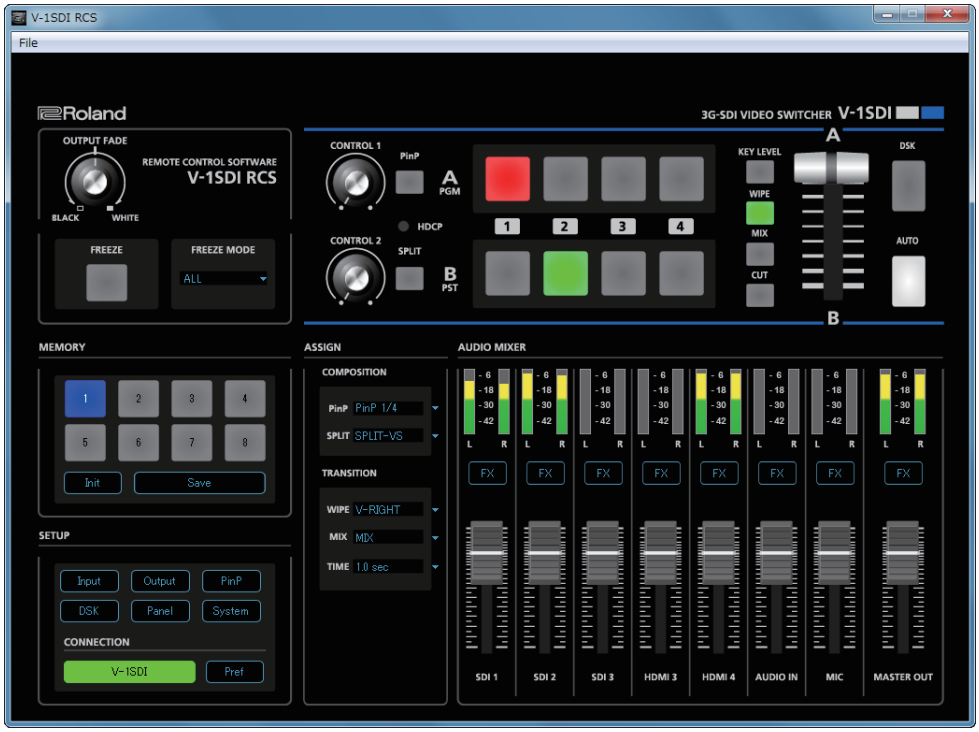

V-1SDI RCS is software designed to control the V-1SDI using a computer.
By connecting the V-1SDI and a computer via USB, along with operating the unit remotely from the computer, you can also save and call up settings and perform updates for the system software.

V-1SDI RCS

Dedicated Remote Control Software

Owner's Manual

V-1SDI RCS is compatible with version 1.100 and after of the V-1SDI system program. Use the V-1SDI unit with its system program updated to the latest version.

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Contents

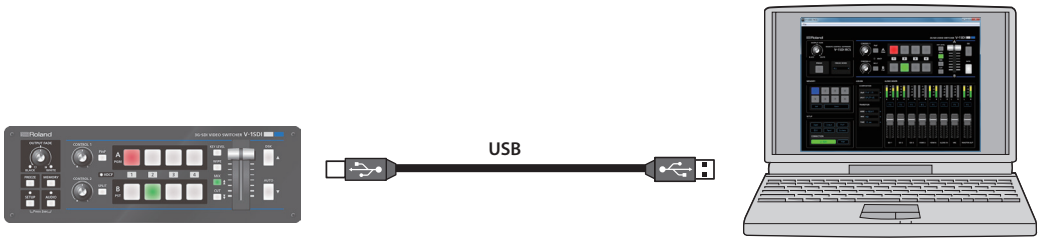
Introduction

About V-1SDI RCS

V-1SDI RCS is software for connecting a computer and the V-1SDI via USB and operating the V-1SDI remotely using the computer.

From V-1SDI RCS, you can perform panel operations and make menu settings on the V-1SDI unit. You can also save settings created in V-1SDI RCS to a file on the computer,(*1) and save the settings on the V-1SDI itself.

