

Installing the Color Profile for the DS-Series or RX-Series Printers

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Introduction

This quick guide will show the steps to install and select a new ICC color profile for the DNP Printer Driver. Instructions for the various OS versions are shown in separate selections.

The DNP photo printers covered in the guide are QW410, DS620A, DS820A, DSRX1, and DSRX1HS, as well as the legacy DS40 and DS80 printers.

From time to time, DNP will create new color profiles with certain improvements to use with the DS-Series and RX-Series printers. Users are encouraged to try out the available profiles to judge the results and employ the most favorable one for your photo printing needs.

Use this instruction sheet to install the files on Windows[®] 7, Windows 8.1, Windows 10, Windows XP, and Mac OS operating systems. At this writing, ICC installation instructions for Windows 10 and Windows 11 are mostly the same.

Visit the DNP web site to download ICC profiles.

https://dnpphoto.com/en-us/Support/Downloads/Drivers-Tools

Section A.: Installing ICC Profiles - Windows 10 & 11

NOTE: The procedures noted in this guide pertain to all DNP DS Printers.

Installing an ICC profile on the host computer

1. Right click on the ICC profile being installed. From the drop-down list, select **Install Profile**. This will copy the ICC profile to the correct directory.



Installing an ICC profile on the printer driver

1. Navigate to **Control Panel** and right click on **Color Management**.

```
NOTE: If Control Panel is set to View by: Category, please change to Large Icons.
```

| | nt | | |
|----------------------|---------------------------------|-------------------------------|-----------------|
| Devices All Profiles | Advanced | | |
| Device: | Display: 1. Generic PnP Monitor | - Intel(R) HD Graphics Family | |
| | Use my settings for this device | e Ide | entify monitors |
| | | | |
| | | | |
| | | | |
| Add | Remove | Set as 0 | Default Profile |

2. From the drop-down list at the top of the page, select the printer being profiled.

| Device: 🔰 | Display: 1. Generic PnP Monitor - Intel(R) HD Graphics Family | ~ |
|------------------------------|--|------------------------|
| | Display: 1. Generic PnP Monitor - Intel(R) HD Graphics Family Printer DP-OW410 | |
| | Printer: EPSON-Receipt_Printer_Ethernet Printer: Fax Printer: FullFILM CX 3240 PCL 6 | |
| Profiles associated with the | Printer: HP DeskJet Plus 4100 series | |
| Name | Printer: HP Smart Printing Printer: Microsoft Print to PDF Printer: Microsoft XPS Document Writer Printer: OKI C931(PS) Printer: OneNote (Desktop) Printer: OneNote for Windows 10 Printer: PDF995 | |
| | | |
| Add Rer | nove | Set as Default Profile |

3. Check the box next to Use my settings for this device.

| levice: 🥌 | Printer: DP-QW410 | | , |
|-----------------------|---------------------------------|-------------|------------------------|
| | Use my settings for this device | | Identify monitors |
| rofile selection: | Automatic (Recommended) | | |
| rofiles associated wi | th this device: | | |
| Name | | File name | |
| ICC Profiles | | | |
| SD_QW410-GLBv2.id | c | SD_QW410-GL | .Bv2.icc |
| PD_QW410-GLBv2.ie | cc | PD_QW410-GI | LBv2.icc |
| ICC Profiles (Advar | nced Color) | | |
| SD_QW410-GLBv2.id | c | SD_QW410-GL | .Bv2.icc |
| PD_QW410-GLBv2.i | cc | PD_QW410-GI | LBv2.icc |
| | | | |
| Add | Remove | | Set as Default Profile |
| Inderstanding color | management settings | | Profiles |

4. Make sure the check box next to **Use my settings for this device** is checked and **Profile Selection** is set to **Manual**.

| evice: | Printer: DP-QW410 | | |
|-----------------|---------------------------------|-----------|-------------------|
| | Use my settings for this device | | Identify monitors |
| ofile selection | n: 📣 Manual | | |
| ofiles associa | ated with this device: | | |
| Name | | File name | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

