

# CME UxMIDI Tools Software User Manual

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## CME UxMIDI Tools Software



Please read this manual completely before using this product.  
The software and firmware will be updated continuously. All the illustrations and texts in this manual may be different from the actual situation and are for reference only.

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## Install UxMIDI Tools software

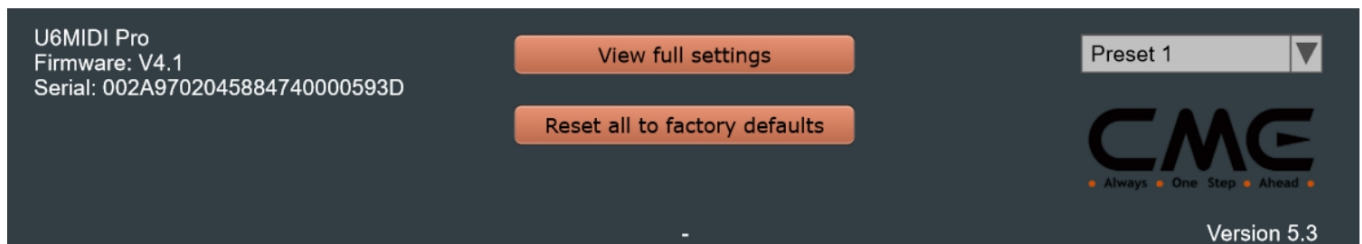
Please visit <https://www.cme-pro.com/support/> and download the free UxMIDI Tools computer software. It includes MacOS and Windows 10/11 versions, and is the software tool for all CME USB MIDI devices (such as U2MIDI Pro, C2MIDI Pro, U6MIDI Pro, U4MIDI WC etc.), through which you can get the following value-added services

- Upgrade the CME USB MIDI device's firmware at any time to get the latest features.
- Perform routing, filtering, mapping and other operations for CME USB MIDI devices.

**Note:** UxMIDI Tools Pro does not support 32-bit Windows systems.

## Connect

Please connect a certain model of CME USB MIDI device to your computer via USB. Open the software and wait for the software to automatically recognize the device before you can start setting up the device. At the bottom of the software screen, the model's name, firmware version, product serial number, and software version of the product will be displayed. Currently, the products supported by UxMIDI Tools software include U2MIDI Pro, C2MIDI Pro, U6MIDI Pro and U4MIDI WC.



- **[Preset]:** Custom settings for filters, mappers, routers, etc. can be stored as [Preset] in the CME USB MIDI device for standalone use (even after the power is turned off). When a CME device with a custom preset is connected to the USB port of a computer and selected in UxMIDI Tools, the software automatically reads all settings and status in the device and displays them in the software interface.
- Before setting, please select the preset number in the lower right corner of the software interface and then set the parameters. All setting changes will be automatically saved to this preset. Presets can be switched via the multi-function button or assignable MIDI information (see [Preset settings] for details). When switching presets, the LED on the interface will flash accordingly (1 flash for preset 1, 2 flashes for preset 2, and so on).