Performing operations in V-1SDI RCS is possible even when no connection is made to the V-1SDI unit (offline).(*2) This means that at times such as during prior planning for system design, you can create settings using only V-1SDI RCS and save the created settings to the on-site V-1SDI unit later.



(*1) Only V-1SDI RCS settings are saved in the file. Values in the V-1SDI's memories (1 through 8) are not saved.

(*2) Items that can be manipulated while offline are limited.

System Requirements

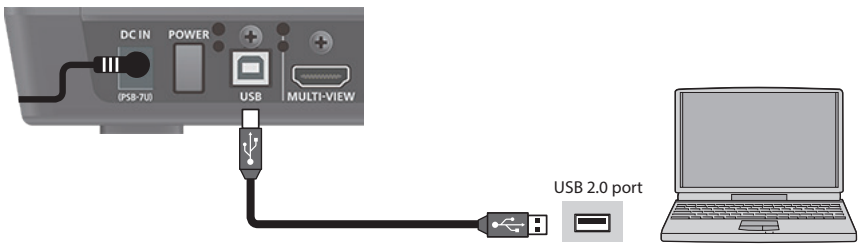
Operating System	Windows	Windows 7 Service Pack 1 or later
	Mac	OS X 10.9 or later
CPU	Windows	Intel Core 2 Duo or higher, or compatible processor * No assurance is made regarding the compatibility of compatible processors themselves.
	Mac	Intel Processor
RAM	2 GB or more	
Required Disk Space	100 MB or more	
Graphics	1280 x 720 resolution or higher Full Color (24-bit) or higher	
USB Port	USB 2.0	

* Operation of V-1SDI RCS on a standard computer that satisfies the conditions just described has been confirmed, but all operation under these conditions is not assured. Please be aware that even under identical conditions, computer-specific differences in design specifications or usage environment might result in differences in processing capacity.

Making the Connection to a Computer

* Making the connection using an extension cable or USB hub might result in the computer failing to recognize the V-1SDI. We recommend using a direct connection between the V-1SDI and the computer.

1. Using a USB cable, connect a USB 2.0 port on the computer to the USB port on theV-1SDI.



2. Turn on the power to the V-1SDI.

3. Start the computer.

4. Wait for communication between the V-1SDI and the computer to be established.

When communication with the computer starts, the operating system's standard driver is automatically installed.

Installing/Uninstalling V-1SDI RCS

V-1SDI RCS is available for download from the Roland website (**http://proav.roland.com/**).

Installing and Setting Up

Windows

1. **Right-click the downloaded compressed file, then click "Expand All."**

   The setup program (Roland_V-1SDI_RCS_Installer.exe) is expanded.

2. **Double-click "Roland_V-1SDI_RCS_Installer.exe" to run it.**

3. **Follow the instructions in the setup program to install.**

   * If a User Account Control prompt appears, click [OK].

Mac

1. **Double-click the downloaded compressed file.**

   The disk-image file Roland_V-1SDI_RCS(.dmg)) is expanded.

   * Depending on your computing setup, the file might be expanded automatically when downloaded.

2. **Double-click "Roland_V-1SDI_RCS(.dmg)."**

   The "V-1SDI RCS" disk is mounted.

3. **Drag the "V-1SDIRCS.app" icon from the mounted disk to your application folder.**

4. **Unmount the "V-1SDI RCS" disk.**

Uninstalling

Windows

1. **Working in sequence, click the [Start] button → [Control Panel].**

2. **When Control Panel appears, click [Uninstall a program] or [Programs and features].**

3. **When the Programs and Features screen appears, go to the program list and double-click [Roland V-1SDI RCS].**

4. **Follow the on-screen instructions to uninstall V-1SDI RCS.**

   * If a User Account Control prompt appears, click [Continue].

Mac

1. **Drag the V-1SDIRCS icon from the application folder to the Trash.**

Starting/Quitting V-1SDI RCS

Starting

1. Windows

On the computer, go to the "Start" menu and select "All Programs" → "Roland V-1SDI RCS" → "V-1SDI RCS."

