# Procedure to convert from ECO-SOL ink to ECO-SOL MAX ink

Notice: There are some steps which are model specific, please make sure that you use the correct procedure.

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# **Firmware Version**

Model Name	Required Firmware
SP-540V SP-300V SP-300	Ver.5.90 and above
SJ-745EX SJ-645EX SC-545EX SC-545EXW SJ-740EX SJ-640EX SJ-540EX SJ-740 SJ-540 SC-540 SC-540 SC-540EX	Ver.6.50 and above
SJ-1000	Ver.1.60 and above

# **Procedure A - VersaWorks**

#### Step 1: Upgrading the printer's firmware

- 1. Turn on the Main Power Switch of the printer.
- 2. Start up Roland VersaWorks.



3. Click [Printer] > [Printer Status] in the menu bar of Roland VersaWorks.



4. [Printer Status] dialog appears. Please check the firmware level. If firmware level is at of higher than required firmware (please see chart above) then no firmware upgrade is needed. Select [OK] to continue.

Printer Status	
Model Name :	SOLJET Proll SJ-540EX
Port :	IP : 192.168.0.100
Firmware Version :	640)
Serial Number :	Unknown
Status :	Secondary Power OFF
Media Width :	520.000
Ink Status :	
	Update( <u>U</u> )
	(K)

1. Hold the Up, Left and Down arrow keys while pressing the Sub Power Switch on the printer's front panel.

- 2. The printer will power on in Boot Mode. Press the Enter button to accept.
- 3. Start up Roland VersaWorks. Roland VersaWorks File(F) Edit(E) View(V) Job(J) Printer(P) Media(M) Help(H) File(F) Edit(E) View(V) Job(J) Printer(P) Media(M) Help(H)
- 4. Select [Printer] > [Send Native File] in the menu bar on Roland VersaWorks.



5. [Open] dialog appears.



6. Change the Files of type to Firmware Update File (\*.rfw).



7. Navigate to the location of the downloaded firmware file and select. Click the [Open] button and the firmware will be transferred.

Open					? 🔀
Look jn:	🛅 5exv650a		•	🗢 🗈 💣 🎫	•
G	🖬 fj540650a.rfv	J			
My Recent Documents					
Desktop					
6					
My Documents					
My Computer					
My Network Places	File name:			•	<u>O</u> pen
	Files of type:	Firmware Update F	files (*.rfw)	•	Cancel

8. After firmware update is complete power on the printer normally.

### Troubleshooting

If the following message appears on the printer display panel, a wrong file was selected and transferred or an error occurred.

# DATA ERROR FORMAT ERROR

If this case happens, turn off the Sub Power Switch once, select the correct firmware file and transfer it again.

### Step 2a: Updating Roland VersaWorks

The following steps require that VersaWorks is installed on a computer with an active internet connection. If the computer does not have an internet connection please go to step 2b.

#### 1. Quit Roland VersaWorks.\*



\* This operation cannot be completed correctly if VersaWorks is running.

2. Execute [Start] > [All programs] > [Roland VersaWorks] > [Online Update] of Windows.



3. Manual Updater dialog appears.



\*Set the proxy server settings when you use a proxy server.

Click [Setting] > [Preference] in the menu bar.

🍋 k	Aanual U	pdater		×
File	Settings	Help		
3		ence "GRECK for update" to connect to Rol	and@NET server.	
			Check for update	
	)etails : http://Versa	Works.rolanddga.com:8080/update	info/index.html	

Check the [Use proxy server] in the check box and input the address and port number. Click OK.

Update settings			
Proxy Server			
🔽 Use Proxy Server			
Address proxy.***.co.jp			
Port 1024			
Update Options			
Download updates for all languages			
Download updates for media and color profiles			
All updates			
O Updates for current printer model only			
O Updates for current printer and ink configuration only			
OK Cancel			

4. Back in the main window click the [Check for update] button



5. Roland VersaWorks updating starts. After updating VersaWorks will close automatically.

## Step 2b: Updating Roland VersaWorks without an internet connection

- 1. Download the RVWUpdater151.zip file from the R-Net website.
- 2. Double-Click RVWUpdater151.zip to unzip
- 3. Open the RVWUpdater151 folder and double-click the LocalUpdater.exe



4. [Off line Updater] dialog appears. Click the [Check for update] button.