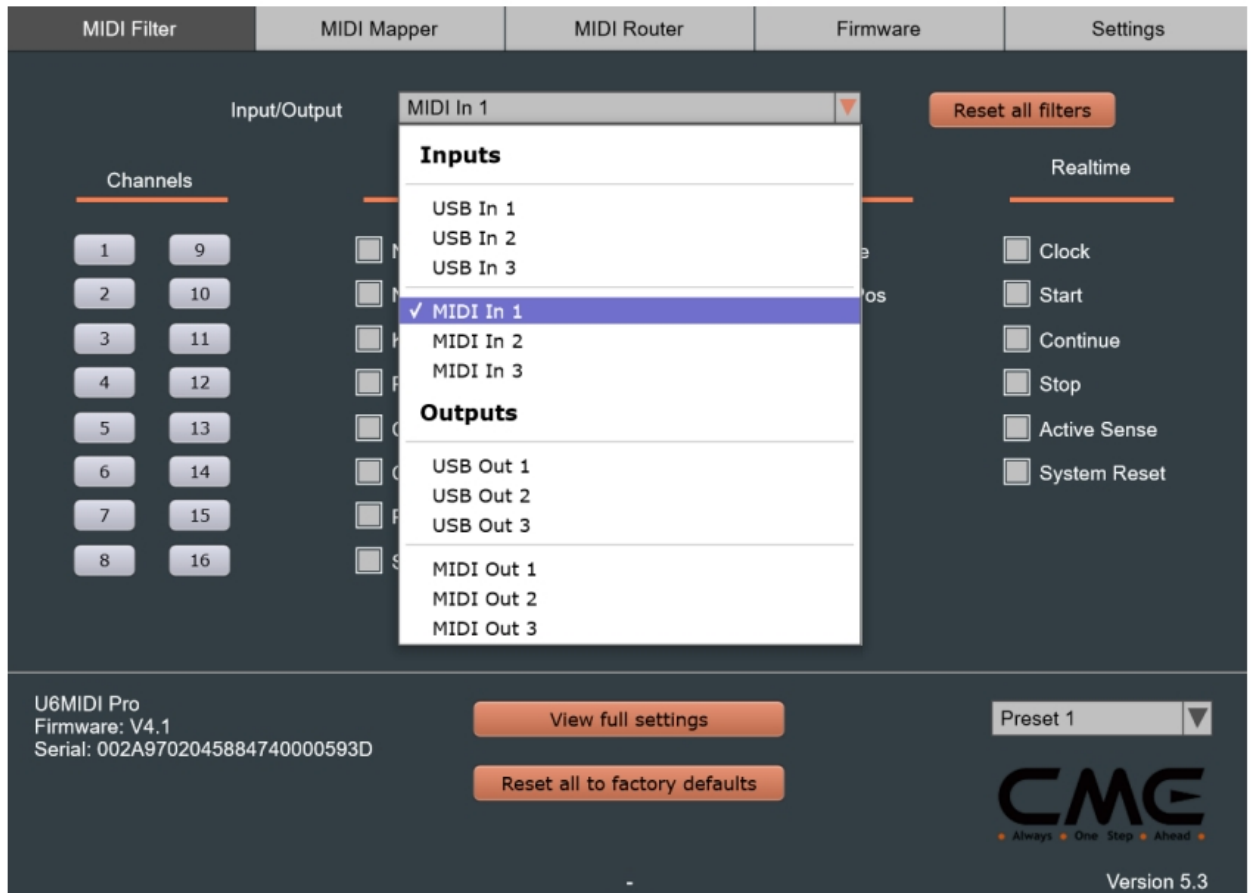
**Note:** The U2MIDI Pro (no button) and C2MIDI Pro have 2 presets, the U6MIDI Pro and U4MIDI WC have 4 presets.

## MIDI Filter

MIDI Filter is used to block certain types of MIDI message in a selected input or output port it no longer is passed through.

- Use filters:
  - First, select the input or output port that needs to be set in the [Input/Output] drop-down box at the top of the screen.

The input and output ports are shown in the figure below.



- Click the button or checkbox below to select the MIDI channel or message type that needs to be blocked. When a MIDI channel is selected, all messages of this MIDI channel will be filtered out. When certain message types are selected, those messages type will be filtered out in all MIDI channels.



- [Reset all filters]: This button resets the filter settings for all ports to the initial state, in which no filter is active on any channel.

## MIDI Mapper

A new MIDI Mapper function has been added in UxMIDI Tools software version 5.1 (or higher).

Note: Before you can use the MIDI Mapper function, the CME USB MIDI device's firmware must be updated to version 4.1 (or higher).

On the MIDI Mapper page, you can remap the input data of the connected and selected device so that it can be output according to custom rules that are defined by you. For example, you can remap a played note to a controller message or another MIDI message. Besides this, you can set the data range and MIDI channel, or even output the data in reverse.

MIDI Filter MIDI Mapper MIDI Router Firmware Settings

Reset all mappers

Mappers

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Inputs

☐ Disable Select USB / MIDI input to map

Config

Message

Select... Select... ☐ Keep original

Channel

Min Max 1 16 1-16 ☐ Follow

Value 1

Min Max 0 127 0 127 ☐ Follow ☐ Invert ☐ Use input value 2

Value 2

Min Max 0 127 0 127 ☐ Follow ☐ Invert ☐ Use input value 1

Select an input status to map

U6MIDI Pro  
Firmware: V4.1  
Serial: 002A9702045884740000593D

View full settings

Reset all to factory defaults

Preset 1

CME  
Always One Step Ahead

Version 5.3

- [Reset all mappers]: This button clears all setting parameters from the MIDI Mapper page and from the connected and selected CME USB MIDI device, allowing you to start a new configuration of your MIDI Mapper settings.

