G7.1ut Editor / Librarian Operation Manual



Contents

Introduction 2
Preparations 2
Starting G7ED
Connecting the G7.1ut to the Computer
Switching G7ED to Online Operation
Sending/Receiving G7.1ut Patch Data 4
Receiving a Patch Set from the G7.1ut (Receive All) 4
Sending a Patch Set to the G7.1ut (Send All)
Managing Patch Data on the Computer 7
About the Librarian Window
Using the Librarian Window 8
Export/Import of a Patch Set as a File
Managing Single Patches/Modules
Editing Patch Data on the Computer 14
About the Editor Window
<u>Using the Module Windows</u>
Editing a Single Patch

© ZOOM Corporation

Reproduction of this manual, in whole or in part, by any means, is prohibited.

- Windows and Windows XP are registered trademarks of Microsoft Corporation.
- * Product names, registered trademarks, and company names mentioned in this manual are the property of their respective owners.
- * Company names and product names mentioned in this manual are trademarks or registered trademarks of their respective owners.



ZOOM CORPORATION

ITOHPIA Iwamotocho 2chome Bldg. 2F, 2-11-2, Iwamoto-cho, Chiyoda-ku, Tokyo 101-0032, Japan Web Site: http://www.zoom.co.jp

Introduction

The ZOOM G7.1ut Editor/Librarian (subsequently called "G7ED" in this manual) is an editor/librarian software package developed specifically for use with the G7.1ut. It allows transfer of G7.1ut patch data to a computer for editing and storage. Using knobs and buttons shown on the computer screen, it is also possible to directly edit the patch currently selected at the G7.1ut.

Preparations

This section explains how to make basic settings for G7ED.

■ G7ED operating environment

- Computer running Windows XP (Service Pack 2 installed)
- .NET Framework 1.1

In order to use G7ED, a Windows component called ".NET Framework 1.1" supplied by Microsoft must first be installed on the computer. For instructions on how to install this component, see the PDF file ".NET Framework Installation Guide" supplied with this manual.

MIDI input/output device (USB based MIDI interface or similar)
G7ED uses both the MIDI IN and MIDI OUT connectors of a MIDI interface connected to the computer for sending and receiving data.

Starting G7ED

Start the G7ED software as follows.

Click the [Start] button and select [All Programs] → [ZOOM] → [G7ED] → [G7.1ut Editor Librarian].

G7ED starts up.

2. To terminate G7ED, access the App menu and select "Exit".

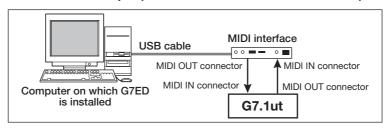
HINT

You can check the G7ED version by accessing the Help menu and selecting "About...". Selecting "ZOOM Home Page" automatically brings up your browser and accesses the web site of ZOOM Corporation. The latest version information can be found on the web site.

Connecting the G7.1ut to the Computer

Connect the G7.1ut to the MIDI interface of the computer, using two MIDI cables as shown below.

Connection example (MIDI interface with USB connection)



NOTE

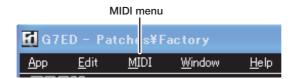
It is not possible to send and receive MIDI messages via the USB port of the G7.1ut.

Switching G7ED to Online Operation

Proceed as follows to select the MIDI port for send/receive to enable data transfer between G7ED and the G7.1ut. (This sets the G7ED to the online condition.)

1. Connect the G7.1ut and the MIDI interface and then start up the G7ED software.

Also make sure that power to the G7.1ut is turned on.



2. Access the MIDI menu. In the "MIDI IN" and "MIDI OUT" submenus, select the MIDI port to which the G7.1ut is connected.

A check mark is shown to the left of the currently selected MIDI port name.

NOTE

If the MIDI interface does not appear in the "MIDI IN" and "MIDI OUT" submenus, the MIDI interface may not be properly recognized by the computer. Refer to the documentation of the MIDI interface and make sure that all settings have been made correctly.

3. To switch G7ED to the online state, click the On Line button so that it appears lit.



Data transfer between G7ED and the G7.1ut is now enabled.

If a dialog box with an error message appears on the computer screen, or if data transfer cannot be carried out although the On Line button is available, check all connections and the MIDI port settings again.

