DONNER N-49 MIDI Keyboard User Manual

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N-49 MIDI KEYBOARD USER MANUAL

Welcome to Donner

Thank you for choosing Donner N-49 MIDI KEYBOARD!

Please read this user manual carefully before using this product.
Be sure to save these instructions for future reference.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND ANNOYING INTERFERENCE, PLEASE USE ONLY THE RECOMMENDED ACCESSORIES FOR UNINTERRUPTED SERVICE OF THIS DEVICE!

*DESIGN AND SPECIFICATIONS MAY CHANGE WITHOUT NOTICE.

⚠ **WARNING**
DO NOT OPEN
ELECTRIC SHOCK HAZARD

For the latest operation, please download the updated user manual from the official website.

Contents

IMPORTANT SAFETY INSTRUCTIONS

* Please read the following in detail first before operation.

- Keep and follow these instructions.
- Do not store it in the following environments: Direct sunlight, high temperature, excessive humidity, excessive dust, and strong vibration.
- Do not disassemble or modify this product to avoid the danger of fire and electric shock.
- Do not submerge it in water or drop water onto or into it.
- Do not place this product on an uneven surface or any other unstable place.
- Before cleaning the instrument, always remove the USB cable. Do not clean the product with thinners, alcohol, or similar chemicals to avoid discoloration.
- Do not insert small objects into the product.
- Unplug this product during lightning storms and long-time disuse.

INTRODUCTION

Congratulations on purchasing an Donner Midi keyboard. The N line offers 49 note velocity-sensitive USB keyboards designed to easily integrate with your PC or Mac computer or iPhone/iPad. Ideal for a multitude of music creation and education applications, the N line offers modulation and pitch bend wheels, and function buttons. The N-49 is features true plug-and-play operation under Windows XP and Mac OS X, we recommend that you spend a few minutes reviewing this manual to learn about proper operation, advanced functionality, and programmability.
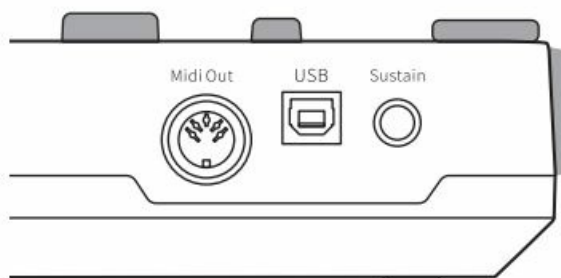
FEATURES

Ports:

- MIDI OUT
- USB MIDI IN/OUT
- Sustain Pedal Input

Power:
• USB POWER

Keyboard:

- 49 velocity-sensitive keyboard
- Pitch /Modulation

- Volume/Control slider
- Sustain pedal input
- Octave +/- buttons
- Chord Function button
- Advanced Functions button

  Chord Function button

  Sequencer Function button

  Latch Function button

  Arpeggio Function button

PACKAGE INCLUDES

- N-49 MIDI Keyboard XI
- USB Cable XI
- User Manual XI

If any of the above listed items are missing, please let us know via Email : **service@donnermusic.com**

ABOUT THE MANUAL

This user manual covers the operation of the N-49 USB keyboards. Though this manual does not provide a detailed explanation of how to set up your keyboard for use with third-party music software, the majority of music software applications will work seamlessly with the keyboard. Please consult your software application's manual for additional information.

CONNECTING YOUR KEYBOARD

1. You can power the keyboard either via a powered USB port or an optional external power supply. The keyboard are low-power devices and an external power supply should not be necessary. It is recommended that you connect the keyboard to an onboard USB port or to a powered USB hub.

   Power and Connection Via USB

   1. Plug the USB cable provided with your midi keyboard to a free USB port on your computer.
   2. Plug the other end of the USB cable to the USB input on the midi keyboard. The single USB cable not only powers the keyboard but also sends MIDI data to and from your computer system.

2. You can also use N-49 MIDI Keyboard with your iPad to control supported music creation apps. Connecting your N-49 MIDI Keyboard to an iPad requires the iPad Camera Connection Kit, which is available from the Apple Store.

Getting Started
Once you have finished installation you will need to configure your MIDI application software to use the N-49 MIDI Keyboard. Please note that when you press a key on the keyboard, you will not hear any sound. This is because pressing the key causes the keyboard to send out MIDI data.
MIDI data gives instructions on how a sound should play, but in order to actually hear that sound you need to configure your music software to read the MIDI data being sent from the N-49 MIDI Keyboard and play the sound back accordingly. This setup will more than likely entail going into an Options or Device Set-Up menu in your music software application and selecting the appropriate device. The Keyboard should appear under the name "USB Audio Device· for Windows XP or as "N-49 MIDI Keyboard" for other Operating Systems in the MIDI devices section of your music software application. Please consult the manual that came with your software for the proper

set up procedure.

(Pitch) Bend joystick

Volume

- The assignable pitch bend joystick is primarily used to bend the notes played on the keyboard up or down.
- The default Continuous Controller number [MIDI CC) for Pitch is 64. The minimum value is 0, the maximum value is 127.

(Modulation) Bend joystick

- The modulation joystick is typically used for modulation of the sound you are playing. This type of real-time controller was originally introduced on electronic keyboard instruments to give the performer options such as adding vibrato, just like players of acoustic instruments do.
- The default Continuous Controller number [MIDI CC) for Modulation is 64. The minimum value is 0, the maximum value is 127.

