KORG
microSAMPLER Editor/Librarian Owner's Manual

Ⓔ ①

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Introduction

Thank you for the Korg microSAMPLER. In order to take full advantage of the software, please read this manual carefully and use the product as directed.

microSAMPLER Editor/Librarian in a Nutshell

The microSAMPLER Editor/Librarian enables you to edit microSAMPLER sample data and effect parameters and transfer them between your microSAMPLER and a computer. The Editor/Librarian also allows you to import WAV or AIFF format audio files and Standard MIDI files from a computer's hard disk.

Precautions

- Do not disconnect the microSAMPLER from the computer or turn off the power to the microSAMPLER during the startup process of the microSAMPLER Editor/Librarian.
- Do not operate the microSAMPLER or the microSAMPLER Editor/Librarian during data transfer.
- Do not disconnect the audio interface for the microSAMPLER Editor/Librarian or turn off the power to such the audio interface during the startup process of the microSAMPLER Editor/Librarian.
- Do not connect multiple microSAMPLER units to your computer when you use the microSAMPLER Editor/Librarian.

Notes on USB Communication

You cannot use the microSAMPLER Editor/Librarian along with a DAW or a similar application software that communicates via MIDI.

The microSAMPLER supports USB-MIDI communication. However, the microSAMPLER communicates with the microSAMPLER Editor/Librarian to send or receive large amounts of data, such as samples and pattern data, using non-USB-MIDI standards. Therefore, you cannot use the microSAMPLER Editor/Librarian along with a DAW or similar application that communicates via MIDI. Before you start using the microSAMPLER Editor/Librarian, close all applications that communicate via MIDI.
Also, before using the microSAMPLER as a USB-MIDI device, you should close the microSAMPLER Editor/Librarian, then start a MIDI-compatible application.

With Mac OS X, if you start a MIDI-compatible application while using microSAMPLER Editor/Librarian, all connected MIDI devices will be disabled.
In this case, close the microSAMPLER Editor/Librarian and all MIDI-compatible applications first, then restart the MIDI-compatible applications.

System Requirement

Mac OS X

Supported computer: An Apple Macintosh computer that satisfies Mac OS X requirements, with Intel or Power PC processor and USB port

Supported OS: Mac OS X 10.4 or later

Audio Interface: An audio interface that supports CoreAudio and enables output at 44.1 kHz or 48 kHz (Macintosh built-in sound output can also be used.)

Windows

Supported computer: A computer that satisfies Microsoft Windows XP/Vista system requirements, with a USB port (Intel USB chipset recommended)

Supported OS: Microsoft Windows XP SP3 or later, or Microsoft Windows Vista SP2 or later

Audio interface: An audio interface that supports ASIO or Direct Sound and enables output at 44.1 kHz or 48 kHz

Installation

Installation on Windows

Follow the steps below to install the software on Windows:

1. Double-click “setup_E.exe” to start the installer. The installer screen opens.
2. Follow the instructions on screen to install the software.

Installation on Mac OS X

Follow the steps below to install the software on Mac OS X:

1. Double-click “microSAMPLER Editor.pkg” to start the installer. The installer screen opens.
2. Follow the instructions on screen to install the software.

Quick Start

Starting Up microSAMPLER Editor/Librarian

note Before you start using the microSAMPLER Editor/Librarian in Windows, you must install the Korg USB-MIDI driver. Download the driver from the Korg website and install it as directed in the included documentation. (http://www.korg.com/)

1. Connect the microSAMPLER to the computer using a USB cable.
2. Turn on the power to the microSAMPLER.
3. Double-click "microSAMPLER Editor Librarian" in the "microSAMPLER" folder inside the "KORG" folder.

   Mac OS X: You can find the "KORG" folder in the "Applications" folder.

   Windows: You can find the "KORG" folder by selecting [Start -> All Programs].

   The microSAMPLER Editor/Librarian will starts up.

Setting Up microSAMPLER Editor/Librarian

Before using the microSAMPLER Editor/Librarian, follow the steps below to check the settings on the microSAMPLER.

1. Press the [EDIT] button until it blinks.
   If it is not blinking, press the [EDIT] button several times until it blinks.
2. Turn the [PARAMETER/FX CONTROL 1] knob to select the "GLOBAL" page.
3. Press the [EDIT] button to light it.
4. Turn the [PARAMETER/FX CONTROL 1] knob to select "PROTECT." If "PROTECT" is set to "ON," turn the [VALUE/FX CONTROL 2] knob to select "OFF."

Receiving Bank Data From the microSAMPLER

You can transfer the current bank data from the microSAMPLER to the microSAMPLER Editor/Librarian for editing.

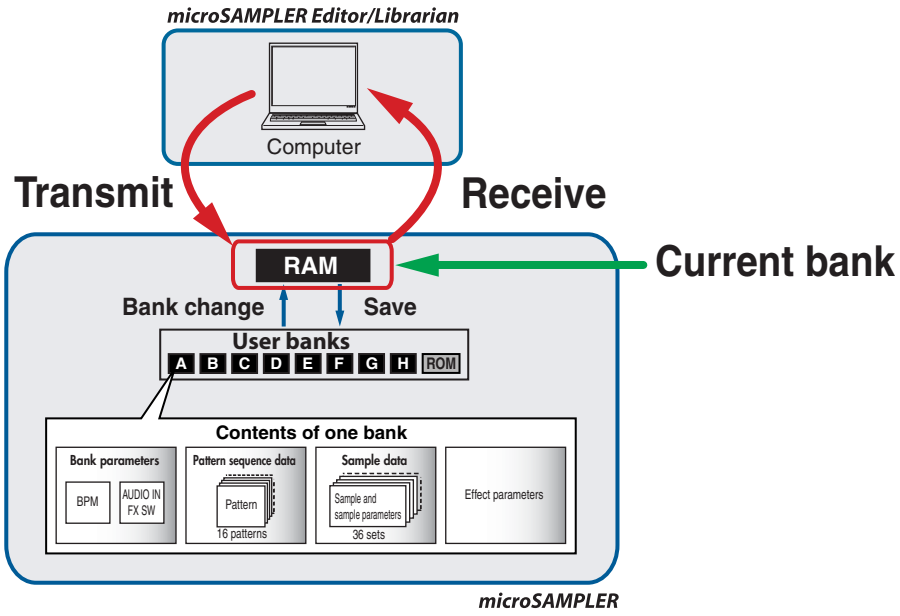
1. On the "Transfer" menu, select "Receive Current Bank."
2. The current bank data will be copied from the microSAMPLER to the microSAMPLER Editor/Librarian.