MIDI Filter MIDI Mapper MIDI Router Firmware Settings

Reset all mappers

Mappers

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Inputs

☐ Disable 1 selected inputs

- [Mappers]: These 16 buttons correspond to 16 independent mappings that can be set freely, allowing you to define complex mapping scenarios.
  - When the mapping is being configured, the button will be displayed in reverse color.
  - For mappings that have been configured and are in effect, a green dot will be displayed in the upper right corner of the button.
- [Inputs]: Select the input port for mapping.
  - [Disable]: Disable the current mapping.
  - [USB In 1/2/3]: Set the data input from the USB port (U2MIDI Pro and C2MIDI Pro only have [USB In 1])
  - [MIDI In 1/2/3]: Set the data input from the MIDI port (U2MIDI Pro and C2MIDI Pro only have [MIDI In 1])
- [Config]: This area is used to set the source MIDI data and the user-defined output data (after mapping). The top row sets the source data for input and the bottom row sets the new data for output after mapping.

The screenshot shows a 'Config' window with four main sections: Message, Channel, Value 1, and Value 2. Each section contains a 'Min' and 'Max' dropdown menu. Below these are checkboxes for 'Follow', 'Invert', and 'Use input value 1' (for Value 1) or 'Use input value 2' (for Value 2). The 'Message' section also includes a 'Keep original' checkbox. A yellow double arrow icon is positioned between the Message and Channel sections, and between the Value 1 and Value 2 sections.

- Move the mouse cursor to each key area to display function explanations.
- If the set parameters are incorrect, text appears below the function area to indicate the cause of the error.
- When selecting different types of messages in the left [message] area, the titles of the other data areas on the right will also change accordingly. The data types that the current version can map are as follows:

**Table 1**

Message	Channel	Value 1	Value 2
Note On	Channel	Note #	Velocity
Note Off	Channel	Note #	Velocity
Ctrl Change	Channel	Control #	Amount
Prog Change	Channel	Patch #	Not used
Pitch bend	Channel	Bend LSB	Bend MSB
Chann Aftertouch	Channel	Pressure	Not used
Key Aftertouch	Channel	Note #	Pressure
Notes Transpose	Channel	Note->Transpose	Velocity

- **[Message]:** Select the source MIDI message type to reassign at the top, and select the target MIDI message type to output after mapping at the bottom:
  - **[Keep original]:** If this option is selected, the original MIDI message will be sent at the same time as the mapped MIDI message.

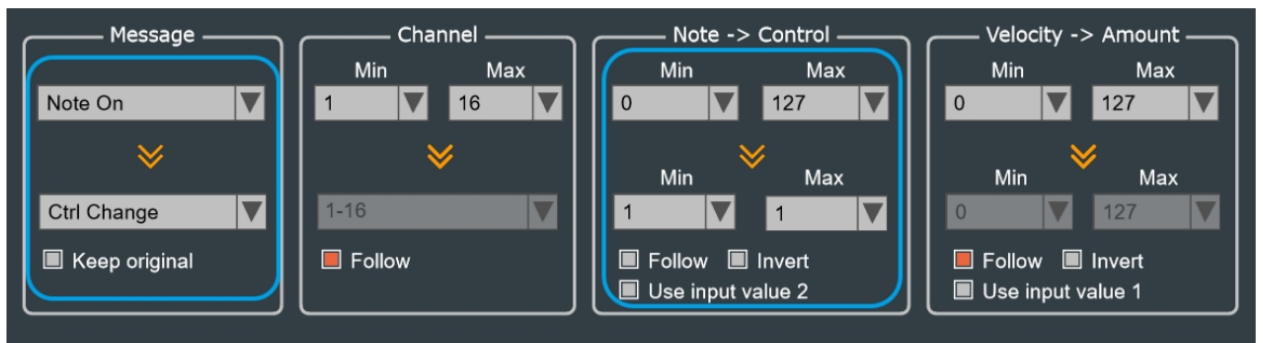
**Table 2**

Note On	Notes open message
Note Off	Note off message
Ctrl Change	Control change message
Prog Change	Timbre change message
Pitch bend	Pitch bending wheel message
Chann Aftertouch	Channel after-touch message
Key Aftertouch	After-touch keyboard message
Notes Transpose	Notes transpose message

