Using E-A7 Tone Manager

1. Introduction

E-A7 Tone Manager is an application that lets you use your computer to manage libraries of the E-A7's tones and samples, and to edit their parameters. It lets you efficiently manage and edit large numbers of tones on your computer.

The data structure of the E-A7
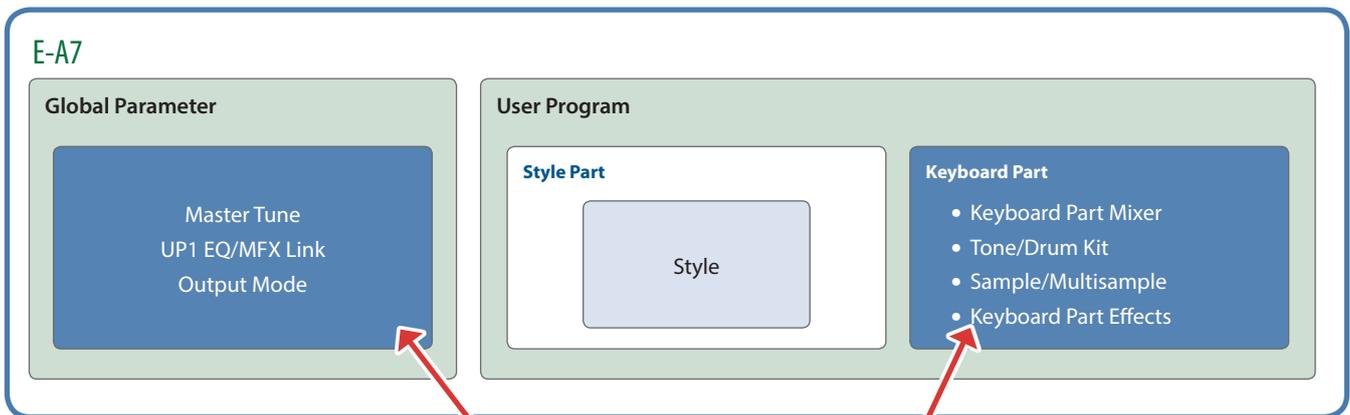
E-A7 Tone Manager lets you manage and edit these portions of the data.

The structure of the Keyboard Parts

For each partial, you can choose from INT, SAMP, or MSAMP.
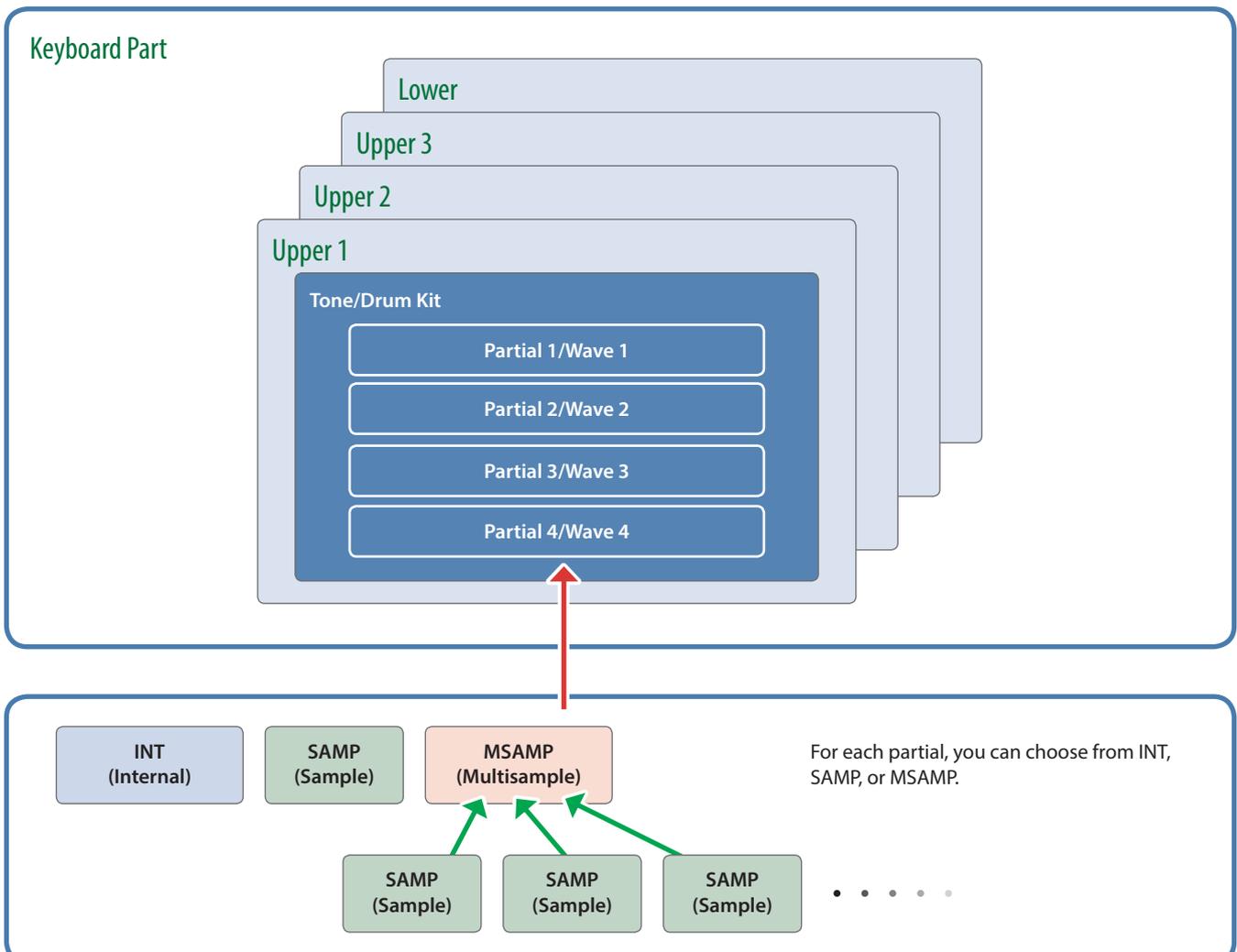
2. Connections and Settings

- E-A7 Tone Manager is available with E-A7 Ver.2.00 or later. Check the version and update your E-A7 if needed.
- Connect the E-A7 and your computer as described in E-A7 owner's manual. E-A7 Tone Manager may not operate correctly if these connections are not made correctly.

2-1. About the E-A7's Screen Indications

While using E-A7 Tone Manager, press the **[Exit]** button so that the left screen and right screen of the E-A7 both show the top page.

If a screen other than the top screen is shown, the system might not work correctly.

Left screen (shows the style name)

Right screen (shows the tone list)

While data is being read or written, the E-A7's display indicates **"PC Mode,"** and it no longer accepts operations.

When reading or writing is completed, the E-A7 automatically returns to its normal state.

If a problem occurs during reading or writing, and the E-A7 does not return from PC Mode, press the **[Exit] button** to return to the normal state.

2-2. Connecting via USB Cable

If the E-A7 is connected to your computer by a USB cable, you must power up the E-A7 before you start up E-A7 Tone Manager.

When using the software for the first time, you must set up MIDI devices using the procedure below.

