

TORAIZ AS-1

SoundEditor LE User Guide



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1. Introduction

Welcome to SoundEditor, a full-featured Editor and Sound Development tool for the Pioneer DJ TORAIZ AS-1 ANALOG SYNTHESIZER.

SoundEditor LE can be used to perform the operations listed below.

- Adjust program parameters and edit sequence patterns
- Write programs to AS-1 and save/load programs to computer
- Replace programs and edit banks
- Send banks to AS-1 and save/load banks to computer
- Change AS-1 GLOBAL SETTING

We hope you enjoy using SoundEditor for your AS-1 ANALOG SYNTHESIZER!

1.1 About This Manual

This manual is a simple manual for the SoundEditor LE version.
As for the details, please check the YouTube video.

Throughout the manual, we will use screenshots of the SoundEditor application for illustrative purposes. These screenshots are based on SoundEditor for PCs, although you should see similar views if you are using SoundEditor on a Mac. When any significant discrepancy in the appearance or operation of SoundEditor occurs between the Mac and PC platforms, we will describe the differences.

1.2 Support

Online support for this product is available at:

<http://www.soundtower.com/toraiz>

2. Starting Up

2.1 AS-1 Setup

Before establishing a connection between SoundEditor and the AS-1, configure the AS-1 GLOBAL SETTING as shown below.

Proper operation may not be possible without these settings.

GLOBAL SETTING

8 MIDI Param Send	: NRPN
9 MIDI Param Rcv	: NRPN
10 MIDI Control Enble	: On
11 MIDI Sysex Cable	: USB or MIDI (depending on the connection)
12 MIDI Out Select	: USB or MIDI (depending on the connection)
13 MIDI Out/Thru	: Out

2.2 Getting Connected

Connect the AS-1 to your computer by the USB cable or the MIDI interface.

If you are using the MIDI interface, it must connect with both MIDI In and MIDI Out connectors.

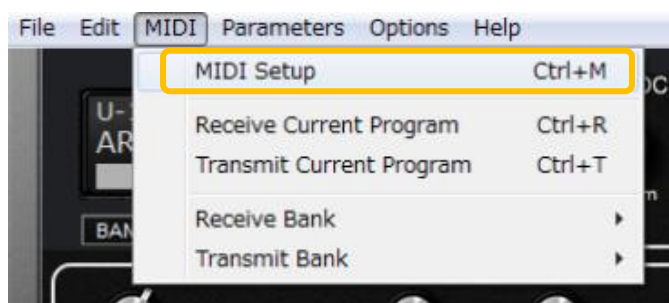
After making the connections between the AS-1 and your computer, power up the AS-1 and launch SoundEditor.

2.3 MIDI Setup

If you are working with SoundEditor for the first time, you will need to configure the program for MIDI communication with the AS-1 hardware.

SoundEditor will remember the configuration until you change it.

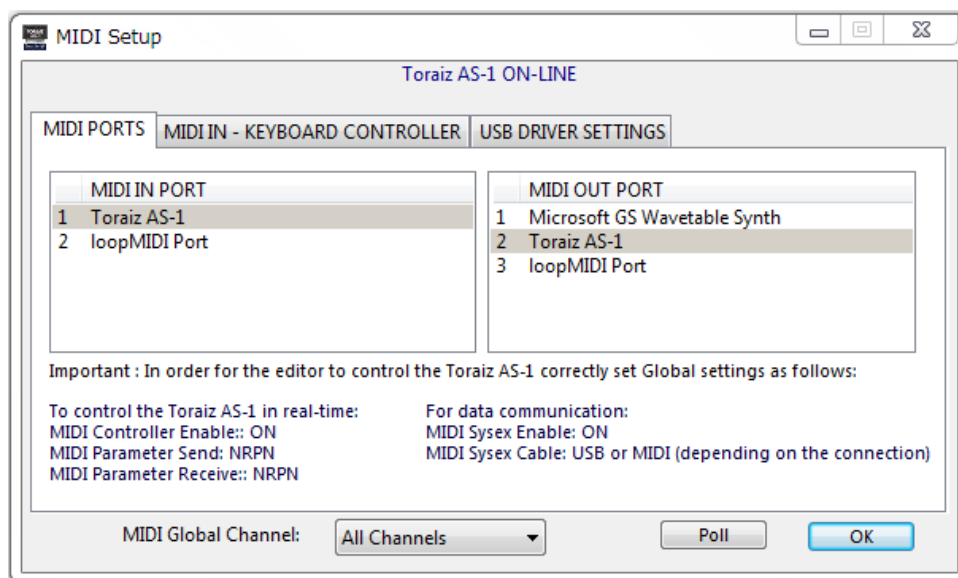
Click on the MIDI menu and select [MIDI Setup].



The MIDI Setup window will appear, displaying the available MIDI Port connections on your computer.