HINT

Another way of switching to the online state is to select "OnLine" from the MIDI menu.

Sending/Receiving G7.1ut Patch Data

Patch data can be transferred between G7ED and the G7.1ut in units of 80 patches (all patches of the user area). A set of 80 patch data is called a "patch set". This section describes how to send and receive patch sets between G7ED and G7.1ut.

NOTE

With G7ED, it is not possible to receive a single patch from the G7.1ut or overwrite a single patch in the G7.1ut.

Receiving a Patch Set from the G7.1ut (Receive All)

G7ED can be used to receive patches stored on the G7.1ut in the computer. After receiving, the patches can be edited while monitoring the sound edited individually. The result can then be written as a file on the computer.

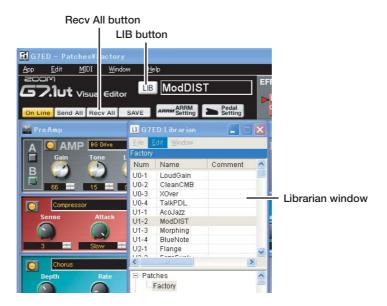
HINT

The received patch set is automatically saved on the hard disk of the computer, and will be recalled the next time G7ED is started up.

1. Start G7ED and set it to the online state.

2. Verify that the Librarian window is shown.

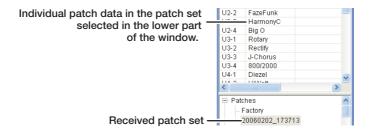
If the Librarian window is not shown, click the LIB button to bring it up.



3. To receive a patch set from the G7.1ut, click the Recv All button.

The receive process starts and a dialog box indicating the receive progress appears. To cancel the receive process, click the Abort button.

The received patch set can be checked in the Librarian window that serves for managing patch and module data. For details, see the section "Managing Patch Data on the Computer" (→ p. 7).



The lower part of the Librarian window shows patch sets in a hierarchical tree structure. A "+" in front of a name indicates that there is another level below it.

HINT

- If a dialog box with an error message appears, or if the receive process does not start, check the connections and MIDI settings, referring to the section "Preparations" (→ p. 2).
- For information on how to save a received patch as a file on the computer, see the section "Export/Import of a Patch Set as a File" (→ p. 9).

Sending a Patch Set to the G7.1ut (Send All)

You can send any patch set from G7ED to the G7.1ut. This will overwrite all patches in the user area of the G7.1ut.

- 1. Start G7ED and set it to the online state.
- 2. Verify that the Librarian window is shown.

If the Librarian window is not shown, click the LIB button to bring it up.



3. From the "Patches" level in the lower part of the Librarian window, select the patch set to send to the G7.1ut by clicking on it.

All patch sets that can be sent to the G7.1ut are saved in the "Patches" level.

4. After selecting the patch set, click the SendAll button.

The SendAll window with instructions for sending a patch set appears.

- 5. As described on the SendAll window, perform the following steps at the G7.1ut.
 - (1) Set the G7.1ut to play mode.
 - (2) Press the [AMP SELECT/SYSTEM] key.
 - (3) Use the [TYPE] knob to bring up the "BulkDumpRX" (bulk dump receive) parameter on the display.



(4) Press the [PAGE] key.

The G7.1ut switches to standby mode for receiving patch data.

6. To carry out the patch set send process, click the Execute button in the SendAll window.

The send process starts and the progress is shown in the SendAll window. To cancel the send process, click the Abort button.

NOTE

If a MIDI error message indicates that send/receive failed, double-check the G7.1ut settings and then repeat the operation.

When the send process is finished, the Close button appears in the SendAll window. Click the button to close the window.

The patches in the user area of the G7.1ut have now been overwritten by the patch set of the G7ED selected in step 3.

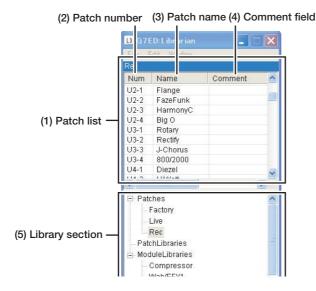
7. Press the [EXIT] key to return the G7.1ut to the play mode.

Managing Patch Data on the Computer

Using the Librarian window, a patch set received from the G7.1ut can be renamed, and a backup can be saved as a file on the computer. Settings for single patches and single modules can be individually saved.