During data transfer, do NOT touch the microSAMPLER or the microSAMPLER Editor/Librarian.

What is the "Current Bank"?

"Current bank" refers to the bank that is currently selected on the microSAMPLER. This includes samples, sample parameters, pattern and effect data, along with tempo, audio-in and effect routing information.
The Bank Edit page of the microSAMPLER Editor/Librarian enables you to transmit and receive data to and from the current bank of the microSAMPLER.

All of this data in the current bank will be lost if you turn off the power to the microSAMPLER or switch to another bank. If you want to keep the data, you must save it to a user bank on the microSAMPLER before turning off the power to the unit or switching banks.



note To back up the content of microSAMPLER's user banks to the microSAMPLER Editor/Librarian, use the Bank Memory Control screen (see page 14).

Editing Sample Data

This section explains how to edit sample data in the Sample Edit page.

1. Click the [EDIT SAMPLES] page select tab to display the Sample Edit page.
2. Click a key on the Sample Select Keyboard where the sample that you wish to edit has been assigned. The selected key will light-up.
3. Use the knobs and switches on the screen to edit the parameters for the selected sample.

note Use the microSAMPLER to confirm that the pitch and volume parameters have been set appropriatelly.

Loading WAV and AIFF Files

When WAV or AIFF files are imported into the microSAMPLER's Editor/Librarian they will be converted into sample data that is compatible with the microSAMPLER.

1. In the Sample Edit page, select "Open Sample" from the "File" menu.
   A dialog opens to prompt you to select a file.
2. Select a WAV or AIFF file, then click the [OPEN] button.
   The selected sample data will be loaded.

note The microSAMPLER Editor/Librarian supports WAV and AIFF files of 24-bit linear PCM mono and stereo samples at 6/12/24/44.1/48 kHz. A sample file at 44.1 kHz will be automatically converted to a sample file at 48 kHz before being loaded.

Samples at any sampling rate other than those specified above can be loaded, but the sample pitch will be changed. If you wish to tune the sample to the original pitch, use the "SEMITONE" and "TUNE" sample parameters on the Sample Edit page.

Transmitting Bank Data to microSAMPLER

To reflect edits performed in the microSAMPLER Editor/Librarian on the data in the microSAMPLER, you must send the edited bank data to the microSAMPLER. To do so, follow the steps below:

1. In the "Transfer" menu, select "Transmit to Current Bank."
2. A dialog is displayed to confirm the transmission. Click the [OK] button.
   The edits of the microSAMPLER Editor/Librarian data will be reflected in the current bank of the microSAMPLER.

Do not operate the microSAMPLER or the microSAMPLER Editor/Librarian during data transfer.

Bank data transmitted to the microSAMPLER's current bank will be lost if you turn off the power to the unit or switch to a different bank, unless you save the data in the microSAMPLER. If you want to keep the transmitted data, you must save it in the microSAMPLER.

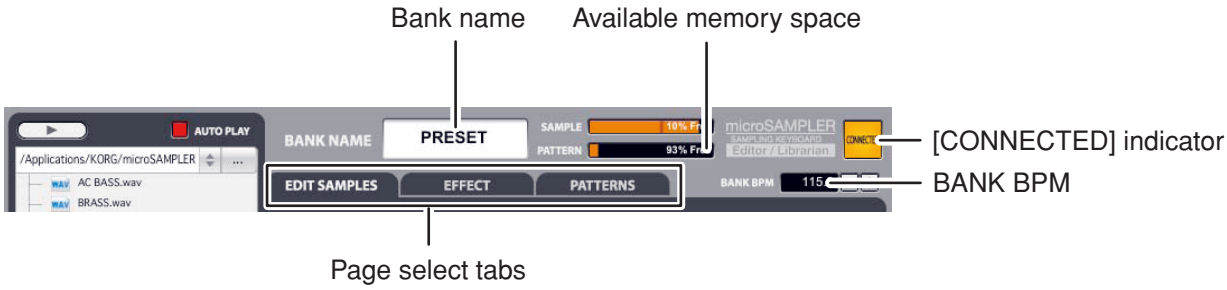
About the microSAMPLER Editor/Librarian's Screens and Features

This section includes an overview of each screen and its function in THE microSAMPLER Editor/Librarian. For details about the parameters, please refer to the Owner's Manual that came with the microSAMPLER.

Bank Edit Screen

Common Elements

The following elements are common to the Sample Edit, Effect Edit and Pattern Edit pages.



Bank name

Enables you to edit the "BANK.NAME" (bank name) parameter.

Available memory space

Displays the USED AND available memory for samples and patterns in the bank.

[CONNECTED] indicator

Indicates the status of the connection to the microSAMPLER.
It lights up when the microSAMPLER is connected properly.