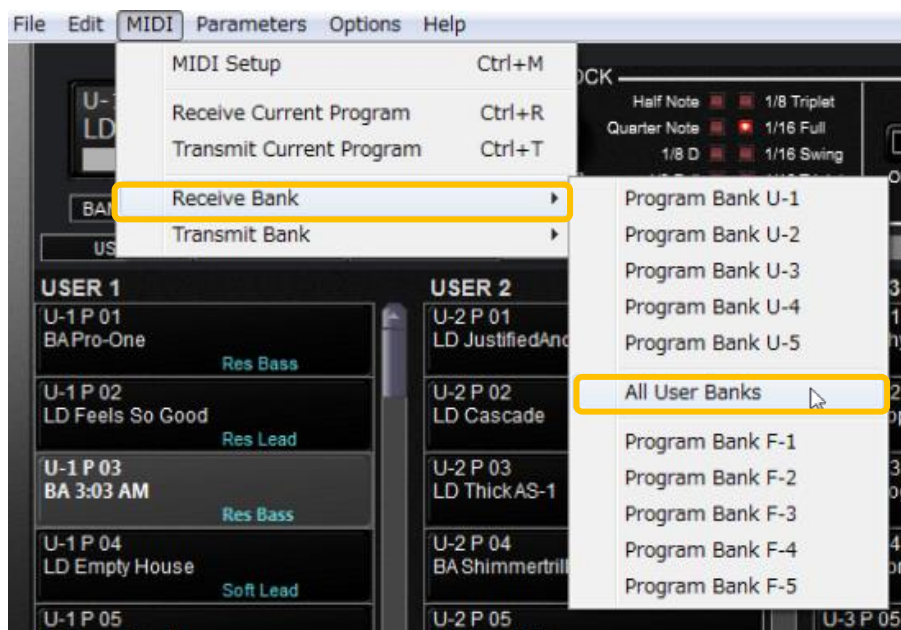
In the MIDI Setup window, select the MIDI IN and OUT ports on which the AS-1 is connected. Set the MIDI Channel to match the MIDI channel on the AS-1.

Once the proper ports and MIDI channel are selected, the screen below should appear.



2.4 Getting Banks from the AS-1

When using SoundEditor for the first time, we recommend that the bank data in SoundEditor matches that of the AS-1. Click on the MIDI menu, select [Receive Bank], and specify [All User Banks] to get all user bank programs from the AS-1.



3. Editing Program

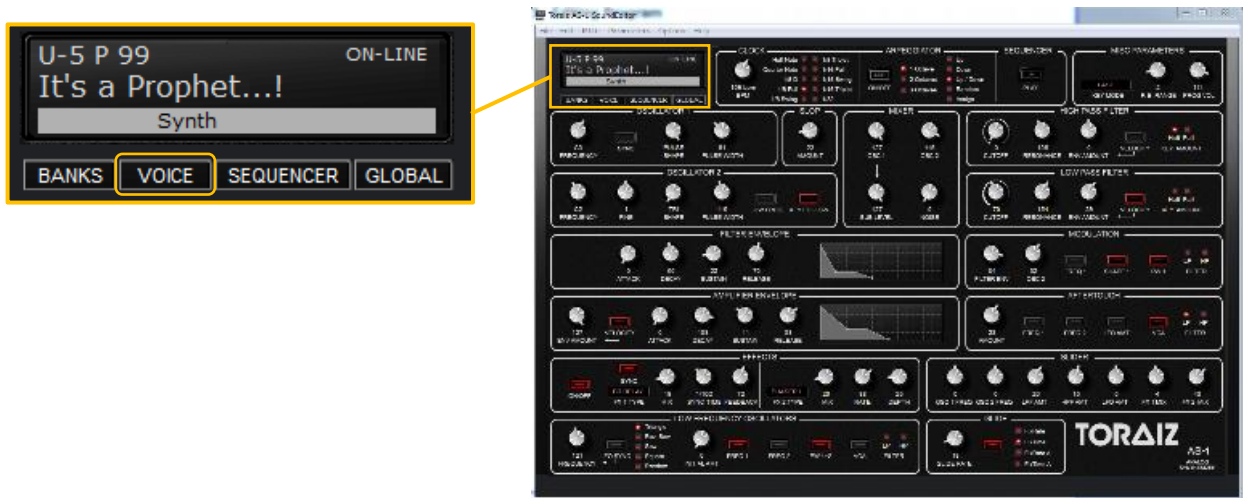
You can edit the program that is shown in the Program Name Display.

A different program can be selected by using the PROGRAM knob on the AS-1 or in the Banks window in SoundEditor.

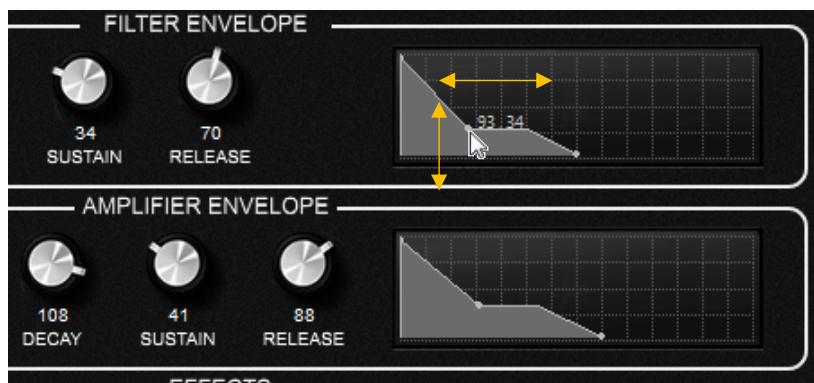
3.1 Adjusting Parameters

Select [VOICE] to display the Parameters window.

