Using RC-10R Rhythm Converter

This document explains basic operation of RC-10R Rhythm Converter (subsequently referred to as “Rhythm Converter”).

What you can do with Rhythm Converter

- SMF (Standard MIDI File) can be read and saved to RC-10R as a Rhythm Pattern (User genre).
- Any bar in the SMF can be set as a division of the Rhythm Pattern.

※ Rhythm pattern that can be used in all memory are common.

※ You can specify the tempo and drum kit included in the Rhythm Pattern for memory.

Preparing to Use Rhythm Converter

Installing Rhythm Converter

1. Download “RC-10R Rhythm Converter” from the product support page.
2. Right-click the downloaded file to select Extract All, and then follow the instructions.
3. Inside the folder created by extracting the file, double-click “RC-10R Rhythm Converter Setup.exe”.

Installation begins.

Proceed with installation as directed by the installation screens.

When the display indicates “Completing the RC-10R Rhythm Converter Setup Wizard.” click the [Finish] button.

Starting Rhythm Converter

1. Use a USB cable to connect the RC-10R to your computer, and then turn on the power of the RC-10R.
2. Select the memory you want to start editing in rc-10R.
3. Start [RC-10R Rhythm Converter] from the start menu.

Rhythm Converter is automatically connected to the RC-10R when it starts.

※ Rhythm Converter will start editing based on the contents of the memory selected in RC-10R.

Exiting Rhythm Converter

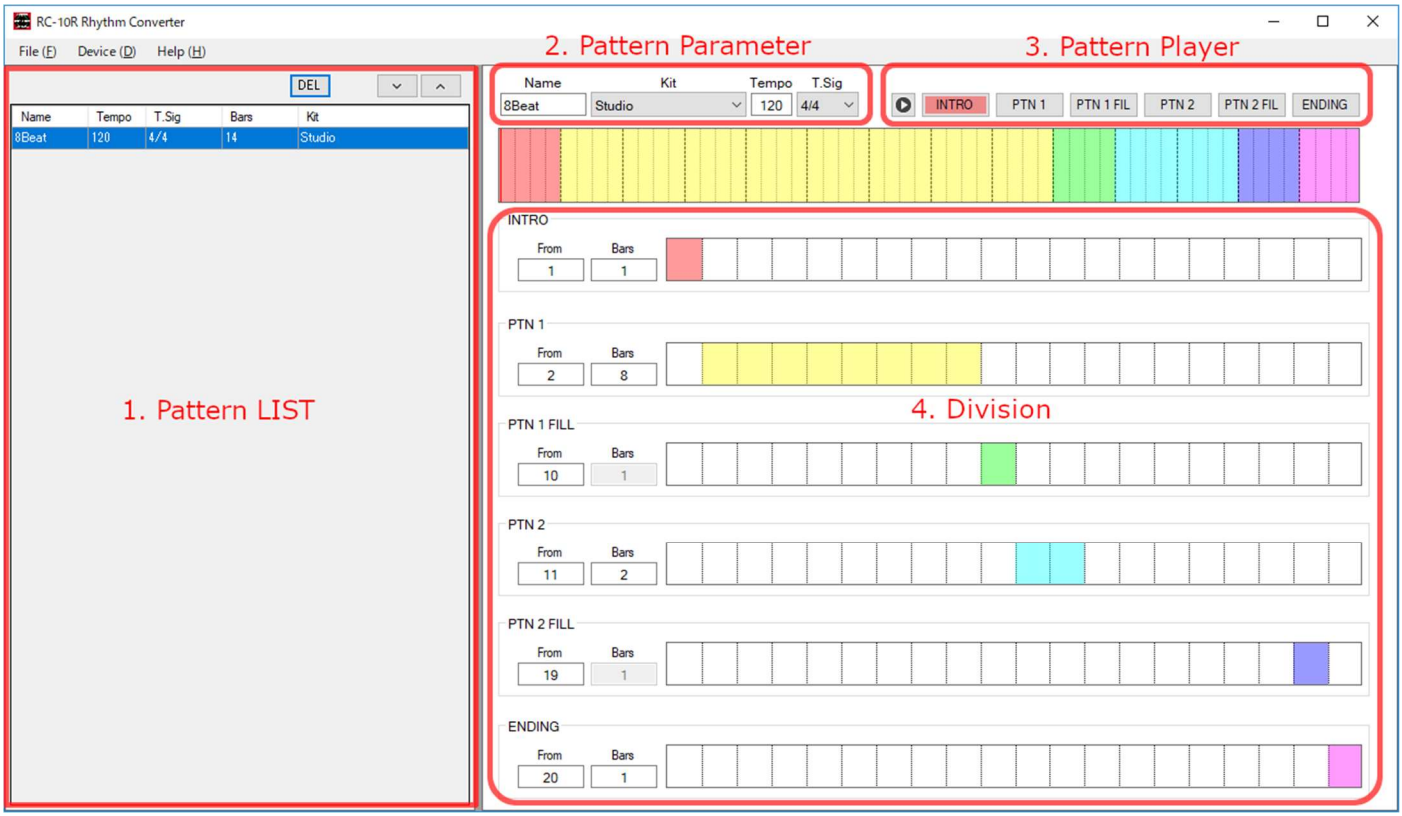
1. Select [Quit] from the [File] menu.

