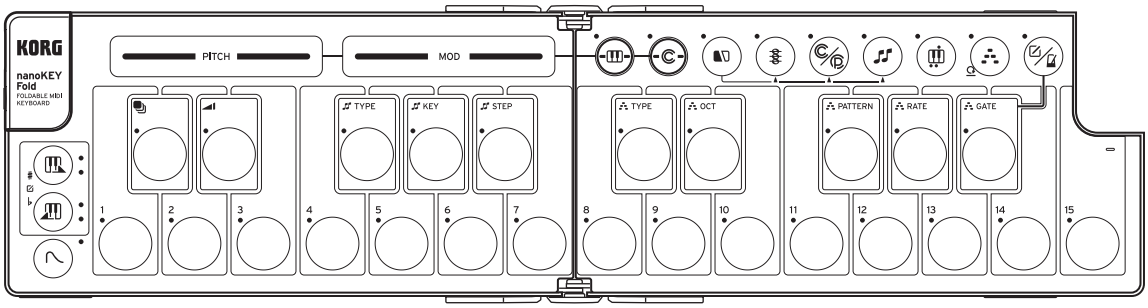
KORG

# nanoKEY Fold

FOLDABLE MIDI KEYBOARD

# Owner's Manual



# Table of contents

# Introduction

Thank you for purchasing the nanoKEY Fold, Korg's foldable MIDI keyboard.

To take full advantage of this device's functionality and ensure years of trouble-free operation, please read this Owner's Manual carefully before use.

→ Conventions in this manual

→ Main features

# Conventions in this manual

- Specifications and appearance of this product are subject to change without notice.
- The shape and display content shown in this manual may differ in some ways from the actual product.
- Symbols used in this manual

⚠ Indicates an explanation you should heed to ensure that you can correctly utilize the capabilities or functionality of this unit.

*Note* Indicates an explanation that requires your attention.

*Tip* Indicates supplementary information that is useful to know.

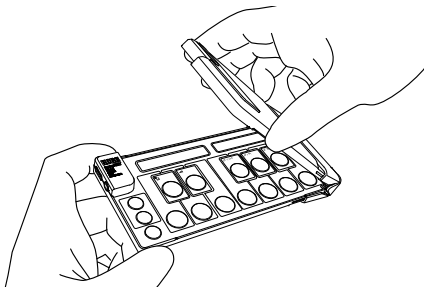
# Main features

- **Compact size equivalent to a smartphone when folded up**
  Fold up the nanoKEY Fold and put it in your pocket—convenient to take anywhere.
- **A 25-key keyboard with a thin form factor, quiet keys and just the right amount of click**
  Features a quiet keybed that lets you work on your music even in places like a café, without fear of bothering anyone. The keyboard buttons are equipped with LEDs that light up when you play them. The nanoKEY Fold also features a Scale Guide, along with an Easy Scale function that lets anyone play without hitting the wrong notes.
- **Built-in arpeggiator**
  The arpeggiator of the nanoKEY Fold gives you access to many rhythm patterns. Use the keyboard buttons or the touch slider to add a sense of rhythm to your performance.
- **Two touch sliders for performance and control**
  The touch sliders can be used to control synthesizer parameters, as well as a Touch Keyboard function. You can trace your fingers across the touch sliders to play melodies in the specified key and scale, without detailed musical knowledge or playing skill. This lets you operate the keyboard in a simple and effortless way to play musical phrases.
- **Split function**
  Use this function to switch between and play in different modes for the left and right parts of the keyboard.
  You can set chords, CC/PC (control changes/program changes) and easy scales.
- **Fifteen user scene memories**
  You can use the KORG KONTROL EDITOR to save the settings you've assigned to the controllers as a scene on the nanoKEY Fold (up to 15 scenes).
  Use these user scenes to instantly switch between the settings you've prepared beforehand, according to the software synthesizers and DAW software you're using.

# Connecting and getting ready to play

# Opening and closing the nanoKEY Fold

Open (unfold) this keyboard while holding the top and bottom.



⚠ Do not use unnecessary force or apply pressure to the hinges when opening this keyboard.

### Caution when using this device

Be sure to place this device on a flat surface during use.

⚠ The nanoKEY Fold is equipped with magnets. Do not place or store this keyboard near items such as watches or magnetic cards that can be affected by magnetic fields.

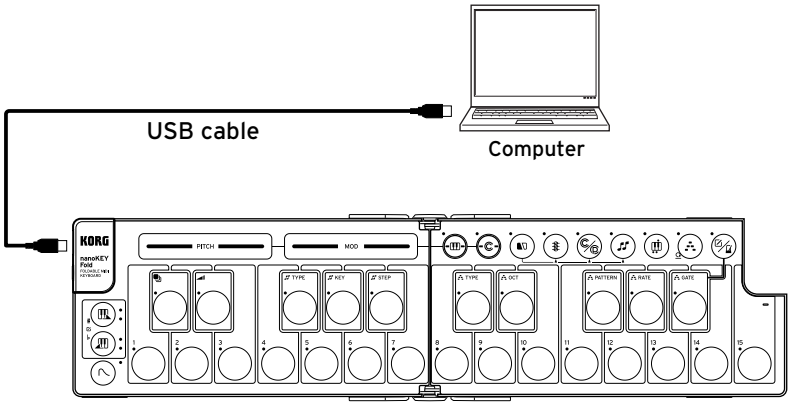
⚠ Do not use hard and sharp objects such as your fingernails or the tip of a pen when pressing or rubbing against the buttons, as this may damage them.

⚠ The buttons may feel different depending on the ambient temperature.

# Connecting via USB

## Connecting to a computer

**1** Use the included USB cable to connect the nanoKEY Fold to the USB (Type-C) port on your computer. Once you've connected the cable, turn on the nanoKEY Fold.




⚠ Make sure to use the included USB cable.

*Tip:* When the nanoKEY Fold is first connected to your Windows computer, the USB-MIDI driver pre-installed with the operating system is used automatically. See the Korg website (https://www.korg.com/support/os/) for the latest information on OS support.