Page select tabs

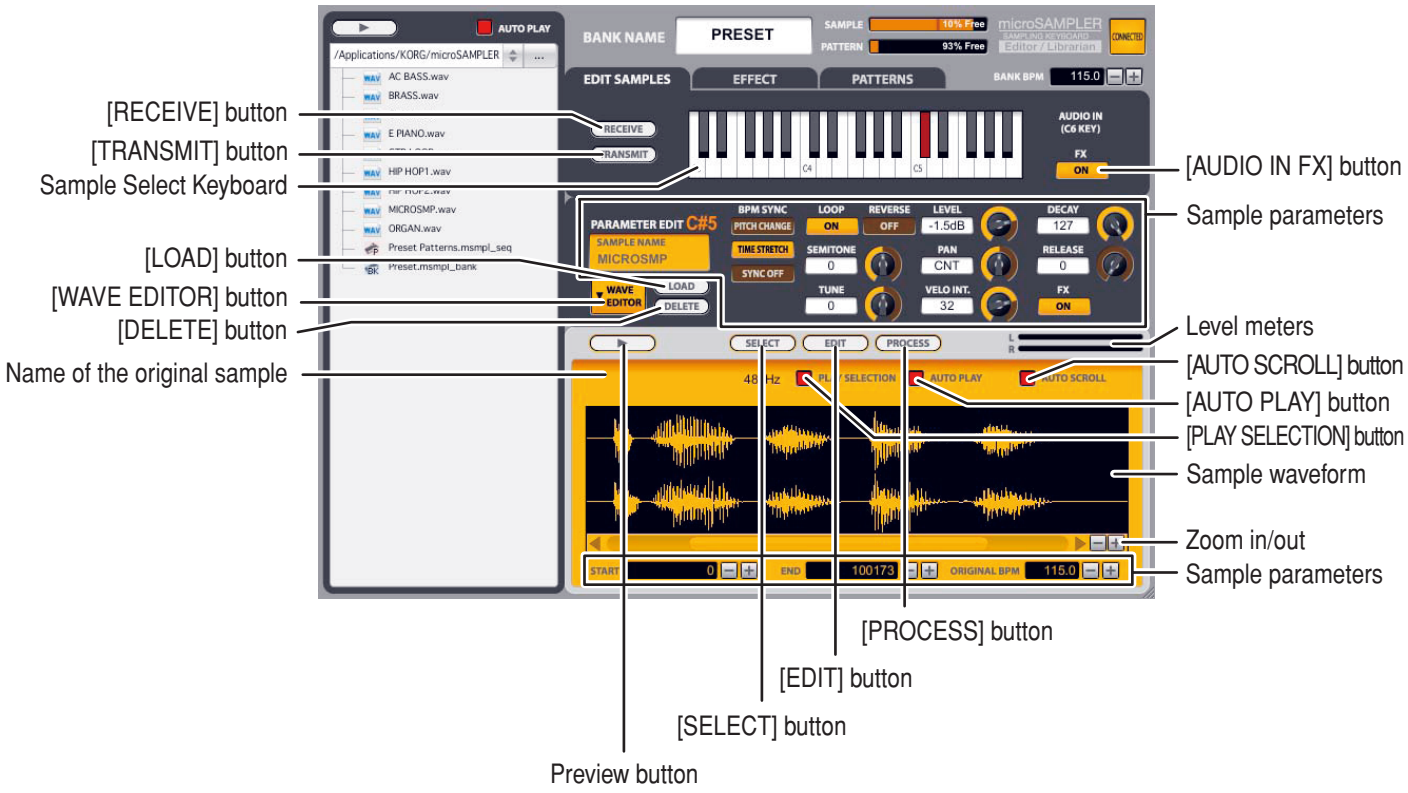
Enables you to select the Sample Edit, Effect Edit or Pattern Edit page.

BANK BPM

Displays and enables you to edit the "BPM" (tempo) parameter for the bank.

Sample Edit page

The Sample Edit page enables you to edit and control sample data.



Sample Select Keyboard

Enables you to select a sample to edit.
To swap a sample location, click on the original key and drag to another key.
To copy a sample, press and hold down the [Ctrl] key in Windows or the [option] key on Mac, click on the original key and drag to another location.

[RECEIVE] button

Initiates the transfer of a sample from the microSAMPLER's current bank to the Sample Select Keyboard of microSAMPLER Editor/Librarian.

[TRANSMIT] button

Transmits a sample from the selected key on the Sample Select Keyboard to the microSAMPLER's current bank.

[AUDIO IN FX] button

Enables you to edit the "AUDIO IN FX SW" bank parameter.

Sample parameter sections

These sections display and enable you to edit the sample parameter settings.

[LOAD] button

Assigns and loads sample data from the file into the selected key on the Sample Select Keyboard.

[DELETE] button

Deletes a sample assigned to the selected key of the Sample Select Keyboard.

[WAVE EDITOR] button

Displays the Waveform Editor.

Name of the original sample

Displays the name of the loaded audio file.

note Names with more than 16 characters will be truncated.

note Names with non-alphanumerical characters may not display correctly.

[Preview] button

Plays the sample assigned to the currently-selected sample key on the computer.

note The playback of the sample will not reflect the pitch, volume or other parameter settings.

[SELECT] button

Selects "All" or converts the selected range into Start and End point settings.

[EDIT] button

Opens the "Edit" menu for the sample waveform.

[PROCESS] button

Processes an entire sample waveform, for examples converting the sampling rate.

Level meters

Display the preview playback volume level.

[PLAY SELECTION] button

Modifies waveform preview playback. Turn this On to preview only the selected range of the waveform.

[AUTO PLAY] button

Turns the Auto Play function On and Off. Turn the Auto Playback function On to automatically play a sample whenever you select the Sample Select key where the sample is assigned.

[AUTO SCROLL]

Turns the Auto Scroll function On and Off. Turn the Auto Scroll function On to automatically scroll the sample waveform during sample preview playback.

