

README DNP DS40 Printer Firmware v1.70 Update Utility for Windows

General Information:

This firmware update utility will install v1.70 firmware onto the DS40 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.

Functional improvements of DS40 v1.70 firmware

- Adds iSerial functionally for the USB protocol of the DS40 printer.

Note: This iSerial functionality allows the DNP printer to be uniquely identified by the PC and is now required for Windows 11 PCs. Likewise, the DS80 printer needs to have iSerial firmware installed to operate on Windows 11. All other newer generation DS printers come with iSerial factory installed.

Important Note:

DNP recommends running the DS40 firmware update utility on a Win7/10 PC only for assured operation. The DS40 v1.70 firmware update is not guaranteed to work on Win11; v1.70 FW update is designed to work only on Win7/10. If you want to use DS40 with v1.70 firmware on Windows 11 PC, please update the firmware a Windows 7/10 first.

Downgrading from 1.70 must also be done on Windows 7/10.

Other Scenarios:

When DS40 printers with old firmware are connected to Win11 PC, the v1.70 FW update cannot work. This is because Firmware versions below 1.70 do not have the function to enable iSerial. Without iSerial the Win11 OS PC cannot identify the printers or tell the printers apart.

Supported OS:

This firmware update utility supports Windows 7/10.

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.

README DNP DS40 Printer Firmware v1.70 Update Utility for Windows

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,
DS40_0170_0161x86_Direct or DS40_0170_0161x64_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.

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

v1.71 release 2023-11

- iSerial functionality is added

v1.61 release 2018-05

- The matte finish is improved by adjustment of the matte energy for the over coat layer

v1.60 release 2015-08

- Square cut, 6x6 for 6x8 size media is added
- Multi cut option 5x3.5 x 2 for 5x7 size media is added

V1.40 release 2011-10

- 2-inch cut is added

README DNP DS40 Printer Firmware v1.70 Update Utility for Windows

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/>

Contact DNP

DNP Imagingcomm America Corp.

4524 Enterprise Drive NW

Concord, NC 28027

Phone: 704-784-8100

Fax: 704-784-7196

<https://dnpphoto.com/en-us/>

Technical Support Contact Information and Regular Business Hours of Support

Phone US and Canada: 1-855-367-7604 or +1-980-777-1178

Phone Latin America: 1-855-367-8008 or +1-980-777-1175

Email: dnpsupport@dnp.imgcomm.com

(C) 2026 DNP Imagingcomm America Corp.