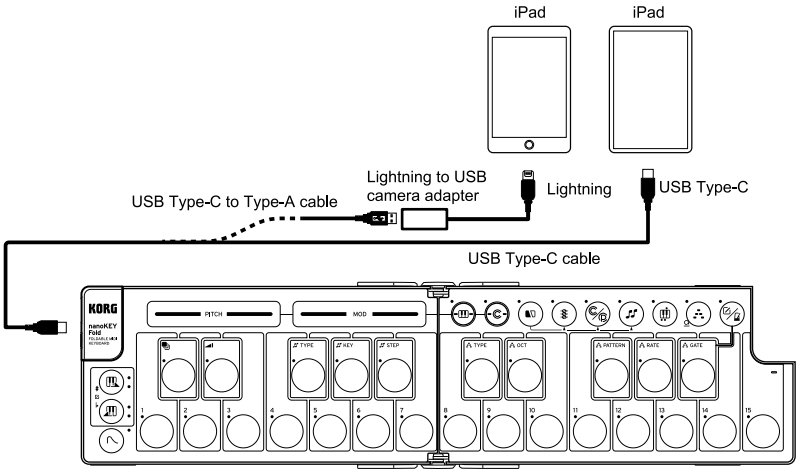
**2** Connect the USB port of the nanoKEY Fold to your computer to exchange data with KORG KONTROL EDITOR, transmit and receive note messages and more.
For details on MIDI data that can be transmitted and received, see the MIDI implementation chart. You can download this document from the Korg website (www.korg.com).

⚠ In order to use the nanoKEY Fold functions, settings must be specified to match your app. Refer to the Owner's Manual and specify the settings.

# Connecting to an iPad/iPhone

Use the included USB cable when connecting the nanoKEY Fold to the USB-C port of an iPad/iPhone.

When connecting to an iPad/iPhone that features a Lightning connector, use a commercially available Lightning to USB camera adapter and a USB-C to USB-A cable.




The nanoKEY Fold automatically turns off when you disconnect the USB cable from the USB port.

⚠ To avoid malfunctions and other issues, make sure the USB cable is no more than 3 m long.

# Connecting via MIDI

You can play an external MIDI tone generator with the nanoKEY Fold's keyboard, controllers or arpeggiator, and you can control its parameters. See the owner's manual of the external MIDI device for how to connect and configure it.

MIDI stands for Musical Instrument Digital Interface, and is a worldwide standard for exchanging various types of musical data between electronic musical instruments and computers. When MIDI cables are used to connect two or more MIDI devices or computers, performance data can be exchanged between them, even if they were made by different manufacturers.

*Tip:* The performance data of the nanoKEY Fold is output from the global MIDI channel. You can change the global MIDI channel.
→ Global parameters

## Connecting the USB adapter

When connecting via the MIDI connector, you must supply power to this unit via the USB port.

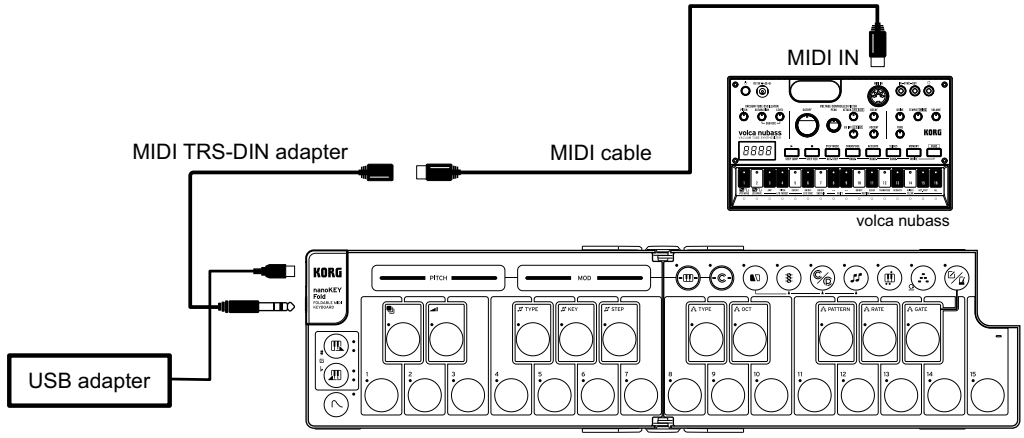
Use a USB cable to connect the USB port on the nanoKEY Fold to either the USB port on your computer or to a commercially available USB standards-compliant AC adapter (5 V DC, 550 mA or greater).

⚠ Note that some standards-compliant USB AC adapters might not operate correctly.

# Connecting the MIDI OUT connector to your MIDI device

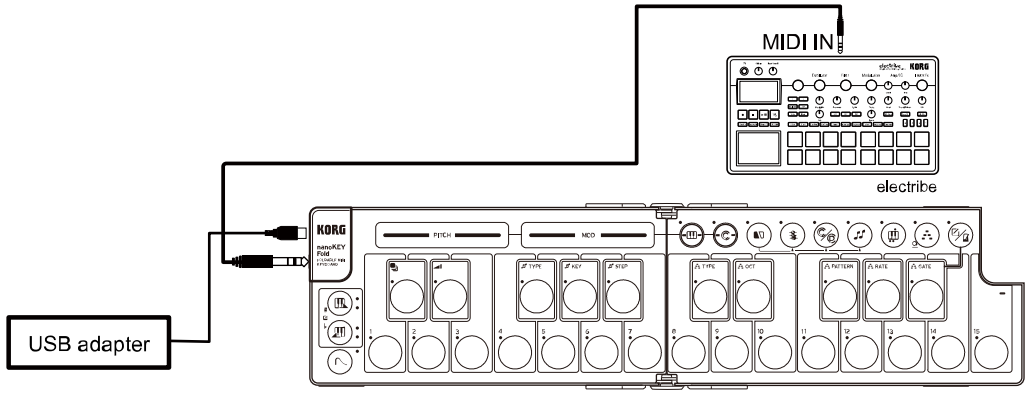
Connect the MIDI OUT connector (3.5 mm TRS mini-phone jack) of the nanoKEY Fold to the MIDI IN connector of your external device.

When connecting to the MIDI connector (5-pin DIN) of an external device, use the included MIDI TRS-DIN adapter cable (3.5 mm TRS mini phone to 5-pin DIN, female) and a commercially available MIDI cable (5-pin DIN). You can also use a commercially available MIDI TRS-DIN cable (3.5 mm TRS mini phone to 5-pin DIN male).




⚠ Be sure to use only a TRS MIDI A cable for TRS to 5-pin DIN conversion. You can't use a TRS MIDI B cable.

