

Update tool for DP-DS620 Firmware and Color-control Data

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This is an explanation for the DP-DS620 Version Up Tool, to update the printer's firmware and color control data.

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1. DP-DS620 Version Up Tool Execute File Names

The DP-DS620 Version Up Tool has a specific execute file for each version to be updated.

The execute file names provided with the DP-DS620 Version Up Tool this time, and their corresponding update firmware and color control data versions are shown below.

	For 32bit OS	For 64bit OS
Folder	\DP-DS620_0141_Win32	\DP-DS620_0141_Win64
DP-DS620 Version Up Tool Execute File Name	DP-DS620_0141x86_Direct.exe	DP-DS620_0141x64_Direct.exe
Firmware Version	DS620 01.41 (Data File Name DS620_0141.s)	
Color Control Data Version and Checksum ()=Data File Name	DS620_300_0100.CWD 28B8 (DS620_300_0100.cwd) DS620_600_0110.CWD FDA7 (DS620_600_0110.cwd) DS620_610_0110.CWD 5405 (DS620_600_0110.cwd)	
DLL file to use	cspstat.dll	cspstat64.dll

When executing, select all the files of one of the above shown folders according to OS environment of use, and save into one folder.

(The firmware and color control versions shown in the following explanations differ from that provided at this time.)

2. Running DP-DS620 Version Up Tool

To begin with, turn on the printer and connect it to the host computer with the USB cable.
Set the paper and ribbon into the printer, close the cover, and make sure there is no error (Printer LED is green).

Run the DP-DS620 Version Up Tool execute file (*.EXE).

Note) For supporting 32/64bit OS, this Version Up Tool is an application which use .NET Framework.
When the start of this tool by XP and the following message are displayed, it is necessary to install Microsoft.Net Framework. (In Windows 7 or Windows Vista, the .Net Framework is installed by the standard.)

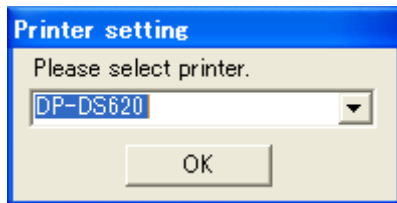


.Net Framework can be downloaded from following URL. The version that can be used is different depending on each OS. Details are described in URL. (This URL is a thing as of October 2016)

- .Net Framework 3.5 sp1 download (Windows XP and later)
<https://msdn.microsoft.com/en-us/vstudio/aa496123.aspx> (English)

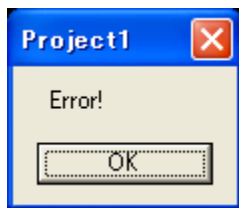
When running DP-DS620 Version Up Tool, if there are multiple printer ports, the following printer select window will open.

Select the appropriate printer, and click “OK”.



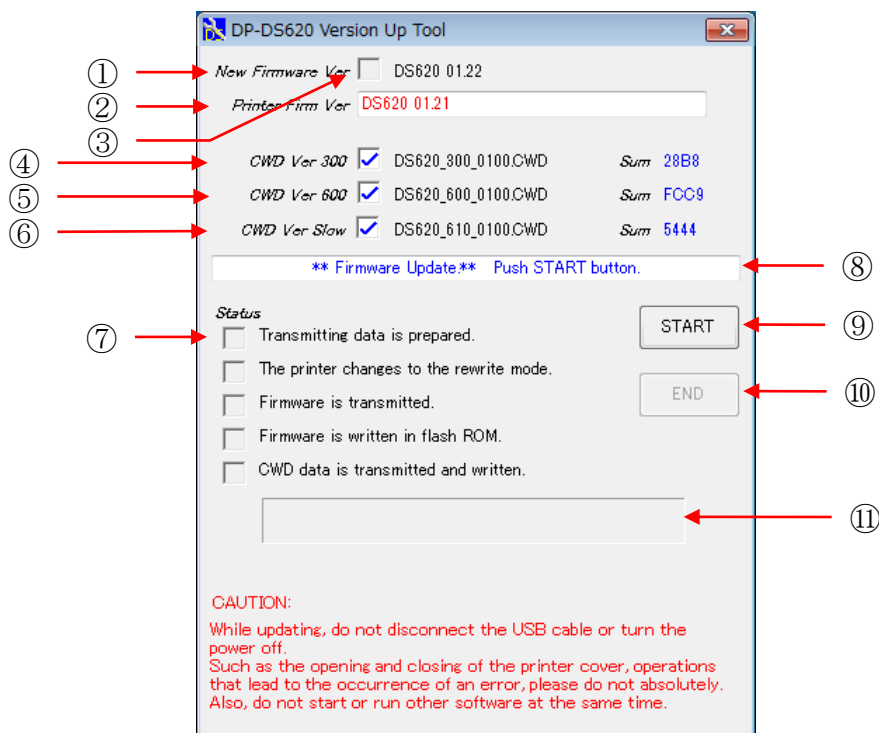
If there are no printer ports, the following confirmation window will open.

After checking that power is on and the USB is connected, click “OK” to start the process again.



3. DP-DS620 Version Up Tool Window Explanation

Once DP-DS620 Version Up Tool is running, the following window will open.