About the Librarian Window

This section describes the various elements of the Librarian window.



(1) Patch list

Shows all patches that belong to the patch set selected in the lower part of the Librarian window.

(2) Patch number

This number corresponds to the group name/bank number/patch number of the user area in the G7.1ut.

(3) Patch name

Indicates the patch name.

(4) Comment field

Shows a comment that has been assigned to the individual patch.

(5) Library section

This section serves for saving and loading patch sets received by G7ED and for saving and loading individual patches and modules.

The Library section comprises the following three items.

Patches

This is the level for saving patch sets received from the G7.1ut. Each patch set saved in this level consists of 80 patches, the same number as the patches in the user area of the G7.1ut. When you click on a patch set, a list of all patches in this set appears in the patch list in the top part of the window.

PatchLibraries

ModuleLibraries

These levels serve for saving settings for individual patches and individual modules. For details, see the section "Managing Single Patches/Modules" (\rightarrow p. 10).

HINT

The Library section has a hierarchical tree structure. A "+" in front of a name indicates that there is another level below it.

Using the Librarian Window

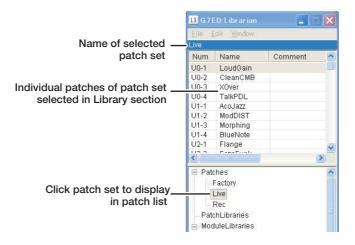
This section describes how to manage patch sets and single patches in the Librarian window.

1. Click on the Librarian window to bring the window to the foreground.

If the Librarian window is currently not displayed, click the LIB button to bring it up.

2. In the "Patches" level of the Library section, click on the patch set to display in the patch list.

The 80 patches of the selected patch set are shown in the patch list.



HINT

- When G7ED is first started, the "Patches" level contains a patch set named "Factory". This patch set has the same content as the 80 patches in the user area of the G7.1ut in the factory default condition.
- To change the name of a patch set, right-click on the name and select "Rename" from the menu that appears.
- To delete a patch set, right-click on the name and select "Delete" from the menu that appears. If only one patch set is displayed, this is not possible.

3. To select a different patch in the patch list, click on it.

When a patch is selected, its settings appear in the Editor window. The settings in the Editor window are also sent to the G7.1ut and any changes are reflected at the G7.1ut. This lets you check the sound of the patch at the G7.1ut.

NOTE

Keep in mind that the changed sound of a patch is not permanent. When you select another patch at the G7.1ut or with G7ED, the changes are lost.

HINT

When you have changed a patch in the Editor window, you can save the changes by overwriting the original patch in the patch list. For details, see "Editing Patch Data on the Computer" (\rightarrow p. 14).

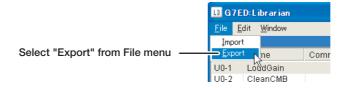
Export/Import of a Patch Set as a File

A patch set that was received by G7ED can be saved as a file on the hard disk of the computer. A saved patch set can then be reloaded later at any time, to add it to the patch sets available within G7ED. This is convenient for creating backups of patch sets on external media and for exchanging patch sets with other users.

Exporting a patch set as a file

This section explains how to write a patch set as a file to the computer.

- 1. In the Library section of the Librarian window, click on the patch set that you want to save.
- 2. Access the File menu of the Librarian window and select "Export".



The Export window for selecting a file name and target location appears.

3. After selecting the file name and target location, click the "Save" button to write the file.

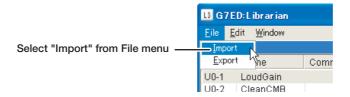
When the file writing process is complete, a dialog box appears. Click "OK" to close the dialog box.

Once a patch set has been saved as a file, it can be restored at any time, even if it was deleted within G7ED.

■ Importing a patch set from a file

This section explains how to load a patch set into G7ED from a file saved on the computer.

1. Access the File menu of the Librarian window and select "Import".



The Import window for selecting a file appears.

NOTE

If the desired file name does not appear in the window although the location is correct, set the file type to "all (*.*)".

2. After the file has been selected, click the "Open" button to import the patch set.

The patch set is added to the Library section of the Librarian window.

