Roland

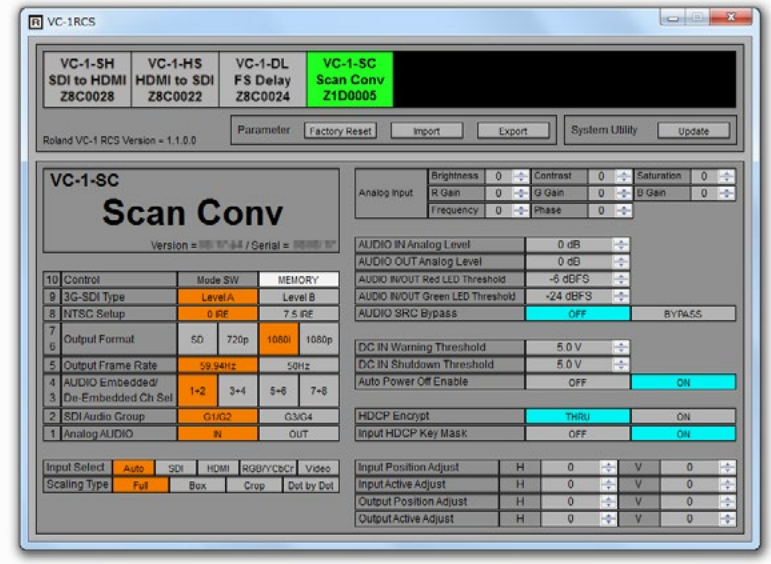
VC-1 Series Video Converters
Dedicated Remote Control Software

VC-1 RCS

Owner's Manual

This document explains the dedicated remote control software for the VC-1 series converters. By connecting the VC-1 unit to your computer via USB, you will be able to make settings in greater detail than can be made with the unit alone.

* For details on the operating requirements of this software, refer to "System Requirements" (p. 2).



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System Requirements and Connection

System Requirements

The destination computer must meet the requirements described below.

NOTE

This program has been confirmed to run on standard computers that meet the conditions described below, but operation under these conditions in all cases is not assured. Please be aware that even on computers meeting these requirements, processing capacity may vary due to differences in device-specific settings or specifications, or in usage environment.

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Operating System

- Windows XP Home Edition / Professional Service Pack 3 or later
- Windows Vista Service Pack 2 or later
- Windows 7 Service Pack 1 or later
- Windows 8
- Mac OS X 10.7 or later

CPU

- Windows Pentium/Celeron 1.6 GHz or higher
- Mac OS Intel processor

RAM

- 512 MB or more

Graphics

- 1024 x 768 dots or more
- 65,536 colors (16-bit color) or more

USB Port

- Hi-speed USB (complaint with USB 2.0) is recommended.

About Connection

Connect the VC-1 series converters to your computer

Connect a unit of the VC-1 series converters via USB and turn the power on. The USB port on VC-1 series units is located on the front panel or the side panel, depending on the model.

