KFX MINI 25 MIDI Controller
# User's Manual

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●Introduction

Thank you for purchasing the KFX MINI 25 USB controller. To help you get the most out of your new instrument, please read this manual carefully.

In order to use the functions of this product, you'll need to make settings in the application you're using. Make settings as described in the owner's manual for your application.

●Features

- 8 high quality velocity & pressure sensitive performance pads with RGB backlit , can be assigned easily as pads, MIDI CC buttons or Program change switches.

- 25 keys with velocity assignable to controllers, with 3 velocity curve and one constant velocity

- 4 assignable control knobs

- 4 assignable control sliders

- 4 banks for different settings

- USB interface, adaptable to USB 2.0(FULL SPEED). Power supplied by USB.

- Compatible with Win10/8/7/XP/Vista and Mac OSX. Drive free and hot-plug supported.

- Edited by the Panda MINI Editor, the picture below is the main screen.
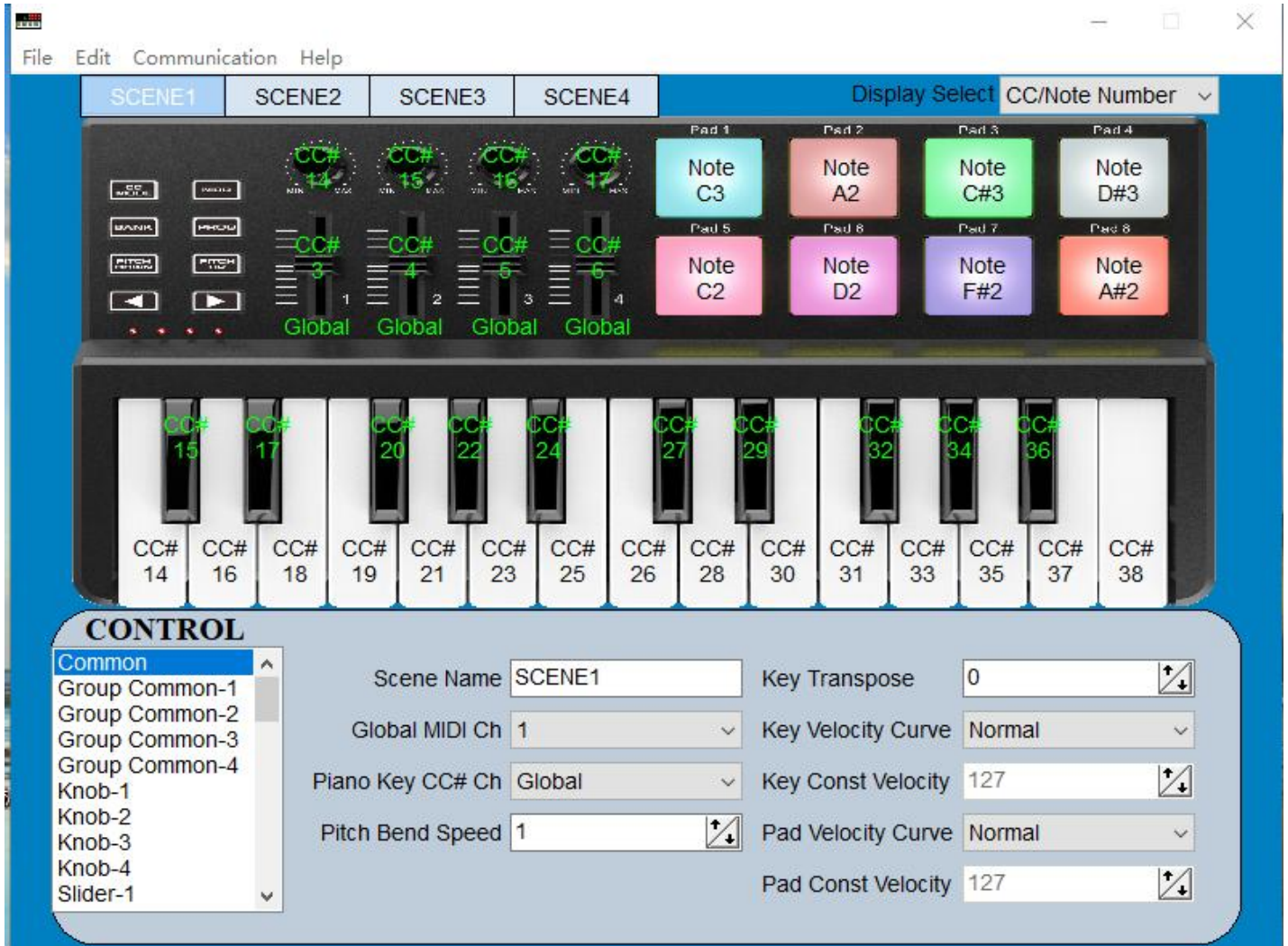
●Parts and their functions
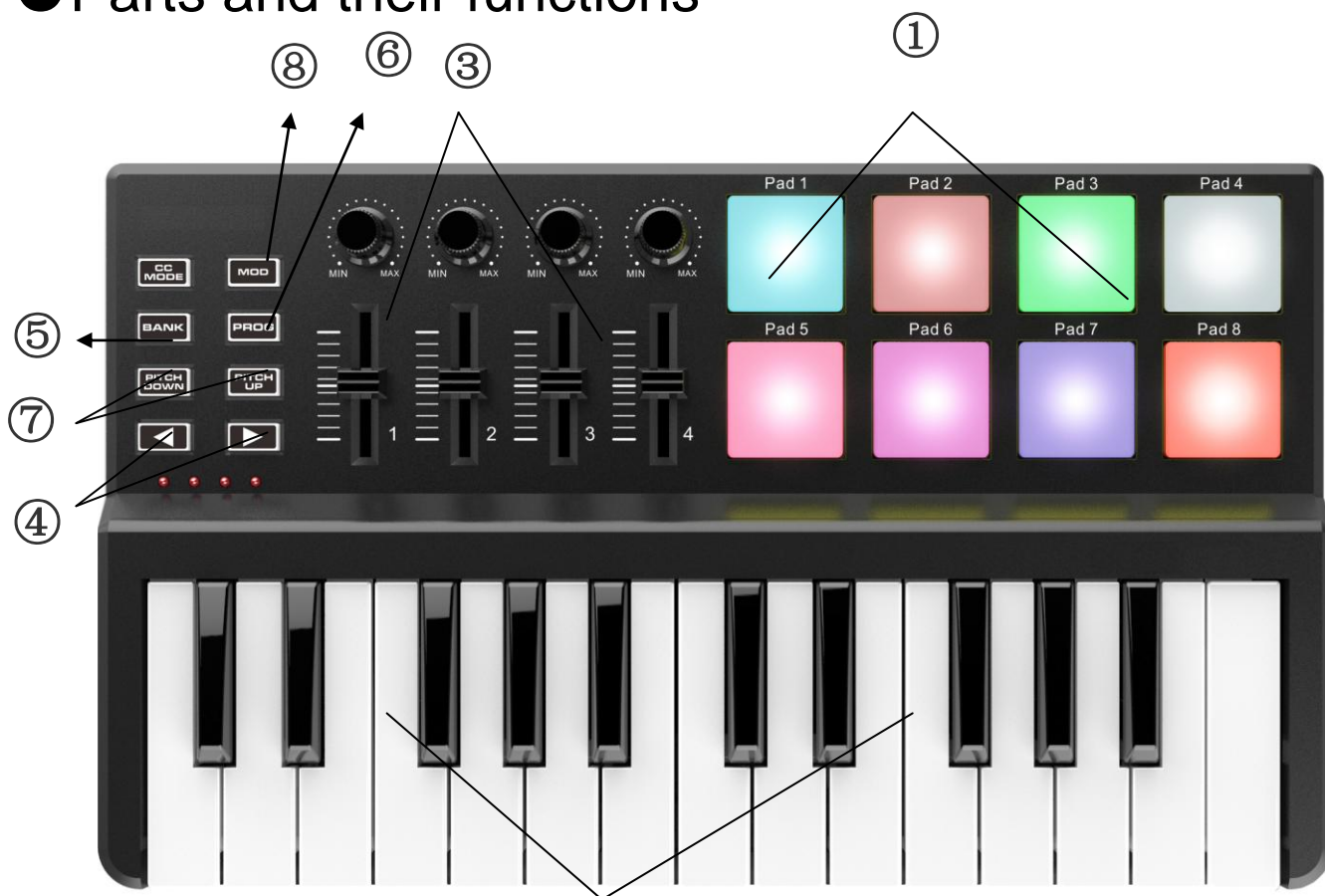
1. Trigger pads

These pads can transmit note messages or control change messages.
These pads are with RGB backlit, use the software editor to select the backlit RGB color of 8 pads.