Sample waveform

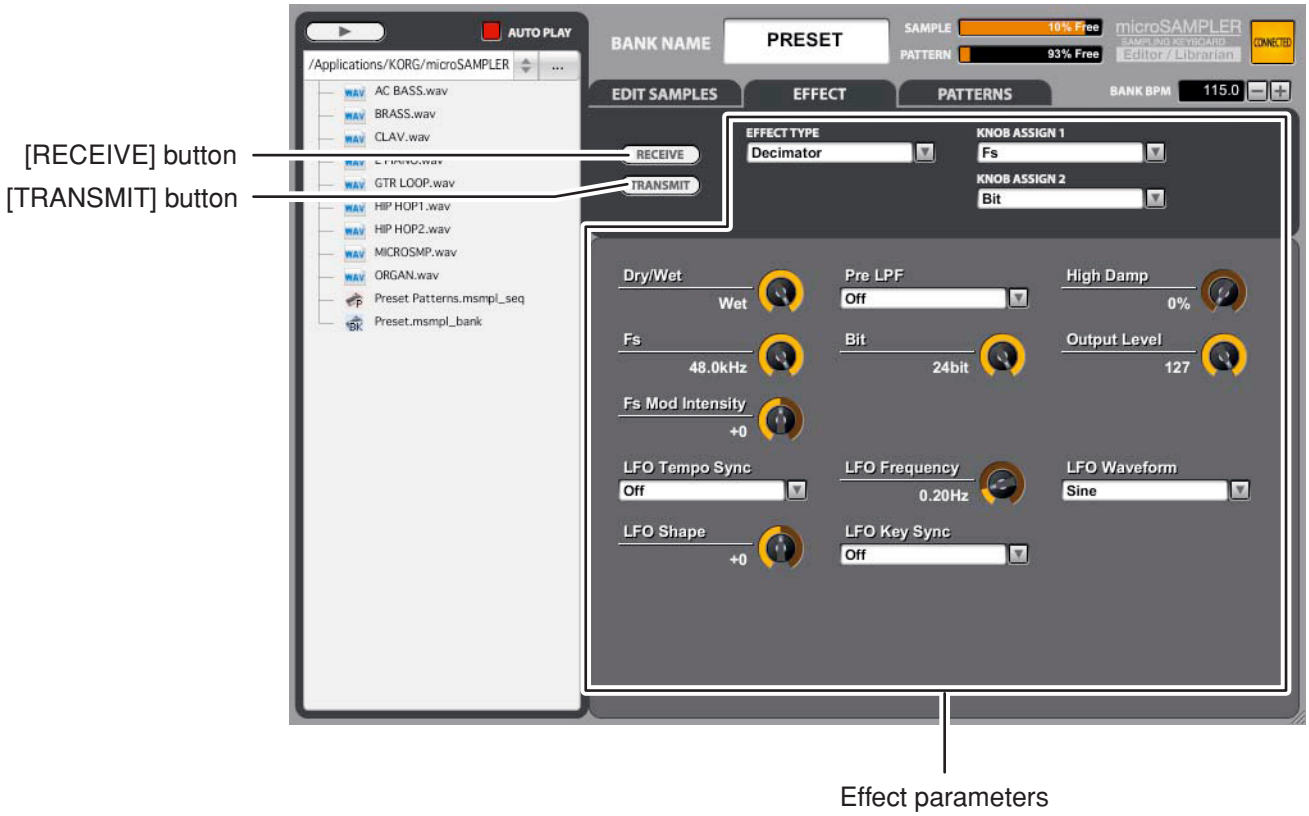
This area displays the waveform of the sample assigned to the selected Sample Select key.
You can select a range of the waveform by clicking and dragging the mouse over the waveform.

Zoom in/out

Enlarge or shrink the size of the sample waveform display.

Effect Edit Page

This page enables you to specify the effect type and various effect parameter settings.



[RECEIVE] button

Initiates the transfer of effect data from the microSAMPLER Editor/Librarian to the microSAMPLER's current bank.

[TRANSMIT] button

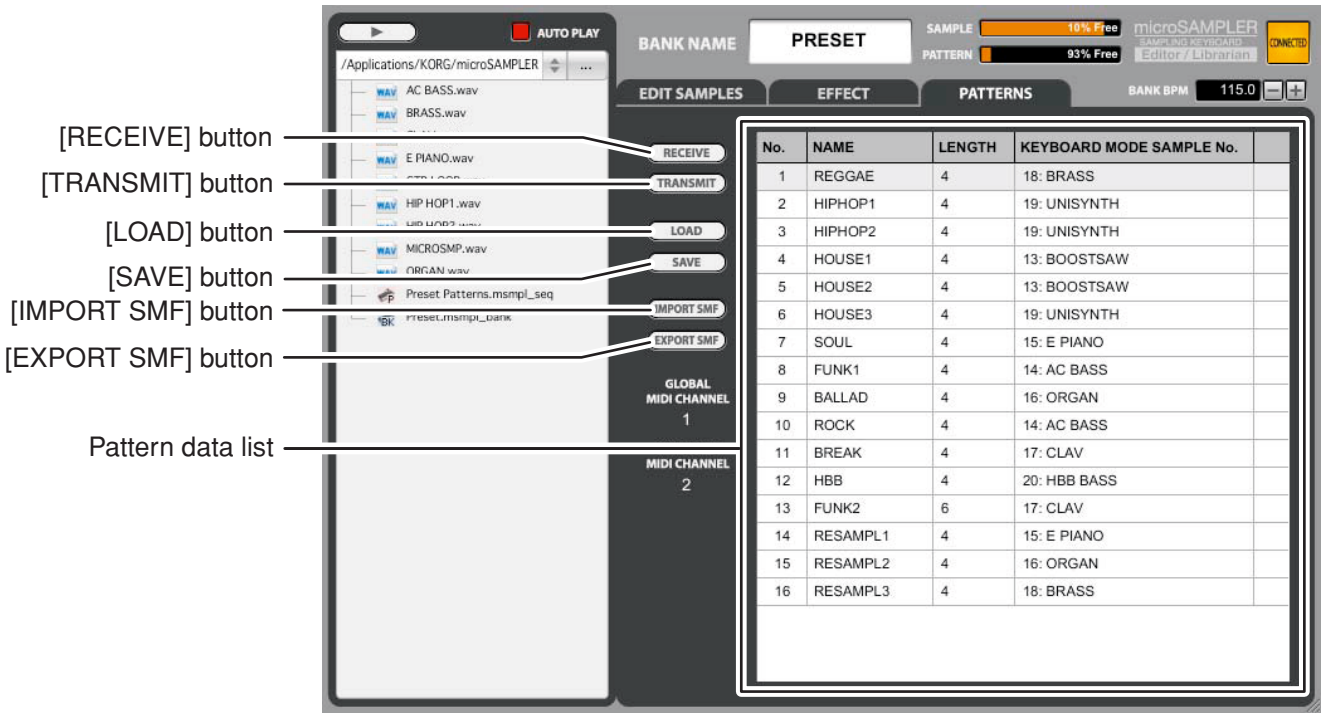
Transmits the effect data from the microSAMPLER's current bank to the microSAMPLER Editor/Librarian.