🔁 (	)ffline U	pdater					×
<u>F</u> ile	<u>S</u> ettings	<u>H</u> elp					
	Click	"Check	for update	e" to show	update li	st.	
	Sharen 11- da					I	i
	onow Upda	ate infom	lation				

5. Roland VersaWorks updating starts.

# Step 3: Converting ECO-SOL ink to ECO-SOL MAX ink.

- 1. Check if the Main Power and Sub Power Switch are ON.
- 2. Press the [MENU] button of the printer.
- 3. Press the  $\blacktriangle$  or  $\mathbf{\nabla}$  cursor key of the printer and scroll the menu.



9. When DRAIN BOTTLE 4 appears. Remove the drain bottle and empty it out. Attach the drain bottle to the printer. Press the [ENTER] key of the printer when bottle is installed. REMOVESOL GRT.

10. When **128650789 01112** appears. Remove the ECO-SOL ink cartridges from the blinking slot. When all ECO-SOL ink cartridges are removed, converting will be started.

11. Open the seal of the ECO-SOL MAX ink cartridges and gently shake the ECO-SOL MAX ink cartridges.



12. Following message appears in panel during operation. SET E-SOL Max 1 2 3 4 5 6 7 8 9 10 11 12 Blink CARTRIDGE 1 2 3 4 5 6 7 8 9 10 11 12

Or following display appears.

Remove the ECO-SOL MAX ink cartridges from the slots that are blinking.

REMOVE E-SOL Max	Blink	CARTRIDGE
1 2 3 4 5 6 7 8 9 10 11 12		1 2 3 4 5 6 7 8 9 10 11 12

\*Insert and remove cartridges several times following the display indication.

13. The ink converting is complete.

14. Check if the all heads are printing correctly by pressing the [TEST PRINT] key on the printer.

If printheads do not print correctly, execute head cleaning and TEST PRINT to check.

### Steps for converting to ECO-SOL MAX ink to a different ink mode

Example-ECO-SOL CMYKLcLm ink -> ECO-SOL MAX CMYKMC ink ECO-SOL CMYKMC ink ->ECO-SOL MAX CMYKLcLm ink

\* 4 Cleaning cartridges are required in this case. \* This is only possible for the SJ-745EX/645EX

CHANGE INKSET 🛟

1.

appears if ECO-SOL CMYKLcLm ink is used.

CHANGE INK SET ECO-SOL CMYKMC appears if ECO-SOL CMYKMC ink is used. Press the  $\blacktriangle$  or  $\mathbf{\nabla}$  key of the printer.

2. Select CHANGE INKSET CHANGE INKSET CHANGE INKSET Select CHANGE INKSET If you change the ink mode to ECO-SOL MAX CMYKLcLm.

Press the [ENTER] key of the printer.

EMPTY

3. DRAIN BOTTLE A appears. Remove the drain bottle and empty it out. Attach the drain bottle to the printer.

Press the [ENTER] key of the printer.

REMOVESOLORT.

4. **128650789101112** appears. Remove the ECO-SOL ink cartridges from the blinking slots.

When all ECO-SOL ink cartridges are removed, converting will be started.

5. Following message appears in panel during operation. Insert and remove the cleaning cartridges tin the blinking slots.

SET SOL CL-LIQUID	Blink	REMOVE SOLICL	
123456789101	1 12	1 2 3 4 5 6 7 8 9 10 11 12	
EMPTY			
6. DRAIN BOTTLE	🚽 appea	rs. Remove the drain bottle	and empty it out again.

Attach the drain bottle to the printer and press the [ENTER] key of the printer.

\*Insert and remove cartridges several times following the display indication.

7. Open the seal of the ECO-SOL MAX ink cartridges and gently shake the ECO-SOL MAX ink cartridges.



8. Following message appears in panel during operation.

SET E-SOL Max	Blink	CARTRIDGE
1 2 3 4 5 6 7 8 9 10 11 12		1 2 3 4 5 6 7 8 9 10 11 12

Or following display appears.

Remove the ECO-SOL MAX ink cartridges from the slots that are blinking.