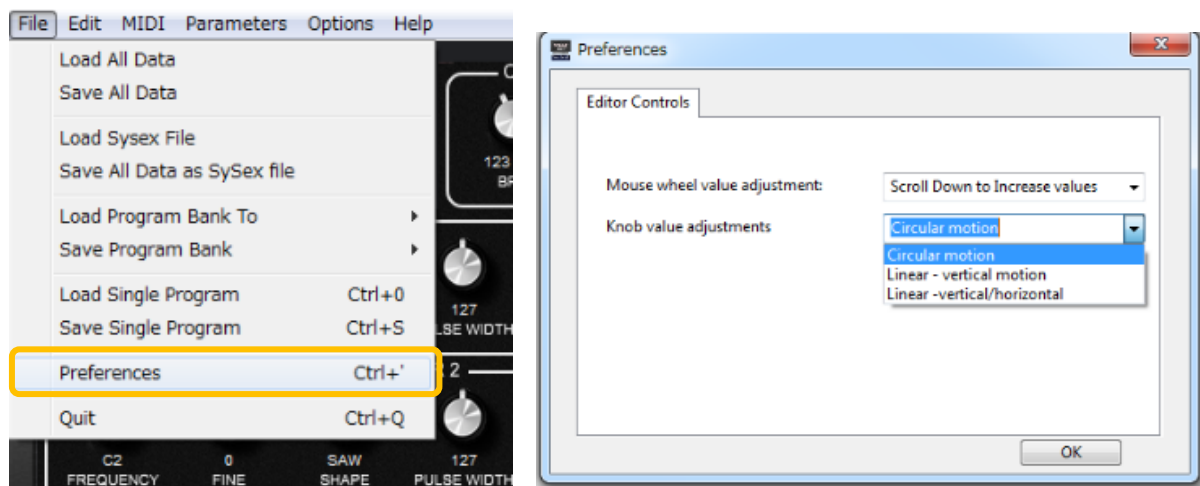
Use the knobs, buttons, checkboxes, and other controls to adjust the parameters.



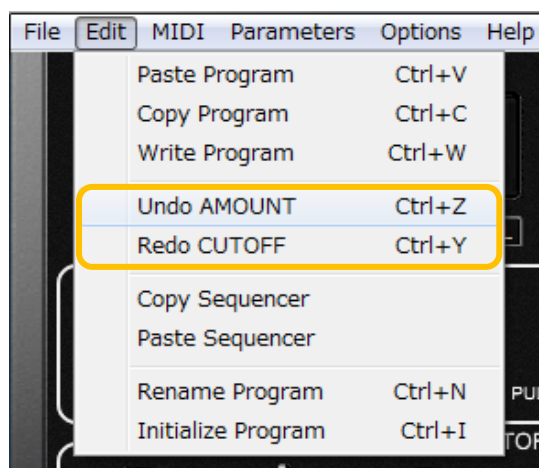
In the Controls Window, you can change the ADSR parameters for AMPLIFIER ENVELOPE or FILTER ENVELOPE by using the ADSR knobs or by grabbing and dragging the associated parameter handle in the envelope display as shown below:



In [Preferences] in the File menu, you can change how the knob controls and mouse wheel behave by adjusting the values.

