

DS-RX1HS Printer Firmware v2.21 Update Utility 2023-03

General Information:

This firmware update utility will install v2.21 firmware onto the DS-RX1HS photo printer. Installing this firmware will add certain functionality to the printer. See the list of feature improvements listed below under firmware revision history.

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

The firmware update utility Mac supports OS 13 Ventura, and OS 12 Monterey.

Refer to the Firmware Update User Manual for more complete details using this utility, a brief version is found below.

NOTICE:

This v2.xx firmware update installation CAN NOT be uninstalled.

The firmware may be installed onto a DS-RX1HS printer that is less than or equal to the firmware version in the update utility. Once updated with this firmware update package, a lower version firmware cannot be installed.

IMPORTANT CAUTION NOTE:

DO NOT interrupt the firmware update process once it starts; doing so could damage the printer.

DO NOT turn off or disconnect the printer or PC during this process. DO NOT unplug the data cable, or open the printer front door, or interrupt the update process in any way. The printer may be permanently damaged requiring costly repair.

NOTE: The LEDs on the printer will flash while the firmware is being updated. The printer will "beep" several times during this process.

Wait until the process has completed. A Dialog box will appear. The entire process will take about a minute to complete.

Using the Update Utility:

Ensure the printer is Idle, and has print media loaded, and no error condition exists.

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

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

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

When the update begins, a NOTICE window will appear, informing you of certain criteria concerning the installation of the firmware onto the target printer. In particular, the notice points out the one-way nature of the update and the requirement to use only DNP RX1HS media after the update.

Special Notes on updating a RX1 with v1.x firmware

NOTE: for DS-RX1 model printer with v1.xx firmware when update to v221 or greater firmware, the printer must first be updated to v2.0x or v2.1x firmware. In other words, it is a two-step process when the printer is currently at v1.x

The use of RX1HS print media pack will be REQUIRED after the v2.xx firmware update is installed on a RX1 v1.x FW printer. All RX1HS branded printers made since 2016 have v2.x and require RX1HS type print media.

BEFORE installing the v2.xx firmware update onto a RX1 printer with version 1.xx firmware, please use up all old non-HS RX1 media packs. After the v2.xx firmware update is installed, the RX1 media packs will no longer work in the upgraded printer.

When the v1.xx to v2.xx update completes, restart the printer ensuring it is loaded with RX1HS print media; otherwise a long beep error signal will occur. Subsequent printing to the updated printer with non-HS media loaded in the RX1 will result in very very light, white only printouts. Switch to RX1HS media for correct operation and printouts.

RX1 v2.xx firmware Feature Improvements over v1.xx firmware:

Increased printing speed. Up to 20% print speed increase over firmware v1.xx resulting in a maximum throughput of 290 prints per hour when using 4x6 print media.

Release Notes for iSerial USB functionality:

Operational and usability improvements of the printer on Windows and Mac platform computers can be achieved with the addition of iSerial USB functionality. After the v2.xx firmware is installed, the iSerial function must be enabled using a separate utility available from the DNP web site. Current production if RX1HS have iSerial factory enabled since 2018.

With iSerial Function Enabled the following improvements occur:

- For Windows, with iSerial enabled driver iteration RX1 Copy 1, RX1 Copy 2, etc are eliminated when the printer is connected 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 RX1 was previously connected without creating another driver copy iteration.

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- For the Mac Platform, with iSerial enabled the function will allow multiple DNP RX1 printers to be connected to the Mac. All connected DNP DS printers must have iSerial enabled for proper operation in a multi printer environment.

NOTICE: The separate iSerial Enable Tool must be run to turn on, enabling the iSerial functionality for all RX1 printers and RX1HS printers produced prior to 2018.

RX1 Firmware Revision History

RX1HS v2.21 release 2023-03

Provides backwards compatibility. Supports both new and old design printer mainboard chip sets.

RX1HS v2.10 release 2021-06

Improvement to the shutdown process preserving media in case of unexpected mid-print power off.

2020-09

Update the security descriptors of RX1HS Firmware Utility for Mac OS 10.15 - The firmware version is unchanged.

RX1 v2.07 release 2018-07

- Improvements include

Corrects cutter errors when using no-scrap, one cut mode.

- CWD Data:

300_0201.cwd - Checksum 7CED

600_0100.cwd - Checksum 9BFE

RX1 v2.06 release 2017-08

- Improvements include the addition to new print cut sizes.*

- 5x5 print cut is supported for 5x7 print media**

- 6x6 print cut is supported for 6x8 print media

RX1 v2.05 release 2016-08

- Improvement in the detection of the inter-panel marks on the Print Ribbon.

RX1 v2.04 release 2016-03

- Print Speed improvements

- Use for RX1HS print media

- Support for iSERIAL USB functionality.

RX1 v1.10 release 2011-12

- Add cut mode for 2x6 photo strips on 4x6 and 6x8 print media.

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Notes:

* Some new features and print sizes require the complementary printer driver update to enable the function.

** Print media pack sizes are limited to certain sales regions, check with your local reseller.

Other Resources:

To find out the firmware version of the RX1 printers, the firmware updater will report the current version prior to installing the update. The printer driver will also show status of the printer and firmware version. Download the DNP Printer Driver from our website:

<http://www.dnpphoto.com/Support/Downloads>

For Mac users, the DNP Printer driver has a window to display the firmware version and the print media loaded.

Windows and Mac Printer Drivers for DNP Printers and Driver Documentation, as well as product literature may also be downloaded from the DNP website: WWW.DNPPHOTO.COM

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