1. Select "VENDOR" as the USB driver on the E-A7.

[MENU] button → **"Global"** → **"USB Driver"**

* For details on switching the USB driver, refer to the E-A7 reference manual.

2. On your computer, install the USB driver that you downloaded from the Roland website.

3. Start up E-A7 Tone Manager.

4. Click the [System] button to open the dialog box, and for INPUT/OUTPUT DEVICE, choose "Roland Arranger."

> **NOTE**
>
> Do not disconnect the USB cable connected to the E-A7 while E-A7 Tone Manager is running.

2-3. Connecting via MIDI Cables

If you want to connect E-A7 Tone Manager via MIDI cables, you'll also need a MIDI interface.

Using MIDI cables, connect both the MIDI IN and MIDI OUT connectors on the MIDI interface connected to your computer to the MIDI connectors on the E-A7.

Before using E-A7 Tone Manager for the first time, be sure to click the **[System]** button to open the dialog box, then specify the port to which the E-A7 is connected.

3. Overview of the E-A7 Tone Manager

Broadly speaking, E-A7 Tone Manager provides the following three functions.

Librarian

You can copy, add, delete, and rearrange user tones and user drum kits, and edit their name and memo.

You can also read and write tone files for the E-A7.

Editor

You can edit the parameters of a tone/drum kit or the parameters of the keyboard part mixer.

You can also edit the parameters of a user sample or multisample.

Sample Creator

You can import audio files, and create WAV data that can be imported by the E-A7 arranger as user samples.

In addition to editing the parameter settings, you can delete unwanted portions of a sample, and process the sample so that loops are smoothly connected.

> **Audio files that can be imported**
>
> WAV/AIFF/SF2 formats (on Mac OS, CoreAudio compatible files are also included)

There's also a System mode that lets you make settings for E-A7 Tone Manager. To switch between these functions, use the mode buttons located in the upper part of the screen.
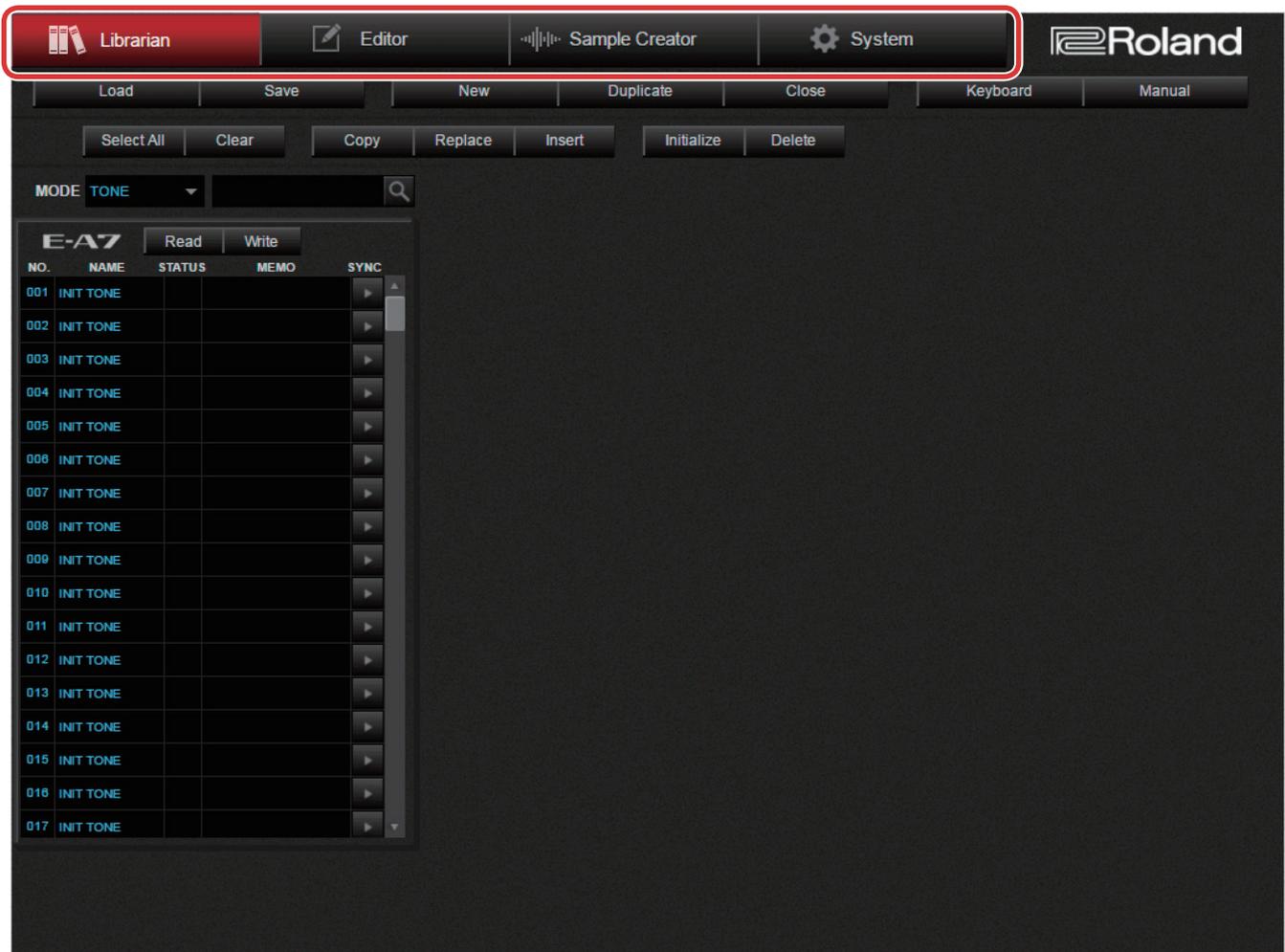
3-1.　Librarian Mode

[Load] button
Loads a sound file. The loaded file is added as a new list in the far right.

[Save] button
Writes the sounds in the list as a library file (*.EAL).

[New] button
Adds a new list.

[Duplicate] button
Duplicates a list, and adds it as a new list.

[Close] button
Closes the list.

[Select All] button
Selects all tones in the list.

[Clear] button
De-selects all tones in the list.

[Initialize] button
Returns all parameters of the selected tone to their default values.

[Delete] button
Deletes the selected tone.
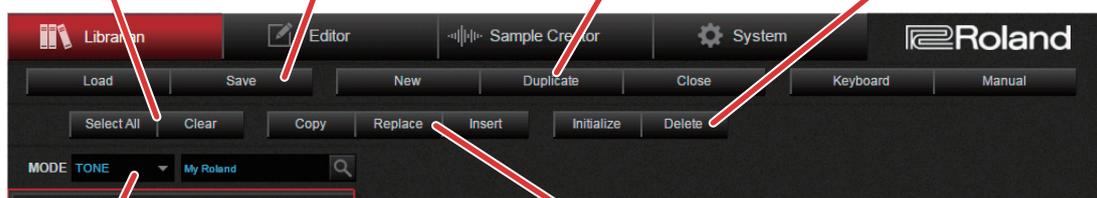
MODE select
Switches the tone/drum kit list.