HINT

After a patch set has been imported, it will be shown on the "Patches" level also the next time G7ED is started. The import process therefore has to be carried out only once.

Managing Single Patches/Modules

In G7ED, the settings for single patches or single modules are handled in another hierarchical level called a "category". This allows you to quickly access one or several favorite patches without having to look for them in the patch list every time, or to reuse certain module settings as often as desired. The settings for individual patches or modules can be saved as a file on the hard disk of the computer.

Saving/recalling a single patch or module

To save setting data for single patches or modules, a special hierarchical level called a category is created. Recalling setting data is also performed in category units. This section describes how to create a category and save/recall patch or module data.

■ Saving a single patch/module

1. From the patch list in the Librarian window, select the single patch to save (or the patch that contains the module to save).

This procedure will save the current settings of the selected patch in G7ED (or the settings of the modules in that patch).

HINT

- Saving a single patch or module in this way does not affect original patch data in the patch list.
- For details about editing a patch in the Editor window, see the section "Editing Patch Data on the Computer" (→ p. 14).

2. Create a category for saving the single patch/module as follows.

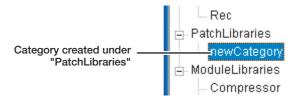
Settings for single patches/modules are saved in a special hierarchical level called a category.

To create a category, proceed as follows.

Saving a single patch

Right-click on the "PatchLibraries" level in the Library section of the Librarian window and select "Add new category" from the menu that appears.

A level called "newCategory" is created one level below "PatchLibraries".

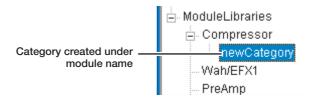


Saving a single module

To save the settings of a single module, the "ModuleLibraries" level in the Library section of the Librarian window is used. Below this level, the names of individual modules are listed, allowing independent save/recall of module settings.

Right-click on the name of the module to save and select "Add new category" from the menu that appears.

A level called "newCategory" is created below "the module name.

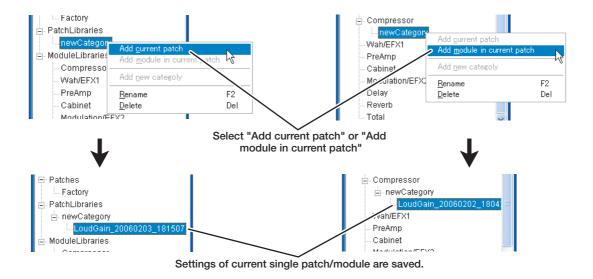


HINT

- To change the category name, select the category and click once more to display a cursor. Then input the new name.
- To delete a category, right-click on the name and select "Delete" from the menu that appears.

3. To save the settings of a single patch/module, right-click on the category and select "Add current patch" or "Add module in current patch".

The settings of the current single patch/module are saved.

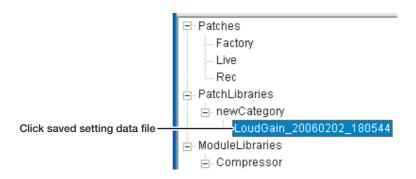


HINT

- The default setting name is used for the saved patch/module setting data. To change the name, right-click on the name and select "Rename" from the menu that appears.
- To delete the setting data for a single patch/module, right-click on the setting data and select "Delete".

■ Recalling a single patch/module

To recall the setting data for single patches/modules, click on the setting data file under "PatchLibraries" or "ModuleLibraries" in the Librarian window.



The recalled settings will be reflected immediately in the Editor window. When recalling module settings, only the corresponding module section in the Editor window changes.

HINT

When recalling setting data for single patches or modules, these will not only be reflected in the Editor window, but also in the G7.1ut itself.

Export/import of single patch/module settings as a file

Setting data for saved patches or modules can be saved in category units as a file on the hard disk of the computer. The settings can then be reloaded later at any time. Compared to saving and loading an entire patch set, this allows more detailed data management.

Exporting a category as a file

This section explains how to write any category as a file to the computer.

- 1. In the Library section of the Librarian window, click on the category that you want to save.
- 2. Access the File menu of the Librarian window and select "Export".

The Export window for selecting a file name and target location appears.

3. After selecting the file name and target location, click the "Save" button to write the file.

When the file writing process is complete, a dialog box appears. Click "OK" to close the dialog box.