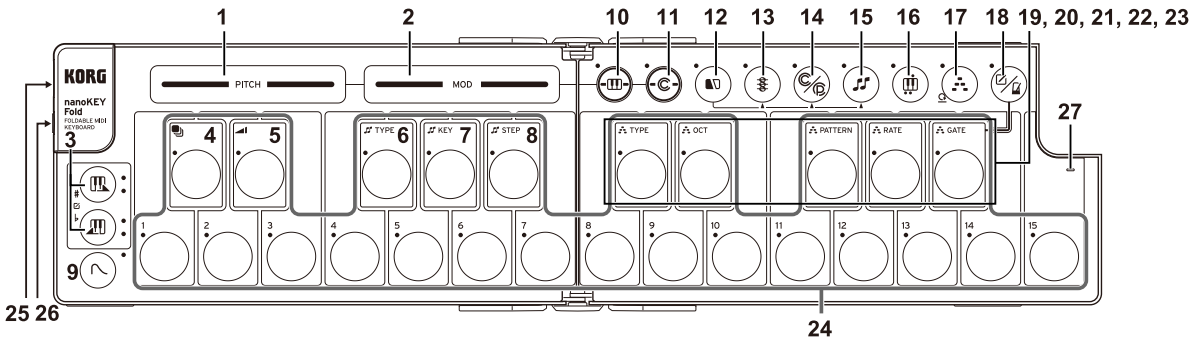
When connecting to a MIDI IN connector of an external device that's a 3.5 mm TRS mini phone jack, use a commercially available 3.5 mm TRS mini phone cable.



# Software setup

When connecting the nanoKEY Fold to your computer, you may first need to specify the MIDI port settings, load any software synthesizers or specify recording settings for individual tracks in your DAW software. For details, refer to the Owner's Manual of your software.

# Part names




1 PITCH slider → Touch sliders

2 MOD slider → Touch sliders

3 (Octave up), (Octave down) buttons (→ Octave shift)

4 (Scene) button (→ Selecting a scene)

5 (Velocity) button (→ Velocity settings)

6 TYPE (Scale Type) button (→ Setting the scale type)

7 KEY (Scale Key) button (→ Setting the scale key)

8 STEP (Scale Step) button (→ Scale step)

9 (Sustain) button (→ Sustain)

10 (Touch Keyboard) button (→ Touch keyboard)

11 (Touch CC) button (→ Touch CC)

12 (Split) button (→ Split mode)

13 (Chord) button (→ Chord mode)

14 (CC/PC) button (→ CC/PC mode)

15 (Easy Scale) button (→ Easy scale)

16 (Scale Guide) button (→ Scale guide)

17 (Arpeggiator) button (→ Arpeggiator)

18 (EDIT/TAP) button

19 TYPE (Arpeggiator Type) button (→ Arpeggiator type)

20 OCT (Arpeggiator Octave) button (→ Range over which arpeggios play)

21 PATTERN (Arpeggiator Pattern) button (→ Rhythm patterns)

22 RATE (Arpeggiator Rate) button (→ Setting the arpeggiator speed)

23 GATE (Arpeggiator Gate) button (→ Setting the arpeggiator note length)

24 Keyboard buttons (→ Keyboard buttons)

25 USB port (→ Connecting via USB)

26 MIDI port (→ Connecting via MIDI)

27 Power LED

# Functions and operations of controls

This explains the functions and settings for each button and slider.

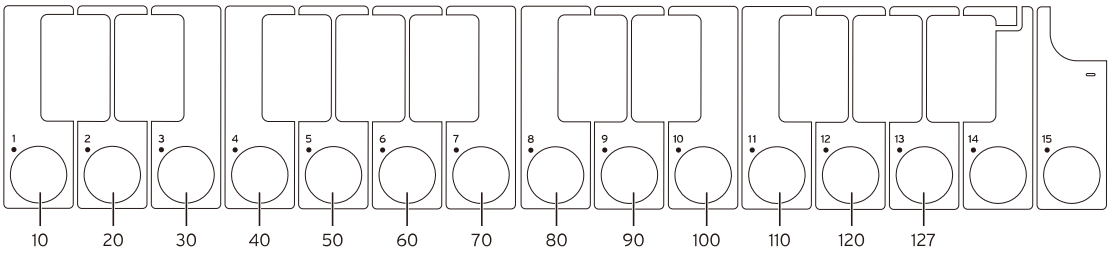
# Keyboard buttons

The keyboard buttons consist of 25 keys, which are used to transmit note messages. The velocity for these keys is output at a fixed value.

## Velocity settings

This specifies the velocity that's transmitted when you press a keyboard button.

1. Press the (Velocity) button while holding down the (EDIT/TAP) button.
2. Press one of the keyboard 1–13 buttons to select a velocity value.



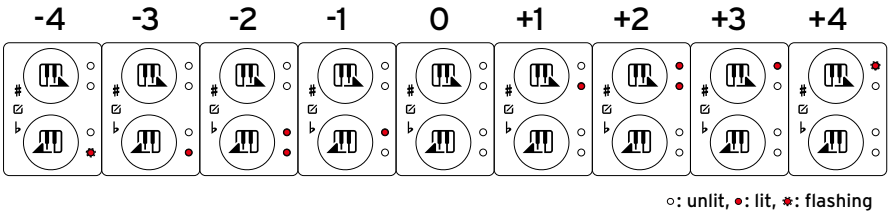

*Tip:* The default setting value for velocity when the power is turned on can be set to 1-127 in the Global Parameters. → Velocity Const Value [1...127]

## Octave shift

The range of the keyboard, touch keyboard, chord and Easy Scale functions can be shifted by octaves.

Each press of the (Octave up) or (Octave down) button shifts the range one octave higher or lower.

As shown in the illustration below, the LEDs of the (Octave up) and (Octave down) buttons light up to indicate the state of the octave range shift.




*Tip:* Press the (Octave up) and (Octave down) buttons at the same time to reset the octave shift to ±0.

# Transpose

The pitch of the keyboard can be transposed in semitone steps. By transposing the keyboard, you can play using fingering with less black keys, or you can match the pitch of the other instruments to play along while using the fingering you previously memorized. This also transposes the touch keyboard, chord and Easy Scale.

Press the (Octave up) or (Octave down) button while holding down the (EDIT/TAP) button to transpose the pitch of the keyboard in semitone steps. The range is -12 to +12.

*Tip:* Press the (Octave up) and (Octave down) buttons at the same time while holding down the (EDIT/TAP) button to reset the transposition to ±0.

## Sustain

You can make the notes that you play keep sounding (sustaining), even after you remove your finger(s) from the keyboard buttons.

A sustain message is transmitted for the notes you play while you press the (Sustain) button.

## Chord mode

The Chord feature lets you automatically assign chords to the keyboard buttons, based on the specified scale and key.

Use the (Chord) button to turn this feature on and off. → Setting the scale key

## CC/PC mode

In CC/PC mode, the 25 keyboard buttons work independently to transmit control or program change messages.

Use the (CC/PC) button to turn this feature on and off. → CC/PC-1...25

## Easy scale

This function lets you play melodies that match the scale of the white keyboard buttons you play.