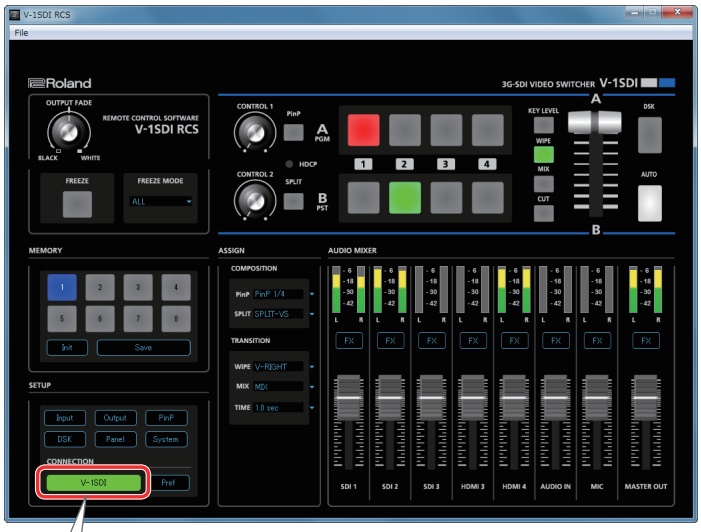
V-1SDI RCS starts and the V-1SDI RCS window appears.

Mac

Double-click the V-1SDIRCS icon.

V-1SDI RCS starts and the V-1SDI RCS window appears.

2. Click the [V-1SDI] button to switch between online and offline.



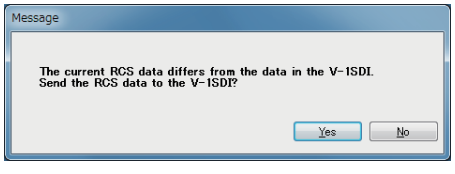
About Online and Offline

V-1SDI RCS has two operation modes: "online" and "offline."

Button	Operation Mode	Explanation
V-1SDI	Online	You select this when performing real-time control of the V-1SDI unit. No operation is possible if the computer and V-1SDI unit are not connected.
V-1SDI --- (Not connected to the computer)	Offline	You select this at times such as during prior planning for system configuration. Operation is possible even if the computer and V-1SDI unit are not connected. * For some functions, such as the memories and the [FREEZE] button, operation is not possible.

If V-1SDI RCS and the V-1SDI Unit Have Different Settings

If V-1SDI RCS and the V-1SDI have different settings when the system is switched online, a popup dialog box asking whether you want to overwrite the V-1SDI's settings appears. Click the [Yes] button or the [No] button to select whether to overwrite the settings on the V-1SDI unit.



[Yes] button	This sends the settings in V-1SDI RCS to the V-1SDI unit, overwriting the existing V-1SDI unit settings.
[No] button	This loads the current settings on the V-1SDI unit into V-1SDI RCS.

* You can save the values set using V-1SDI RCS to the computer as a file (*.pv9) and load the configured state when needed. For details, refer to "Saving Setting Values to the Computer As a File" (p. 9).

Quitting

1. Windows

Click the Close button (button) for the V-1SDI RCS window.
Alternatively, go to the "File" menu and select "Quit."

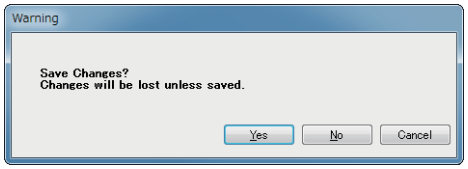
V-1SDI RCS will quit.

Mac

Click the Close button (button) for the V-1SDI RCS window.
Alternatively, go to the "V-1SDI RCS" menu and select "Quit V-1SDI RCS."

V-1SDI RCS will quit.

◆ If Settings at Shutdown Have Not Been Saved in a File



You can take the values of settings made in V-1SDI RCS and save them on the computer as a file (*.pv9) (p. 9). If the settings when you quit V-1SDI RCS have not been saved in a file, a popup dialog box asking whether you want to save the settings appears.

