Value: GLOBAL, 1-16
MIN	Set the minimum value the Wheel can send. (You can invert the Pitch Bend Wheel by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Wheel can send. (You can invert the Pitch Bend Wheel by setting the MAX value lower than the MIN value.) Value: 0-127

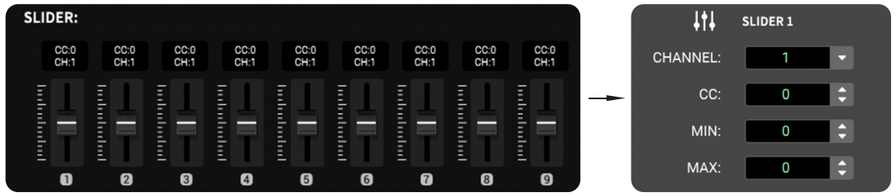
● Modulation Wheel



CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Modulation Wheel. Value： 0-127

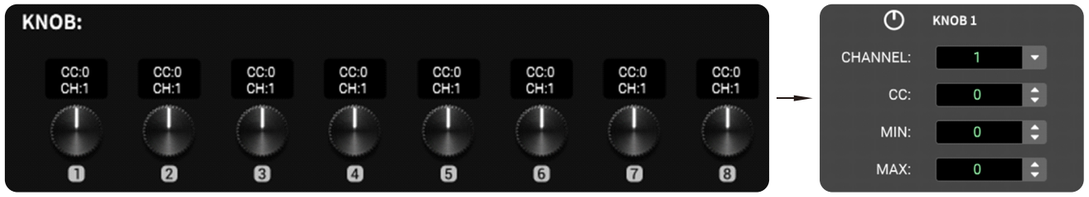
MIN	Set the minimum value the Wheel can send. (You can invert the Modulation Wheel by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Wheel can send. (You can invert the Modulation Wheel by setting the MAX value lower than the MIN value.) Value: 0-127

● Sliders



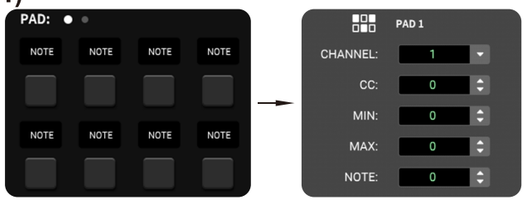
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Slider. Value： 0-127
MIN	Set the minimum value the Slider can send. (You can invert the Slider by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Slider can send. (You can invert the Slider by setting the MAX value lower than the MIN value.) Value: 0-127

● Knobs (Available for NTK-49 and NTK-61)



CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Knob. Value： 0-127
MIN	Set the minimum value the Knob can send. (You can invert the Knob by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Knob can send. (You can invert the Knob by setting the MAX value lower than the MIN value.) Value: 0-127

● Pads (Available for NTK-61)



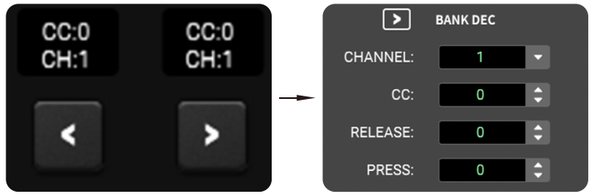
CHANNEL	Value: GLOBAL (i.e. PAD CH in the GLOBAL Settings), 1-16
CC	Set the MIDI CC message sent by the Pad. Value： 0-127
RELEASE	Set the minimum value when the Pad is Released. Value: 0-127
PRESS	Set the maximum value when the Pad is Pressed. Value: 0-127
NOTE	Set the NOTE message sent by the Pad. Value: 0-127

●Transport Control Buttons



CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Transport Control Button. Value： 0-127
RELEASE	Set the minimum value when the Button is Released. Value: 0-127
PRESS	Set the maximum value when the Button is Pressed. Value: 0-127