Finder
Searches for text in the Number, NAME, or MEMO field of the list.

[Copy] button
Copies the currently selected tone ([Ctrl] key + [C] key has the same result). If you execute this in the left-most list, only the parameters are copied; the sample files are not copied.

[Replace] button
Overwrites the copied tone onto the currently selected tone ([Ctrl] key + [R] key has the same result). If you execute this in the left-most list, only the parameters are replaced; the sample files are not replaced.

[Insert] button
Inserts the copied tone below the selected tone ([Ctrl] key + [V] has the same result). If you execute this in the left-most list, only the parameters are inserted; the sample files are not inserted.

Expanding the sound parameters
If you hold down the [Ctrl] key + [Shift] key, and then click a tone, the parameters of the selected tone are expanded, and you'll switch to Editor mode.

[Read] button
Reads the tone of the selected number from the currently-connected E-A7. However, the samples themselves are not loaded.

[Write] button
Writes the tone of the selected number to the currently-connected E-A7. However, the samples themselves are not written.
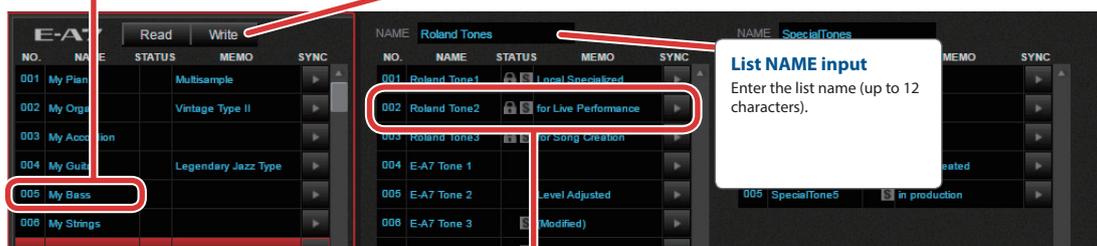
List NAME input
Enter the list name (up to 12 characters).

Tone Number
Click this to select a tone.

You can select a consecutive range of tones by holding down the [Shift] key and clicking.

You can select multiple specific tones by holding down the [Ctrl] key and clicking.

NAME input
Enter the tone name (up to 12 characters).

STATUS
Lock symbol
This is shown if the tone is copy-protected. This tone cannot be used with a different E-A7 unit.

S symbol
This is shown if the tone uses a user sample or multisample.

MEMO input
Enter a memo for each tone (up to 32 characters).

[SYNC] button
Synchronizes the tone to the panel of the currently-connected E-A7. However, the samples themselves are not synchronized.

Add Tone button
Adds a new tone to the end of the list.

4

3-2. Editor Mode

Editor mode has four groups, and each group lets you edit the following content.

Samples group
Lets you edit the parameters of the samples and multisamples.

Tones group
Lets you edit the parameters of the tone or drum kit.

Part group
Lets you edit the Keyboard Part Mixer parameters.

Global group
Lets you edit the global parameters for the sound.

[Read] button
In a single operation, loads the parameters of all four Editor mode groups.

[Sync] button
Synchronizes the edited parameters to the panel of the E-A7.

[Keyboard] button
Opens the keyboard popup; notes that you click are sounded by the E-A7. You can also change the MIDI channel that plays the notes.

Part	Default MIDI Ch
Upper 1	4
Upper 2	6
Upper 3	13
Lower	11

[Manual] button
Opens the PDF manual.

How Editor Mode is structured

Editor Mode

| Samples | Tones | Part (Mixer) | Global |

Edit → Sample
Edit → Multi Sample
Edit → Tone
Edit → Drum Kit
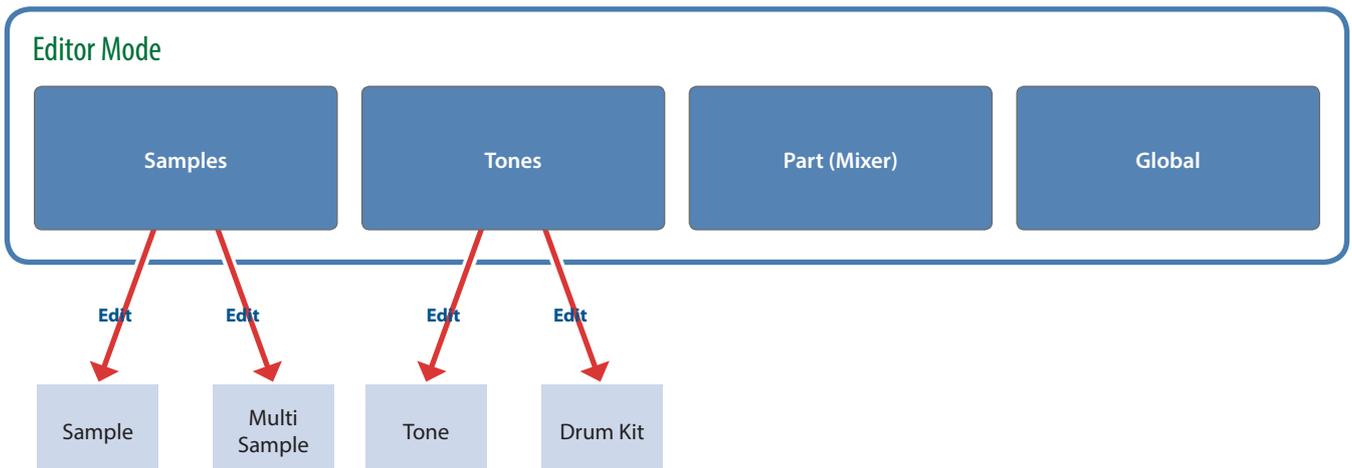
Samples group (Sample screen)

Channel indication
This indicates "S" for a stereo sample and "M" for a mono sample.

[Preview] button
Auditions each sample as it is.

[Write] button
Writes the edited sample to the user sample area of the E-A7.

[Reload] button
Loads the latest sample data from the E-A7.

[Edit] button
Shows the selected sample in the edit window at the right.

[Edit Preview] button
Auditions the currently-edited sample. The sound reflects the parameters as you've edited them.

Sample list
Shows information for all user samples.

Waveform display
This shows the sample name and waveform. You can click Name and enter a name (up to 12 characters).

[Delete] button
Deletes the selected sample.

[Truncate] button
Truncates the selected sample.

Sample capacity
Shows the available space and total used space of the E-A7's user memory.

Samples group (Multisample screen)

MULTISAMPLE NAME
Enter a multisample name (up to 12 characters).

[LIST] button
Displays a list where you can select a multisample.

Channel indication
This indicates "S" for a stereo sample and "M" for a mono sample.

[Preview] button
Auditions each sample as it is.

[Write] button
Writes the edited multisample to the E-A7's multisample area.

[Reload] button
Loads the latest multisample data from the E-A7.

Keyboard and zone display
You can select the key that you want to assign the sample.

By holding down the [Shift] key when you click, you can select multiple keys.

Sample list
Shows information for all user samples.

Zone list
Shows information for the samples/zones that are assigned to the current multisample.

Click to see a keyboard diagram of the zones to which the samples are assigned.