Use the (Easy Scale) button to turn this feature on and off. → Setting the scale key

## Scale guide

The Scale Guide function uses the keyboard button LEDs to indicate the notes of the specified scale.

Use the (Scale Guide) button to turn this feature on and off. → Setting the scale key

# Split mode

1 Press the (Split) button to enter Split mode.
The (Split) button and Chord button light up, and the left-hand part of the keyboard can be used for Chord mode, while the right-hand part can be used as a regular keyboard.

You can play a note on the keyboard while holding down the (Split) button to set the key at which the left and right sides of the keyboard are to be divided (the split point).

2 While in Split mode, you can press the (Chord) button, (CC/PC) button and the (Easy Scale) button to split the keyboard into left and right halves and assign a different mode to each. When two modes are selected, deselect one mode and then select a new mode.

Press the (Split) button again to cancel Split mode.

| | Mode name | Left side of keyboard | Right side of keyboard | Split | Chord | CC/PC | Easy Scale |
|---|---|---|---|---|---|---|---|
| 0 | Normal | Normal | Normal | ○ | ○ | ○ | ○ |
| 1 | Split chord | Chord | Normal | ● | ● | ○ | ○ |
| 2 | Split Easy Scale | Easy Scale | Normal | ● | ○ | ○ | ● |
| 3 | Split CC | CC/PC | Normal | ● | ○ | ● | ○ |
| 4 | Split Chord/Easy Scale | Chord | Easy Scale | ● | ● | ○ | ● |
| 5 | Split CC/Easy Scale | CC/PC | Easy Scale | ● | ○ | ● | ● |
| 6 | Split Chord/CC | Chord | CC/PC | ● | ● | ● | ○ |

LED state ○: unlit (off), ●: lit (on)

# Touch sliders

## Pitch bend/modulation

The touch sliders are used to transmit pitch bend messages (PITCH slider) and modulation messages (MOD slider).

You can control the pitch bend or apply modulation such as vibrato.

## Touch keyboard

Press the (Touch Keyboard) button to change the PITCH slider into a touch keyboard.

As you trace your fingertip across the PITCH slider, the touch keyboard generates a melody that's in tune with the specified scale and key. → Setting the scale key

You can set the control change (CC) number you like in the KORG KONTROL EDITOR for controlling the MOD slider.

*Tip:* Press the (Octave up) or (Octave down) button while holding down the (Touch Keyboard) button to change the range of the touch sliders over a range of 1–4 octaves.

## Touch CC

Press the (Touch CC) button to change the touch slider into a touch CC control.

You can assign separate MIDI control change messages to the PITCH and MOD sliders, for control of the two parameters.

# Setting the scale and key

You can specify the scale and key that are used with the touch keyboard, chord, scale guide and easy scale functions.

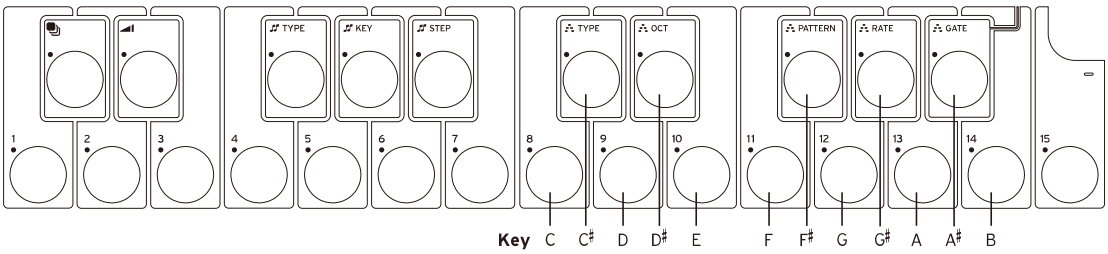
## Setting the scale type

1. Press the TYPE (Scale Type) button while holding down the (EDIT/TAP) button.
2. Press one of the keyboard 1–15 buttons to select the scale type. (→ Scale list)
   The LED lights up for the Scale Keyboard button you select.

## Setting the scale key

Sets the scale key in semitones. This changes the key for the touch keyboard, chord mode, Easy Scale and scale guide.

1. Press the KEY (Scale Key) button while holding down the (EDIT/TAP) button.
2. Press the keyboard button of the key you want to set.




## Scale step

This sets the number of notes that play for the scale within one octave.

1. Press the STEP (Scale Step) button while holding down the (EDIT/TAP) button.
2. Press one of the keyboard 1–7 buttons to select the scale step.
   The number of scale steps changes according to the scale type you select.

# Arpeggiator

The arpeggiator is a function that automatically separates the notes of a played chord and plays them in sequence. The arpeggiator of the nanoKEY Fold features many rhythm patterns, and you can use the keyboard buttons or the touch slider to add a sense of rhythm to your performance.

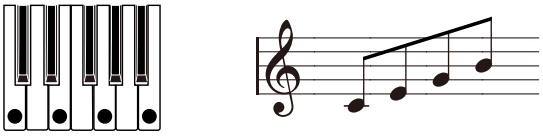
### Turning the arpeggiator on

Press the (Arpeggiator) button to switch the arpeggiator on/off.

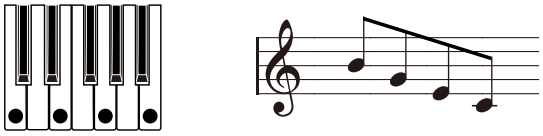
*Tip:* The arpeggiator notes play on the global MIDI channel. (→ Global parameters)

## Arpeggiator type

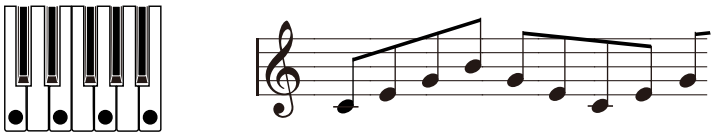
1. Press the TYPE (Arpeggiator Type) button while holding down the (EDIT/TAP) button.
2. Press one of the keyboard 1–6 buttons to select the arpeggiator type.
   **1 (Up):** Notes are played consecutively from low pitches to high.



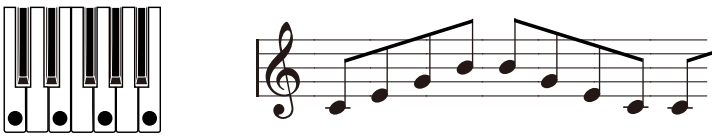
**2 (Down):** Notes are played consecutively from high pitches to low.