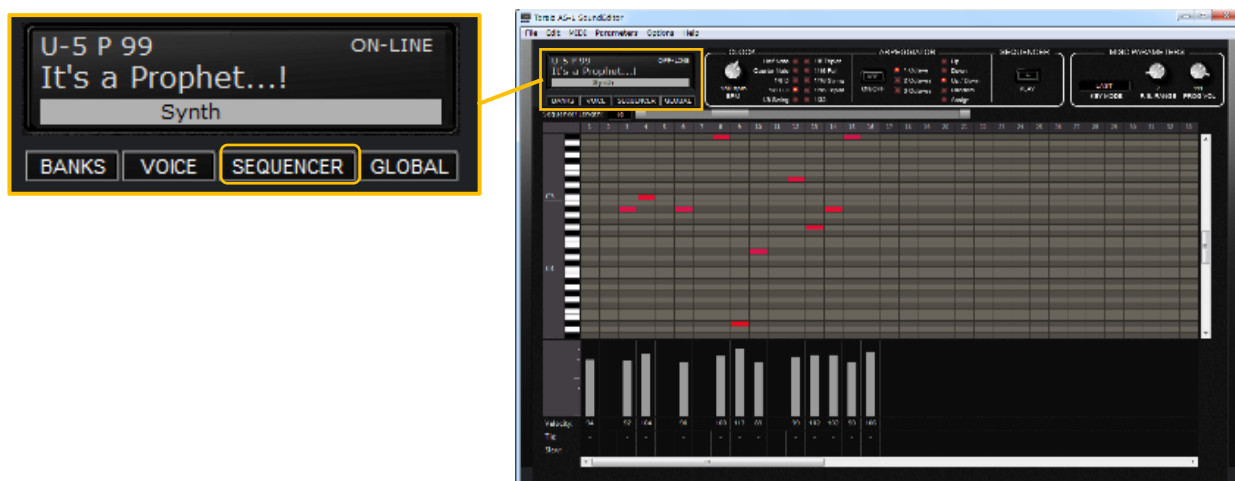


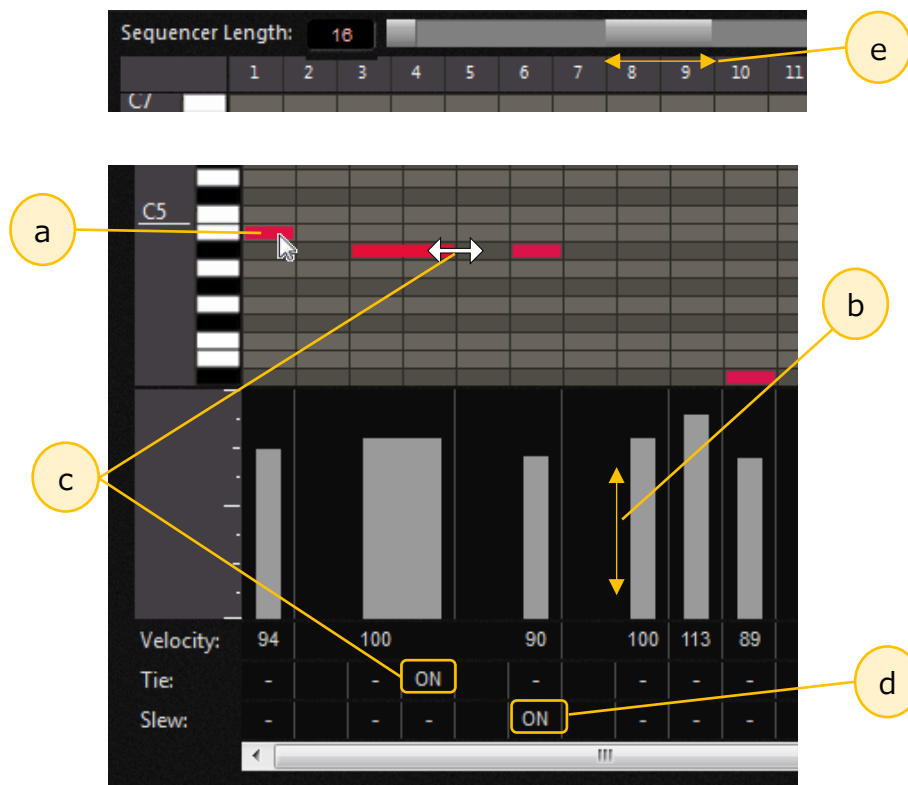
After a parameter is changed, you can select [Undo] or [Redo] in the Edit menu.



3.2 Editing Sequencer

Select [SEQUENCER] to display the Sequencer window.

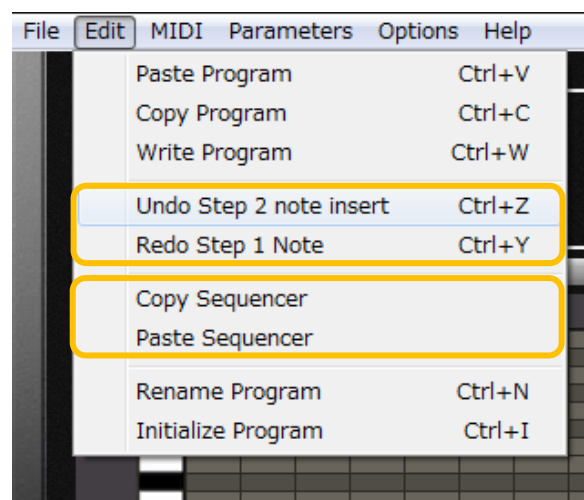




- a) Note : Right-click to insert a note. Double-click to delete a note (insert a rest).
- b) Velocity : Click and drag to adjust the velocity. When set to 0, a rest is added.
- c) Tie : Tie is set when the right edge of a note is dragged, or when the checkbox is set to ON.
- d) Slew : Slew is set when the checkbox is set to ON.
- e) Length : Slide the bar left or right to change the number of sequencer steps.

You can click the Edit menu and select [Copy Sequencer] to copy the sequence pattern of the current program. Select [Paste Sequencer] to paste it into another program.

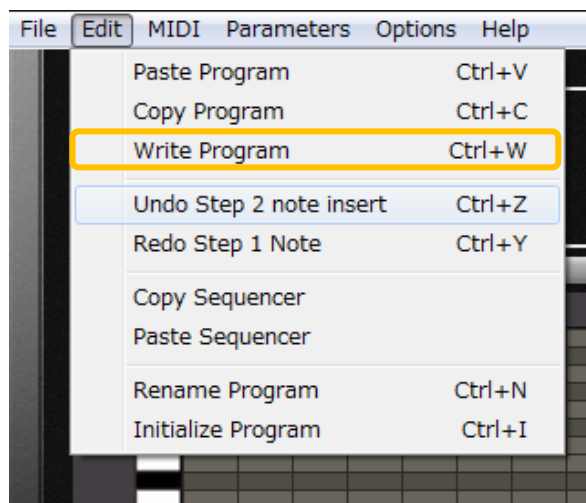
After a sequence pattern is changed, you can select [Undo] or [Redo] in the Edit menu.



3.3 Writing Program to the AS-1

After changing the parameters or sequence pattern, make sure to select [Write Program] in the Edit menu to save the changes to the AS-1. This is the equivalent to the WRITE function (SHIFT+GLOBAL) on the AS-1.

Please note that if you select a different program without performing [Write Program], the changes will be discarded.



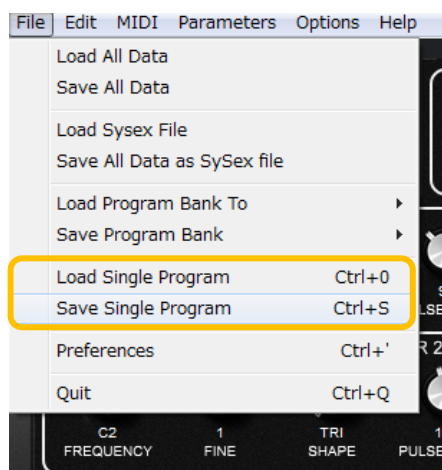
3.4 Saving Program to the Computer

To save an edited program to the computer, click the File menu and select [Save Single Program]. The program is saved with the "*.tas1_program" file extension.