Effect parameter section

This section displays and enables you to edit the effect type and each effect's parameters.

Pattern Edit Page

The Pattern Edit page enables you to edit and control pattern data.



[RECEIVE] button

Initiates the transfer of data for all 16 patterns from the microSAMPLER Editor/Librarian to the microSAMPLER's current bank.

[TRANSMIT] button

Transmits data for all 16 patterns from the microSAMPLER'S current bank to the microSAMPLER Editor/Librarian.

[LOAD] button

Loads data for all 16 patterns from the Pattern Set file.

[SAVE] button

Saves data for all 16 patterns to the computer as the Pattern Set file.

[IMPORT SMF] button

Imports a Standard MIDI File into the selected pattern.

note The content of the MIDI channel specified by "Global MIDI Channel" under the "microSAMPLER settings" option in the Preference menu will be loaded as pattern data to be used in Sample mode. The content of the MIDI channel specified by "Keyboard MIDI Channel" will be loaded as patterns to be used in Keyboard mode. Program Change messages on the MIDI channel specified as "Keyboard MIDI Channel" will be loaded as sample numbers to be used in Keyboard mode.

[EXPORT SMF] button

Exports data for the selected pattern to the computer as a Standard MIDI File.

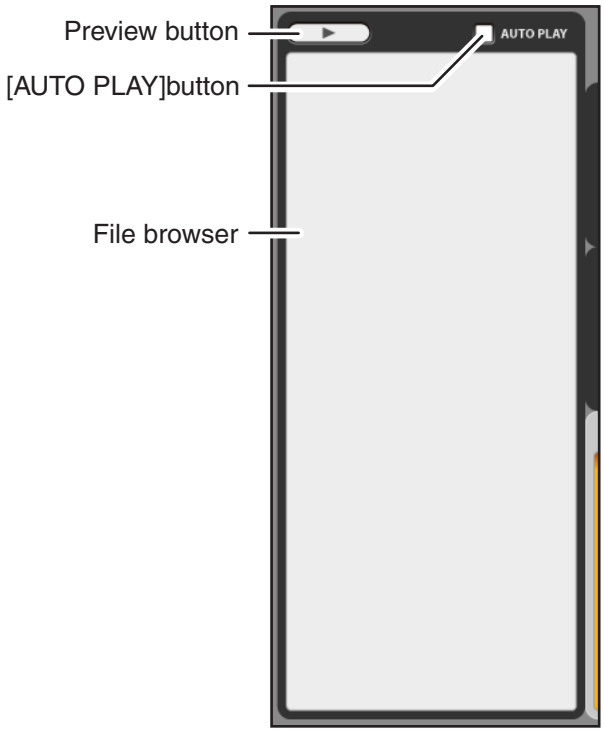
note Patterns to be used in Sample mode will be saved on the MIDI channel specified by "Global MIDI Channel" under the "microSAMPLER settings" option in the Preference menu. Patterns to be used in Keyboard mode will be saved on the MIDI channel specified by "Keyboard MIDI Channel." Sample numbers to be used in Keyboard mode will be saved as Program Change messages.

Pattern data list

This list displays and enables you to edit settings for the 16 patterns.
To swap pattern locations, click on the pattern number, then, drag and drop the pattern data into the desired pattern location.
To copy a pattern, press and hold down the [Ctrl] key in Windows or the [option] key on a Mac, click on the pattern that you would like to copy and drag to another location.

File Browser

The Bank Edit screen enables you to view the hierarchy (tree) of directories (folders) and files on the computer's hard disk.



Preview button

Plays a preview of the audio file selected in the file browser.

[AUTO PLAY] button

Switches the Auto Play function On and Off.
Turn the Auto Play function On to automatically play an audio file when you select the file in the file browser.

File browser

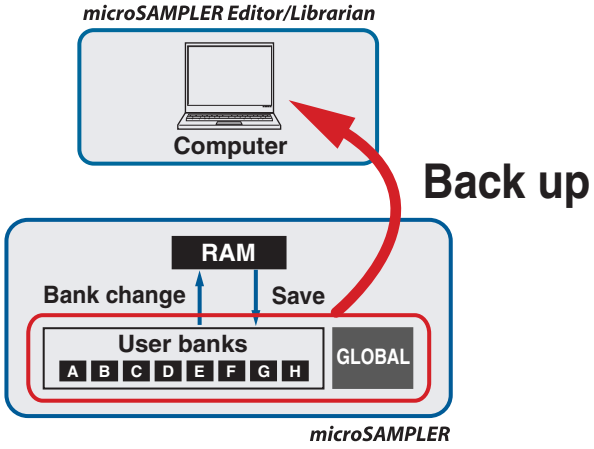
Displays the files on the computer's hard disk.
You can select audio and file trees and import them into the microSAMPLER Editor/Librarian.