(Octave Buttons)

- An Octave contains 12 notes. Each octave is denoted on your Keyboard by black and white sections starting on C. Each octave is given a number.
- If you press the Octave·•· button once, indicating the keyboard's Octave is now shifted up. If you press the Octave "+" button again, you will shift one more octave up, and so on. It is possible to shift the keyboard up 3 Octaves or down 3 Octaves from O octave shift.
  To shift the octave down, press the Octave ·-· button and notice that LED above the Octave'+' goes out.
  If only the LED above the Octave·-· button is lit, the octave is shifted down, and
  if only the LED above the Octave ·•· button is lit, the octave is shifted up.
  To return the octave shift to 0, press both the Octave"+" and·- "buttons together, together, and both LED will light, indicating that the octave shift has returned to 0.

(Transpose Buttons)

Transpose

- A Transpose contains 12 notes, there are two ways of transposing the [±] keyboard. You can use the "Transpose-· and "Transpose+' respectively.
- Press the"+" button and you will hear the pitch of the note go up as you play.
  Press the·· button to transpose the keyboard down a half-step.
  Press both·•· and·· together to return to no transposition change.

(Advanced)

Advanced

- Can be used to access all the advanced functions of the keyboard. When the (Advanced) button is pressed, the keyboard goes into "Edit Mode".
  In Edit Mode, the keys on the keyboard are used for selecting functions and entering data.
- The light above the (Advanced) button indicates whether or not Edit Mode is engaged.
  In Edit Mode, the black keys on the keyboard are used for selecting functions, while the white keys are used for data entry, channel selection, and DAW selection.
- Your keyboard will exit out of Edit Mode as soon as a function is selected, or the Advanced button, CANCEL or ENTER key is pressed [the light above the (Advanced) button will turn off). The keyboard can then be used to play notes again.

(Chord)

Chord

- You can then play an entire chord by pressing a single key on the keyboard.
- You can enter a chord property, and it will record the property you have entered, and when you press any key, the note will trigger as the base note of the chord. Play one or more notes on the MIDI keyboard that you want to assign to the trigger key.
  ♦ As you play each note, you will hear that note and all the previously assigned notes in the chord. When you change the properties of the chord the second time you play it, the previously entered note will be overwritten.

(Sequencer)

-

Sequencer

When C is pressed, C is in 1/8 time; when C and E are pressed, C and E are in 1/8 time); the default beat of

the sequencer is 1/8 note.

- When the Sequencer is on, the digital tube directly displays the current tempo, which can be adjusted by the encoder itself, the default is 120 Bpm, and it can be adjusted by the encoder and the diode screen display, the value is 60 Bpm-240Bpm; if you want to choose 1/4, the tempo can be adjusted to 60 8pm.

(Arpeggio)

- Notes will be repeated in the same order in which their keys were pressed. Maximum transposition is +/-4 octaves. The speed of Arp can be adjusted by an encoder after it is triggered.

(Latch)

- When the Latch mode is activated, the arpeggio will continue to play arpeggios based on the last input chord, so you don't have to keep holding down the keys or even activate MIDI events in the corresponding track.
  ♦ ARP LATCH – Click this button to enable or disable the ARP latch. When this button light is on, the lock tone is turned on, which means the note will continue to arpeggiate even when the key is gone. Press the ARP button again when the light is on to stop the arpeggio. When locking is disabled, the notes are arpeggiated only when the keys are pressed with the option to go up 4 octaves or down 4 octaves.

Note: Latch and Arpeggio function is only available after the Sequencer has been triggered.
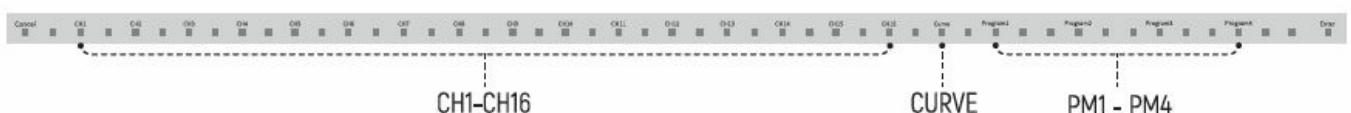
CH1-CH16
MIDI Channel: MIDI data from the keyboard can be sent on any of 16 MIDI Channels.

PM1-PM4
Hold down this button and press one of the KEYBOARD keys labeled PROGRAM1- 4 to recall the preset of the same number.

CURVE
In Velocity Curve, the key strength curve can be adjusted, which can be divided into three types [O soft, 1 ordinary, and 2 hard).

SPECIFICATIONS

Model	N-49
Type	DONNER N-49 MIDI KEYBOARD
Keyboard	49 Semi Weighted keys
Power	USB TYPE-B 5V 500mA
MIDI OUT	5Pin DIN
Dimension(Keyboard)	
Dimensions(W*h*d)	725*190*60mm
Weight	2.06kg
Dimension(Packaging)	
Dimensions(W*h*d)	773*102*240mm
Gross Weight	2.6kg

FCC Statement

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.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 10cm between the radiator & your body.

⠶ DONNER®

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Documents / Resources

DONNER N-49 MIDI Keyboard [pdf] User Manual
N49, N-49 MIDI Keyboard, N-49, MIDI Keyboard, Keyboard

References

- **User Manual**