Click the [Yes] button or [No] button to select whether or not to save V-1SDI RCS's settings.

[Yes] button	The settings at shutdown are saved in an open file, (*.pv9), overwriting any earlier settings, and V-1SDI RCS ends. * If the target setting values have never been saved before, a Save V-1SDI Parameter Data As dialog box for entering a file name is displayed. This saves the setting values in a newly created file (*.pv9) of a different name.
[No] button	V-1SDI RCS ends without saving the settings at shutdown. **NOTE** Any changes made since the last time saved are all lost.
[Cancel] button	This cancels shutdown of V-1SDI RCS.

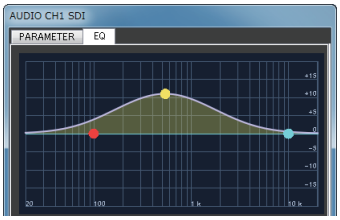
Panel Descriptions

For more information about menu items, go to the V-1SDI Reference Manual and refer to "Menu List" (p. 2).

No.	Name		Explanation
1	**Menu bar**		This displays the menus. For more information about the menus, refer to "Menu Bar" (p. 8).
2	**Operation panel**		This controls the operation panel on the V-1SDI. * When offline, the [FREEZE] button and [AUTO] button cannot be operated.
3	**MEMORY**	* Operation is not possible when offline.	
		[1]–[8] buttons	These control the memory function. Pressing the [Save] button and then clicking the button from [1] through [8] that corresponds to the number where you want to save the settings saves the current settings in the V-1SDI's memory. * PANEL and SYSTEM dialog box settings are not saved in the V-1SDI's memory. Only a single set of settings is saved on the V-1SDI.
		[Save] button	Also, clicking the button from [1] through [8] for the number whose settings you want to recall calls up the settings saved in the V-1SDI. The currently selected button lights up in blue.
		[Init] button	This initializes the values in the currently selected memory on the V-1SDI. * PANEL and SYSTEM dialog box values are not initialized.
4	**SETUP**	**[Input] button**	This displays the VIDEO INPUT dialog box. Affected settings: SETUP menu settings at VIDEO INPUT (pages 1/16 and 2/16)
		[Output] button	This displays the VIDEO OUTPUT dialog box. Affected settings: SETUP menu settings at VIDEO OUTPUT (pages 3/16 and 4/16)
		[PinP] button	This displays the PinP dialog box. Affected settings: SETUP menu settings at TRANSITION/PinP (page 6/16)
		[DSK] button	This displays the DSK dialog box. Affected settings: SETUP menu settings at DSK (pages 7/16 and 8/16)
		[Panel] button	This displays the PANEL dialog box. PANEL tab Affected settings: SETUP menu settings at PANEL (page 9/16) LOCK 1 tab Affected settings: SETUP menu settings at PANEL LOCK (page 10/16) LOCK 2 tab Affected settings: SETUP menu settings at PANEL LOCK (page 11/16) LOCK 3 tab Affected settings: SETUP menu settings at PANEL LOCK (page 12/16)
		[System] button	This displays the SYSTEM dialog box. Affected settings: SETUP menu settings at MEMORY (page 13/16) and SYSTEM (pages 14/16–16/16) * "A/B FADER CALIBRATE" and "FACTORY RESET" can be accessed only on the V-1SDI itself.
		[V-1SDI] button	This switches V-1SDI RCS online or offline (p. 4). When switched online, you can operate the V-1SDI from V-1SDI RCS.
		[Pref] button	This displays PREFERENCE dialog box. This performs an update of the V-1SDI's system program.