2. Keyboard

There are twenty-five velocity-sensitive keys that can transmit note messages. When CC mode is on, they transmit control change messages.

3. MIDI control group

A knob, slider, are collectively called a MIDI control group. The Panda MINI has 4 MIDI control groups.

a. Knob

This knob transmits control change messages.

b. Slider

This slider transmits control change messages.

4. [OCTAVE DOWN] / [OCTAVE UP]

The [◄] button and the [►] button can be used to adjust the octave acquiescently. The pitch will shift downward by one octave each time you press the [◄] button. The pitch will shift upward by one octave each time you press the [►] button.

5. Bank button

The MINI 25 has four banks. When bank button is on, you can use the [◄] button and the [►] button to switch the four banks. A "bank" is a set of parameter assignments for the controllers (pads and knobs, etc.). You can use KFX Panda MINI Editor to change the assignment of each controller.   (→ "Making detailed settings")

6. Program button

When program button is on, you can use the [◄] button and the [►] button to change the program.

7. [PITCH DOWN] / [PITCH UP]

The **[PITCH DOWN]** button and the **[PITCH UP]** button can be used to send a note's pitch up or down in cents.

8. Modulation button

The MOD button is used to introduce some sort of vibrato effect.

9.USB connector

Connect the MINI 25 to your computer with a USB cable via this port.

●Setup

Minimum System Requirements

Windows	Mac OS
Pentium 3 800 MHz or higher	Macintosh G3*800/G4*733 MHz or higher
(CPU requirement may be higher for laptops)	(CPU requirement may be higher for laptops)
256MB RAM	OS X 10.3.9 with 256 MB RAM,
Direct X 9.0b or higher	OS X 10.4.2 or greater with 512 MB RAM
Windows XP(SP2)or higher	*G3/G4 accelerator cards are not supported
(Windows 98,Me,NT or 2000 not supported)	

●**Making detailed settings**

The following settings cannot be edited on the MINI 25 instrument, so you need to use the KFX MINI 25 control Editor. You can download the KFX MINI 25 control Editor from KFX website www.KFX.com.cn.
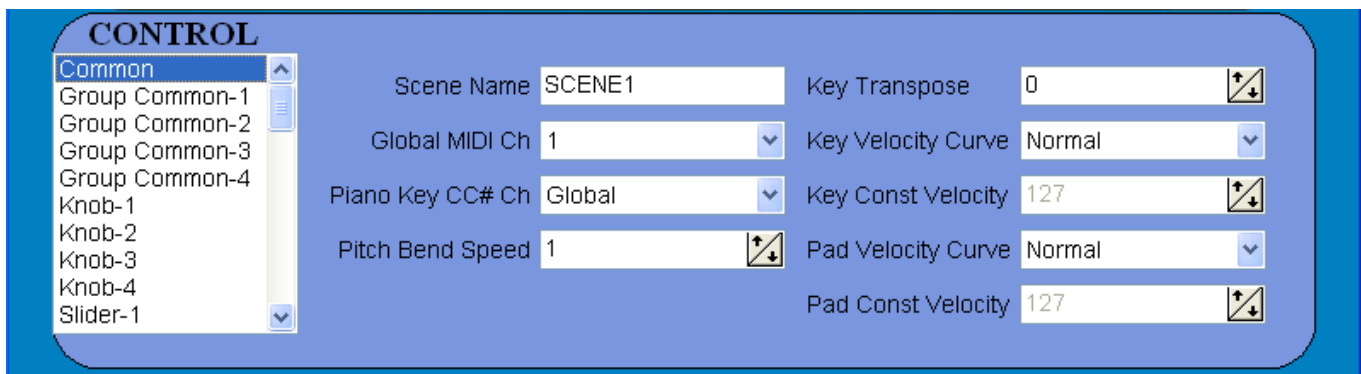
Global MIDI channel

Global MIDI channel [1...16] This specifies the MIDI channel which MINI 25 will use to transmit note messages. This should be set to match the MIDI channel of the MIDI application that you're controlling.