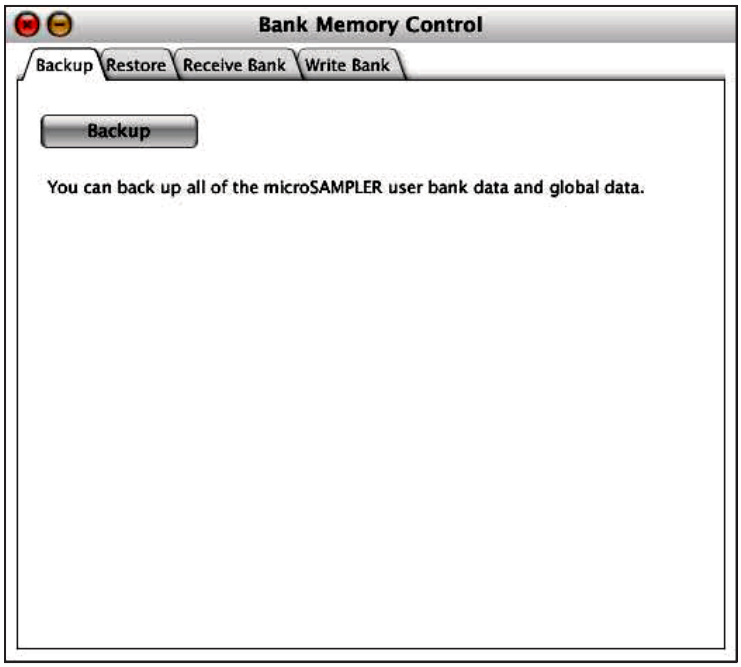
microSAMPLER Bank Memory Control Screen

The microSAMPLER Bank Memory Control screen enables you to back up all of the microSAMPLER data, restore memory on the microSAMPLER using the backup file, and write and receive bank data to and from the microSAMPLER's specified user banks.
To access the Bank Memory Control screen, select "Control Bank Memory" in the "File" menu.

Backup All Data

You can back up all of the microSAMPLER user bank data and global data.



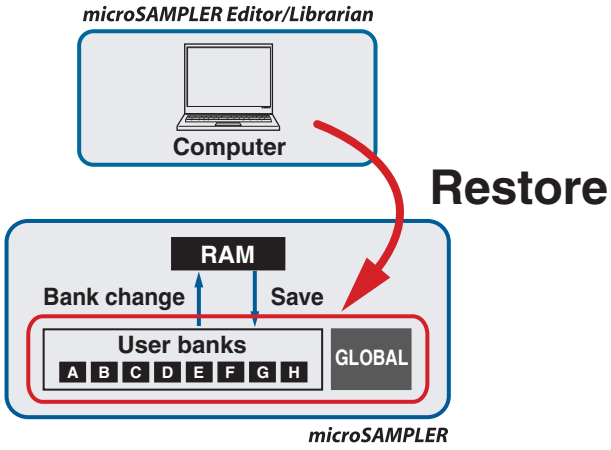


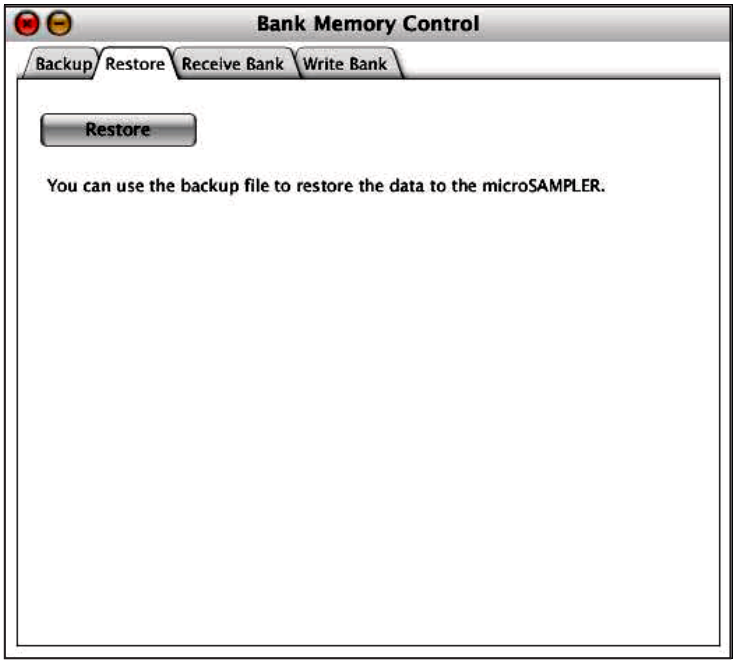
1. Click the [BACKUP] button. A dialog opens to prompt you to select a file.
2. Specify the location where you want to save the data, enter the file name, then click the [SAVE] button.
3. microSAMPLER Editor/Librarian receives global data and data from eight user banks, and saves the data as a backup file in the computer.

Do not touch the microSAMPLER or the microSAMPLER Editor/Librarian during data transfer.

Restore From Backup File

You can use the backup file to restore the data to the microSAMPLER.