● Bank+ and Bank-

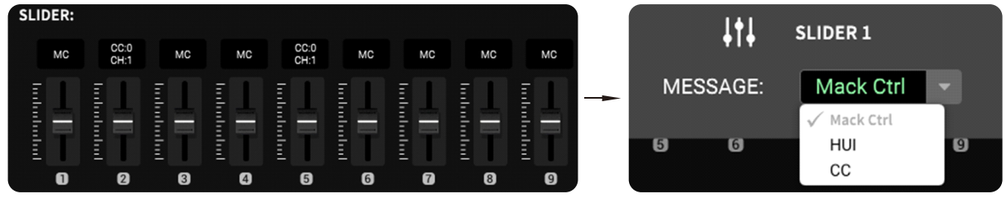


CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by Bank- or Bank+. Value： 0-127
RELEASE	Set the minimum value when the Bank- or Bank+ operation is Released. Value: 0-127
PRESS	Set the maximum value when the Bank- or Bank+ operation is Pressed. Value: 0-127

DAW

Besides CC messages, you can also assign other kinds of messages to Knobs, Sliders, and Buttons.

● Sliders



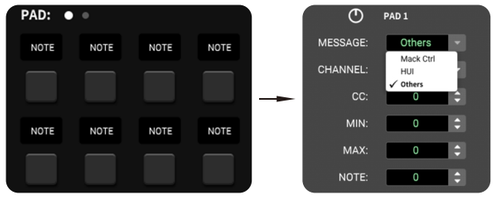
MESSAGE	Mackie Control, HUI, CC
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Slider. Value： 0-127
MIN	Set the minimum value the Slider can send. (You can invert the Slider by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Slider can send. (You can invert the Slider by setting the MAX value lower than the MIN value.) Value: 0-127

●Knobs (Available for NTK-49 and NTK-61)



MESSAGE	Mackie Control, HUI, CC
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Knob. Value： 0-127
MIN	Set the minimum value the Knob can send. (You can invert the Knob by setting the MIN value higher than the MAX value.) Value: 0-127
MAX	Set the maximum value the Knob can send. (You can invert the Knob by setting the MAX value lower than the MIN value.) Value: 0-127

●Pads (Available for NTK-61)



MESSAGE	Mackie Control, HUI, Others
CHANNEL	Value: GLOBAL (i.e. PAD CH in the GLOBAL Settings), 1-16

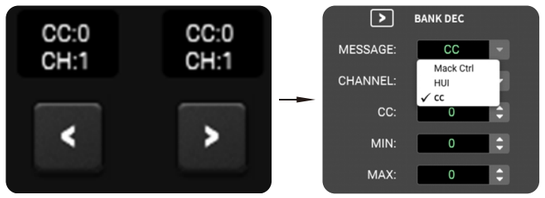
CC	Set the MIDI CC message sent by the Pad. Value： 0-127
RELEASE	Set the minimum value when the Pad is Released. Value: 0-127
PRESS	Set the maximum value when the Pad is Pressed. Value: 0-127
NOTE	Set the maximum value when the Pad is Pressed. Value: 0-127

●Transport Control Buttons



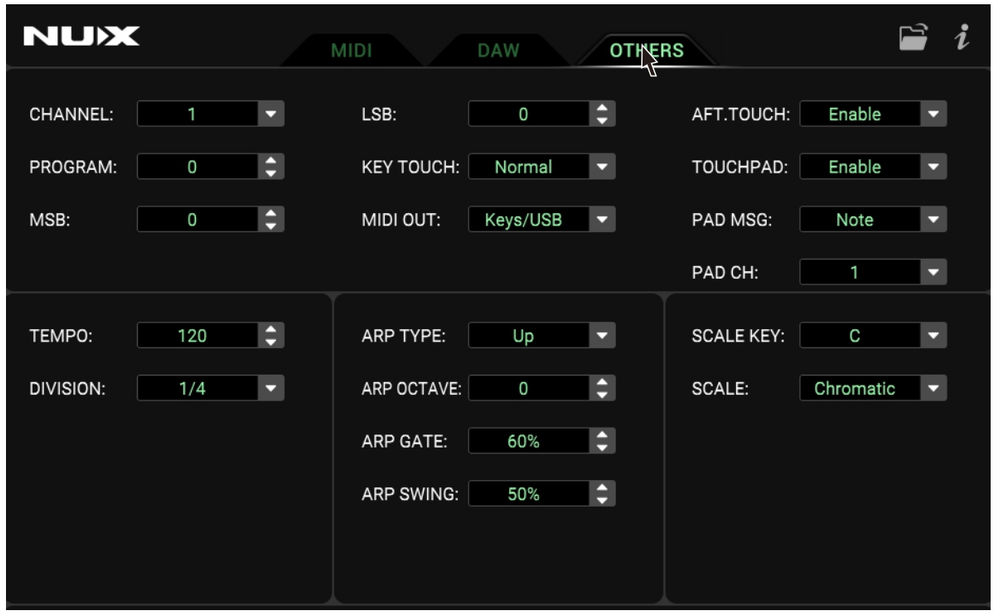
MESSAGE	Mackie Control, HUI, CC
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by the Transport Control Button. Value： 0-127
RELEASE	Set the minimum value when the Transport Control Button is Released. Value: 0-127
PRESS	Set the maximum value when the Transport Control Button is Pressed. Value: 0-127