NOTE

Data settings for patches/modules within the same category cannot be saved individually.

■ Importing a category

This section explains how to load a category into G7ED from a file saved on the computer.

- **1.** Access the File menu of the Librarian window and select "Import". The Import window for selecting a file appears.
- 2. After the file has been selected, click the "Open" button to import the category.

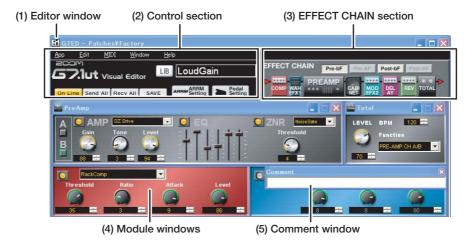
The category is added to the Library section of the Librarian window.

Editing Patch Data on the Computer

Using the Editor window, you can edit any patch contained in a patch set received with G7ED. Because multiple modules can be shown simultaneously on the computer screen, detailed editing becomes much easier. An edited patch can be stored either in the G7ED patch set or in the user area of the G7.1ut.

About the Editor Window

This section describes the various components of the Editor window.



(1) Editor window

This window serves for editing the patch selected at the G7.1ut or received with G7ED.

The Editor window consists of the control section, EFFECT CHAIN section, and the various module windows.

HINT

- When you use the Editor window, the result of any editing step is reflected immediately at the G7.1ut.
- In the same way, when you edit a patch at the G7.1ut, the result is reflected immediately in the Editor window. Changes to settings not supported by G7ED are disregarded.

(2) Control section

Gives access to various menus and to general G7ED functions.

(3) EFFECT CHAIN section

Allows control over the module insert positions.

(4) Module windows

Using representations of knobs, buttons, and other controls, the patch selected at the G7.1ut or a single patch of a patch set with in G7ED can be edited. The PRE-AMP module, EQ module, and ZNR module are shown together in the PreAmp window. The patch level (LEVEL parameter) is included in the Total window.

For details about operation of the module windows, see the section "Using the Module Windows" (\rightarrow p. 16).

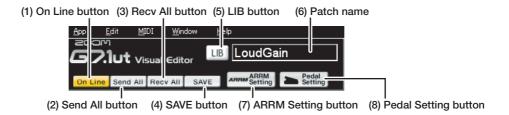
(5) Comment window

This window lets you add a comment to the single patch selected in the Librarian window. To have the entered comment reflected in the patch list, click the SAVE button. If this window is not shown, select "Comment" from the Window menu to

bring it up.

For details about the patch list in the Librarian window, see the section "Using the Librarian Window" $(\rightarrow p. 8)$.

■ Control section



(1) On Line button

Sets G7ED to the online state (\rightarrow p. 3).

(2) Send All button

Sends a specified patch set from G7ED to the G7.1ut (\rightarrow p. 5).

(3) Recv All button

Causes G7ED to receive all patches that are currently saved in the user area of the G7.1ut (\rightarrow p. 4).

(4) SAVE button

Saves the current Editor window settings into the single patch currently selected in the Librarian window. Currently active settings of that patch are overwritten.

(5) LIB button

Brings up the Librarian window.

(6) Patch name

Allows changing the patch name. (The name can be up to 8 characters long, using only characters that can be displayed by the G7.1ut.)

(7) ARRM Setting button

Serves for making settings for the ARRM function (\rightarrow p. 18).

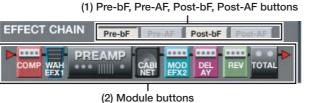
(8) Pedal Setting button

Serves for making settings for the expression pedal (\rightarrow p. 19).

NOTE

When the patch name is changed, the change also applies to the patch name in the G7.1ut. However, if the patch is switched at the G7.1ut without saving the patch there, the change will be lost. To have the Librarian window reflect the entered patch name, click the SAVE button.

■ EFFECT CHAIN section



(1) Pre-bF, Pre-AF, Post-bF, Post-AF buttons

These buttons serve to change the insert position of the pre-amp section and WAH/

EFX 1 module. By using these buttons, the Chain parameter of the PRE-AMP module and the Position parameter of the WAH/EFX1 module can be set simultaneously.

The respective buttons have the following effect.