Keyboard CC mode channel

Piano keyboard CC mode channel is to specify which MIDI channel the keyboard will use to

transmit control messages.

Transpose

It is to adjust the pitch by semi-tone, adjusting scale of the value is -12~12.

Pitch bend speed

It is to adjust the speed of the pitch up or down, adjusting scale of the value is 1~4.
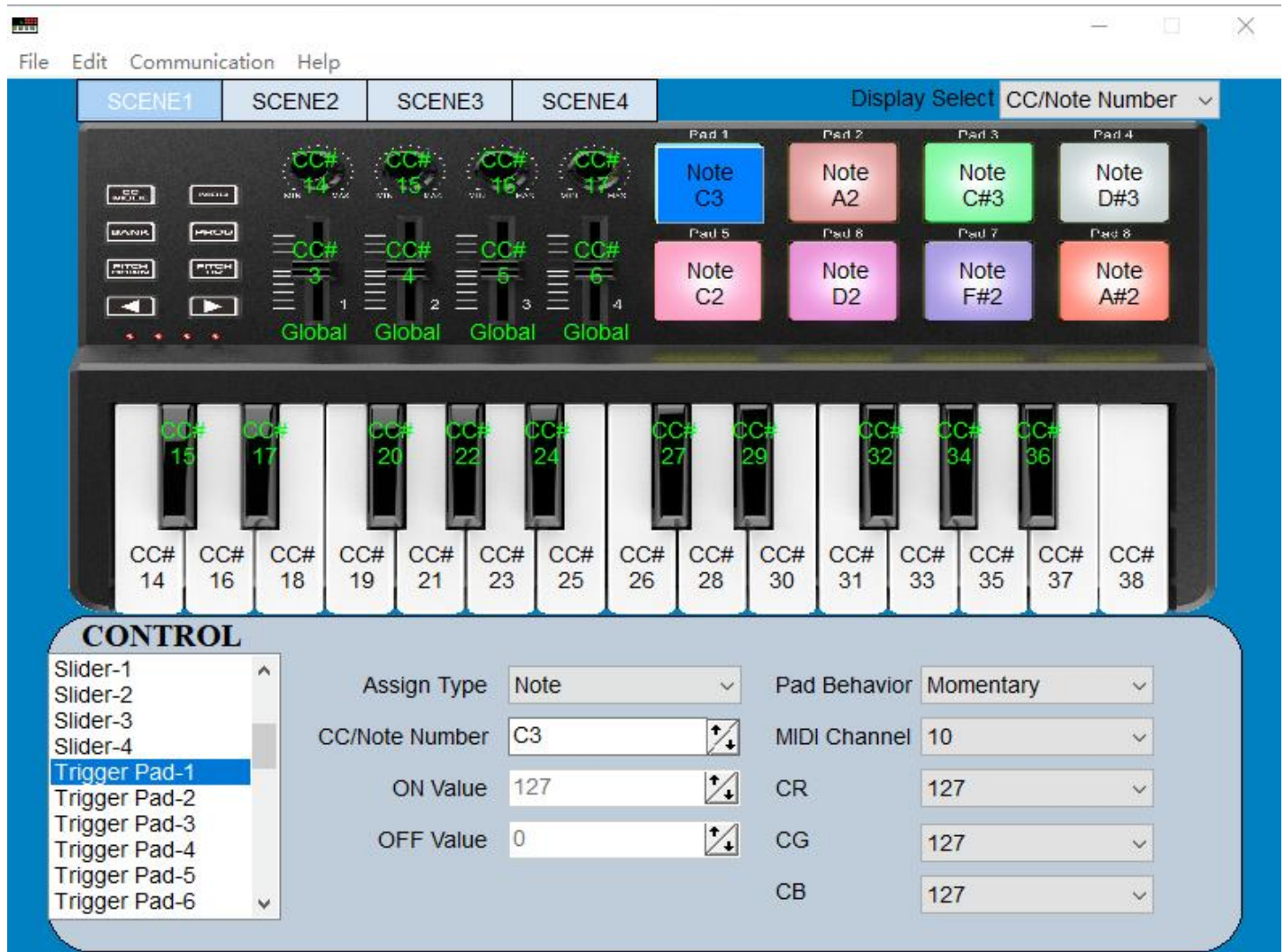
Key velocity curve

It has 3 velocity curves, the light, the normal and the heavy, if choose the CONST, the velocity value is const to 127.