3.5 Loading Program from the Computer

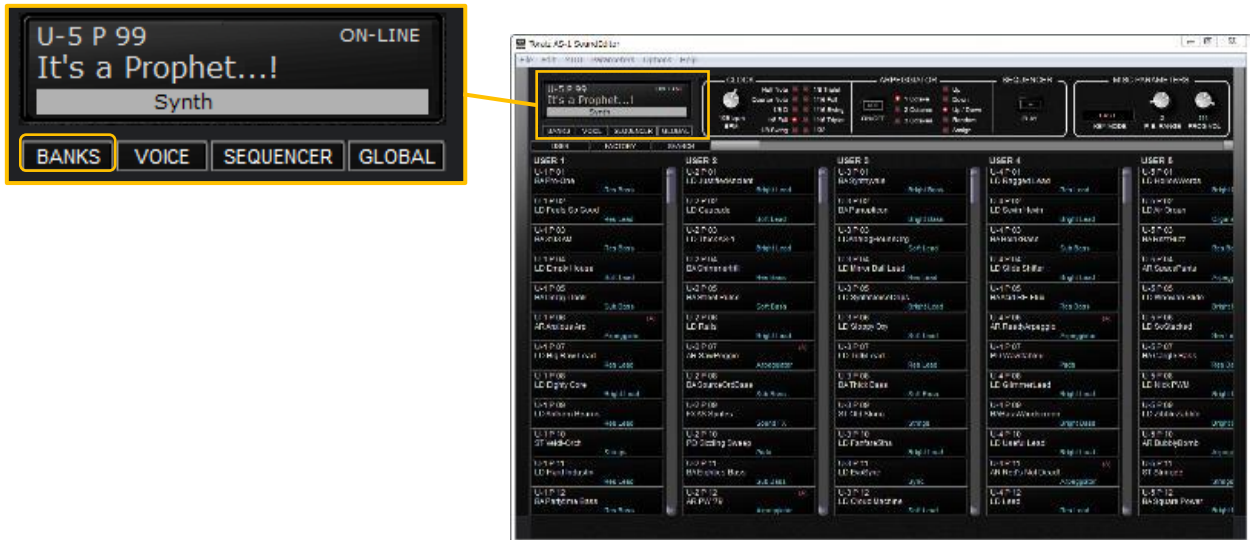
To load a program to the computer, click the File menu and select [Load Single Program]. You can also perform this operation to replace a program.

When loading, use files with the "*.tas1_program" extension.

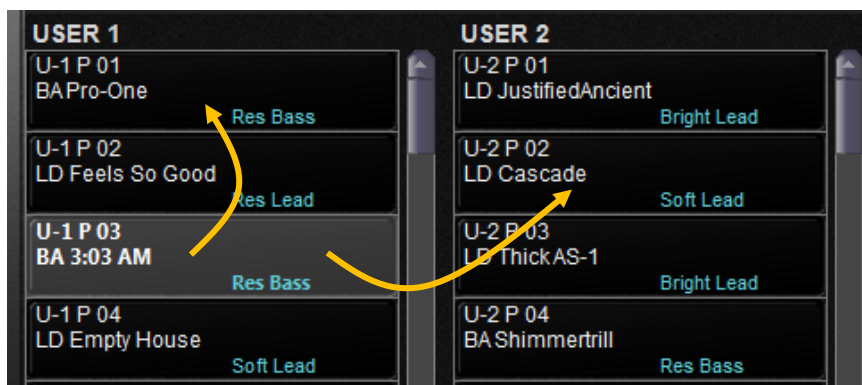


4. Editing Banks

Select [BANKS] to display the Banks window.

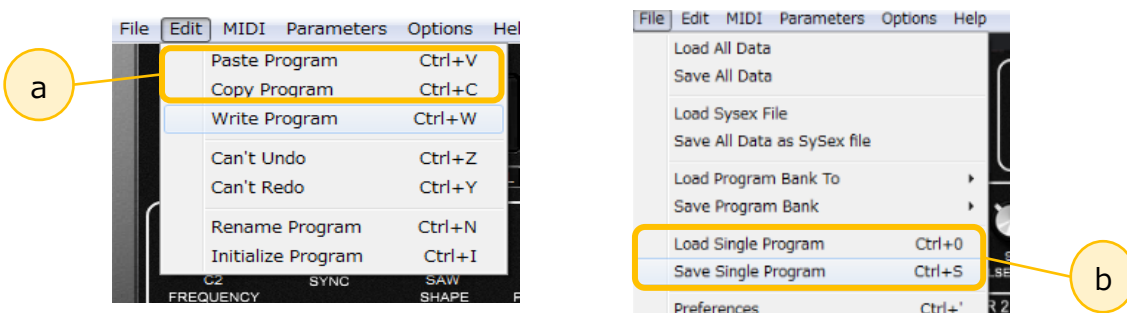


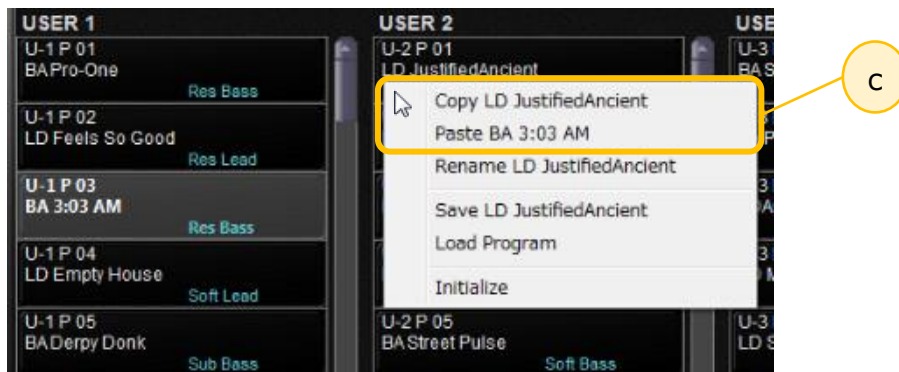
4.1 Copying Program between Banks



You can use any of the methods below to replace a program with another program from a different bank.