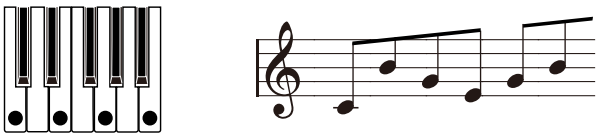
**3 (Alt1):** Up and Down are played repeatedly. The highest and lowest notes play one time per repeat cycle.



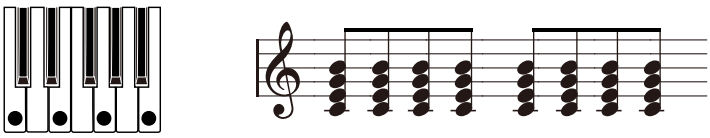
**4 (Alt2):** Up and Down are played repeatedly. The highest and lowest notes play two times per repeat cycle.



**5 (Random):** Notes play randomly.



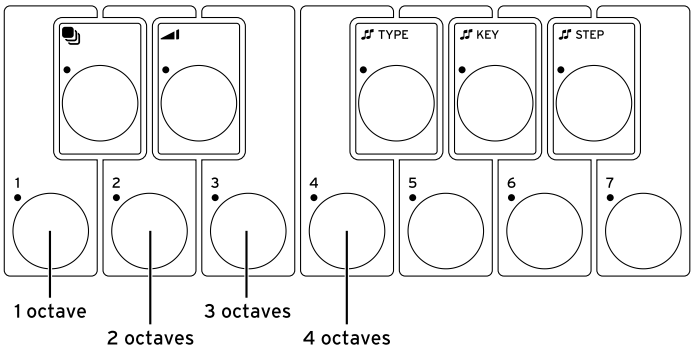
**6 (Trigger):** The notes you hold down are played simultaneously. The "Octave Range" setting is disabled.



## Range over which arpeggios play

Here's how to specify the octave range over which the arpeggios play, within a range of 1–4 octaves.

1. Press the OCT (Arpeggiator Octave) button while holding down the (EDIT/TAP) button.
2. Press one of the keyboard 1–4 buttons to select the range over which arpeggios play.




## Rhythm patterns

Here's how to select the rhythm pattern used by the arpeggiator.

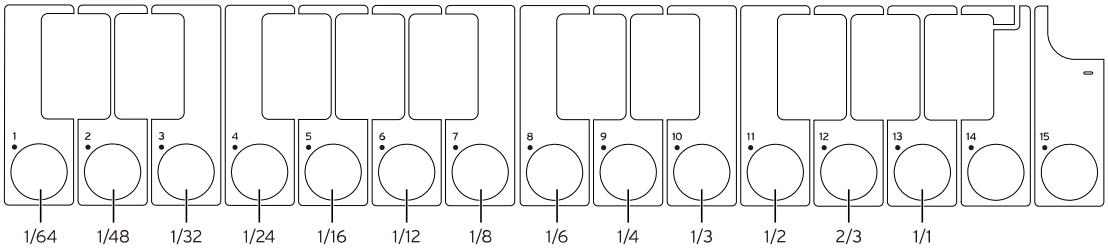
1. Press the PATTERN (Arpeggiator Pattern) button while holding down the (EDIT/TAP) button.
2. Press one of the keyboard 1–15 buttons to select the arpeggiator rhythm pattern.

For details on each pattern, refer to "Arpeggiator rhythm pattern list". → Arpeggiator rhythm pattern list

## Setting the arpeggiator speed

This shows how to set the speed of the arpeggiator. This can be set within the range from a whole note (1/1) to a sixty-fourth note (1/64).

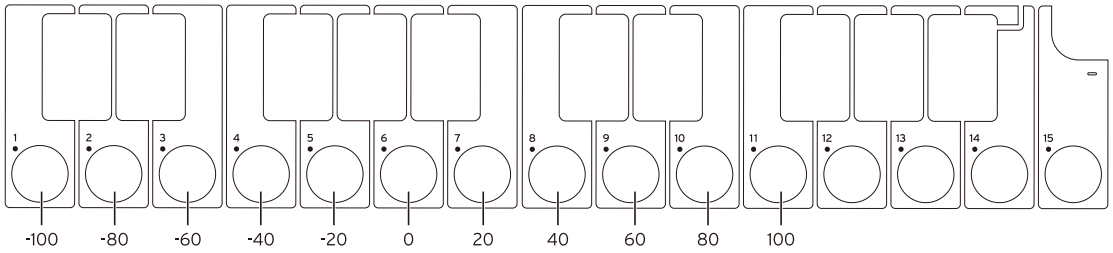
1. Press the RATE (Arpeggiator Rate) button while holding down the (EDIT/TAP) button.
2. Press one of the keyboard 1–13 buttons to select the beat (note value).



## Setting the arpeggiator note length

Here's how to set the arpeggiator note length (gate time).

1. Press the GATE (Arpeggiator Gate) button while holding down the (EDIT/TAP) button.
2. Press one of the keyboard 1–15 buttons to select the gate time.




## Setting the tempo (tap tempo function)

While the arpeggiator is on, set the tempo (BPM) of the arpeggiator by pressing the (EDIT/TAP) button at least three times at a steady interval along with the beat of the song.

*Tip:* Press the button multiple times for a more accurate tempo.

## Latch

These settings determine how the arpeggiator works when you release your hand from the keyboard buttons or touch sliders.

Long-press the (Arpeggiator) button to toggle the latch function on/off.

**Off:** The arpeggiator stops playing once you release your fingers from the keyboard buttons or touch sliders. This is useful when you want to synchronize the MIDI clocks with your DAW.

**On:** The arpeggiator keeps playing even after you've released your fingers from the keyboard buttons or touch sliders.

## Synchronizing with the notes played (Key Sync)

This specifies whether the arpeggiator plays back in sync with the notes you play using the keyboard buttons or the touch sliders.

*Note:* Use the KORG KONTROL EDITOR to change the Key Sync setting, as this can't be set on this device.

**Off:** Synchronization is off. With Key Sync off, the arpeggio pattern is not reset when you press a keyboard button or touch slider.

**On:** Synchronization is on. With Key Sync on, each time you press a keyboard button or use the touch sliders, the arpeggio pattern restarts. You can use this function to make the arpeggio pattern start in time with other instruments, playing back from the start of the measure.

## Split arpeggiator

When you press the (Arpeggiator) button in Split mode, the arpeggiator only takes effect on the notes you play using the keyboard buttons in the left half of the keyboard.

# Other functions

## Selecting a scene

You can use the scenes in the nanoKEY Fold to save the internal settings and switch between these settings, according to how you use the device.