Pad velocity curve

It has 3 velocity curves, the light, the normal and the heavy, if choose the CONST, the velocity value is const to 127.

Trigger pads

Depending on the assign type, the trigger pads can transmit note messages or control change messages. For each trigger pad, you can individually specify the assigned message, the MIDI transmit channel, the behavior of the trigger pad, the note number, the control change number, the values transmitted when the pad turns on or off.

Depending on its assign type, note number or control change number can be assigned to a single trigger pad and transmitted. If you transmit note messages or control change message from a trigger pad, all of the messages will be transmitted at the velocity or On Value/Off Value.

MIDI Channel [1...16/Global MIDI Channel] This specifies the MIDI channel of the MIDI messages that are transmitted when you strike the trigger pad. If you set this to "Global MIDI Channel," the messages will be transmitted on the global MIDI channel.

Assign Type [No Assign/Note/Control Change]
This specifies the type of message that will be assigned to the trigger pad. You can disable the pad (no assignment), or assign a note message or a control change.

Pad Behavior [Momentary/Toggle]
You can choose one of the following two types of behavior for the trigger pad.
Momentary The Note On or On Value will be transmitted when you press the trigger pad, and the Note Off or Off Value will be transmitted when you release it.
Toggle The Note On or On Value will be transmitted alternately with the Note Off or Off Value each time you press the trigger pad.

Note Number [C-1...G9/No Assign]
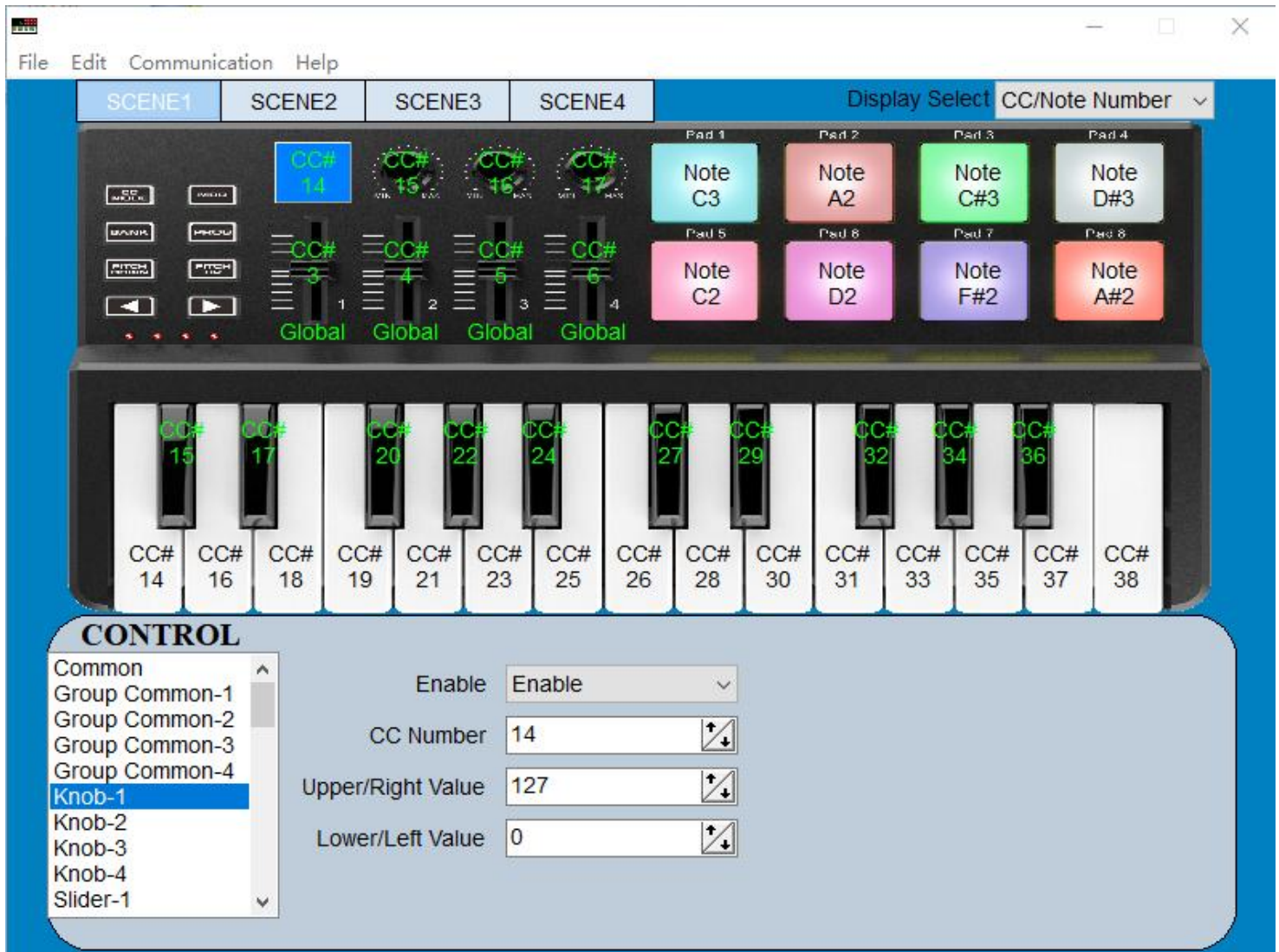This specifies the note number of the note message that is transmitted.
Control Change Number [0...127/No Assign] [0...127] This specifies the control change number of the control change message that is transmitted.
On Value [0...127] This specifies the value of the message that is transmitted when the trigger pad turns on.
Off Value [0...127] This specifies the value of the message that is transmitted when the trigger pad turns off.
You can set this only if the assign type is "Control Change."