- **[Channel]:** Select the source MIDI channel and destination MIDI channel, range 1-16.
  - **[Min]/[Max]:** Set the minimum channel value / maximum channel value range, which can be set to the same value.
  - **[Follow]:** When this option is selected, the output value is exactly the same as the source value (follow) and is not remapped.
- **[Value 1]:** Based on the selected [Message] type (see table 2), this data can be Note # / Control # / Patch # / Bend LSB / Pressure / Transpose, ranging from 0-127 (see table 1).
  - **[Min]/[Max]:** Set the minimum / maximum value to create a range or set the minimum / maximum value to the same value for an exact response to specific value.
  - **[Follow]:** When this option is selected, the output value is exactly the same as the source value (follow) and is not remapped.
  - **[Invert]:** If selected, the data range is executed in reverse order.
  - **[Use input value 2]:** When selected, the output Value 1 will be taken from the input Value 2.
- **[Value 2]:** Based on the selected [Message] type (see table 2), this data can be Velocity / Amount / Not used / Bend MSB / Pressure, ranging from 0-127 (see table 1).
  - **[Min]/[Max]:** Set the minimum / maximum value to create a range or set the minimum / maximum value to the same value for an exact response to specific value.
  - **[Follow]:** When this option is selected, the output value is exactly the same as the source value (follow) and is not remapped.
  - **[Revert]:** When selected, the data will be output in reverse order.
  - **[Use input value 1]:** When selected, the output Value 2 will be taken from the input Value 1.
- Mapping examples:
  - Map all [Note On] of any channel input to output from channel 1:

- Map all [Note On] to CC#1 of [Ctrl Change]:



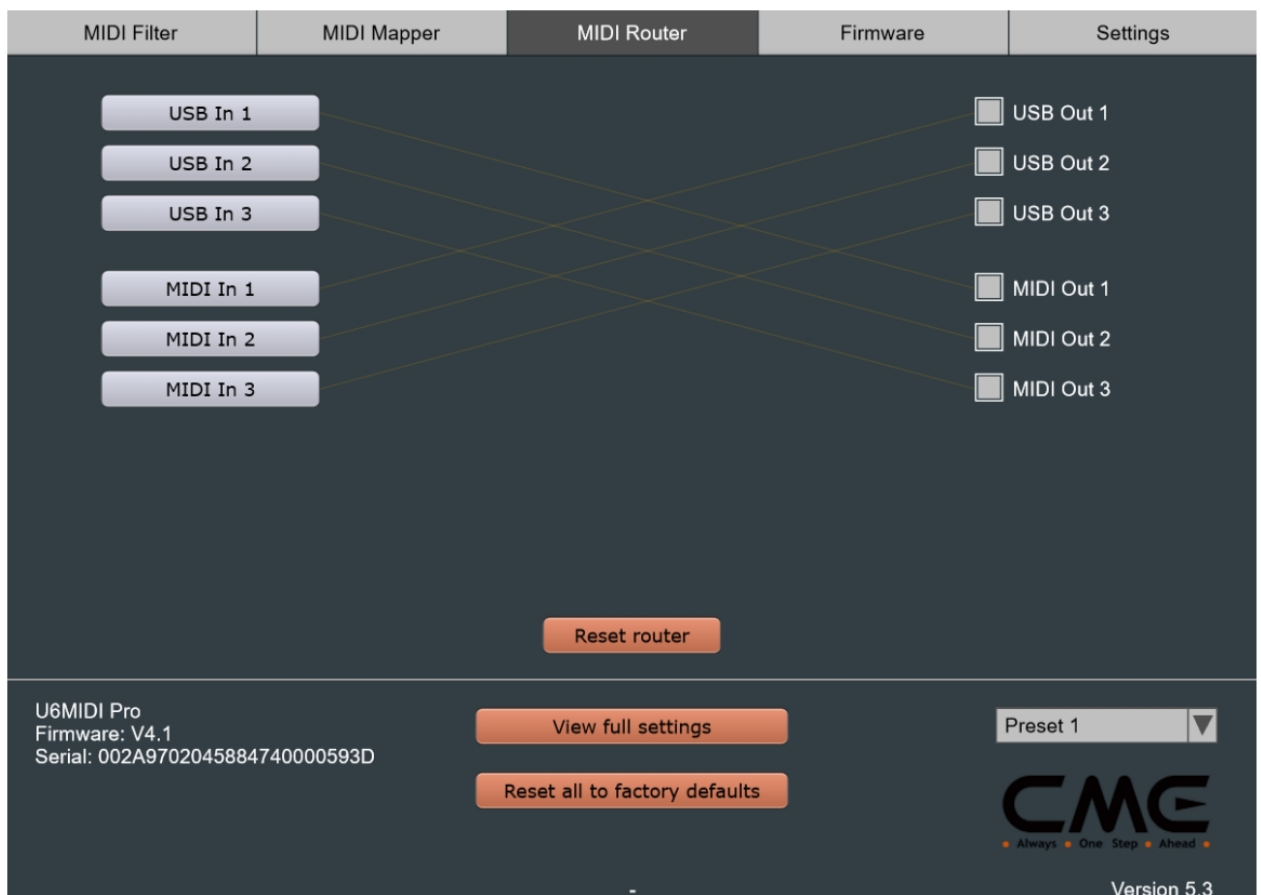


## MIDI Router

MIDI routers are used to view and configure the signal flow of MIDI messages in your CME USB MIDI device.

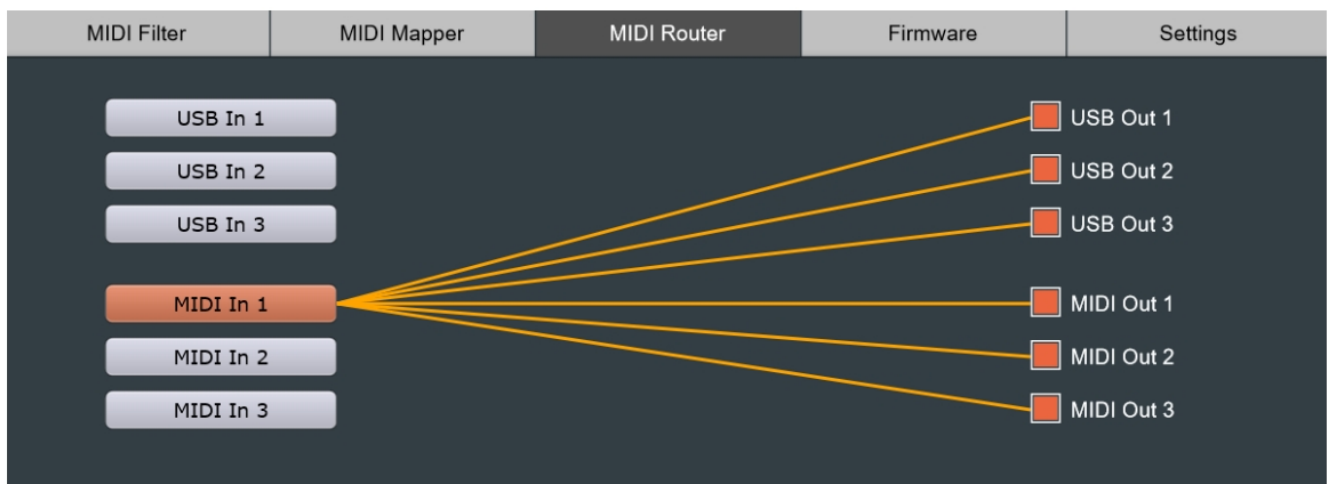
- **Change the direction of the routing:**

- First click on one of the [MIDI In] or [USB In] buttons on the left that needs to be set, and the software will display the routing direction of the port (if present) with a wire.
- According to the requirements, click a check box on the right and select or deselect one or more check boxes to change the routing direction of the port. At the same time, the software will use the line of connection to make prompts:

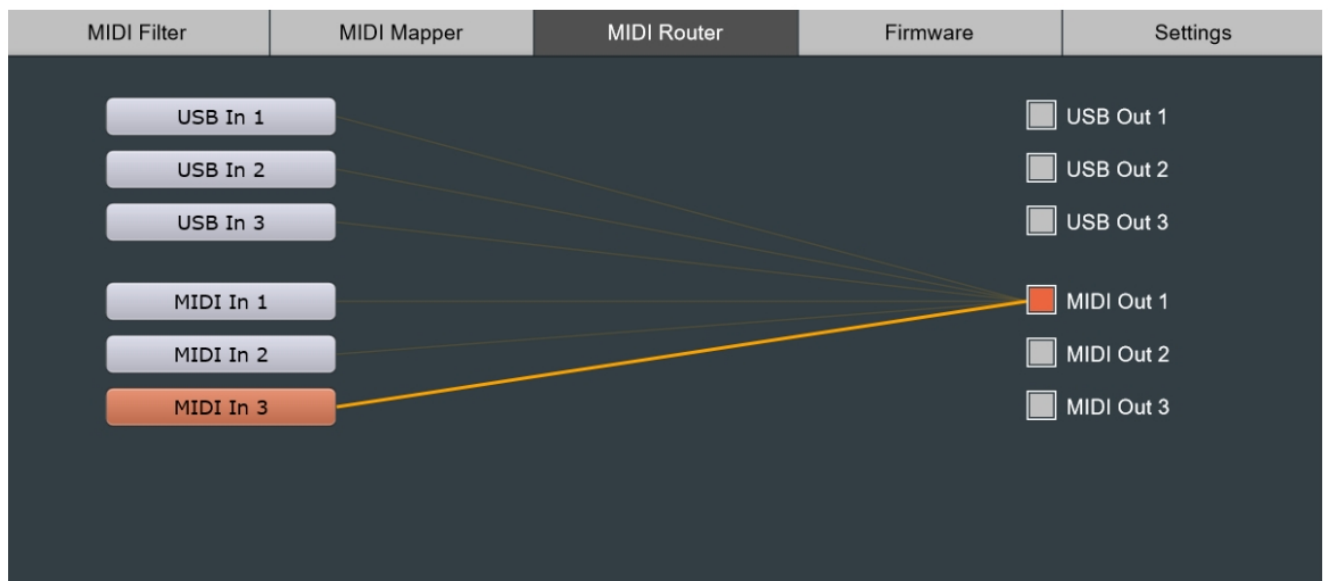


- **Examples on U6MIDI Pro:**  
**MIDI Thru**

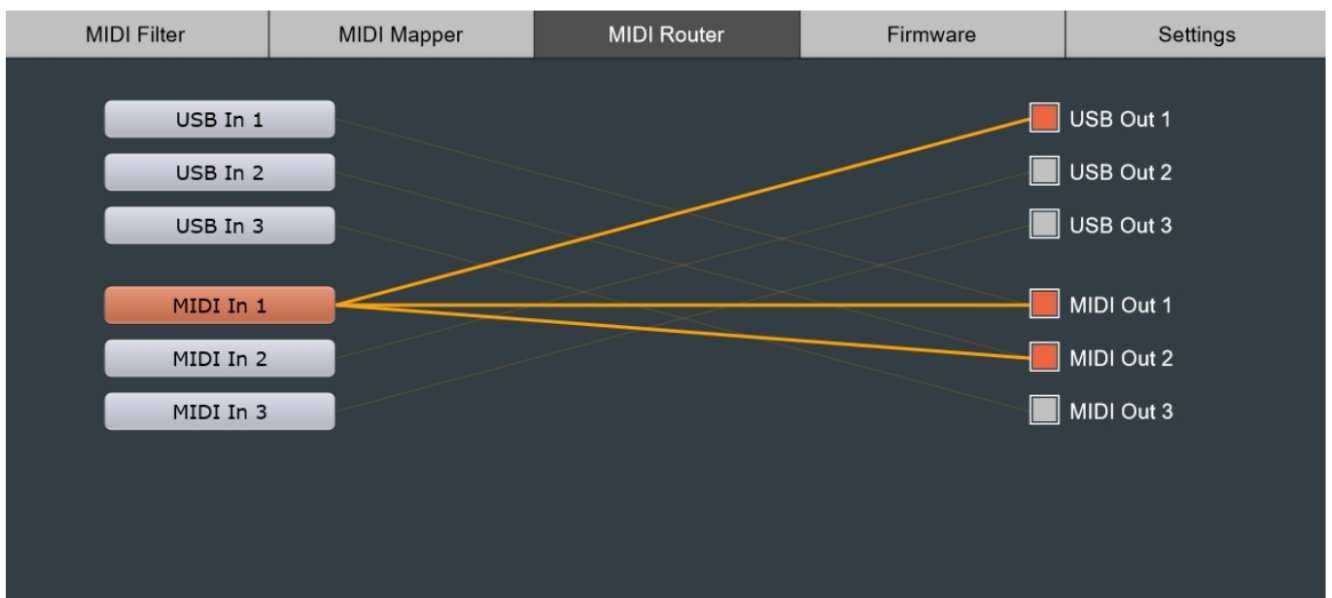