1. Press the (Scene) button while holding down the (EDIT/TAP) button.
2. Press the keyboard 1–15 buttons to switch between scenes.

*Note:* The sound generator must be able to receive and process the MIDI messages sent from the controllers of the nanoKEY Fold. Refer to the owner's manual of the sound generator for details.

## Configuring the scenes

You can create scenes to match the device that this instrument is connected to, the application you're using and so forth.

Use KORG KONTROL EDITOR to configure the scene parameters. → Scene parameters

⚠ The settings you change on the nanoKEY Fold for each function cannot be saved on this device. Any changes that you make to the settings are lost if you turn off the power or switch to a different scene.

To store the settings for each function of the nanoKEY Fold, use the KORG KONTROL EDITOR to save the scene parameters as a scene.

# Customizing the controllers

# Customizing

## Getting ready to use KORG KONTROL EDITOR

Use the KORG KONTROL EDITOR software to customize how the nanoKEY Fold works. Download the software from the Korg website, and follow the instructions in the supplied document to set up the software.

*Tip:* For details on installing and using the KORG KONTROL EDITOR software, refer to the Owner's Manual for that software.

## Types of parameters

The following two types of parameters can be customized on the nanoKEY Fold.

### Scene parameters

These parameters determine what this device does when you operate the controllers. You can save up to 15 scene parameters on the nanoKEY Fold.

By preparing a separate scene parameter for each software title you are using, you can use them instantly by switching between scenes.

### Global parameters

These parameters configure the general behavior of the nanoKEY Fold, such as the keyboard button velocity value and energy-saving features. The global parameters will be shared among all scenes.

## Customizing the nanoKEY Fold

You can customize the nanoKEY Fold by connecting it to a computer via USB on which the KORG KONTROL EDITOR is installed.

# Parameter guide

## Scene parameters

### Keyboard (Keyboard buttons)

**MIDI Channel** **[1...16, Global]**

Specifies the MIDI channel that's used to transmit MIDI messages that are generated when you press the keyboard buttons. When this is set to "Global", MIDI messages are transmitted on the global MIDI channel that's set in the global parameters.

**Octave Shift** **[-4...4]**

Sets the octave of the notes played using the keyboard buttons.

**Transpose** **[-12...12]**

Sets how much the notes played using the keyboard buttons are transposed.

### CC/PC-1...25

**MIDI Channel** **[1...16, Global]**

Specifies which MIDI channel is used to transmit MIDI messages. When this is set to "Global", MIDI messages are transmitted on the global MIDI channel that's set in the global parameters.

**Assign Type** **[Control Change, Program Change, No Assign]**

Sets whether to transmit control change (CC) or program change (PC) messages.

**Button Behavior** **[Momentary, Toggle]**

Select the button behavior from the following two types.

**Momentary:** When a control change message is assigned, the On value control change message is transmitted when you press the button, and the Off value control change message is transmitted when you release the button.

**Toggle:** When a control change message is assigned, each press of the button alternately transmits a control change message with the On value or Off value.

**CC/PC Number** **[0...127]**

Specifies the value of the message (control change or program change) to transmit.

**Off Value** **[0...127]**

Specifies the value of the control change message to transmit when the button is released.

**On Value** **[0...127]**

Specifies the value of the control change message to transmit when the button is pressed.

## Touch sliders

### Pitch/Mod mode

**MIDI Channel [1...16, Global]**

Specifies which MIDI channel is used to transmit MIDI messages. When this is set to "Global", MIDI messages are transmitted on the global MIDI channel that's set in the global parameters.

**MOD Slider CC Number [0...127]**

Specifies the value of the control change message that is transmitted.

**MOD Slider Left Value [0...127]**

Specifies the value of the control change message that is transmitted when you touch the left edge of the touch slider.

**MOD Slider Right Value [0...127]**

Specifies the value of the control change message that is transmitted when you touch the right edge of the touch slider.

### Touch KBD (keyboard) mode

**MIDI Channel [1...16, Global]**

Specifies which MIDI channel is used to transmit MIDI messages. When this is set to "Global", MIDI messages are transmitted on the global MIDI channel that's set in the global parameters.

**PITCH Slider Octave Range [1...4]**

Sets the octave range for the pitch slider.

**MOD Slider CC Number [0...127]**

Specifies the value of the control change message that is transmitted.

**MOD Slider Left Value [0...127]**

Specifies the value of the control change message that is transmitted when you touch the left edge of the touch slider.

**MOD Slider Right Value [0...127]**

Specifies the value of the control change message that is transmitted when you touch the right edge of the touch slider.

### Touch CC mode

**PITCH Slider MIDI Channel [1...16, Global]**

Specifies which MIDI channel is used to transmit MIDI messages. When this is set to "Global", MIDI messages are transmitted on the global MIDI channel that's set in the global parameters.

**PITCH Slider CC Number [0...127]**

Specifies the control change number to be transmitted when in Touch CC mode.

**PITCH Slider Left Value [0...127]**

Specifies the value of the control change message that is transmitted when you touch the left edge of the touch slider.

**PITCH Slider Right Value [0...127]**

Specifies the value of the control change message that is transmitted when you touch the right edge of the touch slider.

**MOD Slider MIDI Channel** **[1...16, Global]**

Specifies which MIDI channel is used to transmit MIDI messages. When this is set to "Global", MIDI messages are transmitted on the global MIDI channel that's set in the global parameters.

**MOD Slider CC Number** **[0...127]**

Specifies the control change number to be transmitted when in Touch CC mode.

**MOD Slider Left Value** **[0...127]**

Specifies the value of the control change message that is transmitted when you touch the left edge of the touch slider.

**MOD Slider Right Value** **[0...127]**

Specifies the value of the control change message that is transmitted when you touch the right edge of the touch slider.

## Sus Button (Sustain button)

**MIDI Channel** **[1...16, Global]**

Specifies which MIDI channel is used to transmit MIDI messages. When this is set to "Global", MIDI messages are transmitted on the global MIDI channel that's set in the global parameters.

**Assign Type** **[Control Change, No Assign]**

Specifies the MIDI message assigned to the button.

**Control Change (CC# 0–127):** Transmits a control change message. Specify the control change number to be transmitted.

**No Assign:** No MIDI message is transmitted.

**Button Behavior** **[Momentary, Toggle]**

Select the button behavior from the following two types.