Knobs

Operating a knob will transmit a control change message. You can enable/disable each knob, specify its control change number, and specify the values transmitted when the knob is turned fully left or fully right..

Knob Enable [Disable/Enable]
Enables or disables the knob. If you've disabled a knob, turning it will not transmit a MIDI message.
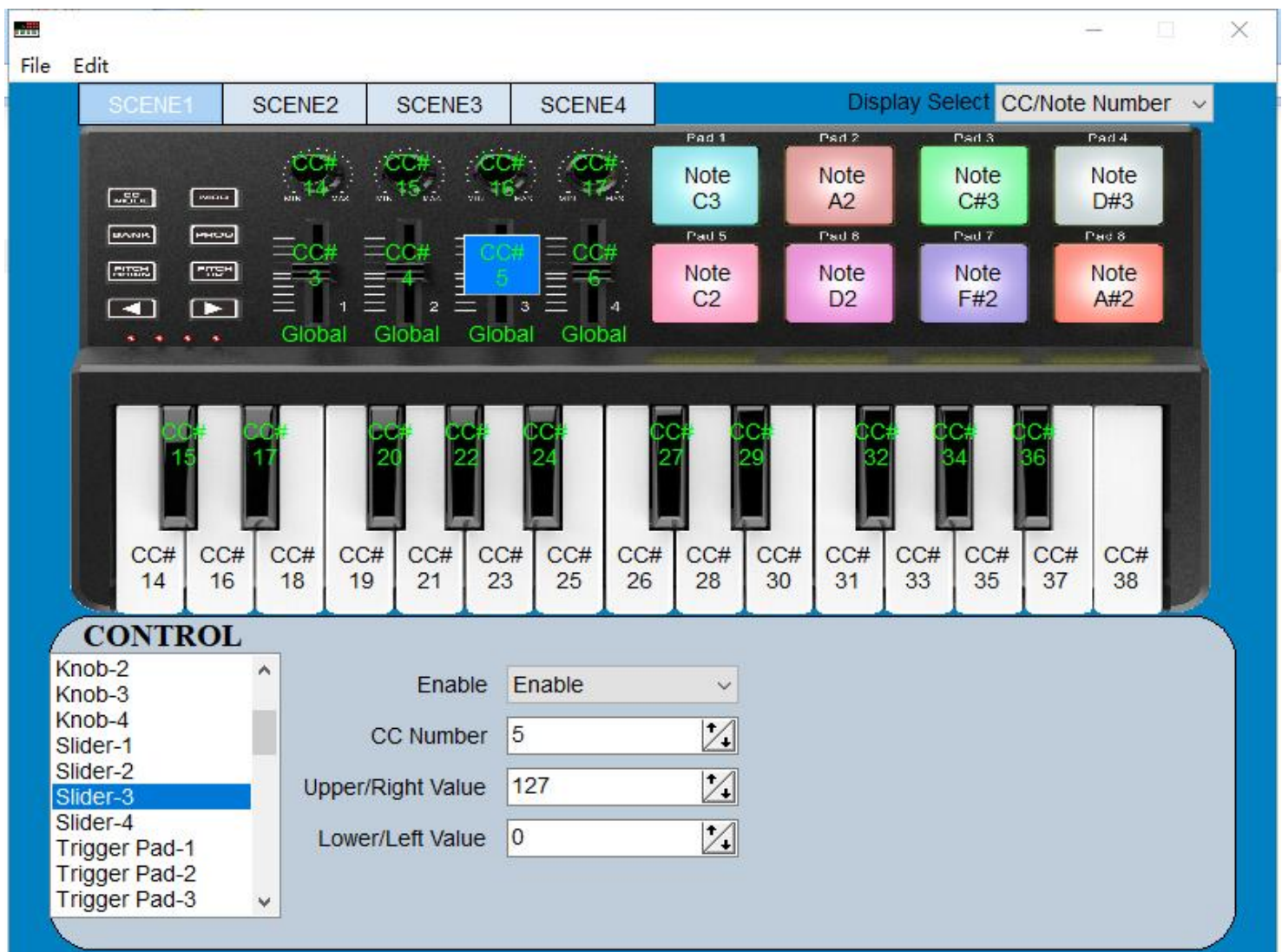**Control Change Number [0...127]**
Specifies the control change number of the control change message that is transmitted.

Left Value [0...127]   Specifies the value of the control change message transmitted when you turn the knob all the way to the left.

Right Value [0...127]   Specifies the value of the control change message transmitted when you turn the knob all the way to the right.

Sliders

Operating a slider will transmit a control change message. You can enable/disable each slider, specify its control change number, and specify the values transmitted when the slider is moved fully upward or fully downward.

Slider Enable [Disable/Enable]

Enables or disables the slider. If you've disabled a slider, moving it will not transmit a MIDI message.

Control Change Number [0...127]