## MIDI Merge

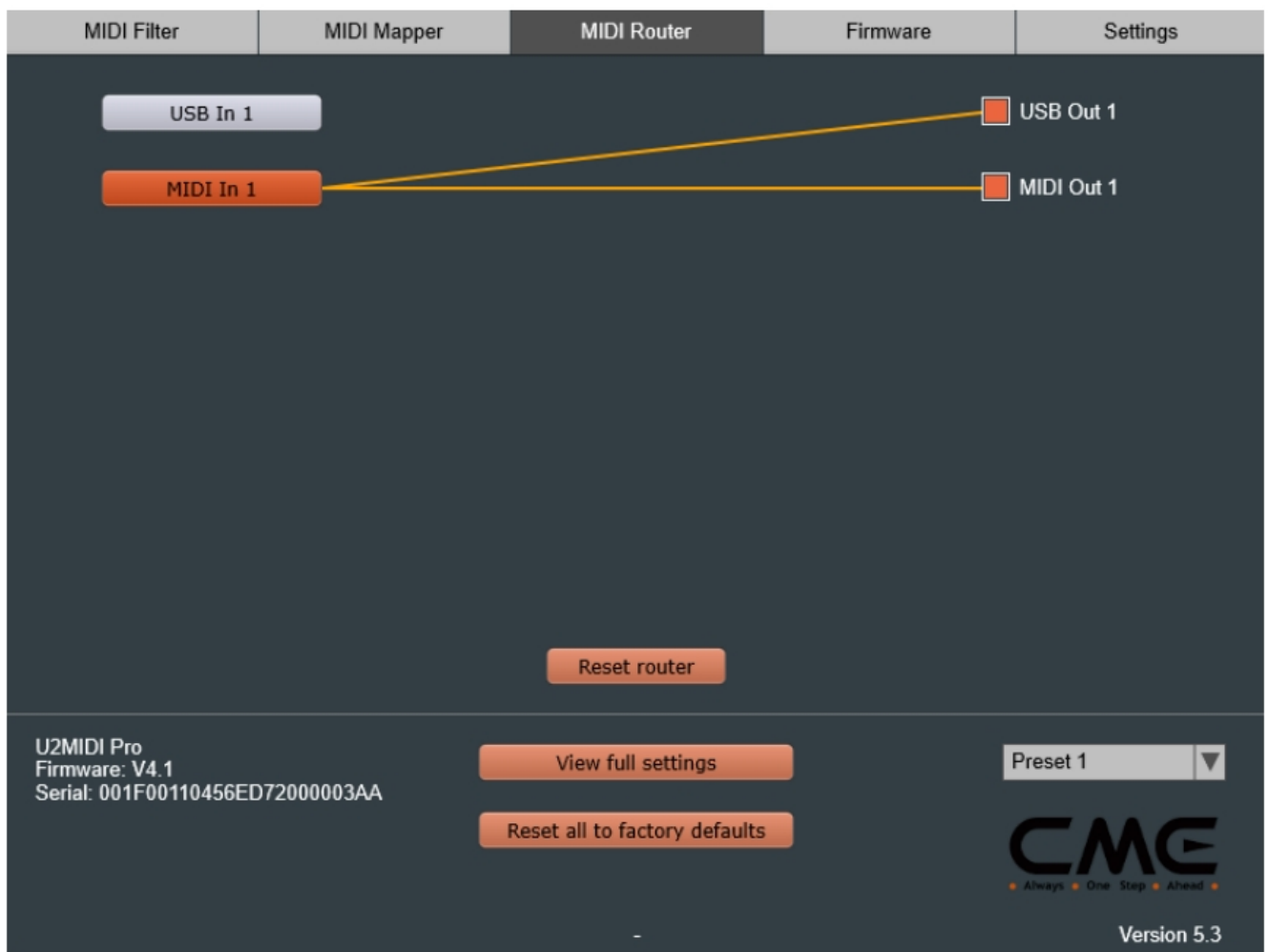


## MIDI Router – Advanced configuration

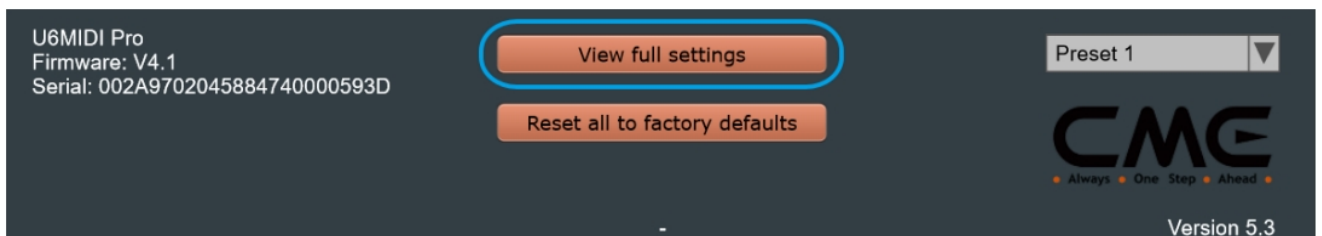


- Examples on U2MIDI Pro:

## MIDI Thru

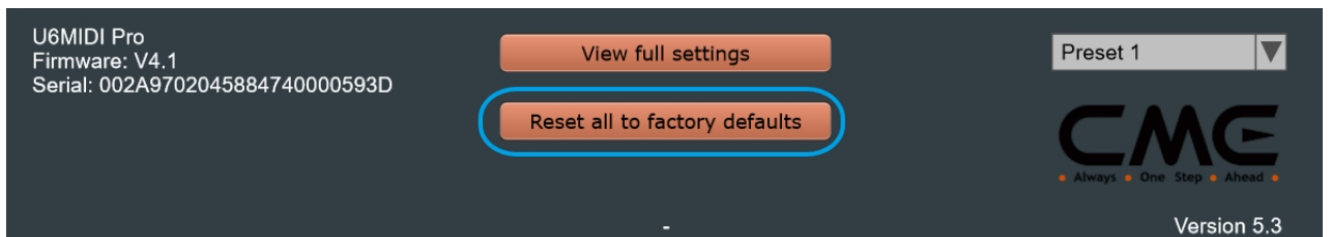


- [Reset router]: Click this button to reset all router settings on the current page to the default factory setting.
- [View full settings]: This button opens the overall settings window to view the filter, mapper, and router settings for each port of the current device – in one convenient overview.





- [Reset all to factory defaults]: This button restores all settings of the connected and selected device by the software (including [Filters], [Mappers], [Router]) to the original factory default.



## Firmware

When your computer is connected to the internet, the software automatically detects whether the currently connected CME USB MIDI device is running the latest firmware and requests an update if necessary.



When the software cannot be updated automatically, you can manually update it on this firmware page. Please go to [www.cmepro.com/support/](http://www.cmepro.com/support/) webpage and contact CME Technical Support for the latest firmware files. Select [Manual update] in the software, click the [Load firmware] button to select the downloaded firmware file on the computer, and then click [Start upgrade] to start the update.



## Settings

The Settings page is used to select the CME USB MIDI device model and port to be set up and operated by the software. If you have multiple CME USB MIDI devices connected at the same time, please select the product and port you want to set up here.

- [Presets settings]: By selecting the [Enable changing preset from MIDI messages] option, the user can assign Note On, Note Off, Controller or Program Change MIDI messages to remotely switch presets. Selecting the [Forward message to MIDI/USB outputs] option allows the assigned MIDI messages to be sent to the MIDI output port as well.

MIDI Filter
MIDI Mapper
MIDI Router
Firmware
Settings

MIDI Settings

Product

#1 CME U6MIDI Pro

MIDI Input

U6MIDI Pro

MIDI Output

U6MIDI Pro

Presets

Preset Settings

☐
Enable changing preset from MIDI messages

Message

Channel

Prog number

Prog Change

Any

0 to 3


☐
Forward message to MIDI/USB outputs

U6MIDI Pro  
Firmware: V4.1  
Serial: 002A9702045884740000593D

View full settings

Reset all to factory defaults

Preset 1



Always • One Step • Ahead •


Version 5.3

\* **Note:** Since the software version is updated continuously, the above graphical interface is for reference only, please refer to the actual display of the software.

## Contact

Email: [support@cme-pro.com](mailto:support@cme-pro.com)  
Website: [www.cme-pro.com](http://www.cme-pro.com)

## Documents / Resources



CME

UxMIDI Tools Software [pdf] User Manual

U2MIDI Pro, C2MIDI Pro, U6MIDI Pro, U4MIDI WC, UxMIDI Tools Software, Tools Software, So ftware

## References

- [!\[\]\(fd4127b9e2af37bd6ea0fa06afa8e6d8\_img.jpg\) Pro.com | Benchmark Quote | Construction Pricing Made Easy](#)
- [!\[\]\(3278d6283d12f18012b5aa7d40747611\_img.jpg\) Welcome to CME](#)
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