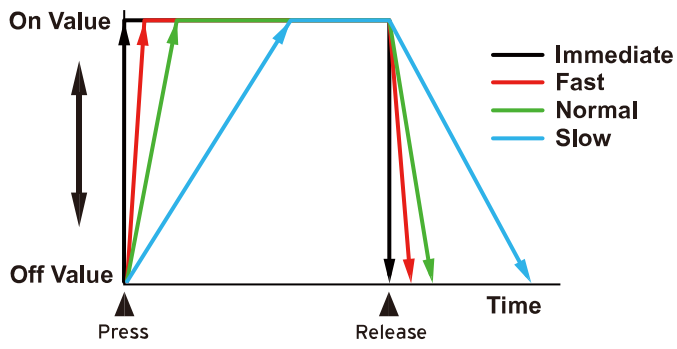
**Momentary:** When a control change message is assigned, the On value control change message is transmitted when you press the button, and the Off value control change message is transmitted when you release the button.

**Toggle:** When a control change message is assigned, each press of the button alternately transmits a control change message with the On value or Off value.

**Switch Speed** **[Fast, Normal, Slow, Immediate]**

Sets how long it takes to switch between the On value and Off value after you press the button.

"Immediate" is the fastest speed, and "Slow" is the slowest. When set to "Immediate", the value immediately changes to the On or Off value.




**CC Number** **[0...127]**

This parameter specifies the control change number that is transmitted when "Assign Type" (→ Assign Type [Control Change, No Assign]) has been set to "Control Change".

**Off Value** **[0...127]**

Specifies the value of the message that is transmitted when the button is switched off.

**On Value** **[0...127]**

Specifies the value of the message that is transmitted when the button is switched on.

### Scale

**Scale Type** **[1...15]**

Selects the scale type.

**Scale Key** **[C...B]**

Sets the scale key in semitones.

**Scale Step** **[1...7]**

This sets the number of notes that play for the scale within one octave.

The number of scale steps changes according to the scale type you select.

### Arpeggiator

**OnOff** **[Off, On]**

Switches the arpeggiator on/off.

**Latch** **[Off, On]**

Sets how the arpeggiator works when you release your finger from the keyboard buttons or touch sliders.

**Key Sync** **[Off, On]**

Sets whether the arpeggiator plays back in sync with the notes you play using the keyboard buttons or the touch sliders.

**Type** **[1...6]**

Selects the arpeggiator type.

**Oct** **[1...4]**

Here's how to specify the octave range over which the arpeggios play, within a range of 1–4 octaves.

**Pattern** **[1...15]**

Here's how to select the rhythm pattern used by the arpeggiator.

**Rate** **[1...13]**

This shows how to set the speed of the arpeggiator. This can be set within the range from a whole note (1/1) to a sixty-fourth note (1/64).

**Gate Time** **[1...11]**

Here's how to set the arpeggiator note length (gate time).

## Global parameters

### Common (General)

**Global MIDI Channel** **[1...16]**

Set this to match the MIDI channel of the application you're using.

**Split Point** **[C#1...C3]**

Sets the keyboard button position in Split mode where the left and right sides of the keyboard change.

**MIDI Clock Source** **[Auto, Internal, External-USB]**

Specify this parameter to synchronize the arpeggiator of the nanoKEY Fold with your application.

**Auto:** When a MIDI clock is input at the USB port, the arpeggiator automatically uses the "External" setting. When no MIDI clock is input, the arpeggiator uses the "Internal" setting.

**Internal:** The arpeggiator operates at the tempo set by the BPM. Select this setting when you don't need to synchronize the BPM with your application.

**External-USB:** The arpeggiator of the nanoKEY Fold synchronizes with the MIDI clock of the computer connected to the USB port.

**BPM** **[20.0...300]**

This sets the arpeggiator tempo.

## Controllers

**Velocity Const Value** **[1...127]**

Specifies the velocity value that's transmitted when you press a keyboard button.

**Touch CC Slider Mode** **[Jump, Catch]**

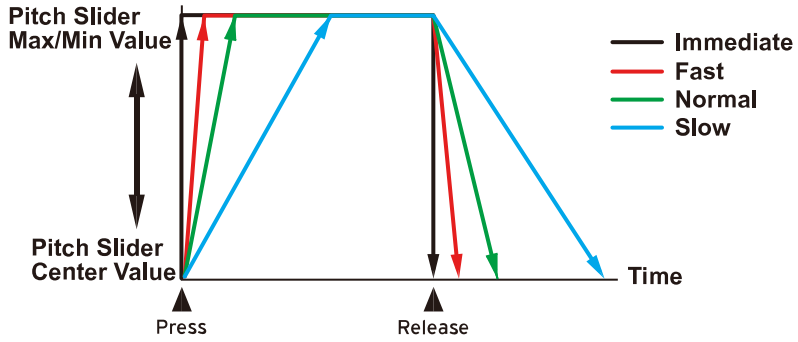
This sets what happens when the touch slider position does not match the actual parameter value. This is enabled when the touch sliders are operating in touch CC mode.

**Jump:** When you touch the touch slider, the parameter value jumps to the value corresponding to where you touched. Since this makes it easy to hear the results while editing, we recommend that you use this setting.

**Catch:** The parameter value does not change when you touch the touch slider, until it matches (or "catches up" to) the value corresponding to where you lift your finger. We recommend that you use this setting when you don't want the sound to change abruptly, such as during a live performance.

**Pitch / Mod Slider Return Speed** **[Immediate, Fast, Normal, Slow]**

Specifies how quickly the pitch bend return after you remove your finger from the touch sliders. "Immediate" is the fastest speed, and "Slow" is the slowest.




**Touch KBD Note On Velocity** **[1...127]**

Specifies the velocity of the note messages that are transmitted in Touch Keyboard mode.

**Chord Octave Offset** **[-2...+2]**

Adjusts the pitch range played by the keyboard when in Chord mode, in one-octave units.

## Power Management (Energy-saving features)

**Auto LED Off** **[Disable, Enable]**

Specifies whether the LEDs go dark when no operation is performed for a set period of time. Set this to "Disable" so that the LEDs do not go dark, or to "Enable" so that they go dark. When this is set to "Enable", the LEDs go dark when no operation is performed for a set period of time, and then turn off when no operation is performed for another set period of time. If the keyboard buttons or other controls are operated, the LEDs light up.

**LED Brightness** **[1...3]**

Specifies the maximum brightness of the LEDs. "1" is the minimum brightness, and "3" is the maximum brightness.

**LED Illumination** **[Disable, Enable]**

Specifies whether the LEDs light up after a set period of time has passed with no operation performed. Set this to "Enable" so that the LEDs light up, or to "Disable" so that they do not light up. If you operate the keyboard buttons while the LED illumination is active, the nanoKEY Fold returns to its previous condition.

