

README DNP DS620A Printer Firmware v4.52 Update Utility for Windows

General Information:

This firmware update utility will install v4.52 firmware onto the DS620 or DS620A photo printer. Installing this firmware will add certain functionality to the printer. See the list of feature improvements list below under firmware revision history.

Installing the most current firmware version will include all improvements of the previous firmware updates. Installing each of the incremental updates are not necessary.

NOTICE:

This firmware installation CAN NOT be reversed or uninstalled.

Important Note:

The v4.xx firmware is backwards compatible. It is supported in all current and older gen DS620A printers.

However, the new v4 generation DS620A printer with identified by Serial Number prefix "DA6C"xxxxxxx and "DB6C"xxxxxxx cannot accept older v1.xx firmware versions.

The previous gen DS620A printers have a SN prefix "DS6C"xxxxxxx and "DS6X"xxxxxxx can accept the v4.xx firmware or older v1.xx firmware.

Supported OS

This firmware update utility supports Windows 10/11.

Brief Overview - Operation Information for the Update Utility:

To use this firmware update, please review the detailed install instructions that accompany the update utility or download it from the DNP web site.

Preparation:

Ensure the printer is Idle, ready, and has print media loaded.

After unzipping (ZIP) or opening the disc image file (DMG) copy or save the contents to your computer desktop. Review the update installation information, then run the update application file.

Summary of step:

1. Confirm your DNP printer is connected and powered on and ready.
The utility cannot operate with an error light/error condition.
2. Confirm the printer is loaded with print media and Ready.
3. Select the folder that matches your operating system, either 32bit or 64bit (hint - most operating systems Windows 7 or later are 64bit)
4. Double click the Firmware Update executable file,
DP-DS620_0452x86_Direct or DP-DS620_0452x64_Direct.
You should see only one executable file, the name will depend on the folder that was opened.
5. Follow the directions of the application as prompted.
Refer to the complete user guide for the update for more information.

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NOTE: the routine has two main segments, DO NOT interrupt until the update is complete.

- The entire process will take about a minute to complete.

IMPORTANT CAUTION NOTE:

DO NOT turn off or disconnect the printer or PC during this process once it starts.

DO NOT try to make a print or change media during this process.

Firmware Update Revision History

v4.52 release 2025-06

- To address printing issue after paper initialization, the paper initialization operation for some sizes of media codes is changed

v4.33 release 2023-04

- Countermeasure of the ink ribbon being pulled in by the overlap and close contact of the ink ribbon and the paper

v4.31 release 2022-10

- Countermeasure for error that occurs when initializing a specific brand-new ribbon
- Provides backwards compatibility. Supports both new and old design printer mainboard chip sets.

v4.21 release 2022-03

- Optimizes the printer initialization routine to minimize media consumption at print pack reloading
- Maintains the compatibility of the previous vintage DS620A printers with newer generation DS620A printers
- Previously released firmware improvements are all included in the new release

v1.63 release 2021-04

- Corrects intermittent erroneous ribbon error when paper initialization with 6x4 and L size media that may occur when paper initialization with 6x4 and L size media that has been partially consumed

v1.62 release 2020-04

- Improves the ribbon panel detection during re-initialization by using the renewed sensor data after returning from standby mode

v1.61 release 2019-04

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- L size or 3.5x5" media is supported

v1.52 release 2017-07

- Print finish type Fine Matte is supported
- Throughput improvement for 300dpi Matte print and Partial Matte printing

v1.41 release 2016-11

- Continuous Panorama Printing is supported
- Add Partial Matte function
- Countermeasure for unexpected reboot
- Partial change of the cut direction of scrap cut

v1.34 release 2016-05

- Head position error is fixed
- Print finish type Luster Matte is supported

v1.10 release 2015-04

- A5W size or 6x9" media is supported

Release Notes for iSerial USB functionality (legacy printers):

Operational and usability improvements of certain DNP photo printers on Windows and Mac platform computers can be achieved with the addition of iSerial USB functionality. After the firmware is installed, the iSerial function must be enabled using a separate utility available from the DNP web site.

The DS620 has this iSerial support by default. Certain older vintage of 820 and RX1 printers may require a firmware update and the iSerial function to be enabled to achieve the desired operability.

With iSerial Function Enabled the following operation improvements occur:

- For the Mac Platform, enabling the iSerial feature will allow multiple DS620, DS820, or RX1HS printers to be connected to the Mac OS. All connected DNP DS printers must have iSerial enabled for proper operation in a multi printer environment on the Mac.

- For Windows, with iSerial enabled the driver iterations DS620 Copy 1, DS620 Copy 2, etc. are eliminated when the printer is reconnected to a different USB port. After the first reconnect after the FW update, it will automatically reconnect to any USB port on the PC the DS620 was previously connected without creating another driver copy iteration.

Other Resources: Windows and Mac Drivers, Printer and Driver Documentation, as well as product literature may be downloaded from the DNP website. <https://dnpphoto.com/en-us/>

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