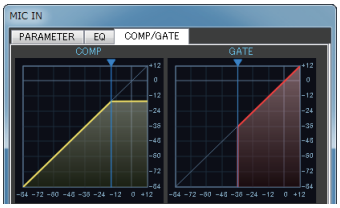
No.	Name			Explanation
5	ASSIGN	Affected settings: SETUP menu settings at TRANSITION/PinP (page 5/16)		
		COMPOSITION	PinP	This sets the type of compositing assigned to the [PinP] button.
			SPLIT	This sets the type of compositing assigned to the [SPLIT] button.
		TRANSITION	WIPE	This specifies the transition pattern assigned to the [WIPE] button.
			MIX	This specifies the transition pattern assigned to the [MIX] button.
			TIME	This sets the length of time for applying a video transition.
6	AUDIO MIXER	AUDIO level meter		These display the volume levels of input/output audio.
		SDI, HDMI, AUDIO IN [FX] buttons		These display an AUDIO dialog box for the respective audio input (SDI, HDMI, or AUDIO IN). PARAMETER tab Affected settings: AUDIO menu settings at AUDIO FOLLOW (page 2/15), AUDIO DELAY (page 3/15), and AUDIO OUTPUT (page 14/15) EQ tab Affected settings: AUDIO menu settings at SDI1 IN–SDI3 IN (pages 4/15–6/15), HDMI3 IN–HDMI4 IN (pages 7/15 and 8/15), and AUDIO IN (page 9/15) * For EQ graph operations, refer to the column below.
		MIC [FX] button		This displays the MIC IN dialog box. PARAMETER tab Affected settings: AUDIO menu settings at AUDIO FOLLOW (page 2/15), AUDIO DELAY (page 3/15), and AUDIO OUTPUT (page 14/15) EQ tab Affected settings: AUDIO menu settings at MIC IN (page 10/15) COMP/GATE tab Affected settings: AUDIO menu settings at MIC IN (page 11/15) * For EQ and COMP/GATE graph operations, refer to the column below.
		MASTER OUT [FX] button		This displays the AUDIO MASTER OUT dialog box. PARAMETER tab Affected settings: AUDIO menu settings at AUDIO OUTPUT (pages 13/15 and 15/15) EQ tab Affected settings: AUDIO menu settings at AUDIO OUTPUT (page 12/15) * For EQ graph operations, refer to the column below.
		AUDIO level fader		These adjust the volume level of input/output audio.

EQ Graph Operations (AUDIO dialog box for the respective audio input [SDI, HDMI, AUDIO IN, or MIC])



Points on the Graph
Dragging points changes the following values.
EQ Hi/Mid/Lo: Drag the point vertically.
EQ Hi/Mid/Lo FREQ: Drag the point horizontally.

COMP/GATE Graph Operations (MIC IN dialog box)



Graph Sliders
Dragging a slider ( ) horizontally changes the "THRESHOLD" value.

Menu Bar

Windows

Menu		Explanation
File	New	This returns the settings in V-1SDI RCS to their default values. * If current settings differ from default values, a popup dialog box appears, allowing you to save the setting values to the computer as a file (*.pv9).
	Open	This opens the file (*.pv9) where settings are saved and calls up the settings (p. 9).
	Save	This saves the current setting values, overwriting the open file (*.pv9) (p. 9).
	Save As	This displays the Save V-1SDI Parameter Data As dialog box. This saves the setting values in a newly created file (*.pv9) of a different name (p. 9).
	Preferences	This displays the PREFERENCE dialog box. This performs an update of the V-1SDI's system program (p. 10).
	Quit	This quits V-1SDI RCS (p. 5).

Mac

Menu		Explanation
V-1SDI RCS	Preferences	This displays the PREFERENCE dialog box. This performs an update of the V-1SDI's system program (p. 10).
	Hide V-1SDI RCS	This hides the V-1SDI RCS window.
	Hide Others	This hides all other application windows except the V-1SDI RCS window.
	Show All	This displays all application windows.
	Quit V-1SDI RCS	This quits V-1SDI RCS (p. 5).
File	New	This returns the settings in V-1SDI RCS to their default values. * If current settings differ from default values, a popup dialog box appears, allowing you to save the setting values to the computer as a file (*.pv9).
	Open	This opens the file (*.pv9) where settings are saved and calls up the settings (p. 9).
	Save	This saves the current setting values, overwriting the open file (*.pv9) (p. 9).
	Save As	This displays the Save V-1SDI Parameter Data As dialog box. This saves the setting values in a newly created file (*.pv9) of a different name (p. 9).
Help	V-1SDI RCS Help	This displays the V-1SDI RCS Owner's Manual (this document).