[Assign] button
Assigns the selected sample to the specified zone.

[Erase] button
Erases the selected zone.

[Erase All] button
Erases all zones that are in use.

6

Tones group (Tone screen)

Part select
Switch the part that you're editing.

Type select
Switch the part type between tone and drum kit.

Parameter Group select
Select the parameter group that you want to edit.

[Initialize] button
Initializes the parameters of the selected partial.

[Copy] button
Copies the parameters of the specified source partial to the specified destination partial.

[Write] button
Writes the current tone to the user tone of the currently connected E-A7.

TONE name
Enter the tone name (up to 12 characters).

[LIST] button
Selects a tone from each category. Tones that can be edited are indicated by "YES" in the Editable field.

Tones group (Drum Kit screen)

Part select
Switch the part that you're editing.

Type select
Switch the part type between tone and drum kit.

Parameter Group select
Select the parameter group that you want to edit.

[Initialize] button
Initializes the parameters of the selected drum instrument.

[Copy] button
Copies the parameters of the specified source drum instrument to the specified destination drum instrument.

[Write] button
Writes the current drum kit to the user drum kit of the currently connected E-A7.

DRUM INST NAME
Enter the drum instrument name (up to 12 characters).

DRUM INST [LIST] button
Shows a list of the drum instruments that are assigned to each key. You can select the key that you want to edit.

DRUM KIT NAME
Enter the drum kit name (up to 12 characters).

DRUM KIT [LIST] button
Selects a drum kit from the tone group. Drum kits that can be edited are indicated by "YES" in the Editable field.

Part group

Parameter Group select
Select the parameter group that you want to edit.

[Initialize] button
Initializes the parameters of the selected part.

[Copy] button
Copies the parameters of the specified source part to the specified destination part.

[Write] button
Writes the part parameters as the user program to the currently connected E-A7.
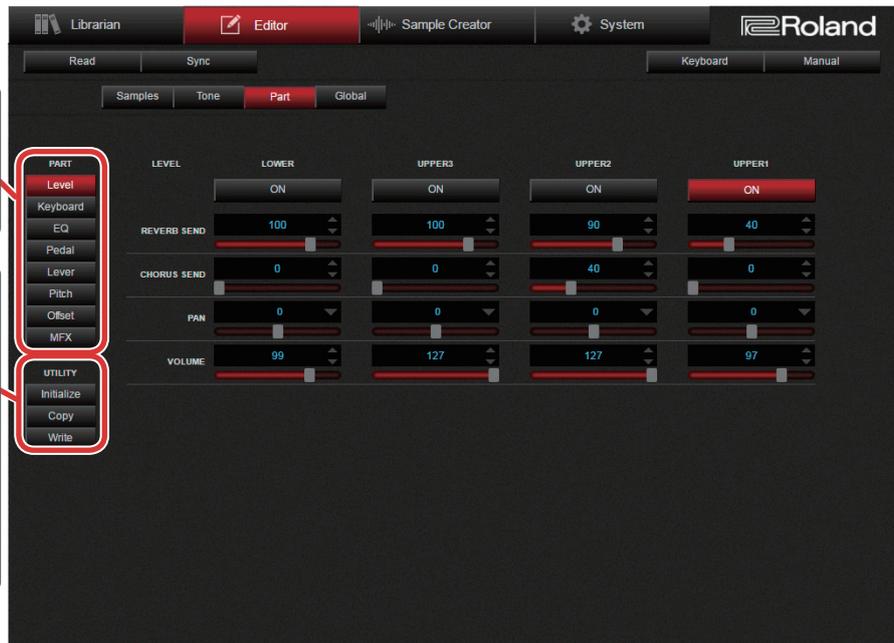
Global group

Global Parameter
Directly rewrite the global parameter settings of the currently-connected E-A7.
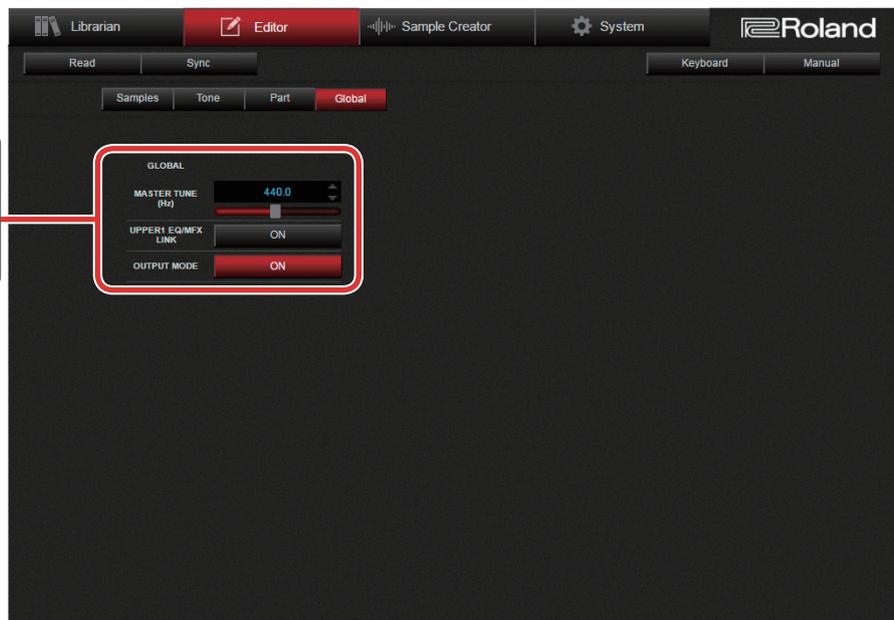
3-3. Sample Creator Mode

[Load] button
Loads the audio file that you want to edit.

[Save] button
Saves the edited sample.

[Export] button
Exports the edited sample to a USB flash drive so that it can be imported by the E-A7.
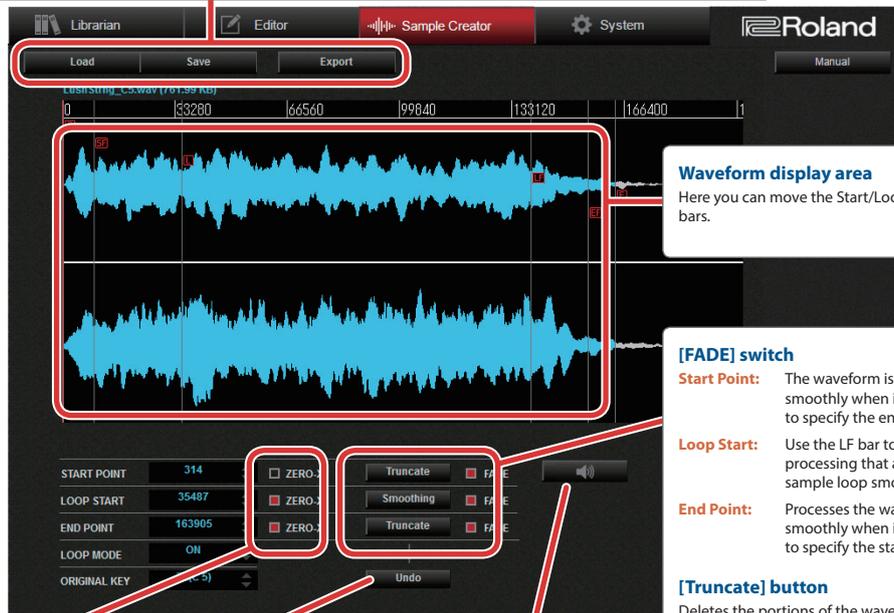
Waveform display area
Here you can move the Start/Loop/End/Fade point display bars.