**LED Eco Mode** **[Disable, Enable]**

Specifies whether to use the mode that dims the LEDs. Set this to "Enable" so that the LEDs are dimmed, or to "Disable" so that the LEDs light up as usual.

# Appendix

# Restoring the factory settings

Turn the power on while holding down the (EDIT/TAP) button, (Arpeggiator) and RATE (Arpeggiator Rate) buttons. The (Touch Keyboard)– (EDIT/TAP) LEDs begin blinking. All settings of the nanoKEY Fold are restored to the factory settings when the blinking stops.

*Note:* Restoring the factory settings takes several seconds after the nanoKEY Fold is turned on.
Never turn off the power while the (Touch Keyboard)– (EDIT/TAP) LEDs are blinking.

# Troubleshooting

Check the Korg website for the latest FAQ.

### Power does not turn on

- If the nanoKEY Fold is connected to a computer via a USB hub, it may not turn on due to insufficient power. In that case, the nanoKEY Fold should be connected directly to the USB port on the computer without using a USB hub.
- There may be a problem with the USB cable currently used. Check if the device can be turned on using the supplied USB cable.

### There is no response from the software.

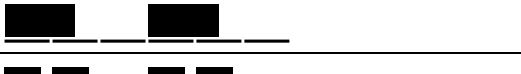
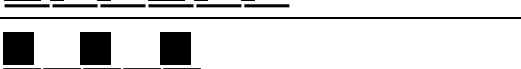
- Make sure that the nanoKEY Fold is correctly configured in the MIDI port settings of the application you're using.
- You must configure the application you're using to use the functions of the nanoKEY Fold. To do this, refer to the nanoKEY Fold parameter details (→ Customizing the controllers) and the Owner's Manual of your application.
- Your application may not support some functions. Check the Owner's Manual for your application.
- Make sure that the MIDI channel used to transmit messages from the nanoKEY Fold is set to the same MIDI channel in the application. (→ Global parameters)

# Preset lists

## Scale list

| | Scale Name | Scale [Key C] |
|---|---|---|
| 01 | Major 1 (Ionian) | C, D, E, F, G, A, B |
| 02 | Major 2 (Lydian) | C, D, E, F♯, G, A, B |
| 03 | minor 1 (Aeolian) | C, D, E♭, F, G, A♭, B♭ |
| 04 | minor 2 (Dorian) | C, D, E♭, F, G, A, B♭ |
| 05 | minor 3 (Phrygian) | C, D♭, E♭, F, G, A♭, B♭ |
| 06 | Major Blues | C, D, E♭, E, G, A |
| 07 | minor Blues | C, E♭, F, G♭, G, B♭ |
| 08 | Major Penta (Major Pentatonic) | C, D, E, G, A |
| 09 | minor Penta (minor Pentatonic) | C, E♭, F, G, B♭ |
| 10 | Raga (Raga Bhairav) | C, D♭, E, F, G, A♭, B |
| 11 | Ryukyu | C, E, F, G, B |
| 12 | Chinese | C, E, F♯, G, B |
| 13 | Bass Line | C, G, B♭ |
| 14 | Wholetone | C, D, E, G♭, A♭, B♭ |
| 15 | 5th Interval | C, G |

## Arpeggiator rhythm pattern list

| | |
|---|---|
| 01 |  |
| 02 |  |
| 03 |  |
| 04 |  |
| 05 |  |
| 06 |  |
| 07 |  |
| 08 |  |
| 09 |  |
| 10 |  |
| 11 |  |
| 12 |  |
| 13 |  |
| 14 |  |
| 15 |  |

# Specifications

**Keyboard**

No. of keys: 25

Velocity: 1–127

Octave shift: -4–0–+4

**Scenes**

No. of scenes: 15

**Arpeggiator**

Arpeggiator rhythm patterns: 15

**Chord Mode**

Scale types: 15

**Jacks**

USB port (Type-C), MIDI OUT connector (3.5 mm TRS mini phone jack)

**Power supply**

USB bus power supply

**Current consumption**

500 mA or less

**Dimensions (W x D x H)**

When folded up: 147 x 73 x 17 mm / 5.79" x 2.87" x 0.67"
While in use: 282 x 73 x 14 mm / 11.10" x 2.87" x 0.55"

**Weight**

126 g / 4.44 oz

**Included items**

USB cable, MIDI TRS-DIN adapter cable, Quick Start Guide

* Specifications and appearance are subject to change without notice for improvement.

# Operating requirements

See the Korg website: "OS Compatibility Charts" for details on compatibility with the latest operating systems.

https://www.korg.com/support/os/

⚠ Not all devices that meet these operating requirements are guaranteed to work.

[FOLDABLE MIDI KEYBOARD]
Model: nanoKEY Fold

# MIDI Implementation Chart

Date: 2023.12.06
Ver.: 1.00

| Function... | | Transmitted | Recognized | Remarks |
|---|---|---|---|---|
| Basic Channel | Default | 1–16 | 1–16 | |
| | Changed | 1–16 | 1–16 | Memorized |
| Mode | Default | X | X | |
| | Messages | O | X | Keyboard buttons, touch sliders *1 |
| | Altered | ********** | | |
| Note Number | | 0–127 | X | |
| | True voice | ********** | X | |
| Velocity | Note On | × 9n, V=1−127 | X | *2 |
| | Note Off | × 8n, V=64 | X | |
| After Touch | Key's | X | X | |
| | Channel | X | X | |
| Pitch Bend | | O | X | Touch sliders *1 |
| Control Change | 0−127 | O | X | Keyboard buttons, touch sliders *1 |
| Program Change | | O 0–127 | X | Keyboard buttons *1 |
| | True Number | ********** | ********** | |
| System Exclusive | | O | O | *3 |
| System Common | Song Position | X | X | |
| | Song Select | X | X | |
| | Tune Request | X | X | |
| System Real Time | Clock | O | O | |
| | Commands | X | O | |
| Aux Messages | Local On/Off | O | X | Keyboard buttons, touch sliders *1 |
| | All Notes Off | O | X | Keyboard buttons, touch sliders *1 |
| | Active Sensing | O | X | *4 |
| | System Reset | X | X | |

Notes

*1: Can be transmitted depending on the control mode and parameter settings.
*2: Can be transmitted at a fixed velocity.
*3: This is only transmitted via the MIDI OUT connector (USB-MIDI not supported).
*4: Only for the MIDI OUT jack.

Mode 1: Omni On, Poly
Mode 2: Omni On, Mono
Mode 3: Omni Off, Poly
Mode 4: Omni Off, Mono

O: Yes
X: No

Consult your local Korg distributor for more information on MIDI implementation.

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www.korg.com
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