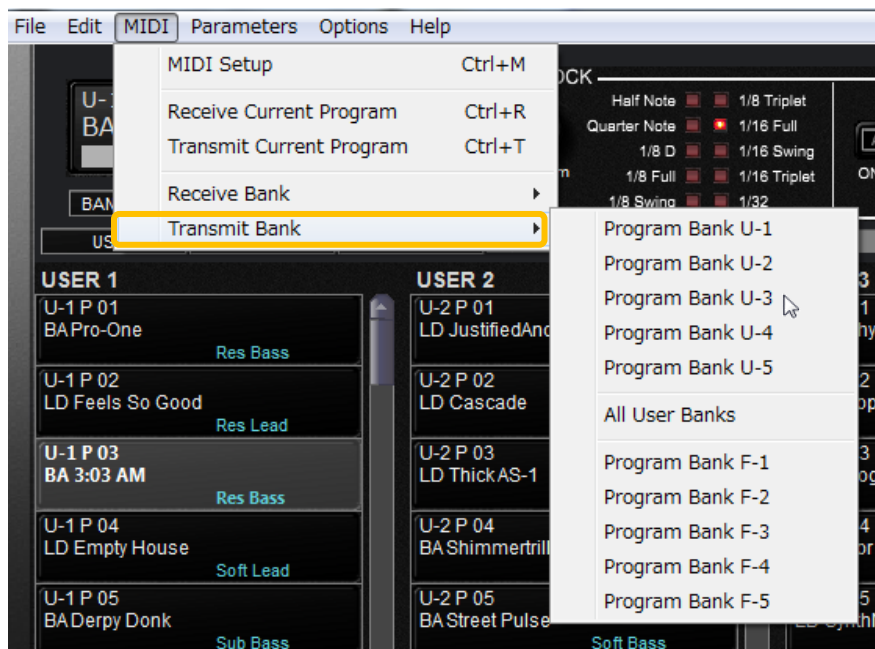
- Select [Copy Program] in the Edit menu to copy a program, then select [Paste Program] to paste it over another program.
- Select [Load Single Program] in the File menu to overwrite another program.
- Right-click on a program and select [Copy ****] to copy it, then select [Paste ****] to paste it over another program.





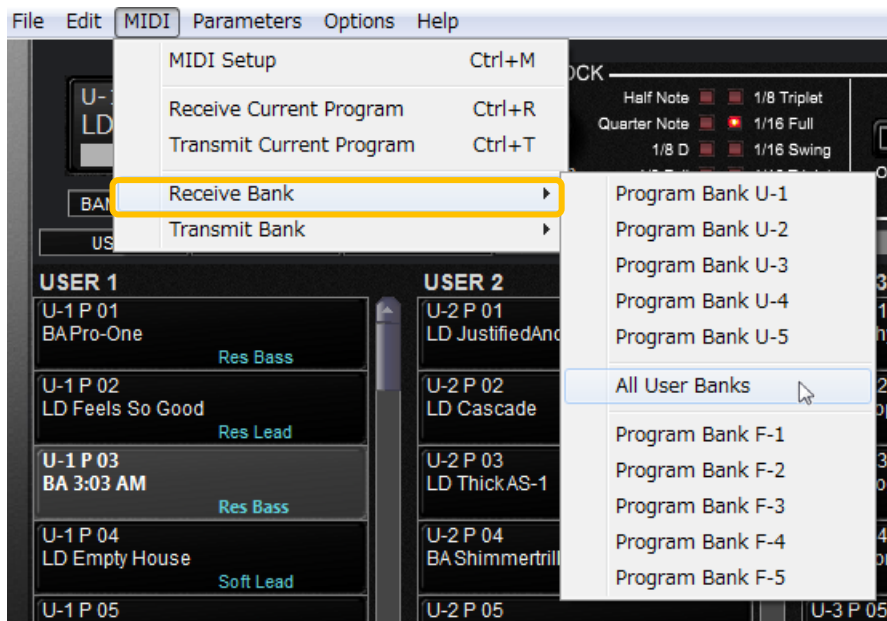
4.2 Transmitting Banks to the AS-1

Click the MIDI menu and select [Transmit Bank] to send all programs in the specified SoundEditor bank to the AS-1. Please note that when [Transmit Bank] is performed, all programs in the specified AS-1 bank are overwritten.



4.3 Receiving Banks from the AS-1

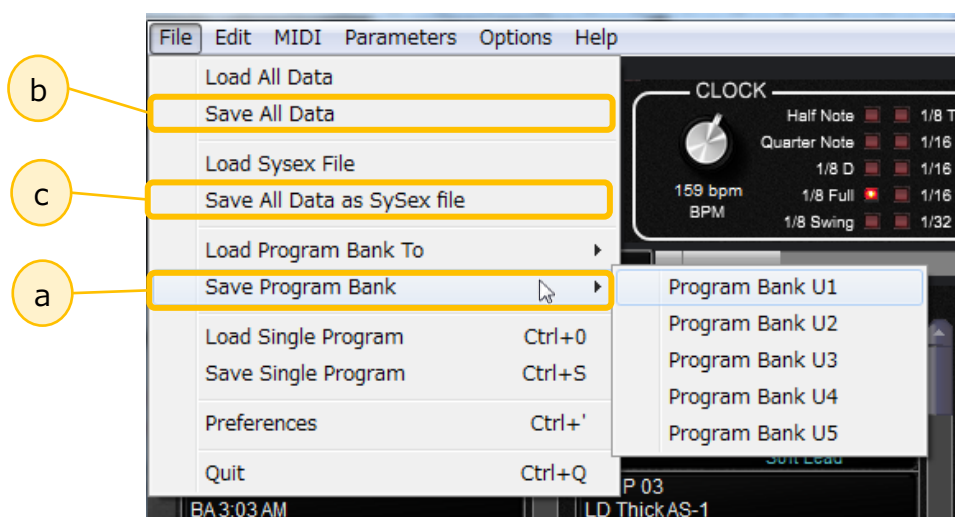
When you click the MIDI menu and select [Receive Bank], SoundEditor receives all programs from the specified AS-1 bank. Please note that when [Receive Bank] is performed, all programs in the currently selected SoundEditor bank are overwritten.