●Bank+ and Bank-



MESSAGE	Mackie Control, HUI, CC
CHANNEL	Value: GLOBAL, 1-16
CC	Set the MIDI CC message sent by Bank- or Bank+. Value： 0-127
RELEASE	Set the minimum value when the Bank- or Bank+ operation is Released. Value: 0-127
PRESS	Set the maximum value when the Bank- or Bank+ operation is Pressed. Value: 0-127

OTHERS (Global)



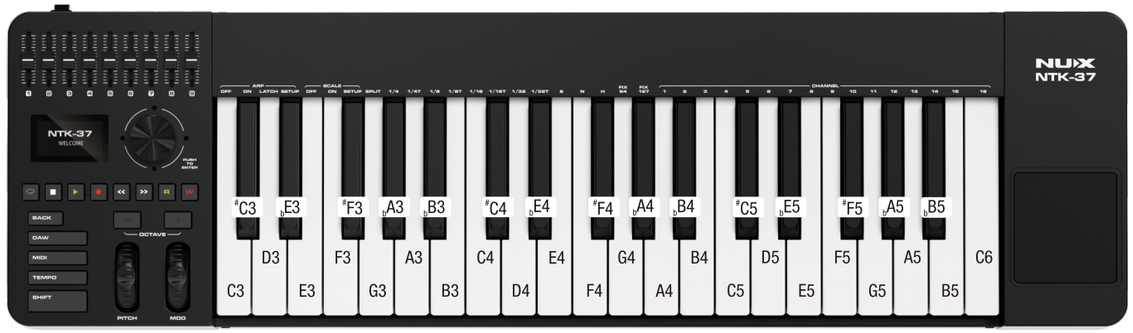
You can set Global Parameters in the OTHERS (Global) tab on the NTK Editor, including:

CHANNEL	Set as the GLOBAL Channel to transmit messages (except for pads). Value: 1-16
PROGRAM	Set the Program Change message that the NTK Keyboard Controller sends.
MSB	Set the MSB (Most Significant Byte) that the NTK Keyboard Controller sends.
LSB	Set the LSB (Least Significant Byte) that the NTK Keyboard Controller sends.
KEY TOUCH	Change the Key Touch of the keyboard. There are 9 types of touch curves in total. You can also press the SHIFT Button and a specific key to quickly change the Key Touch. (Please refer to Appendix 1 for details of the keys.)
MIDI OUT	Select the MIDI OUT signal path that the NTK Keyboard Controller transmits. USB: Send the MIDI signal from the computer, through the NTK device, then send it out. KEY: Send the MIDI signal from the NTK device out. KEY&USB: Send the USB and the KEY signals simultaneously.
AFTER TOUCH	Enable/disable the Aftertouch.
TOUCHPAD	Enable/disable the Touch Pad.
PAD MSG	Select NOTE or CC message for the Pads to send. (Available for NTK-61)
PAD CH	Set as the GLOBAL Channel for Pads to transmit messages. (Available for NTK-61)
TEMPO	Set the tempo: 20-240bpm
DIVISION	Set the Time Division: 1/4, 1/4T, 1/8, 1/8T, 1/16, 1/16T, 1/32, 1/32T
ARP TYPE	Change the Type of the Arpeggiator.
ARP OCTAVE	Change the Octaves of the Arpeggiator.
ARP GATE	Change the Gate of the Arpeggiator. Range: 20%~80%
ARP SWING	Change the SWING of the Arpeggiator. Range: 50%~75%
SCALE KEY	Change the Key of the Smart Scale function.
SCALE	Change the Scale of the Smart Scale function.

