

Update tool for DS40 Firmware Ver. 1.70

Firmware Update Procedure

August 08, 2023

Dai Nippon Printing Co., Ltd.

 While updating, do not disconnect the USB cable or turn the power off. Do not perform any operations such that could result in an error, such as opening the printer cover. Also, do not start or run other software at the same time.

This is an explanation for the DS40 Version Up Tool, to update the printer's firmware Ver. 1.70.

This update tool can be used for the following OS.

Windows 7 (32bit/64bit)

Windows 10 (32bit/64bit)

1. Running DS40 Version Up Tool

To begin with, turn on one printer and connect it to the host computer with the USB cable. Close the printer cover, and make sure it is idle, paper end, or ribbon end.

Run the DS40 Version Up Tool execute file (DS40_0170_0161x86_Direct.exe) for 32bit OS.

Or,

Run the DS40 Version Up Tool execute file (DS40_0170_0161x64_Direct.exe) for 64bit OS.

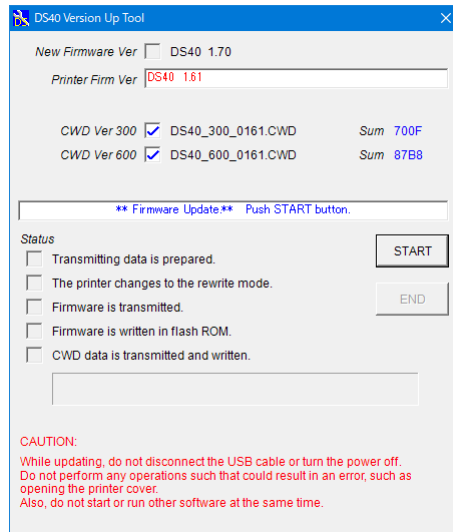
 If the error window is displayed, see Appendix A-1 or A-2.

 If the Printer setting window is displayed, see Appendix A-3.

A confirmation screen that allows you to run this software may appear. In that case, please allow it.

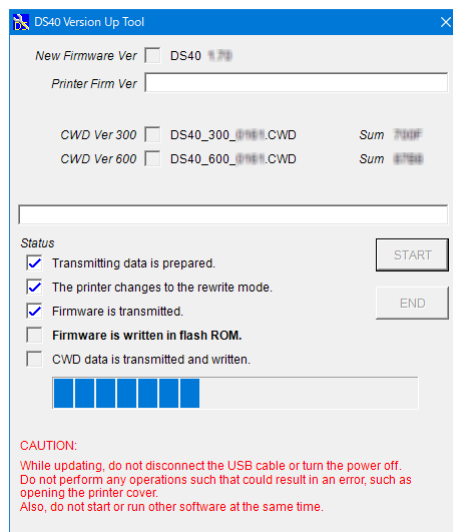
2. Starting the Update

On the DS40 Version Up Tool window, click the “START” button to begin the update.



 If the DS40 occurs any error, the error message is displayed. See Appendix A-4.

When you click “START” and start the update, the window display will change to the following, and you can check the update progress status.



! Notice !

While updating, do not disconnect the USB cable or turn the power off.

Do not perform any operations such that could result in an error, such as opening the printer cover.

Also, do not start or run other software at the same time.

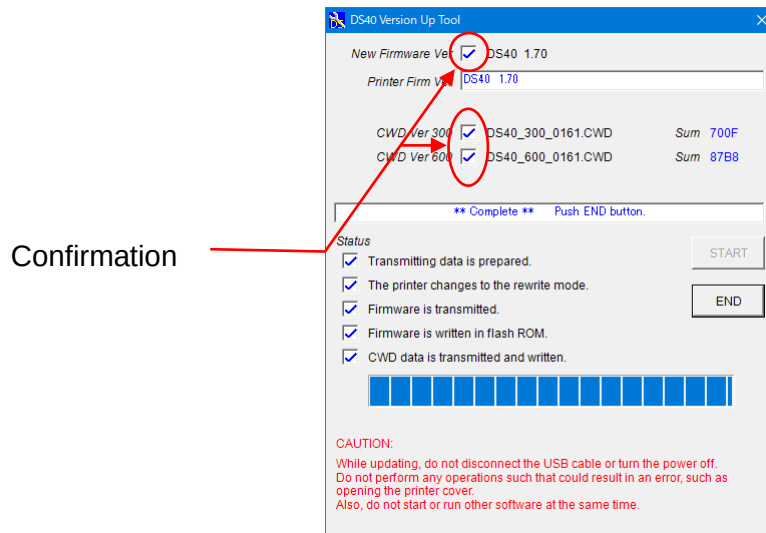
When the printer enters the rewrite mode, the LED will change from green to flashing green.
(The printer buzzer sounds during the update, but it is normal status.)