4.4 Saving Banks to the Computer

- To save the data of a specific user bank to the computer, perform the following operation:
 - a) Select [Save Program Bank] in the File menu and specify which bank to save. The bank data is saved with the "*.tas1_bank" file extension.
- To save all user bank data to the computer, perform either one of the two operations below:
 - b) Select [Save All Data] in the File menu to save all user banks. The bank data is saved with the "*.tas1_synth" file extension.
 - c) Select [Save All Data as SySex file] in the File menu to save all user banks. The bank data is saved with the "*.syx" file extension.

For details about "*.syx" files, see "4.5 Loading Banks from the Computer".



4.5 Loading Banks from the Computer

- To load bank data from the computer to a specific user bank, perform either one of the two operations below.

- a) Select [Load Program Bank to] in the File menu, and specify the bank in which to load the bank data.

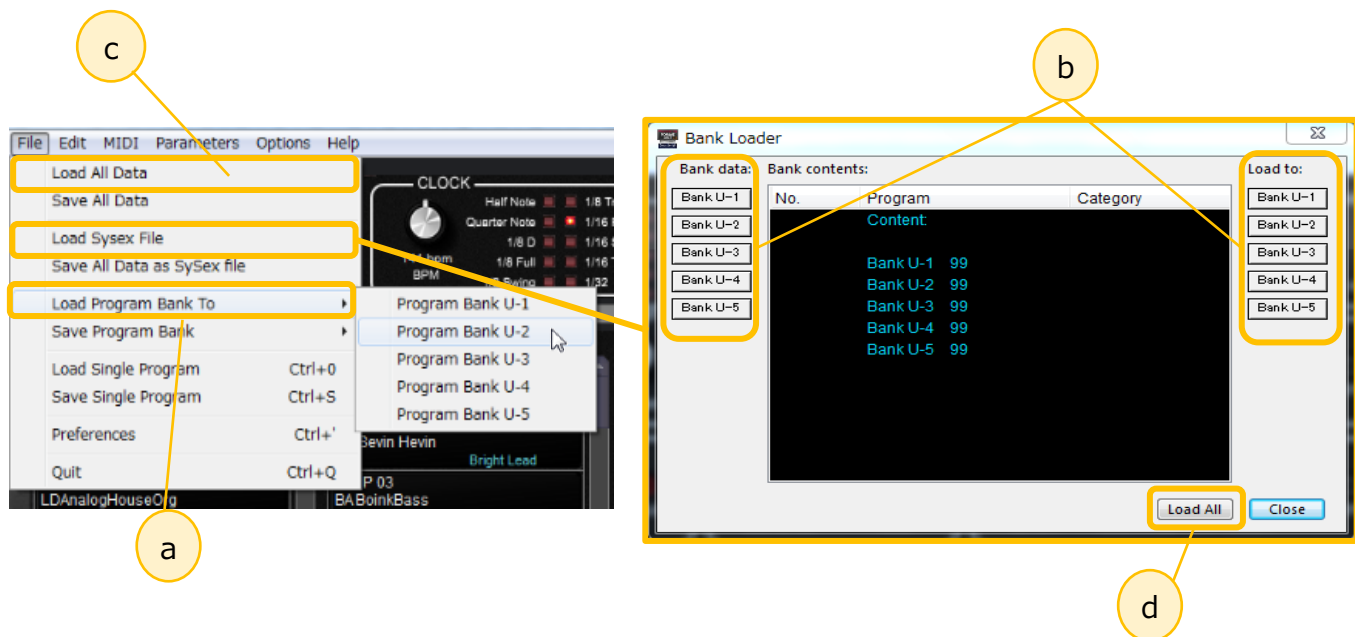
When loading, use files with the "*.tas1_bank" extension.

- b) Select [Load Sysex File] in the File menu to load a "*.syx" file and launch the Bank Loader. Specify the bank data that you want to load, and the user bank in which to load it.

- To load bank data from the computer to all user banks, perform either one of the two operations below.

- c) Select [Load All Data] in the File menu to load all user banks. When loading, use files with the "*.tas1_synth" extension.

- d) Select [Load Sysex File] in the File menu to load a "*.syx" file and launch the Bank Loader. Select [Load All] to load all user banks.

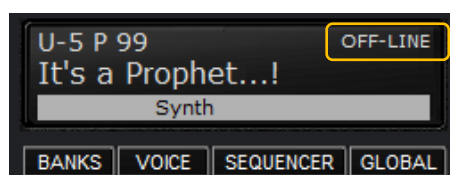


5. Additional information

5.1 Troubleshooting

- If the AS-1 and SoundEditor are connected but do not operate properly, then check that the AS-1 GLOBAL SETTING is configured as described in "2.1 AS-1 Setup".
- If the connection between the AS-1 and SoundEditor is interrupted due to reasons such as a cable being plugged or unplugged, then:

Select [MIDI Setup] in the MIDI menu, and specify the AS-1 again.
You can check the connection status in the Program Name Display.