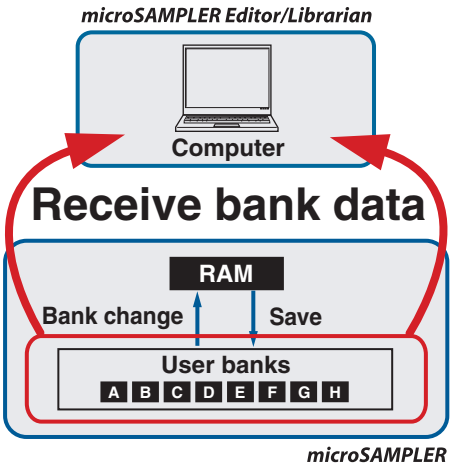


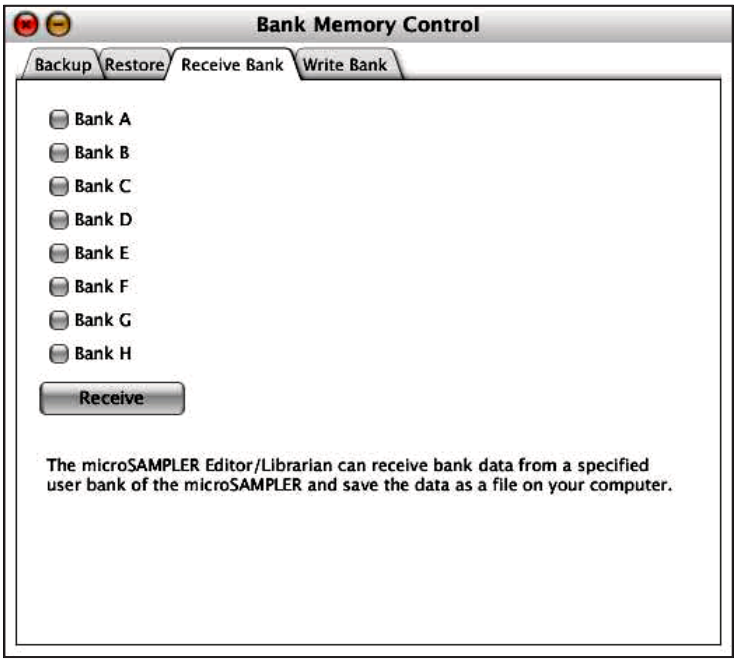
1. Click the [RESTORE] button. A dialog opens to prompt you to select a file.
2. Select the backup file, then click the [OPEN] button.
3. Data for the eight banks and global data will be transmitted to and stored in the microSAMPLER's user banks.

Do not touch the microSAMPLER or the microSAMPLER Editor/Librarian during data transfer.

Receive Bank Data

The microSAMPLER Editor/Librarian can receive bank data from a specified user bank of the microSAMPLER and save the data as a file on your computer.



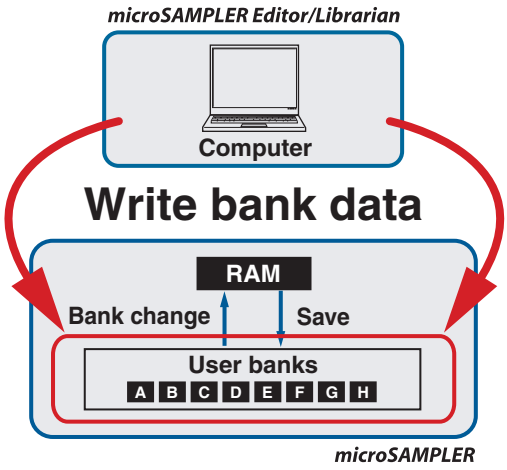


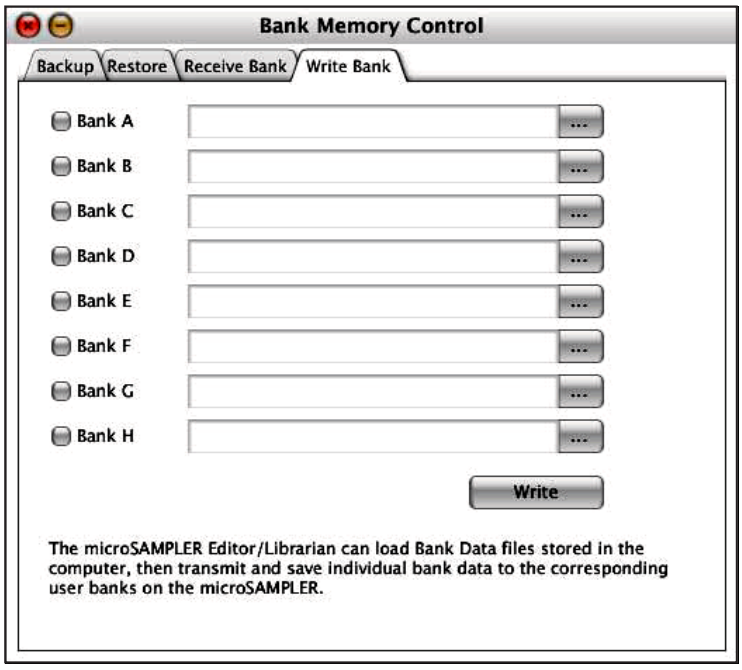
1. Select the button for the microSAMPLER user bank where you want the microSAMPLER Editor/Librarian to receive data from.
2. Click the [RECEIVE] button. A dialog opens to prompt you to specify a file.
3. Specify the location where you want to store the file, enter the file name, then click the [SAVE] button.
4. microSAMPLER Editor/Librarian will receive the bank data from the specified microSAMPLER user bank and save it as a file on your computer.

Do not touch the microSAMPLER or the microSAMPLER Editor/Librarian during data transfer.

Write Bank Data

The microSAMPLER Editor/Librarian can load Bank Data files stored in the computer, then transmit and save individual bank data to the corresponding user banks on the microSAMPLER.





1. Click the file select button located to the right of the file name field. A dialog opens to prompt you to select a file.
2. Select the desired Bank Data file, then click the [OPEN] button.
3. Select the button for the bank containing the data that you wish to save to the microSAMPLER.
4. Click the [WRITE] button.
5. Bank data for the specified bank will be transferred to and saved in the corresponding user bank on the microSAMPLER.

Do not touch the microSAMPLER or the microSAMPLER Editor/Librarian during data transfer.

Preferences

Select “Preferences...” on the “Edit” menu to open the Preferences panel.

General

“Displays an alarm prior to bank data transmission”

Check this box if you would like a prompt to appear when you attempt to transmit bank data to the microSAMPLER.

Knob mode

You can specify your preferred knob operation method.

Linear: Drag the mouse up and down to operate the knobs.
Circular: Drag the mouse in circular motion to operate the knobs.

Audio device

Specifies an audio device tfor all sample playback.

Buffer size

Specifies the buffer size of the selected audio device. If the playback of a preview sample is interrupted, set this size to a higher value. If there is a delay from the time you initiate the sample and when it plays, set this to a lower value.

microSAMPLER Settings

On this tab page, you can set the Global parameters for the microSAMPLER. For more distorted on the Global parameters, please refer to the microSAMPLER Owner’s Manual.

[RECEIVE] button

Loads the Global parameters from the microSAMPLER.