REMOVE E-SOL Max	Blink	CARTRIDGE
1 2 3 4 5 6 7 8 9 10 11 12		1 2 3 4 5 6 7 8 9 10 11 12

\*Insert and remove cartridges several times following the display indication.

9. The ink converting is complete.

10. Check if the all heads are printing correctly by pressing the [TEST PRINT] key on the printer. If printheads do not print correctly, execute head cleaning and TEST PRINT to check.

#### **Step 4 Change the printer settings of the Roland VersaWorks** Following screens use the settings for the SP-540V.

1. Start up Roland VersaWorks.



The following dialog appears. Click [OK].

Roland	VersaWorks 🔀
♪	The printer connected differs from the one being used. Please set the correct model and ink type or verify the port settings.
	OK

2. The [Printer Settings] dialog appears. Click the [Verify] button.

Printer Setti	ngs 🔀		
Model Name( <u>H</u>	): VersaCAMM SP-540V		
Ink Type( <u>N</u> ):	ECO-SOL CMYK		
Port( <u>P)</u> :	• TCP/IP(I)		
	IP Address([): 192 . 168 . 0 . 100		
	🗢 USB(L)		
	Port(P):		
Verify(U)			
Model Na	me : Unknown		
Firmware '	Version : Unknown		
Serial Nur	nber : Unknown		
Status :	Unknown		
	OK Cancel		

3. The following dialog appears. Click [Yes].

Roland VersaWorks 🛛 🕅		
The ink type detected differs from the one supported by current settings. Do you want to change the printer settings to the one detected?		
<u>Yes</u> <u>N</u> o		

4. The [Printer Settings] dialog appears again Click [OK].

Printer Settings			
Model Name(H) : VersaCAMM SP-540V			
Ink Type( <u>N)</u> :	ECO-SOL	DL MAX CMYK	
Port(P) :	€ TCP/I	/IP( <u>T</u> )	
	IP Ad	ddress([): 192.168.0.100	
	O USB(L	<u>(U)</u>	
	Port(P	<u>P):</u>	
Verify( <u>U)</u>			
Model Na	me:	VersaCAMM SP-540V	
Firmware	Version :	5.80	
Serial Nur	nber :	Z\$70120	
Status :		Setup Incomplete	
		OK Cancel	

5. The following dialog appears. Click [OK].



6. Roland VersaWorks starts up. Change is complete.

# **Procedure B - ColoRIP**

#### How to check the firmware version of the printer

1. Turn on the Main Power switch of the printer.

2. When turn on the Sub Power Switch of the printer, firmware version of the printer is displayed on the display panel.

3. If firmware is an earlier version then listed in the firmware chart above, then please upgrade.

Roland	SC-540EX
Ver	.6.30

### Step 1: Step 1: Upgrading the printer's firmware

\*Users can now use the new Firmware Updater file in place of the Peck Tool. The Peck Tool can still be used to upgrade firmware.

1. Please download the correct Firmware Updater file from the R-Net in the corresponding product information section.

Model Name	Name
SP-540V SP-300V SP-300	VersaCAMM.zip
SJ-745EX SJ-645EX SC-545EX SC-545EXW SJ-740EX SJ-640EX SJ-540EX SJ-540 SJ-540 SC-540 SC-540EX	SOLJET.zip
SJ-1000	SJ1000.zip

2. Double-click the VersaCAMM.zip to extract the files. \*This section uses the SP-540V as an example



- 3. Open the VersaCAMM folder and Double-click
- 4. Click the Radio button next to Network (TCP/IP).

🚸 Roland Firmware Updater			
Choose the target device for the firmw	vare update.		
Output through the Windows D	river	1	
C Device	·		
Direct Output			
C Parallel	<b>T</b>		
C Serial (RS-232C)			
Network (TCP/IP)	· · · ·		
Roland Copyright(c) 2005 Roland DG Corporation			
	< <u>B</u> ack <u>N</u> ext > C	ancel	

4. Input IP address set to the printer and click [Next].

🚸 Roland Firmware Updater	×	
Choose the target device for the firmware	update.	
Output through the Windows Drive	ı	
C Device	<u></u>	
Direct Output		
C Parallel	<u></u>	
C Serial (RS-232C)		
<ul> <li>Network (TCP/IP)</li> </ul>	192 . 168 . 0 . 100	
Roland Copyright(c) 2005 Roland DG Corporation		
	Back Next > Cancel	