Saving Setting Values to the Computer As a File

You can save the values of settings made using V-1SDI RCS to the computer as a file (*.pv9), and load the configured state when needed.

* You can also save settings that were created in V-1SDI RCS while offline.

NOTE

Only V-1SDI RCS settings are saved in the file. Values in the V-1SDI's memories (1 through 8) are not saved.

Saving Settings

Saving by Overwriting

1. **From the "File" menu, select "Save."**

   This saves the current setting values, overwriting the open file (*.pv9).

   * If the target setting values have never been saved before, a Save V-1SDI Parameter Data As dialog box for entering a file name is displayed. This saves the setting values in a newly created file (*.pv9) of a different name.

Saving Using a Name You Specify

1. **From the "File" menu, select "Save As."**

   The Save V-1SDI Parameter Data As dialog box appears

2. **Specify the destination for saving the file and a file name (*.pv9), then click the [Save] button.**

   The file is saved to the computer.

Loading Settings

1. **From the "File" menu, select "Open."**

   The Open V-1SDI Parameter Data dialog box appears.

2. **Select the settings file (*.pv9), then click the [Open] button.**

   The settings are loaded.

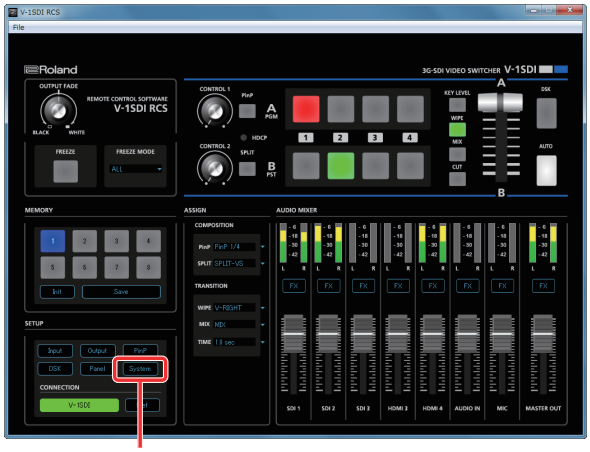
Updating the System Software of the V-1SDI

How to tell the version

1. Switch V-1SDI RCS online (p. 4).

The system program version information is displayed only while online.

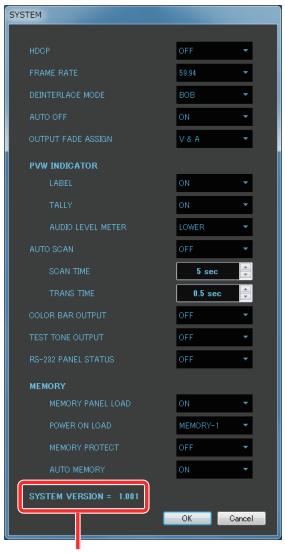
2. Click the [System] button.



[System] button

3. When the SYSTEM dialog box appears, check the current version information.

* Don't perform the update if the product is already up-to-date.



System program version information

MEMO

- To check the current version, on the V-1SDI, press and hold the [SETUP] button → at the SETUP menu, go to SYSTEM (page 16/16) and use "VERSION."

Getting the update file

Download the system program file for the V-1SDI from the following Roland website.

