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SYSTEM-1 Update

Contents of Ver. 1.20

MEMORY BANK function

Now you can use eight banks, allowing you to store a total of 64 patch memories (8 patch memories x 8 banks).

● Switching banks

1. If you're operating in SYSTEM-1 mode, long-press the [SYSTEM-1] button. If you're operating in PLUG-OUT mode, long-press the [PLUGOUT] button.

The memory button corresponding to the currently selected bank number blinks.

2. Press a memory [1]–[8] button to switch the bank.

* Even after you switch the bank, the sound prior to switching banks continues to be heard until you press a memory button to switch sounds.

Basic waveforms added to OSC 1/OSC 2

To select the basic waveforms that were added, hold down the [LEGATO] button and turn the OSC 1/OSC 2 waveform knob.

We have added MIDI control changes that allow you to select the previously existing basic waveforms and the newly added basic waveforms.

The newly added basic waveforms

Name	Corresponding waveform knob position
Noise Saw	
Logic Operation	
FM	
FM + Sync	
Vowel	
CB	

OSC 1 added waveform	CC #105
OSC 2 added waveform	CC #106

Hold function for Scatter Depth

Now you can hold the Scatter Depth by pressing the [KEY HOLD] button.

● Holding the Scatter Depth

1. Turn on the [ARPEGGIO] button to enable Scatter.

2. While operating the [SCATTER] jog shuttle, press the [KEY HOLD] button.

● Cancelling the Hold function for Scatter Depth

Hold is cancelled when you once again operate the [SCATTER] jog shuttle.

Additional settings that can be registered in memory

The settings of the following SCATTER controllers can now be registered in memory.

Controllers
[ARPEGGIO] button
[ARP TYPE] knob
[ARP STEP] knob
[SCATTER] jog shuttle
[TYPE] dial
[KEY HOLD] button
OCTAVE [DOWN] [UP] button

With the settings of Ver.1.20, the state of the above controllers is registered in memory. If you don't want the state of these controllers to be registered, you can change the setting as follows.

● Changing the memory registration method

Here's how to specify whether the state of the SCATTER controllers is registered in memory.

1. Turn on the power while holding down the [SYSTEM-1] button.

The [ARPEGGIO] button blinks.

2. Press the memory [4] button to change the setting.

Lit	Registered
Unlit	Not registered

3. Press the [ARPEGGIO] button to save the setting.

Contents of Ver. 1.12

Added memory volume function

By holding down the [TEMPO SYNC] button and turning the [TYPE] dial, you can specify the volume for each patch memory.

Master tune setting

Now you can use the following procedure to adjust the master tuning.

1. **While holding down the [SYSTEM-1] button, turn on the power.**
2. **While holding down the [HOLD] button, use the jog dial to adjust the setting.**

OCTAVE [DOWN] [UP] buttons lit	440 Hz (default value)
Only the [UP] button lit	440 + (SCATTER LED number) Hz
Only the [DOWN] button lit	440 - (SCATTER LED number) Hz

e.g.)

If the [UP] button and the SCATTER LED (2) are lit, the setting is 442 Hz.

Added coarse tuning method

Now you can adjust the coarse tuning using either of the following two methods.

- Hold down the [RING] and [SYNC] buttons simultaneously, and turn the SCATTER [TYPE] dial.
- Hold down the [RING] and [SYNC] buttons simultaneously, and turn the OSC2 [TUNE] knob (**added**).

Contents of Ver. 1.11

The plug-out function was improved

We have improved the plug-out function in order to support the SH-2 PLUG-OUT Software Synthesizer.

Improved ARPEGGIO tempo synchronization

The following MIDI control changes are now supported

BEND RANGE	CC #41
COARSE TUNE	CC #87

* Pitch bend sensitivity RPN 00 (MSB) 00 (LSB) is not supported.

Problems fixed

Fixed the problem that had caused the effect of the [COLOR] knob to differ according to the pitch when using Sawtooth wave 2, Square wave 2, or Triangle wave 2.

Fixed the problem that had caused notes to be held even when [KEY HOLD] was turned off under the conditions of MODEL = PLUG-OUT, ENV TRIG = GATE or LFO, and note = C#5 or higher.

Contents of Ver. 1.10

Take a snapshot of all controllers.

Pressing and holding the [MANUAL] button executes batch output as Control Change messages of setting information for the volume knob, sliders, and buttons.

Improved the LPF CUTOFF resolution

The increment size of "LPF CUTOFF" when "MODE = SYSTEM-1" was modified.

The behavior of the volume knob or sliders were improved

The plug-out function was improved

Change pitch bend range

Turn the [TYPE] knob while holding down the [LEGATO] button.

* The range is from 1 to 24.

e.g.)

The range is 12 when "10" and "2" are on.

The range is 24 when "10" blinks and "4" is on.

MIDI Local On/Off and MIDI Controller mode

Turn the [TYPE] knob while holding down the [SYSTEM-1] button and the [PLUG-OUT] button.

LOCAL ON ("2" blinks)	It produces sound through any operation including external MIDI message.
LOCAL OFF ("1" blinks)	It produces sound only through external MIDI message.
MIDI CONTROLLER ("3" blinks)	It doesn't produce sound through any operation, only outputs MIDI message.

Data backup/restore

● Backup

1. **Hold down [ARPEGGIO] and switch on the power.**
2. **Connect your computer to the SYSTEM-1's USB port via USB cable.**
3. **Open the "SYSTEM-1" drive folder on your computer.**
4. **Copy the SYSTEM-1 Memory files in "BACKUP" folder into your computer.**

SYSTEM-1	SYSTEM1_PATCH1.PRM - SYSTEM1_PATCH64.PRM
PLUGOUT	PLUGOUT_PATCH1.PRM - PLUGOUT_PATCH64.PRM

5. **After copying is completed, disconnect the USB cable.**

Windows 8/7

Right-click on the "SYSTEM-1" icon in "My Computer" and execute "Eject."

Mac OS

Drag the "SYSTEM-1" icon to the Trash icon in the Dock.

6. **Turn the SYSTEM-1 power off.**

● Restore

1. **Hold down [ARPEGGIO] and switch on the power.**
2. **Connect your computer to the SYSTEM-1's USB port via USB cable.**
3. **Open the "SYSTEM-1" drive folder on your computer.**
4. **Copy the SYSTEM-1 memory files into the "RESTORE" folder.**
5. **After copying is completed, disconnect the USB cable.**

Windows 8/7

Right-click on the "SYSTEM-1" icon in "My Computer" and execute "Eject."

Mac OS

Drag the "SYSTEM-1" icon to the Trash icon in the Dock.

6. **After the OCTAVE [DOWN][UP] buttons have completely stopped blinking, turn off the power.**