• Pre-bF

Pre-amp section = Pre, WAH/EFX1 module = Befr

• Pre-AF

Pre-amp section = Pre, WAH/EFX1 module = Aftr

Post-bF

Pre-amp section = Post, WAH/EFX1 module = Befr

Post-AF

Pre-amp section = Post, WAH/EFX1 module = Aftr

NOTE

With G7ED, the pre-amp section and WAH/EFX1 module insert position is set in the EFFECT CHAIN section. Therefore the Chain and Position parameters are not shown in the module windows.

HINT

For more information on the module insert position, see the G7.1ut Operation Manual.

(2) Module buttons

Indicates the module lineup sequence. When the insert position of the pre-amp section and WAH/EFX1 module changes, the module button position also changes accordingly.

By clicking a module button, a module window that was closed can be opened again.

Using the Module Windows

This section explains how to use the module windows.

■ Common operations

The functions described below are similar in many module windows.



(3) Knobs/setting boxes

(1) Module on/off button

Each click of this button toggles the module between on and off. The button is shown as illuminated when the module is on.

(2) Effect type selector menu

Gives access to a selection of effect types. Click the arrow at right to bring up a pull-down menu and select a new effect type.

When the effect type is changed, the parameters assigned to the knobs also change.

(3) Knobs/setting boxes

Serve to change the parameter value. The setting can be changed either by using the knob or with the setting box.

Knob

Click on the knob and drag it in a circular motion to the desired position, to adjust the value.

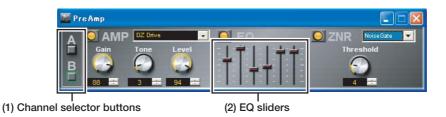
Setting box

Click in the box to bring up a cursor, and enter a value directly from the keyboard. Alternatively, click the up or down arrow at right to change the value.

■ Special operations

The functions described below are specific to certain module windows.

PreAmp window



(1) Channel selector buttons

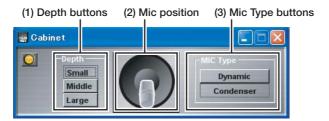
These buttons select the channels A/B of the pre-amp section. The selected channel is indicated by a green border around the button.

(2) EQ sliders

These sliders adjust the respective frequency bands of the EQ module. Drag the sliders to adjust the level.

Parameters that can be controlled by the sliders are Bass, Lo-Mid, Middle, Treble, Presence, and Harmonics.

Cabinet window



(1) Depth buttons

These buttons adjust the effect depth. At the G7.1ut, this is set with values from 0 to 2. With G7ED, the available settings are Small, Middle, and Large which refers to the size of the simulated speaker cabinets.

(2) Mic position

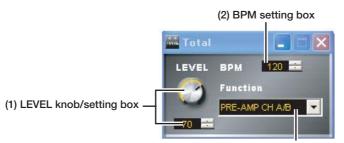
Sets the simulated sound pickup position of the microphone. Adjust the position by dragging the mic left or right (3 steps). At the G7.1ut, this is set with values from 0

to 2.

(3) Mic Type buttons

These buttons serve for selecting the microphone type: Dyna (Dynamic) or Cond (Condenser). Depending on the selected type, the microphone symbol on the mic position indicator also changes.

Total window



(3) Function selector menu

(1) LEVEL knob/setting box

Serves for setting the patch level.

(2) BPM setting box

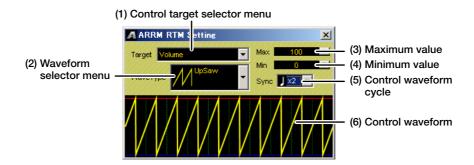
Serves for setting the tempo of the patch.

(3) Function selector menu

Serves for selecting the action of the function switch.

ARRM RTM Setting window

This window appears when the ARRM Setting button in the control section is clicked. The window serves for making various settings for the ARRM function.



(1) Control target selector menu

Serves for selecting the module and parameter controlled by the ARRM function.

(2) Waveform selector menu

Serves for selecting the control waveform type.

(3) Maximum value

Specifies the parameter value for the control target that is established when the control waveform is at its maximum.

(4) Minimum value

Specifies the parameter value for the control target that is established when the control waveform is at its minimum.