Appendix 1

Secondary Functions of the Keys

● NTK-37

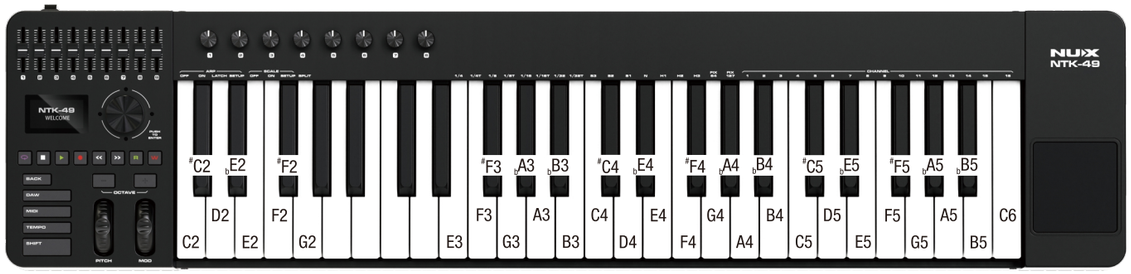


Key	Secondary Function
C3	Arpeggiator OFF
#C3	Arpeggiator ON
D3	Arpeggiator LATCH
bE3	Arpeggiator Settings
E3	Smart Scale OFF
F3	Smart Scale ON
#F3	Smart Scale Settings
G3	Split Point Settings
bA3	Time Division 1/4
A3	Time Division 1/4T
bB3	Time Division 1/8
B3	Time Division 1/8T
C4	Time Division 1/16

Key	Secondary Function
#C4	Time Division 1/16T
D4	Time Division 1/32
bE4	Time Division 1/32T
E4	Key Touch SOFT
F4	Key Touch NORMAL
#F4	Key Touch HARD
G4	Key Touch FIX 64
bA4	Key Touch FIX 127
A4	Global Channel 1
bB4	Global Channel 2
B4	Global Channel 3
C5	Global Channel 4
#C5	Global Channel 5

Key	Secondary Function
D5	Global Channel 6
bE5	Global Channel 7
E5	Global Channel 8
F5	Global Channel 9
#F5	Global Channel 10
G5	Global Channel 11
bA5	Global Channel 12
A5	Global Channel 13
bB5	Global Channel 14
B5	Global Channel 15
C6	Global Channel 16

● NTK-49



Key	Secondary Function
C2	Arpeggiator OFF
#C2	Arpeggiator ON
D2	Arpeggiator LATCH
bE2	Arpeggiator Settings
E2	Smart Scale OFF
F2	Smart Scale ON
#F2	Smart Scale Settings

Key	Secondary Function
G2	Split Point Settings
E3	Time Division 1/4
F3	Time Division 1/4T
#F3	Time Division 1/8
G3	Time Division 1/8T
bA3	Time Division 1/16
A3	Time Division 1/16T

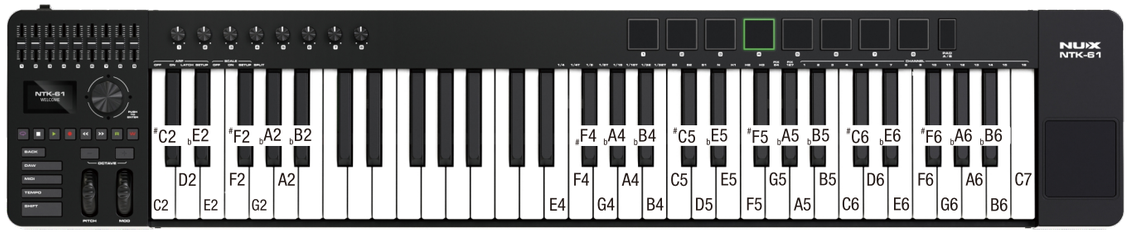
Key	Secondary Function
bB3	Time Division 1/32
B3	Time Division 1/32T
C4	Key Touch SOFT 3
#C4	Key Touch SOFT 2
D4	Key Touch SOFT 1
bE4	Key Touch NORMAL
E4	Key Touch HARD