5. Click on Add, then click on the ICC profile to be installed from the drop-down list.

| Device: | Printer: DP-QW410 | | ~ |
|----------------------|--|----------------------|----------|
| | Use my settings for this device | Identify r | nonitors |
| Profile selection: | Manual | | ~ |
| rofiles associated w | vith this device: | | |
| Name | | File name | |
| | | | |
| | | | |
| Add | ssociate Color Profile | | |
| | Choose a profile from the list of profiles insta | illed on the system. | |
| Inderstanding c | Name | File name | |
| | RX1_v2^160720_SC-16cp-8 | RX1_v2.icc | |
| | Agfa : Swop Standard | RSWOP.icm | |
| | PD_QW410-GLBv2.icc | PD_QW410-GLBv2.id | c |
| | PD_DS620-R0_df3 | PD_DS620-R0_df3 (1 |).icc |
| | PD_QW410-230524-3+0.icc | PD-QW410-230524.i | cc |
| | Republication and the second | | |

6. *IF* more than one ICC profile is on the page, set the profile to be used as (default.)

| Device: 🤝 | Printer: DP-QW410 | | ~ |
|-------------------------|---------------------------------|-------------|------------------------|
| | Use my settings for this device | | Identify monitors |
| Profile selection: | Manual | | × |
| Profiles associated wit | th this device: | | |
| Name ICC Profiles | | File name | |
| PD_QW410-230524- | 3+0.icc (default) | PD-QW410-23 | 30524.icc |
| ICC Profiles (Advan | nced Color) | | |
| PD_QW410-230524- | 3+0.icc (default) | PD-QW410-2: | 30524.icc |
| Add | Remove | | Set as Default Profile |
| Understanding color i | management settings | | Profiles |

Section B.: Updating Windows 7 or Windows 8

The images used in this section are from a Windows 7 system and are for reference only. Use the same steps to add the new color profiles to a Windows 8 system.

| Printer | ICM Name |
|--------------|-------------------|
| DS40 Printer | DS40_20140228.icm |
| DS80 Printer | DS80_20140228.icm |
| RX1 Printer | RX1_20140228.icm |

1. Copy the ICM file and paste it in the following location:

Windows > System32 > Spool > Drivers > Color

- 2. From the control panel or the Start menu, locate the **Devices and Printers** option.
- 3. When the Devices and Printers window opens, locate your printer and right-click on the desired printer.
- 4. Select **Printer Properties** from the drop-down menu.



5. From the **Printer Properties** menu, select the **Color Management** tab, then click the **Color Management** button.



6. Select your printer from the **device** drop-down list.

| Color Management | | × |
|------------------------------|--|--------------------------|
| Devices All Profiles Advance | ed . | |
| Device: 🔤 | Display: 1. ThinkPad MaxBright Display 1600x900 - Int | el(R) HD Graphics 4000 🔹 |
| Profiles associated with th | C 112 | |
| ICC Profiles | termine and termine | |
| Lenovo ThinkPad MaxBi | Printer: 0540 Printer: Fax Printer: HP Photosmart C6100 Printer: Send To OneNote 2013 | |
| Add Rer | nove | Set as Default Profile |
| Understanding color man | agement settings | Profiles |
| | | Close |

7. Verify that Use my settings for this device checkbox is checked and that Profile selection is set to Manual.

| | Use my settings for this device | | Identify moni |
|---------------------|---------------------------------|-----------|---------------------|
| Profile selection | Manual | | |
| Profiles associated | with this device: | | |
| Name | | File name | |
| ICC Profiles | | | |
| | | G | |
| | | | |
| | | | |
| | Remove | | Set as Default Prof |

8. Click the Add button under the Profiles associated with the device section.

| Color Management | — X — |
|---|--------------------------------|
| Devices All Profiles Advanced | |
| Device: Printer: DS40 ✓ Use my settings for this device Profile selection: Manual | Identify monitors |
| Profiles associated with this device: | |
| Name | File name |
| ICC Profiles IMSA_DS40_2014-02-28_BL(ushi) (default) | DS40_20140228.icm |
| | 6 |
| Add <u>R</u> emove | <u>S</u> et as Default Profile |
| Understanding color management settings | Profiles |
| | Close |

9. From the list of available ICM files, select the correct ICM file, and click **OK**.

ATTENTION:

Make sure you are loading the correct ICM for your printer (DS40, DS80, and RX1).