(5) Control waveform cycle

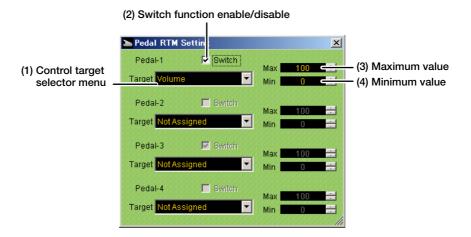
Specifies the duration of a control waveform cycle. The setting uses the patch specific tempo as reference and is expressed as eighth note, quarter note, or quarter note x numeral (2 - 20).

(6) Control waveform

Shows the currently selected control waveform type and cycle as a graph.

Pedal RTM Setting window

This window appears when the Pedal Setting button in the control section was clicked. The window serves for making various settings for the expression pedal.



(1) Control target selector menu

Serves for selecting the module and parameter controlled by the expression pedal. Up to four control targets (Pedal-1 to Pedal-4) can be specified for simultaneous operation.

(2) Switch function enable/disable

Enables or disables the switch function of the expression pedal. When the check box is selected, pushing the expression pedal fully down will switch the control target module on or off.

(3) Maximum value

Specifies the parameter value for the control target that is established when the expression pedal is fully pushed down.

(4) Minimum value

Specifies the parameter value for the control target that is established when the expression pedal is fully raised.

Editing a Single Patch

This section describes how to use the Editor window for editing a single patch. The edited patch can be used to overwrite the currently selected patch of G7ED or it can be saved on the G7.1ut.

1. Click the LIB button in the control section to bring up the Librarian window.

HINT

The "Factory" patch set that is saved in G7ED by default has the same content as the 80 patches in the user area of the G7.1ut in the factory default condition.

2. Select a desired patch set by clicking on it in the "Patches" level shown in the lower part of the Librarian window (Library section).

The upper part of the Librarian window (patch list) now shows all patches contained in the selected patch set.

HINT

For details about using the Librarian window, see the section "Using the Librarian Window" (\rightarrow p. 8).

3. In the patch list, select the patch to edit by clicking on it.

When you change the selected patch in the patch list, the Editor window and the G7.1ut itself reflect the changed settings.

NOTE

- When you save a patch in G7ED, the patch selected here will be overwritten. It cannot be saved in another location.
- If you do not select a patch as described here, the last selected single patch will be the target of any patch operation steps.

4. Edit the patch using the Editor window.

For details about using the Editor window, see the sections "About the Editor Window" (\rightarrow p. 14) and "Using the Module Windows" (\rightarrow p. 16).

When you operate the knobs and other controls in the Editor window, the edited content is reflected at the G7.1ut.

HINT

In the same way, when you edit a patch at the G7.1ut, the result is reflected immediately in the Editor window. Changes to settings not supported by G7ED are disregarded.

NOTE

Keep in mind that the changed sound of a patch is not permanent. When you select another patch at the G7.1ut or with G7ED, the changes are lost.

5. When you have finished editing the single patch, save the current patch as follows.

To overwrite the single patch selected with G7ED

To use the edited content of the Editor window to overwrite the single patch selected with G7ED, click the SAVE button in the control section. When the saving process is complete, a dialog box appears. Click "OK" to close the dialog box. The patch selected in step 3 will be overwritten.

• To save the patch in the G7.1ut

The settings made in the Editor window will also be reflected in the G7.1ut. To save the edited patch as a patch in the G7.1ut, simply save the currently selected patch at the G7.1ut in the user area.

NOTE

- Keep in mind that changing the selected patch in the Librarian window does not automatically change the selected patch at the G7.1ut. For example, when you select a single patch in the Librarian window and try to save in the G7.1ut, the currently selected patch at the G7.1ut will be the save target, regardless of the original bank number and patch number of the edited patch.
- In the same way, changing the patch at the G7.1ut does not automatically change the patch selected in the Librarian window.

HINT

- Besides the above described steps, the edited content can also be saved as a single patch (→ p. 10).
- By using the SAVE button and the single patch saving/loading function (→ p. 10), it is also possible to change the order of the patches. For example, to change the order of patches U0-1 to U0-4 in the patch list, call the patches up one by one in the Editor window and save them as single patches. When the four patches have been saved, call up patches U0-1 to U0-4 once more in the Editor window and overwrite the saved single patches in the desired new order.