[FADE] switch

Start Point: The waveform is processed so that it starts smoothly when it is truncated. Use the SF bar to specify the end point of the processing.

Loop Start: Use the LF bar to specify the start point of the processing that applies smoothing to make the sample loop smoothly.

End Point: Processes the waveform so that it ends smoothly when it is truncated. Use the EF bar to specify the start point of the processing.

[Truncate] button
Deletes the portions of the waveform that are before the start point or after the end point; this reduces the size of the sample.

[Smoothing] button
Processes the waveform so that the loop is connected smoothly.

You'll need to turn on the Loop Start [FADE] switch.

[ZERO-X] switch
When setting the Start/Loop/End points, this switch makes the value jump to "zero-crossing" points where the waveform level is zero.

[Undo] button
Lets you undo up to three Truncate or Smoothing operations.

[Preview] button
Auditions the currently-edited sample. The sound reflects the parameters as you've edited them.

3-4. System Mode

Lets you select, connect, or disconnect MIDI devices, and shows the software version number of E-A7 Tone Manager.
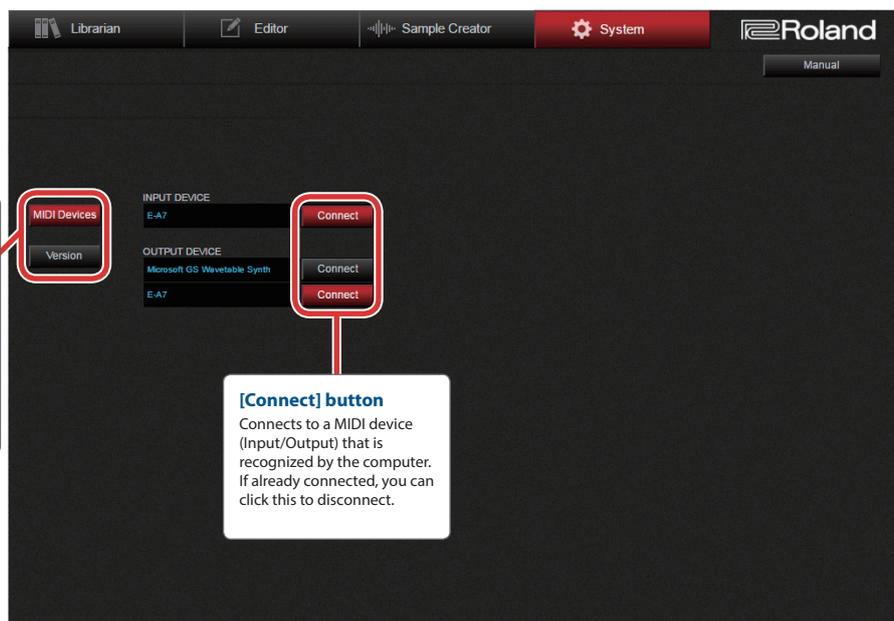
[MIDI Devices] button
Shows the MIDI devices (Input/Output) that are recognized by the computer.

[Version] button
Shows the software version number of E-A7 Tone Manager.

[Connect] button
Connects to a MIDI device (Input/Output) that is recognized by the computer. If already connected, you can click this to disconnect.

4. Usage Examples (Specific Workflows)

4-1. Reading Sounds from or Writing Sounds to the E-A7

1 **Select Librarian mode.**

⬇

2 **In the left-most list, select one or more user tone or user drum kit locations.**

If you want to select more than one location, click while holding down the **[Ctrl] key**; if you want to select a contiguous range, click while holding down the **[Shift] key**.

⬇

3 **To read the sounds from the E-A7, click the [Read] button.**

The list shows the names of the sounds that were read.

⬇

4 **To write the sounds to the E-A7, click the [Write] button.**
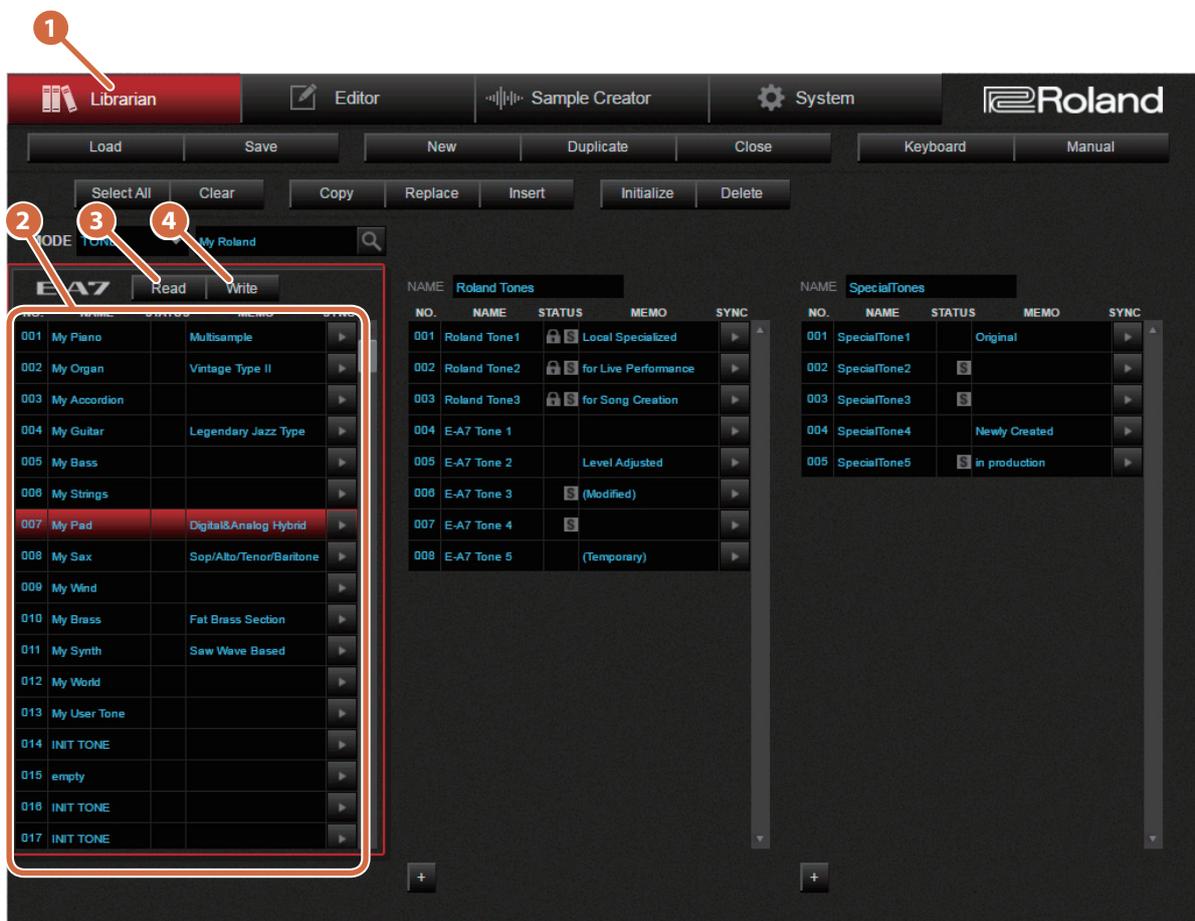
4-2. Loading/Saving E-A7 Sound Files

E-A7 Tone Manager can load or save the following files.