Key	Secondary Function
F4	Key Touch HARD 2
#F4	Key Touch HARD 3
G4	Key Touch FIX 64
bA4	Key Touch FIX 127
A4	Global Channel 1
bB4	Global Channel 2
B4	Global Channel 3

Key	Secondary Function
C5	Global Channel 4
#C5	Global Channel 5
D5	Global Channel 6
bE5	Global Channel 7
E5	Global Channel 8
F5	Global Channel 9
#F5	Global Channel 10

Key	Secondary Function
G5	Global Channel 11
bA5	Global Channel 12
A5	Global Channel 13
bB5	Global Channel 14
B5	Global Channel 15
C6	Global Channel 16

● NTK-61



Key	Secondary Function
C2	Arpeggiator OFF
#C2	Arpeggiator ON
D2	Arpeggiator LATCH
bE2	Arpeggiator Settings
E2	Smart Scale OFF
F2	Smart Scale ON
#F2	Smart Scale Settings
G2	Split Point Settings
bA2	Note Repeat OFF
A2	Note Repeat ON
bB2	Note Repeat LATCH
E4	Time Division 1/4
F4	Time Division 1/4T
#F4	Time Division 1/8
G4	Time Division 1/8T

Key	Secondary Function
bA4	Time Division 1/16
A4	Time Division 1/16T
bB4	Time Division 1/32
B4	Time Division 1/32T
C5	Key Touch SOFT 3
#C5	Key Touch SOFT 2
D5	Key Touch SOFT 1
bE5	Key Touch NORMAL
E5	Key Touch HARD 1
F5	Key Touch HARD 2
#F5	Key Touch HARD 3
G5	Key Touch FIX 64
bA5	Key Touch FIX127
A5	Global Channel 1
bB5	Global Channel 2

Key	Secondary Function
B5	Global Channel 3
C6	Global Channel 4
#C6	Global Channel 5
D6	Global Channel 6
bE6	Global Channel 7
E6	Global Channel 8
F6	Global Channel 9
#F6	Global Channel 10
G6	Global Channel 11
bA6	Global Channel 12
A6	Global Channel 13
bB6	Global Channel 14
B6	Global Channel 15
C7	Global Channel 16

Appendix 2

Arpeggiator

Type
UP
DOWN
INCLUDE
EXCLUDE
ORDER
RANDOM
CHORD
Octave
0-3
Gate
20%-80%
Swing
50%-75%

Smart Scale

Scale
CHROMATIC
MAJOR
DORIAN
PHRYGIAN
LYDIAN
MIXOLYDIAN
MINOR
LOCRIAN
MINOR MELODIC
MINOR HARMONIC
PENTATONIC MAJOR
PENTATONIC MINOR
BLUES
ALTERED DOMINANT
DIMINISHED (W-H)
WHOLE TONE
Scale Key
C、#C、D、bE、E、F、 #F、G、bA、A、bB、B

DAW Preset

Preset
CUBASE
LOGIC PRO
PROTOOLS
NUENDO
ABLETON LIVE
STUDIO ONE
FL STUDIO
GARAGE BANDA
USER

Key Touch

Touch Curves
SOFT-3
SOFT-2
SOFT-1
NORMAL
HARD-1
HARD-2
HARD-3
FIX-64
FIX-127

Specifications

NTK-37

Power Supply	USB 5V
Sliders	9 sliders
Transport Control	8 buttons
Dimensions	745(L) x 210(W) x 74(H)mm
Weight	4kg

NTK-49

Power Supply	USB 5V
Sliders	9 sliders
Knobs	8 buttons
Transport Control	8 buttons
Dimensions	909(L) x 210(W) x 74(H)mm
Weight	5kg

NTK-61

Power Supply	USB 5V
Sliders	9 sliders
Knobs	8 knobs
Pads	8 pads
Transport Control	8 buttons
Dimensions	1074(L) x 210(W) x 74(H)mm
Weight	5.5kg

*Specifications and features are subject to change without notice.