[WRITE] button

Writes the Global parameters to the microSAMPLER.

note You cannot use the microSAMPLER Editor/Librarian to change the “Global MIDI Channel,” “Keyboard MIDI Channel,” “MIDI Routing” and “Memory Protect” settings of the microSAMPLER.

File Types and Description

The following file types can be loaded and saved in microSAMPLER Editor/Librarian:

Type	Description	Extension
Backup file	A set of data for eight banks and global settings.	msmpl_all
Bank Data file	Data for one bank, which includes data for 36 samples, effects and 16 patterns.	msmpl_bank
Sample Data file	Data for one sample, which includes a sample and its parameters.	msmpl_sample
Pattern Set file	Data for 16 patterns	msmpl_seq
Global Data file	Global data	msmpl_glob

Menus

"File" Menu Options

New
Creates new bank data.

Open
Loads bank data from a Bank Data file.

Save
Overwrites a Bank Data file with the bank data currently being edited.

Save As
Save the bank data currently being edited to the computer with a new name.

Refresh File Browser
Updates the file browser to the latest information.

Control Bank Memory
Displays the Bank Memory Control screen.

Close
Closes microSAMPLER Editor/Librarian.

Menu options available when the Sample Edit page is displayed:

Open Sample
Loads sample data from the file.

Save Sample
Saves sample data as a Sample Data file to the computer with a new name.

Export Sample in WAV Format
Exports sample data in WAV format to the computer with a new name.

Export Sample in AIFF format
Exports sample data in AIFF format to the computer with a new name.

Menu options available when the Pattern Edit page is displayed:

Open Pattern Set File
Loads data for 16 patterns from a Pattern Set file.

Save Pattern Set File
Saves data for 16 patterns as a Pattern Set file to the computer with a new name.

Import Pattern Data from SMF

Imports a Standard MIDI File into the microSAMPLER Editor/Librarian.

Export Pattern Data to SMF

Exports pattern data to a Standard MIDI File format with a new name.

"Edit" Menu Options

Undo

Cancels the previous operation.

Redo

Restores the setting to the status obtained prior to the undo operation.

Preferences

Displays the Preferences panel.

Menu options when the Sample Edit page is displayed:

Cut

Cuts the sample data of the selected Sample Select key.

Copy

Copies the sample data of the selected Sample Select key.

Paste

Pastes the cut or copied sample data to the selected Sample Select key.

Clear

Clears the sample data from the selected Sample Select key.

Select All

Selects the entire range of the waveform.

Select Between Start/End Points

Selects the range between the Start and End points in the sample.

Convert Range to Start/End Points

Converts the selected range in the sample into Start and End points.

Menu options available when the Pattern Edit page is displayed:

Cut

Cuts the selected pattern data.

Copy

Copies the selected pattern data.

Paste

Pastes the cut or copied pattern data.

Clear

Clears the selected pattern data.

"Transfer" Menu Options

Receive Current Bank

Receives data from the microSAMPLER's current bank.

Transmit to Current Bank

Transmits bank data from the microSAMPLER Editor/Librarian to the microSAMPLER's current bank.

Menu options available when the Sample Edit page is displayed:

Receive Sample Data

Receives sample data from the microSAMPLER's current bank.

Transmit Sample Data

Transmits sample data from the microSAMPLER Editor/Librarian to the microSAMPLER's current bank.

Menu options available when the Effect Edit page is displayed:

Receive Effect Data

Receives effect data from the microSAMPLER's current bank.

Transmit Effect Data

Transmits effect data from the microSAMPLER Editor/Librarian to the microSAMPLER's current bank.

Menu options available when the Pattern Edit page is displayed:

Receive Pattern Set

Receives a data set of 16 patterns from the microSAMPLER's current bank.

Transmit Pattern Set

Transmits a data set of 16 patterns from the microSAMPLER Editor/Librarian to the microSAMPLER's current bank.

"Help" Menu Option

Version

Displays the version information for the microSAMPLER Editor/Librarian.

Troubleshooting

microSAMPLER Editor/Librarian does not start.

- Make sure that your computer satisfies the system requirements.
- Make sure that no other applications are running.
  If any other application is running, the microSAMPLER Editor/Librarian may fail to start or transfer data. Close all other applications, then check the operation of the microSAMPLER Editor/Librarian.

Data transfer fails.

- Make sure that the connected computer recognizes the microSAMPLER.
  On Windows XP, check this on the "Hardware" tab by selecting [Control Panel -> Sound and Audio Device -> Hardware].
  On Windows Vista, verify this on the "Sound, Video and Game Controllers" tab by selecting [Control Panel -> Hardware and Sound -> Display Hardware and Device -> Device Manager -> Sound, Video and Game Controllers].
  On Mac OS X, check this on the "MIDI Device" tab by selecting [Applications -> Utilities -> Audio MIDI Setting -> MIDI Device]. After making sure that the microSAMPLER is recognized, close the "Audio MIDI Setting" panel.
- In a Windows environment, check to see if the latest Korg USB-MIDI driver has been installed. You can download the driver from the Korg website: http://www.korg.com/
- Check to see if any applications that use MIDI-based communication other than the microSAMPLER Editor/Librarian are running. If such applications are running, microSAMPLER Editor/Librarian will be unable to communicate with the microSAMPLER. Close the microSAMPLER Editor/Librarian and all MIDI-compatible applications, then restart the microSAMPLER Editor/Librarian.
- Make sure that the "GLOBAL" page "PROTECT" setting on the microSAMPLER is turned "OFF." If it is "ON," change the setting to "OFF."
- Check the size of the microSAMPLER data.
  Even if the memory space in the microSAMPLER Editor/Librarian is still available, transmitting sample data and/or pattern data may fail if the current bank on the microSAMPLER has insufficient available memory space. Execute "Transmit to Current Bank" to send the entire bank data from the microSAMPLER Editor/Librarian to the current bank on the microSAMPLER.

No sound

- Make sure that your audio interface satisfies the operational requirements.

Sound skips

- Raise the value of "Buffer Size" on the "Audio Device" page in the Preferences panel. This may improve skipping sound problems.