Specifies the control change number of the control change message that is transmitted.
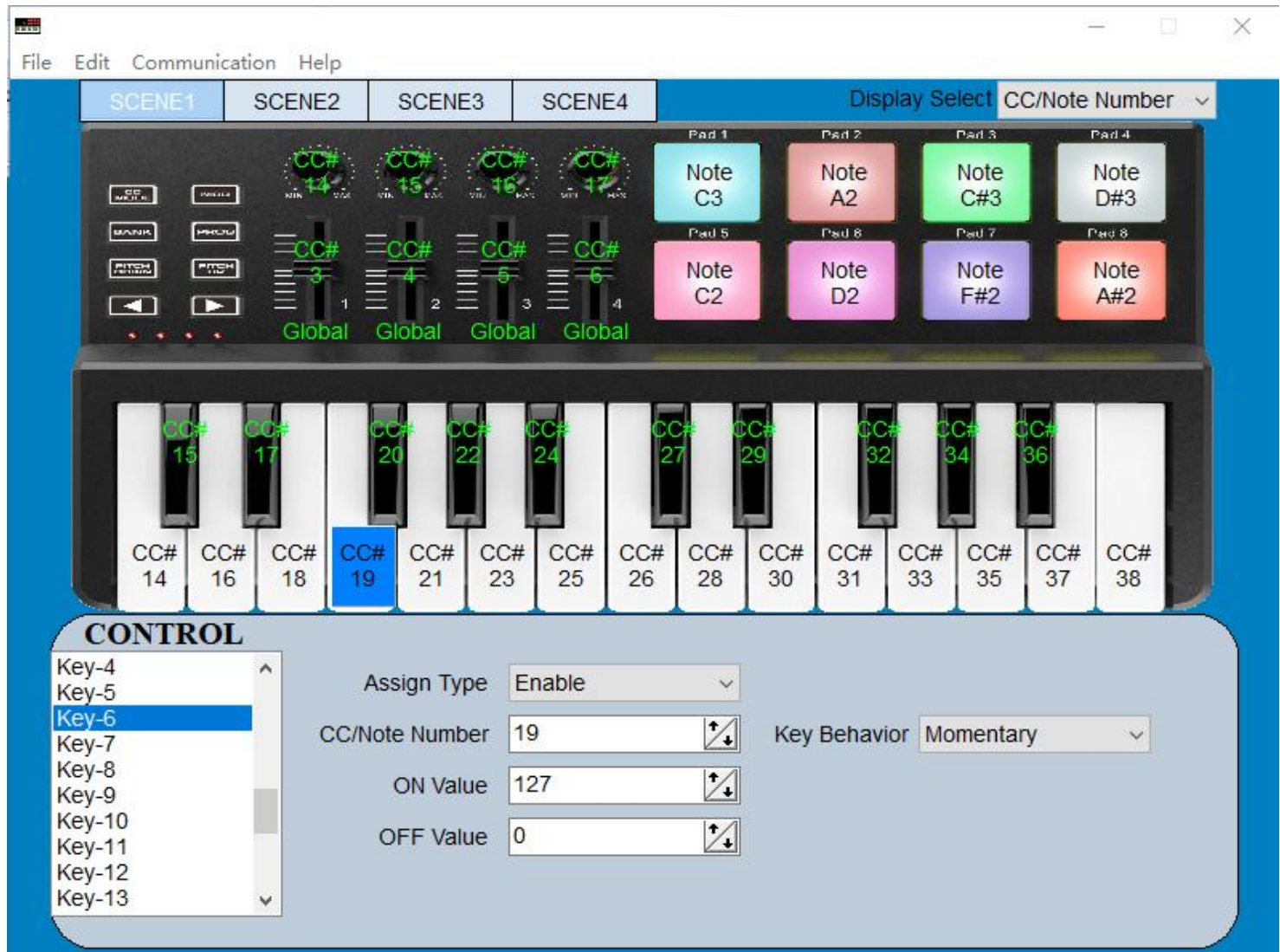
Upper Value [0...127]

Specifies the value of the control change message transmitted when you move the slider all the way upward.

Lower Value [0...127]

Specifies the value of the control change message transmitted when you move the slider all the way downward.

Keyboard operation in Edit mode

The twenty-five keys of the keyboard will function as independent buttons to transmit control change messages. You can specify which MIDI channel the control change message is transmitted on, whether or not each key is enabled, the key type, the control change number, as well as the On and Off value.

CC MIDI Channel [1...16]

This specifies the MIDI channel that control change messages will be transmitted on. Set this to match the MIDI channel of the application you're controlling.

Key Enable [Disable/Enable]

Enables or disables the key. If a key is disabled, operating that key will not transmit a MIDI message.

Key Behavior [Momentary/Toggle]

Selects one of the following two modes:

Momentary Pressing the key will send a control change message with the On value, releasing the key will send a control change message with the Off value.

Toggle Each time you press the key the control change message will alternate between the On value and the Off value.

Control Change Number [0...127]

Specifies the CC number of the control change message that will be transmitted.

On Value   [0...127]

Specifies the On value of the control change message.

Off Value [0...127]

Specifies the Off value of the control change message.

●Specifications

Connectors: USB connector (mini B type)

Power supply: USB bus power mode

Current consumption: 100 mA or less

Dimensions (W x D x H): 12.6 x 7.5 x 1.6 inches / 320 x 190 x 40 mm

Weight: 28 oz / 800 g

Included items: USB cable, Owner's manual

*Specifications and appearance are subject to change without notice.