5.2 File Extensions

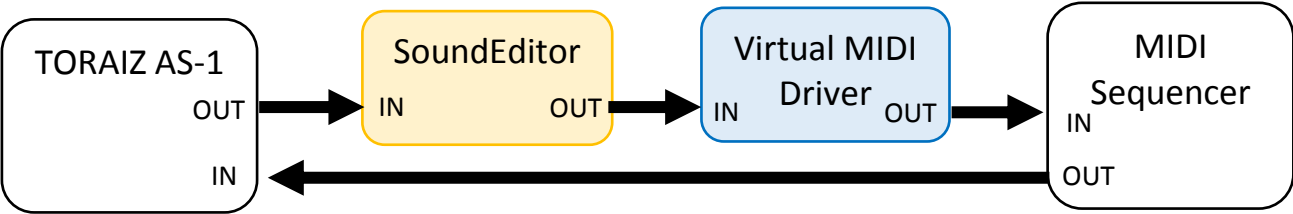
SoundEditor uses the following file extensions to specify AS-1 data:

Single Program Data	: [*.tas1_program]
User Bank Data (Single Banks)	: [*.tas1_bank]
All Data (User Banks 1~5)	: [*.tas1_synth]
All Data (User Banks 1~5 or Single Banks)	: [*.syx]

5.3 MIDI Setup for use with another MIDI Sequencer (Windows PC)

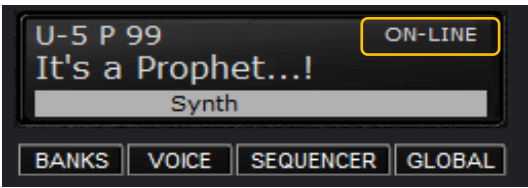
When using SoundEditor with a MIDI sequencer (ProTools, Cubase, Ableton Live, etc.) on a Windows PC, a virtual MIDI driver is required. Use a third-party virtual MIDI driver for the connection. (For example, use Loop MIDI, MIDI Yoke, etc.)

We recommend the MIDI connection shown below.



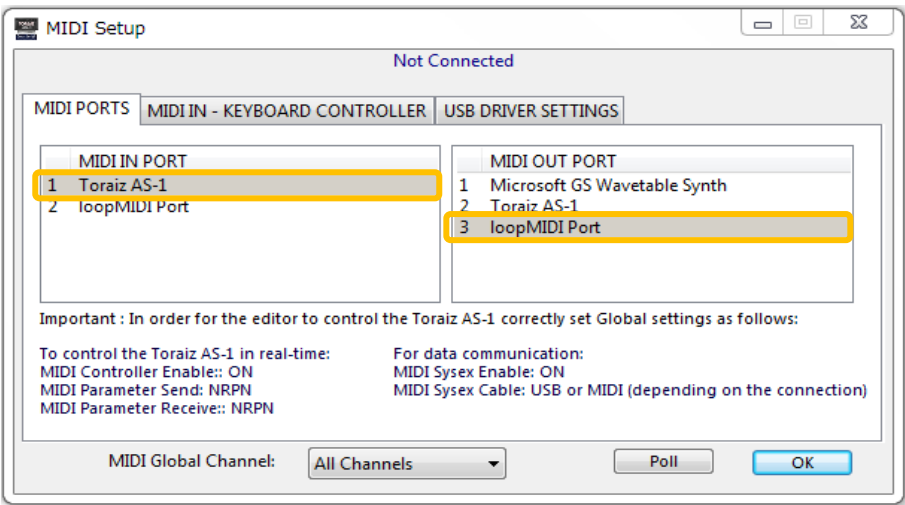
Below is an example of a connection procedure.

- 1 Launch the virtual MIDI driver on the computer.
- 2 Turn ON the AS-1.
- 3 Launch SoundEditor and check that the connection status is ON-LINE.

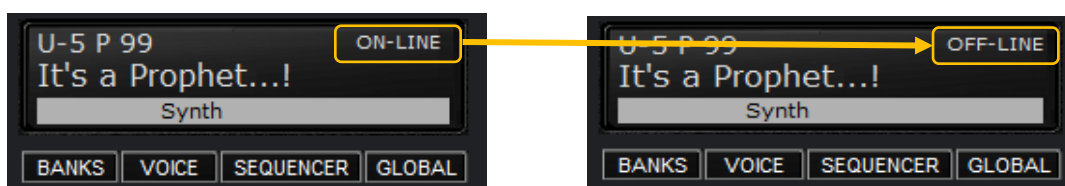


- 4 Launch the MIDI sequencer.
- 5 In SoundEditor, click the MIDI menu, select [MIDI Setup], and configure the MIDI PORTS settings below.

MIDI IN PORT : AS-1
MIDI OUT PORT : Virtual MIDI port



Although the SoundEditor connection status is displayed as OFF-LINE, you can continue configuring the settings.



5 Configure the MIDI IN/OUT settings below for the MIDI sequencer.

MIDI IN PORT : Virtual MIDI port
MIDI OUT PORT : AS-1

As an example, when using with Ableton Live:

- Configure the MIDI settings in Preferences.
If an output listed under MIDI Ports is displayed in orange, turn the Sync setting OFF and back ON to refresh the connection status.
- Configure the MIDI IN/OUT settings of the MIDI track as shown on the right.

MIDI From : Virtual MIDI Port
MIDI To : TORAIZ AS-1
Arm : ON