3. Finishing the update

When all the updates are complete, the window display will look like the following.

Also, the printer LED will revert from flashing green to green.

Confirm the New Firmware and New CWD Ver boxes are checked, and click the “END” button or close the window to end DS40 Version Up Tool.



When all the updates are completed, reboot the host computer.

When the host computer is not rebooted, the new function might not be able to be used.

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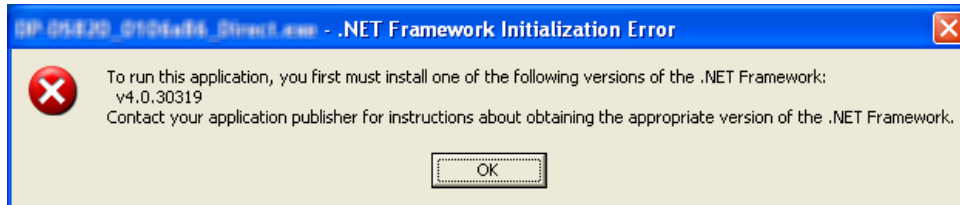
⚠ The contents of this document may be changed without prior notice.

Note: Windows is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.

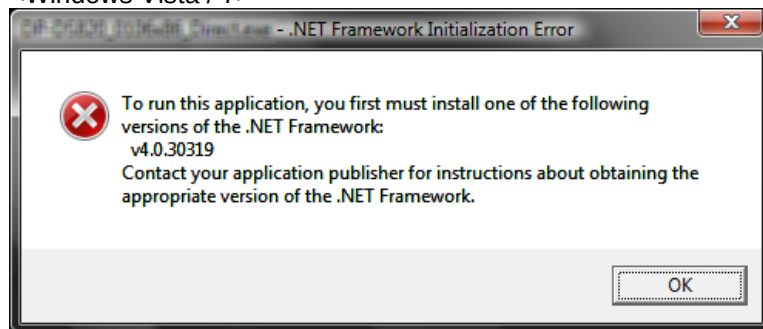
Appendix A

1. If .NET Framework is not installed in the host computer, error messages are displayed.
For supporting 32/64bit OS, this Version Up Tool is an application which use .NET Framework. When the start of this tool by XP/Vista/7 and the following message are displayed, it is necessary to install Microsoft .NET Framework. (In Windows 8 and later, the .NET Framework is installed by the standard.)

<Windows XP>



<Windows Vista / 7>

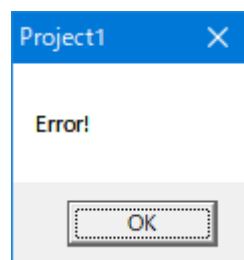


.NET Framework can be downloaded from following URL. The version that can be used is different depending on each OS. Details are described in URL. (This URL is a thing as of August 2023)

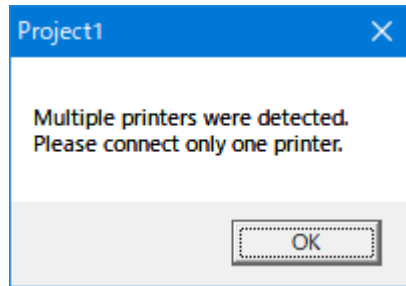
.NET Framework 4 download (Windows XP and later)

<https://www.microsoft.com/en-us/download/details.aspx?id=17718> (English)

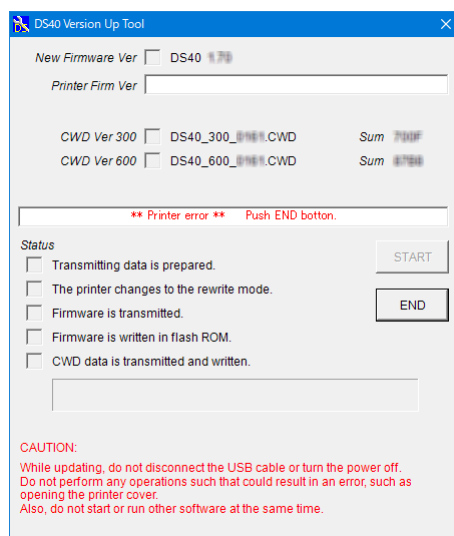
2. If there are no printer ports, the following confirmation window will open.
After checking that power is on and the USB is connected, click "OK" to start the process again.