Load

- Sound library files (.EAL)
- Sound files created by the E-A7 arranger's Backup function (ea7bkup_snd.SVD)
- User Tone files (.UST)
- User Drum Kit files (.UDK)

Save

- Sound library files (.EAL)

Loading files

1 **Select Librarian mode.**

⬇

2 **Click the [Load] button, and select the sound file that you want to load.**

⬇

3 **A list of the loaded sounds is added at the far right.**
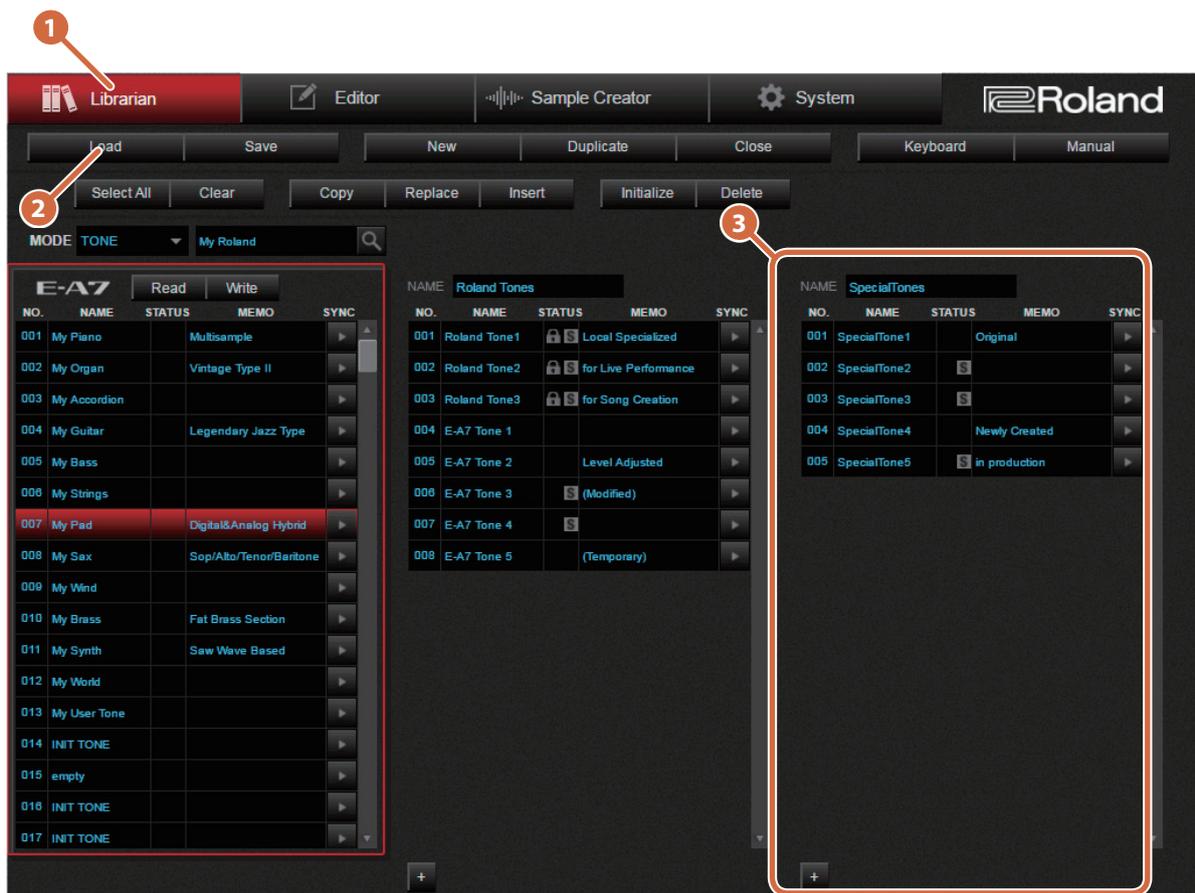
Saving files

1 **Select Librarian mode.**

↓

2 **Select the sound library that you want to save.**

↓

3 **Click the [Save] button**, specify the file name and save-location, and save the sound library file.
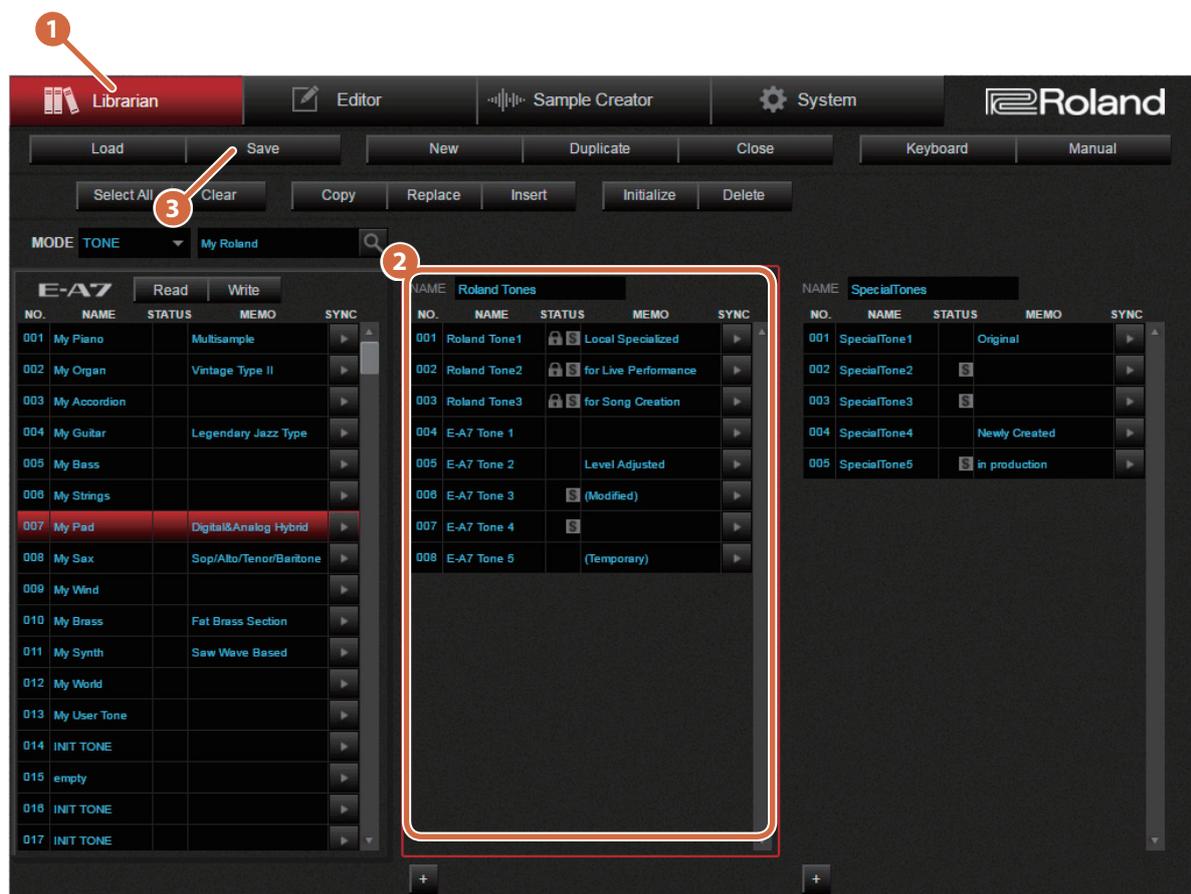
4-3. Copying/Replacing/Inserting/Initializing/Deleting a User Tone or Drum Kit