The connection to the RC-10R is automatically disconnected.

※ Rhythm Pattern that are not transferred to RC-10R will be discarded.

©2019 Roland Corporation

Basic Screen



1. Pattern LIST
   Rhythm Pattern included in the User genre are displayed.

2. Pattern Parameter
   The parameters of the specified rhythm pattern are displayed.
   You can change each parameter.

3. Pattern Player
   You can play the contents of a specific Division of a specified rhythm pattern.

4. Division
   Specify the range of each Division.

Adding rhythm pattern to RC-10R

Import the SMF and save it to RC-10R as a Rhythm Pattern.

※ Supported SMF data format

Format	Format 0/Format 1 (Format 1 will merge all tracks)
MIDI Channel	All channel will merge.
Time Signature	2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 5/8, 6/8, 7/8, 8/8, 9/8, 10/8, 11/8, 12/8, 13/8, 14/8, 15/8
Tempo	40 - 350
Maximum number of patterns that can be imported	50
Maximum number of notes that can be captured in one pattern	9999

* Rhythm Converter imports all NOTE ON information stored in SMF. Therefore, delete unnecessary NOTE ON information from SMF in advance.

Importing SMF into Rhythm Pattern

1. Select [Open MIDI File…] from the [File] menu.
   The file selection dialog appears.
2. Select the SMF file you want to load and click the [Open] button.
   * For Format1, a dialog is appeared and confirms that the tracks will merge. Click the [OK] button.
   Rhythm Converter imports SMF into Rhythm Pattern.

Setting the start position and length of each division

Assign the imported SMF to each division.

There are the following types of divisions:

INTRO	For INTRO Playback.
PTN-1	For Pattern1 Playback.
PTN-1-FILL	For Pattern1 FILL IN Playback.
PTN-2	For Pattern2 Playback.
PTN-2-FILL	For Pattern2 FILL IN Playback.
ENDING	For ENDING Playback.

Playing the division

1. Click the division button you want to play from [Pattern player].
2. Click the [▶] button.
   The selected division is played. You can stop playing by clicking the [■] button while playing.

Setting the starting and length of the division

1. Enter the starting position in the [From] field of the division you want to set.
2. Enter the length in the [Bars] field of the division you want to set.
   ※ PTN-1 FILL, PTN-2-FILL cannot change the [Bars].

Setting pattern information

1. Enter any string in the [Name] field.
   ※ You can set up to 8 characters of text.
2. Click the [Kit] pull-down menu and select the rhythm kit you want to set.
3. Enter the tempo in the [BPM] field.
   ※ The tempo can be set from 40 to 350.
4. Click the [T.Sig] pull-down menu and select the time signature you want to set.
   ※ The time signature can be selected from 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 5/8, 6/8, 7/8, 8/8, 9/8, 10/8, 11/8, 12/8, 13/8, 14/8, 15/8.

Changing the order of Rhythm Pattern

1. Select a Rhythm Pattern in the [Pattern LIST] field, and change the order by [^][v] buttons.

Deleting Rhythm Pattern

1. Select a Rhythm Pattern in the [Pattern LIST] field and click the [DEL] button.
   The confirmation dialog appears.
2. Click the [Delete] button.
   If you want to cancel, click the [Cancel] button.

Transferring Rhythm Pattern to RC-10R

Transferring Rhythm Pattern to a single memory

1. Select [Apply] from the [File] menu.
2. Set the [Memory number] you want to transfer and click the [Apply] button.

The tempo and drum kit of the Rhythm Pattern (User genre) of the corresponding Memory number will be changed.

Rhythm pattern data is transferred to all memory in common.

Transferring Rhythm Pattern to all memory

1. Select [Apply All] from the [File] menu.
   The confirmation dialog appears.
2. Click the [Apply All] button.
   If you want to cancel, click the [Cancel] button.
3. Rhythm Pattern data and tempo and drum kits are transferred to all memory.

Saving Rhythm Pattern to a Computer

1. Select [Export...] from the [File] menu.
   The file save dialog appears.
2. Enter the file name you want to save in [File] and click the [Save] button.

Importing Rhythm Pattern from a Computer

1. Select [Import...] from the [File] menu.
   The file selection dialog appears.
2. Select the saved Rhythm Pattern file and click the [Open] button.

The Rhythm Pattern is loaded into Rhythm Converter. To transfer to RC-10R, see ”Transferring Rhythm Pattern to RC-10R”.

About the rhythm sound module of RC-10R

Maximum Polyphony: 24 voices

See ”RC-10R MIDI Implementation” for note numbers available during SMF.