3. When running DS40 Version Up Tool, if there are multiple printer ports, the following confirmation window will open.
Connect only one printer, click “OK” to start the process again.



4. When starting the update, if the printer status is anything other than idle, paper end, or ribbon end, the following printer error will be displayed. The same error will be shown if the USB cable is disconnected or the printer power is off.



If there is an error, click “END” or close the window to stop DS40 Version Up Tool, be sure it is idle, paper end, or ribbon end, and run DS40 Version Up Tool again.
If the USB cable was disconnected or the power was off, check that the USB cable is connected and the power is turned on.

Appendix B

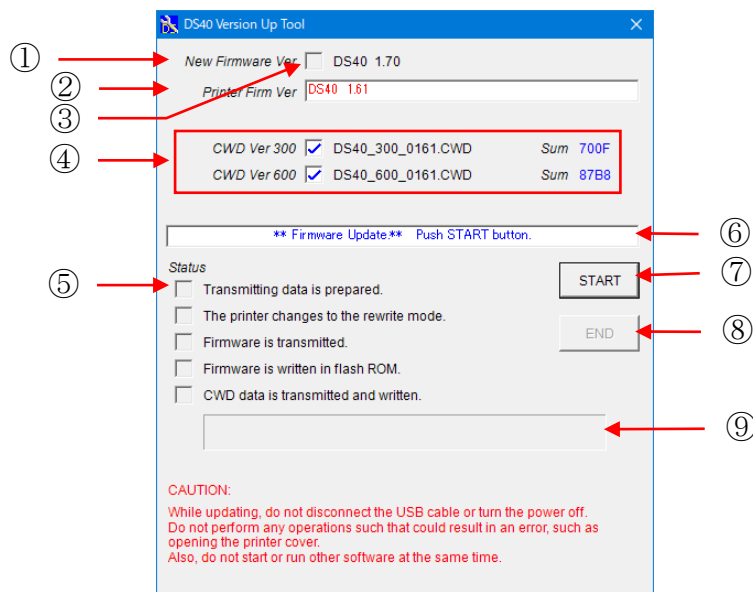
1. DS40 Version Up Tool Execute File Names

The DS40 Version Up Tool has a specific execute file for each version to be updated.

The execute file names provided with the DS40 Version Up Tool this time, and their corresponding update firmware and color control data versions are shown below.

	For 32bit OS	For 64bit OS
DS40 Version Up Tool Execute File Name	DS40_0170_0161x86_Direct.exe	DS40_0170_0161x64_Direct.exe
Firmware Version	DS40 1.70	
Color Control Data Version and Checksum	DS40_300_0161.CWD 700F DS40_600_0161.CWD 87B8	

DS40 Version Up Tool Window Explanation



DS40 Version Up Tool Window

- | | |
|------------------------------|---|
| ① New Firmware | This displays the new firmware version that will be used in the update. |
| ② Printer Firm Ver | This displays the printer's current firmware version.
If it differs from the new version, it will be displayed with red letters. |
| ③ Check Box | This box will have a check if the new firmware or color control data has already been written to the printer, or if the update has been completed. |
| ④ CWD Ver 300
CWD Ver 600 | This displays the new color control data version and checksum value (Sum) to be updated.
When the update is complete, the Sum value will be displayed in blue.

<div style="margin-left: 40px;"> CWD Ver 300 : CWD for 300dpi
 CWD Ver 600 : CWD for 600dpi </div> |
| ⑤ Status | This checks the progress status for the update. |
| ⑥ Indicator | This shows the printer's current status, and the application operating command. |
| ⑦ START | Update start button
Clicking this button starts the update. |
| ⑧ END | End the update. (Disabled during updating) |
| ⑨ Status Bar | Displays the progress status for the update. |