Here's how to copy, replace, insert, initialize, or delete a user tone or drum kit.

1 Select Librarian mode.

⬇

2 In the sound list, select the applicable user tone or drum kit.

⬇

3 Click the desired item to edit the list.

You can also copy by dragging and dropping a user tone or drum kit number.

NOTE

If you copy/replace/insert tones in the left-most list, only the parameters are excuted; the sample files are not executed.

4-4.   Renaming a User Tone / Entering a Memo

1 **Select Librarian mode.**

⬇

2 **Select the NAME or MEMO field of a user tone or drum kit, and enter the desired name or memo.**

⬇

3 **Press the [Save] button, enter the file name and save-location, and save the sound library file.**

4-5.   Editing Sample Parameters

1 **Select Editor mode.**

　↓

2 **Click the [Samples] button and then the [Sample] button.**

　↓

3 **In the sample list, select the sample that you want to edit, and then click the select button.**

　↓

4 **Edit the parameters.**

　↓

5 **When you've finished editing, click the [Write] button, specify the save-location, and save the sample to the E-A7.**

4-6. Editing a Multisample

1 **Select Editor mode.**

⬇

2 **Click the [Samples] button and then the [Multisample] button.**

⬇

3 **From the [LIST] button, select the multisample that you want to edit.**

⬇

4 **Specify the keyboard region, and select the sample that you want to assign.**

⬇

5 **Click the select button to assign the sample to the multisample.**

⬇

6 **When you've finished editing, click the [Write] button, specify the save-location, and save the multisample to the E-A7.**
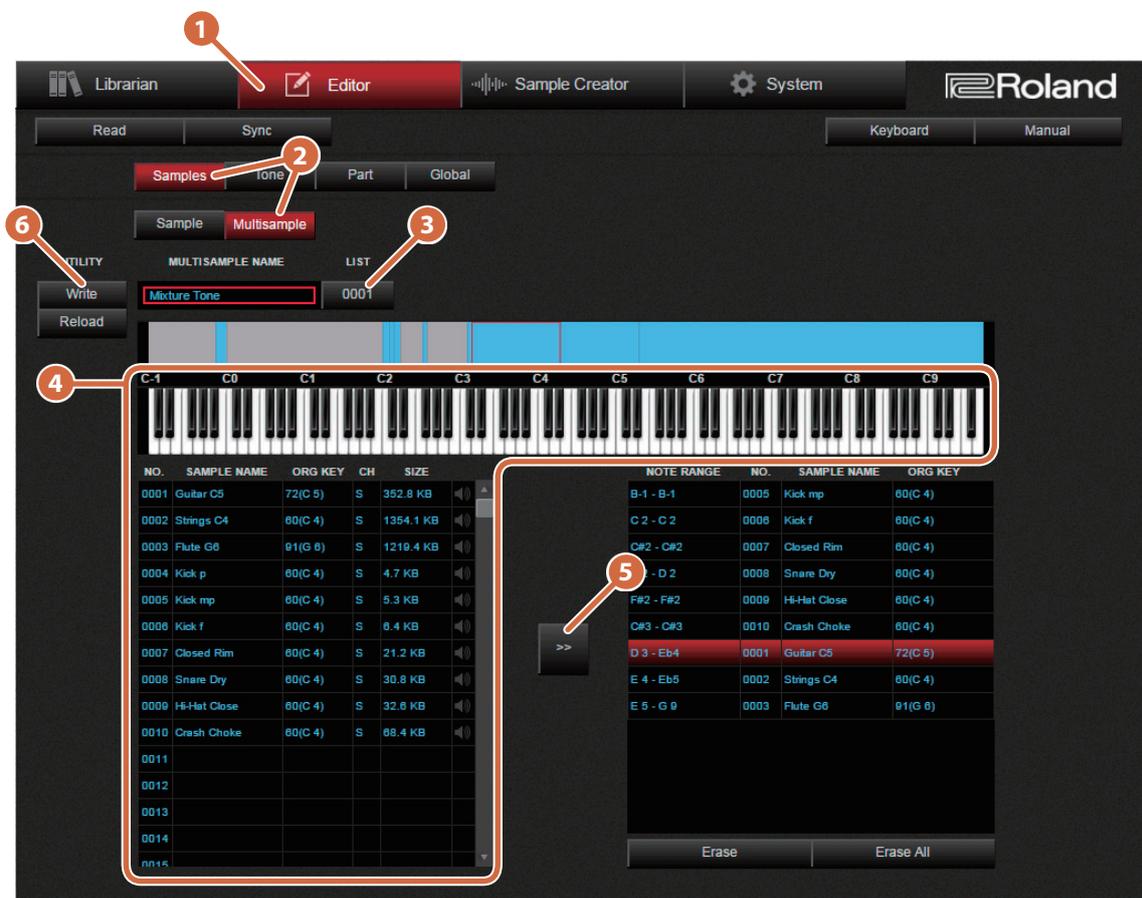
4-7. Editing a Tone/Drum Kit