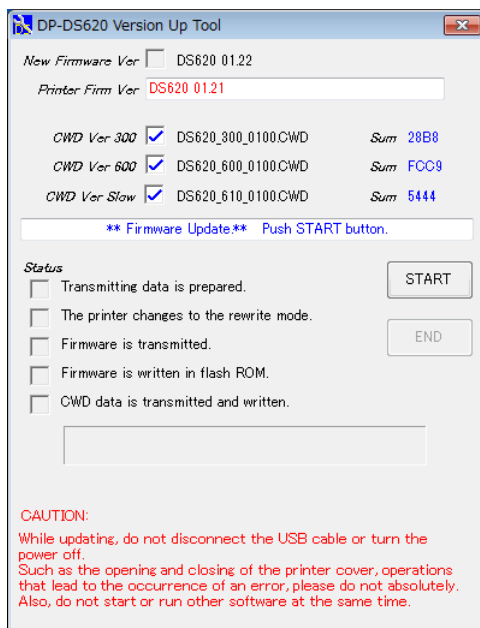


DP-DS620 Version Up Tool Window

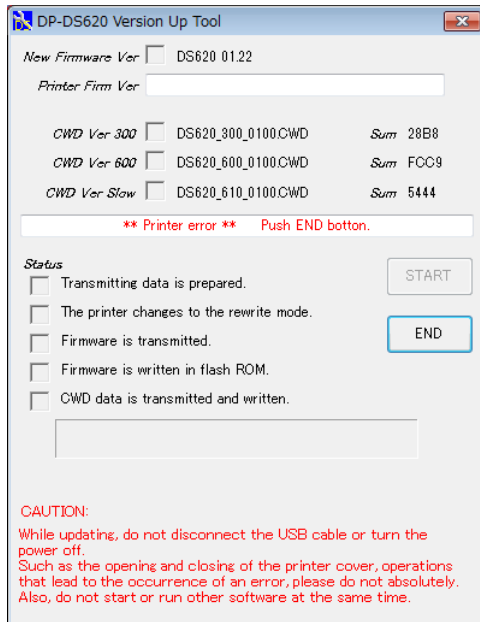
- | | |
|--------------------|--|
| ① New Firmware | This displays the new firmware version that will be used in the update. |
| ② Printer Firm Ver | This displays the printer's current firmware version.
If it differs from the new version, it will be displayed with red letters. |
| ③ Check Box | This 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 | This displays the new color control data (300 dpi resolution) version and checksum value (Sum) to be updated.
When the update is complete, the Sum value will be displayed in blue. |
| ⑤ CWD Ver 600 | This displays the new color control data (600 dpi resolution) version and checksum value (Sum) to be updated.
When the update is complete, the Sum value will be displayed in blue. |
| ⑥ CWD Ver Slow | This displays the new color control data (Slow Speed) version and checksum value (Sum) to be updated.
When the update is complete, the Sum value will be displayed in blue. |
| ⑦ Status | This checks the progress status for the update. |
| ⑧ Indicator | This shows the printer's current status, and the application operating command. |
| ⑨ START | Update start button
Clicking this button starts the update. |
| ⑩ END | End the update. |
| ⑪ Status Bar | Displays the progress status for the update. |

4. Starting the Update

On the DP-DS620 Version Up Tool window, click the “START” button to begin the update.



When starting the update, if the printer has error, the following printer error will be displayed. The same error will be shown if the USB cable is disconnected or the power is off.



Printer Error

If there is an error, click “END” or close the window to stop DP-DS620 Version Up Tool, fix the error, be sure there are no errors (printer LED is green), and run DP-DS620 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.

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

The screenshot shows the 'DP-DS620 Version Up Tool' window. At the top, 'New Firmware Ver' is set to 'DS620 01.22'. Below it, 'Printer Firm Ver' is empty. A table lists three CWD versions: 'CWD Ver 300' (DS620_300_0100.CWD, Sum 28B8), 'CWD Ver 600' (DS620_600_0100.CWD, Sum FCC9), and 'CWD Ver Slow' (DS620_610_0100.CWD, Sum 5444). The 'Status' section has five checkboxes: 'Transmitting data is prepared.' (checked), 'The printer changes to the rewrite mode.' (checked), 'Firmware is transmitted.' (unchecked), 'Firmware is written in flash ROM.' (unchecked), and 'CWD data is transmitted and written.' (unchecked). There are 'START' and 'END' buttons. A progress bar with five blue segments is shown. A red 'CAUTION' message at the bottom states: '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.'

! 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.

When the firmware update is complete, the printer’s buzzer will beep, the new firmware will be run automatically, and the color control data update will begin.

5. 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 DP-DS620 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.

Confirmation

The screenshot shows the 'DP-DS620 Version Up Tool' window after the update. 'New Firmware Ver' is checked and set to 'DS620 01.22'. 'Printer Firm Ver' is set to 'DS620 01.22'. The table of CWD versions now has all three rows checked: 'CWD Ver 300', 'CWD Ver 600', and 'CWD Ver Slow'. The 'Status' section has all five checkboxes checked: 'Transmitting data is prepared.', 'The printer changes to the rewrite mode.', 'Firmware is transmitted.', 'Firmware is written in flash ROM.', and 'CWD data is transmitted and written.'. The 'END' button is highlighted. A message says '** Complete ** Push END button.'. The progress bar is now full with ten blue segments. The red 'CAUTION' message is still at the bottom.