

## README 1st for DNP DS40 Printer Firmware v1.70 Update Utility for Windows

### General Information:

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

Installing this firmware may add functionality or modify printer behavior for improved functionality.

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

### Functional improvements of DS40 v1.70 firmware

- Adds iSerial Number functionality for the USB protocol of the DS40 printer.

Note: This iSerialNumber 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 iSerialNumber firmware installed to operate on Windows11. All other newer generation DS printers come with iSerialNumber factory installed.

### Important Notice:

DNP recommends running the DS40 Firmware update utility on a Win10 / Win7 PC only for assured operation. The DS40 v1.70 FW update is not guaranteed to work on Win11; v1.70 FW update is designed to work only on Win10/7. If you want to use DS40 with v1.70 firmware on Windows 11 PC, please update the firmware using a Windows 7/10 first.

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

### Other scenarios:

When DS40/80 printers with old FW 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 iD the printers or tell the printers apart.)

### Operation Notes on the DNP Windows Printer Drivers

The DS40 Windows Drivers are separate for Win11 and Win10/7. Use the appropriate driver for the OS.

- The DS40 Win11 Only printer driver is Not for use on Win10/7.
- The existing Win10/7 printer driver remains actively supported for those OS versions. It is not for use on Win11 PCs.
- Refer to the driver documentation for more info.

#### Instructions for update:

- 1 Confirm your DNP printer is connected and powered on
- 2 Download the firmware update file
- 3 Unzip the file that was downloaded (Without this step, the update tool will not run)
- 4 Select the folder that matches your operating system, either 32bit or 64bit (hint - most operating systems Windows 7 or later are 64bit)
- 5 Double click on the application file, DS40\_0170x86\_Direct or DS40\_0170x64\_Direct. You should see only one application file, the name will depend on the folder that was opened.
- 6 Follow the directions of the application as prompted.

#### Instructions for downgrade:

- 1 Setting media
- 2 Launch the firmware update utility v1.61
- 3 Click "START"
- 4 "\*\*\*Printer error\*\* Push END button." is displayed. Click "END".
- 5 Unplug the USB cable connected to the printer and plug it back in
- 6 Launch the firmware update utility v1.61
- 7 Click "START"
- 8 After "Complete" is displayed, click "END".

NOTE: The LEDs on the printer will flash while the firmware is being updated.

- The printer will "beep" several times during this process.
- The computer display will show the update progress.
- Wait until the update process has completed.
- DO NOT interrupt the process. The dialog box will indicate completion.
- 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.

Note:

Some new features require the complementary printer driver update to enable and use the functions.

What's being updated?

DS40 v1.70 - 2023-12

- iSerial functionality is added

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