1 **Select Editor mode.**

⬇

2 **Click the [Tones] button, and select the part that you want to edit.**

⬇

3 **Switch between Tone and Drum Kit.**

⬇

4 **From the [LIST] button, select the sound that you want to edit.**

⬇

5 **Select the desired group and item, and edit the parameters.**

⬇

6 **When you've finished editing, click the [Write] button, specify the save-location, and save the tone or drum kit to the E-A7.**
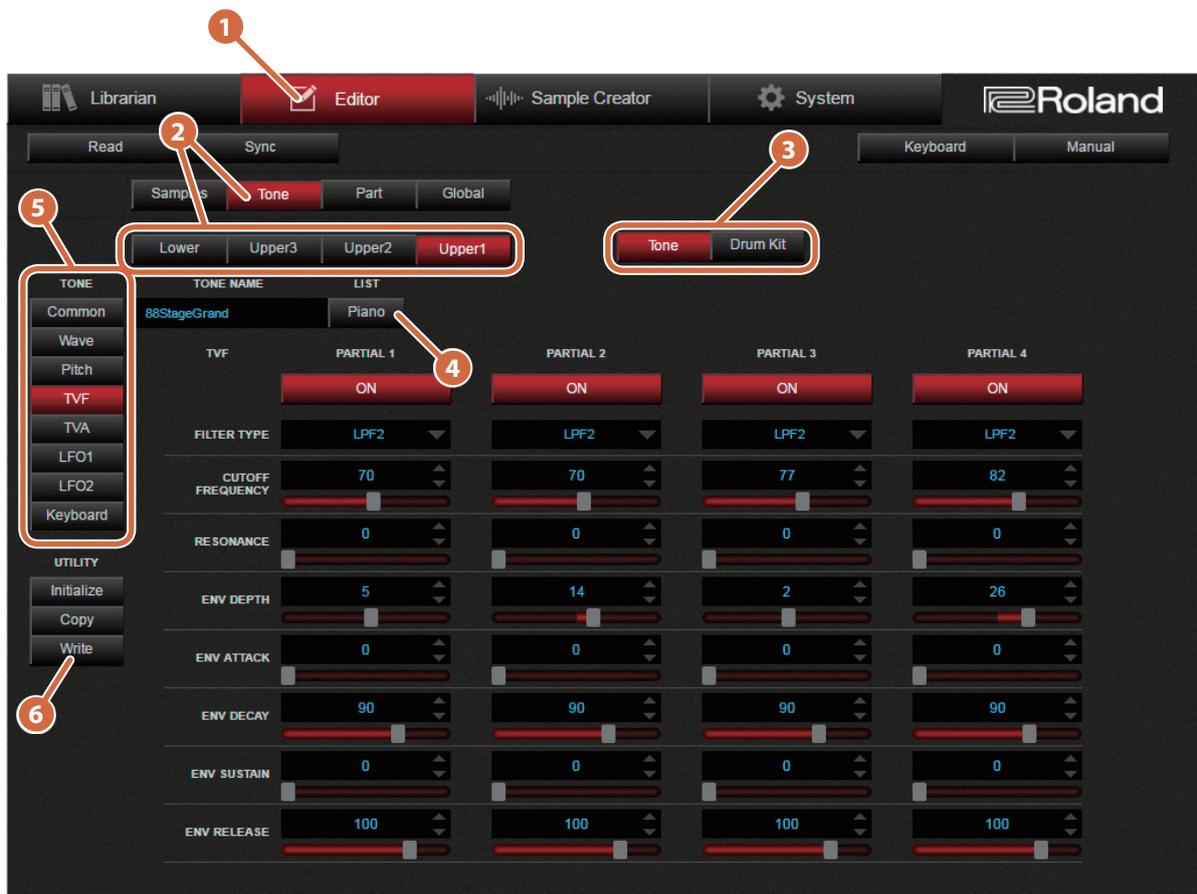
4-8. Editing Part/Global Parameters

1 **Select Editor mode.**

⬇

2 **Click the [Part] button or the [Global] button.**

⬇

3 **Select the desired group and item, and edit the parameters.**

⬇

4 **When you've finished editing, click the [Write] button to save the edited content to the E-A7.**

In the case of Part parameters: Parameters are saved as a User Program. Enter a name, and specify whether to overwrite or to add as a new item.

In the case of Global parameters: Parameters are written directly to the E-A7.
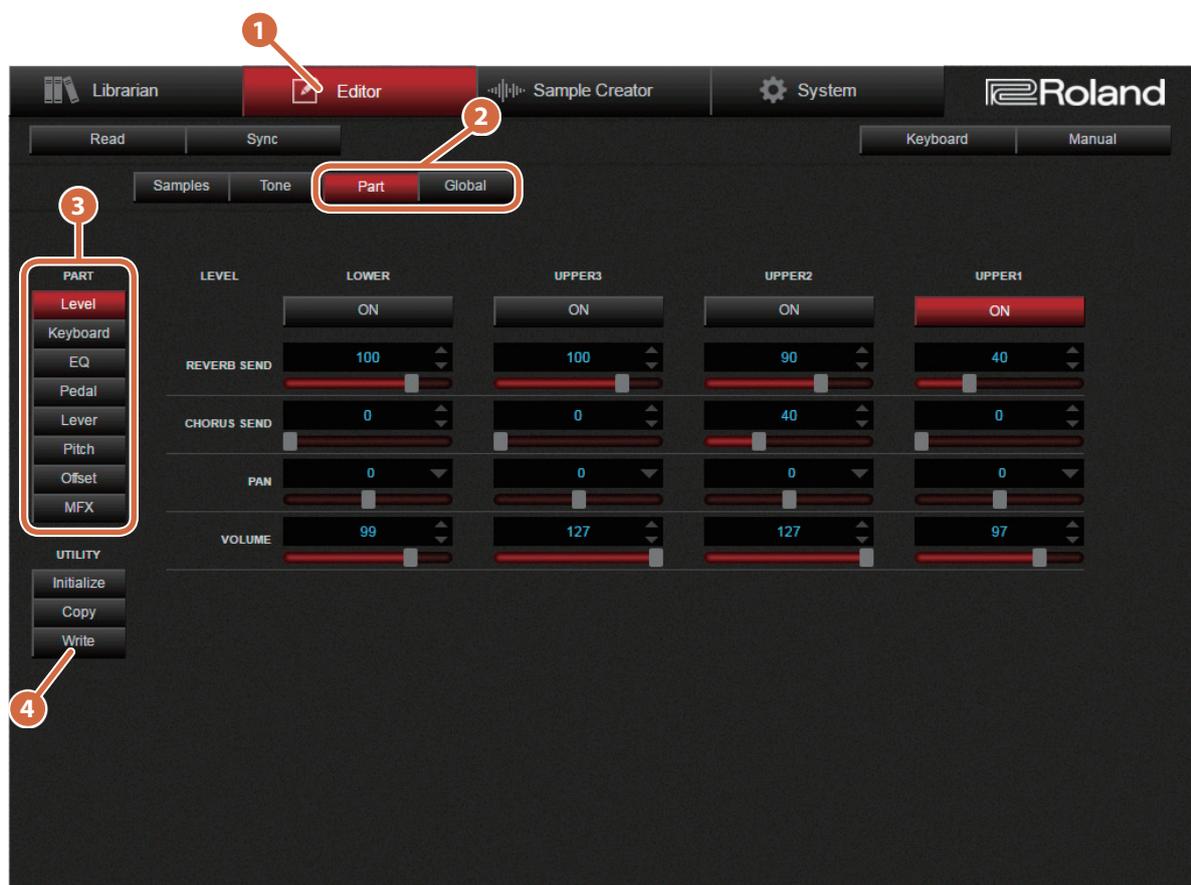
4-9. Creating Samples to Import into the E-A7

1 **Select Sample Creator mode.**

⬇

2 **Click the [Load] button and specify the audio file that you want to load.**

⬇

3 **Edit the sample's waveform and parameters.**

⬇

4 **When you've finished editing, click the [Save] button, specify the name and save-on, and save the sample as a WAV file.**

⬇

5 **If you want to import the sample into the E-A7, connect your USB flash drive to the computer, and click the [Export] button to export the sample.**

You can connect this USB flash drive to the E-A7 and directly select the sample that you want to import.