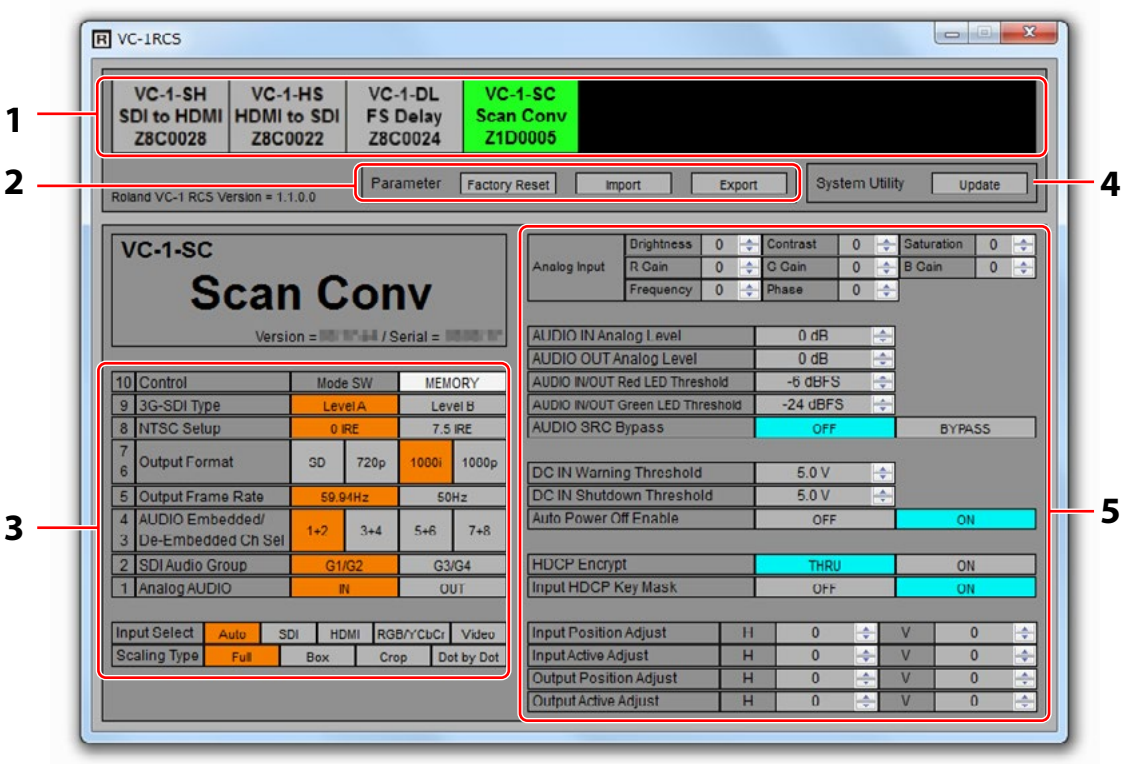
About the Mode Switches

When you remote control the VC-1 unit from your computer, make sure that the MODE SW 10 is turned to [ON]. When you change settings using the switches of the unit itself, turn this to [OFF]. Even in this case, you can monitor the unit's status using this software.

Number of the connectable units

You can connect up to eight units of the VC-1 series converters per one computer. Select one unit as the remote control target on this software.

Part Names and Functions



1. Selector

Select one unit as the remote control target from the connected units of the VC-1 series converters. Click to turn a box to green to select the target. The serial numbers are shown below the model names. Check the number of the unit before selection.

* The maximum number of display here is eight units. The 9th or later units are not displayed.

2. Parameter Buttons

Factory Reset	Click this to reset settings to the factory default.
Import	Click this to load the settings you have saved to your computer as a file.
Export	Click this to save the settings as a file to your computer.

3. Switch Controller

You can remotely execute settings of unit's switches or dials using this section. The selected parameter turns to orange. The displayed parameters differ depending on the model you have selected using the selector above. For details of the parameters, refer to the "Setting the Operation Mode" chapter in owner's manual.

NOTE

You can execute settings of the VC-1 units regardless to the physical position of mode switches or dials. If you want to match settings and physical positions, turn the MODE SW 10 to "OFF."

4. Update Button

Click this to update the system software of the target unit. When you carry out the system update, follow the instructions on the download page.

5. Parameter List

You can execute detailed settings that cannot be done using mode switches. Refer to "Parameter List" (p. 4) for details.

* The displayed parameters differ depending on the model you have selected using the selector above.

NOTE

The operations in this section are enabled when the MODE SW 10 on the unit is turned [ON]. When it's turned [OFF], you cannot change settings using this section.

Parameter List

* The parameters in the Switch Controller section (left side of the screen) are the same as those of unit's Mode Switches. Refer to the Owner's Manual for such parameters.
* The default value is printed in bold characters.