Upgrade information for the system program is provided at the Roland website.

http://proav.roland.com

Updating the System Software

NOTE

Never turn off the V-1SDI's power while the update is in progress. Otherwise the system program or the V-1SDI itself may be destroyed

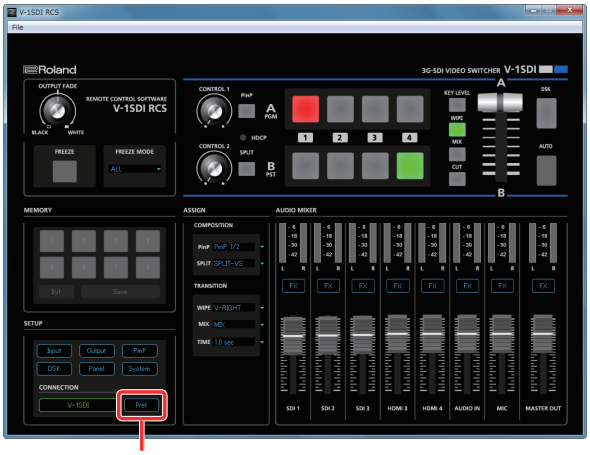
1. Using a USB cable, connect the V-1SDI and the computer (p. 2).

2. Hold down the V-1SDI's [AUDIO] button and press the [POWER] button to start the V-1SDI.

The V-1SDI starts in the Update mode (with the [AUDIO] button lighted in red).

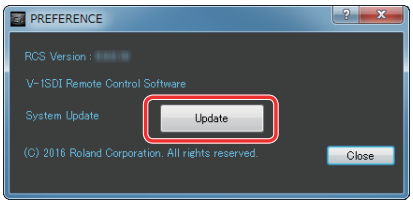
3. Start V-1SDI RCS, and then click the [Pref] button

* You can perform an update as long as the V-1SDI is connected to a computer, even when not online (p. 4).

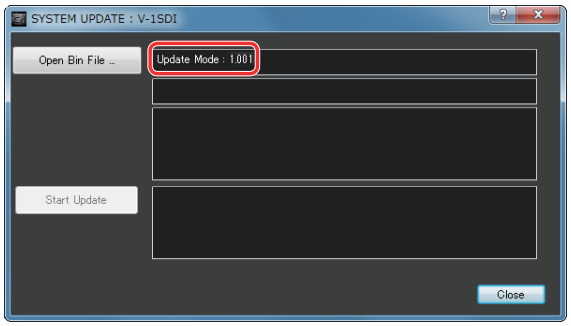


[Pref] button

4. When the PREFERENCE dialog box appears, click the [Update] button.



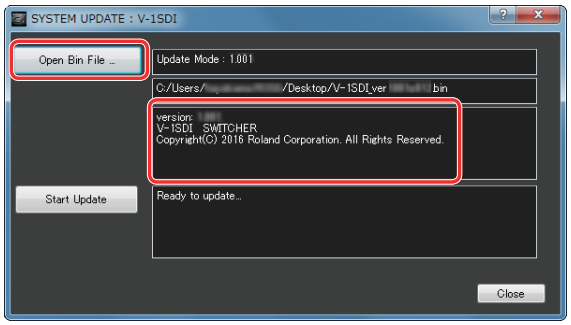
5. When the SYSTEM UPDATE dialog box appears, check to make sure "Update Mode" is displayed in the top field.



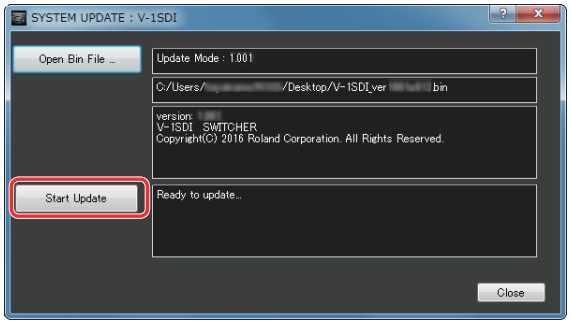
* If "---" is displayed in the top field, disconnect and reinsert the USB cable.

6. Click the [Open Bin File] button to display the Update Bin File dialog box, then specify the program file (V-1SDI_ver**.bin).**

The version information for the update file is displayed in the middle field.



7. Click the [Start Update] button.
(To quit without updating, click the [Close] button.)



The update starts.
When the update is completed, the message "Update Completed." appears.

8. Turn the power to the V-1SDI off and back on, then check the version information.

Follow the procedure in "How to tell the version" (p. 10) to check whether the system has been updated.

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