5. When the dialog below appears, proceed to printer preparation

🚸 Roland Firmware Updater			
Start the update. Enter the firmware update mode on th Do not cancel the update while it is ir Until the update is completed, never s Port Information Port:192.168.0.100	e machine. progress. switch off the powe	я. 	
	< <u>B</u> ack	<u>Next&gt;</u>	Cancel

6. Turn the Main Power Switch on the rear of the printer on. (Switch to [ | ] side.)

	Switch to [   ] side.	
7. Click [Next]	l.	
🚸 Roland Firm	ware Updater	

🖑 Roland Firmware Updater	×
Start the update. Enter the firmware update mode on the machine. Do not cancel the update while it is in progress.	
Until the update is completed, never switch off the power.	
Port Information	
Fuit. 132. 100.0.100	
< <u>B</u> ack <u>Next&gt;</u>	Cancel

8. Click [Yes] on the dialog below.

## POWER LED is not lit.



9. Roland Firmware Updater Program starts to transfer the firmware. Once the printer has received the firmware, the printer will automatically turned on and beep. Firmware version is displayed on the control panel.

\*Do not turn off the printer or remove the data cable during firmware transfer.



10. Click [Complete] when the dialog below appears.

🖑 Roland Firmware Updater	×	
Turn off the power when the update is completed.		
Until the update is completed, never switch off the power.		
[Finish]		

11. The printer will automatically start the updating process after receiving the firmware.

11. Turn on the Sub Power by pressing the [POWER] switch on the control panel of the printer and confirm the firmware version. For instance, the example below indicates that SP-540V is operating under firmware Ver.5.80.

Roland	SP-540V
Ver	.5.80

## **Troubleshooting the Firmware Updater**

The dialog below is displayed and the Updater Program does not start.



Solution: Quit the Firmware Updater Program.

Cannot transfer the firmware.

Roland	Firmware Updater 🛛 🗙
⚠	Something is wrong with the file. The file cannot be started.
	OK

Cause: There are multiple firmware files in the same folder or the firmware file is missing in the folder.

Solution: Delete the unnecessary files if there are multiple firmware files in the folder. There must be only one firmware files in the folder. If the firmware file does not exist in the folder, move it to the folder.

The firmware transfer has been canceled with the message below displayed.



Cause: During firmware transfer, the machine is turned off or the cable disconnected. Solution: Check the power cable, connecting status between the computer and printer and then follow the firmware update procedure from the start again.

[Updating the firmware] appears but the status does not proceed and the message below appears after a few seconds or minutes.



Cause: The IP addresses set in the printer and the program are different. The Main Power switch is turned off (switched to [O]) The Sub Power switch is turned on (POWER LED is lit.)

Solution: Check the IP address on the printer and input it to the Updater Program again. Turn on the Main Power SW on the printer. (Switch to []] side.) Turn off the Sub Power SW. (POWER LED is not lit.)

## Step 2: Converting ECO-SOL ink to ECO-SOL MAX ink.

- 1. Check if the Main Power and Sub Power Switch are ON.
- 2. Press the [MENU] button of the printer.
- 3. Press the  $\blacktriangle$  or  $\mathbf{\nabla}$  cursor key of the printer and scroll the menu.



10. **128 497 59 10 11 12** appears. Remove the ECO-SOL ink cartridges from the blinking slots. When all ECO-SOL ink cartridges are removed, converting will be started.

11. Open the seal of the ECO-SOL MAX ink cartridges and gently shake the ECO-SOL MAX ink cartridges.



12. Following message appears in panel during operation. Insert the ECO-SOL MAX ink cartridges to the slots that are blinking.



Or following display appears.

Remove the ECO-SOL MAX ink cartridges from the slots that are blinking.



\*Insert and remove cartridges several times following the display indication.

13. The ink converting is complete.

14. Check if the all heads are printing correctly by pressing the [TEST PRINT] key on the printer. If printheads do not print correctly, execute head cleaning and TEST PRINT to check.