Parameter	Values	Explanation	Supporting models (VC-1)			
			SH	HS	DL	SC
AUDIO IN Analog Level	VC-1-SH/HS/DL: -13.5–0– +33.75 dB VC-1-SC: -12.0–0– +35.25 dB	This adjusts the analog audio input level. * Unit: 0.75 dB	✓	✓	✓	✓
AUDIO OUT Analog Level	VC-1-SH/HS/DL: -55–**0**–+8 dB VC-1-SC: -57–**0**– +6 dB	This adjusts the analog audio output level. * Unit: 1 dB	✓	✓	✓	✓
AUDIO Red LED Threshold	-63–**-6**–0 dBFS	This sets the level of audio indicator to start lighting in red. *Unit: 1 dBFS	✓	✓	✓	✓
AUDIO Green LED Threshold	-63–**-24**–0 dBFS	This sets the level of audio indicator to start lighting in green. * Unit: 1 dBFS	✓	✓	✓	✓
AUDIO SRC Bypass	**OFF**, BYPASS	Selecting "BYPASS" enables the audio signal to be processed directly, without passing through the sampling rate converter. * This is applicable only when the input digital audio signal (including embedded signals) is locked to the output video signal. * This may cause noise. So turn this to "OFF" in normal operation.	✓	✓	✓	✓
DC IN Warning Threshold	**5.0 V**–15.0 V	This sets the voltage of DC IN indicator to start flashing. When the voltage falls below the setting, the DC IN indicator starts to flash.	✓	✓	✓	✓
DC IN Shutdown Threshold	**5.0 V**–15.0 V	This sets the voltage to turn off the power. When the voltage falls below the setting, the power of the unit is turned off. * Changing this parameter may make the powering unavailable, keep this to "5.0 V" for normal operation. * If you find it is impossible to turn on power, set the unit's Mode Switch 10 to "OFF" and pull the cord out of the VC-1, and plug the cord into VC-1 again to cycle the power. Then execute Factory Reset with using VC-1 RCS.	✓	✓	✓	✓
Auto Power Off Enable	OFF, **ON**	This changes the AUTO OFF setting. If you want to disable the AUTO OFF while the MODE SW 10 is turned "ON", select "OFF" on this software. * Refer to the Owner's Manual for AUTO OFF.	✓	✓	✓	✓
HDCP Encrypt	**THRU**, ON	Turn this to "ON" to apply HDCP for the output from HDMI THRU/OUT jack. The unit follows to the HDCP status input from the HDMI jack when "THRU" is selected.		✓	✓	✓
Input HDCP Key Mask	OFF, **ON**	You can make the HDMI input jack to HDCP incompatible. * Set this to "OFF" when connecting HDCP equipment. Note, however, that SDI output is disabled when this is set to "OFF," and so this should normally be left set to "ON."		✓	✓	✓
Freerun Mode	**OFF**, ON	This sets the freerun mode on or off. When set to "ON," output is freerun. When switching signals of identical format, the picture changes seamlessly, with no interruption in output, even when no REF IN input is made. When set to "OFF," operation is as follows. • REF IN not used: Output is locked to the input signal. • REF IN used: Output is locked to REF IN. * When set to "ON," the "Video Fine Delay" and "Audio Fine Delay" settings have no effect. Audio is also always on 2 channels. * If screen flicker occurring on interruption of the input signal is a concern, you can correct for this by using "Video Delay" to increase the amount of delay for the video.			✓	
Video Fine Delay	**0**–1124 line	You can fine adjust the video delay in line units (horizontal sync).			✓	
Audio Fine Delay	**0**–1124 line	You can fine adjust the audio delay in line units (horizontal sync).			✓	
Analog Input Brightness	-50–**0**–+50	This adjusts the brightness for analog signal input.				✓
Analog Input Contrast	-50–**0**–+50	This adjusts the contrast for analog signal input.				✓
Analog Input Saturation	-50–**0**–+50	This adjusts the color saturation for analog signal input.				✓
Analog Input R Gain	-50–**0**–+50	This adjusts the red level for analog signal input.				✓
Analog Input G Gain	-50–**0**–+50	This adjusts the green level for analog signal input.				✓
Analog Input B Gain	-50–**0**–+50	This adjusts the blue level for analog signal input.				✓
Analog Input Frequency	-50–**0**–+50	This adjusts the sampling frequency for analog RGB signal input.				✓
Analog Input Phase	-50–**0**–+50	This sets the sampling phase for analog RGB signal input.				✓

Parameter	Values	Explanation	Supporting models (VC-1)			
			SH	HS	DL	SC
Input Position Adjust H	-1024–**0**–+1024 pixel	This adjusts the horizontal position of the input signal. (*1)				✓
Input Position Adjust V	-1024–**0**–+1024 line	This adjusts the vertical position of the input signal. (*1)				✓
Input Active Adjust H	-2048–**0** pixel	This adjusts the effective horizontal range of the input signal. (*1)				✓
Input Active Adjust V	-2048–**0** line	This adjusts the effective vertical range of the input signal. (*1)				✓
Output Position Adjust H	-1024–**0**–+1024 pixel	This adjusts the horizontal position of the output signal. (*1)				✓
Output Position Adjust V	-1024–**0**–+1024 line	This adjusts the vertical position of the output signal. (*1)				✓
Output Active Adjust H	-2048–**0** pixel	This adjusts the effective horizontal range of the output signal. (*1)				✓
Output Active Adjust V	-2048–**0** line	This adjusts the effective vertical range of the output signal. (*1)				✓

*1 Depending on the combination of input and output formats or on the combination of setting values, the output video might be corrupted. Use within a range in which no corruption of output video occurs.