If you followed the instructions in step 1 on page 1, your new ICM profile is located in the following directory: Windows > System32 > Spool > Drivers > Color 10. Verify that the new ICM is displayed under the Profiles associated with the device section. Do this by checking that the ICM file name matches the printer ICM name in the chart at the beginning of this section (shown with a red arrow in the image below).

NOTE:

The old ICM file will still be designated as the default ICM at this point (highlighted in blue in the image below).

| | Color Management | | |
|---|-------------------------------------|-----------------------------------|------------------------|
| [| Devices All Profiles Advance | red | |
| | Device: | Printer: DS40 | |
| | | ✓ Use my settings for this device | Identify monitors |
| | Profile selection: | Manual | • |
| | Pro <u>f</u> iles associated with t | his device: | |
| | Name | | File name |
| | ICC Profiles | | 0000 |
| | DS40_121220-10 (defau | it) | DS40.icm |
| | IMSA_DS40_2014-02-28 | _BL(ushi) | DS40_20140228.icm |
| | Add <u>R</u> e | move | Set as Default Profile |
| | Understanding color ma | nagement settings | Pr <u>o</u> files |
| | | | Close |

11. Once you have verified the new profile is loaded, click the **old profile** to select it, then click **Remove**.

| Color Management | |
|---|--------------------|
| Vevices All Profiles Advanced | |
| Device: Printer: DS40 | • |
| ✓ Use my settings for this device | Identify monitors |
| Profile selection: Manual | • |
| Profiles associated with this device: | |
| Name | File name |
| ICC Profiles | |
| DS40_121220-10 (default) | DS40.icm |
| | |
| Add Bemove | as Default Profile |
| Understanding color management settings | Profiles |
| | Close |

12. The newly loaded ICM profile is now the default profile. If you do not see "(default)" next to the profile name, select the profile, then press the **Set as Default Profile** button.

- 13. Close the **Color Management** window by pressing the **Close** button in the lower right corner of the window.
- 14. Click on the General tab in the Printer Properties window and click the Preferences... button.

| DS40 Location: Comment: Model: DS40 Features Color: Yes Double-sided: No Staple: No Staple: No Speed: Unknown Maximum resolution: 600 doi | General Sharin | g Ports Advance | d Color Management | Security Devi | ce Settir |
|---|---|--|--------------------|---------------|----------------|
| Location: Comment: Model: DS40 Features Color: Yes Paper available: Double-sided: No Staple: No Speed: Unknown Maximum resolution: 600 doi | | DS40 | | | |
| Comment: Model: DS40 Features Color: Yes Paper available: Double-sided: No Staple: No Speed: Unknown Maximum resolution: 600 doi | Location: | | | | |
| Model: DS40 Features Color: Yes Paper available: Double-sided: No Staple: No Speed: Unknown Maximum resolution: 600 doi | Comment: | | | | |
| Model: DS40 Features Color: Yes Paper available: Double-sided: No Staple: No Speed: Unknown Maximum resolution: 600 dpi | | | | | |
| Features Color: Yes Paper available: Double-sided: No (6x4) Staple: No Speed: Unknown Maximum resolution: 600 doi | Model: | DS40 | | | |
| Double-sided: No (6x4) Staple: No Speed: Unknown Maximum resolution: 600 dpi | Features | | | | |
| | Color: Yes | | Paper availab | ne: | |
| | Color: Yes Double-sid Staple: No Speed: Unk Maximum | ed: No :nown resolution: 600 dpi | (6x4) | ле: | * |
| Preferences | Color: Yes Double-sid Staple: No Speed: Unk Maximum | ed: No mown resolution: 600 dpi | Paper availat | Print Test F | ← ~ Page |

15. On the **Layout** tab, click on the **Advanced** button.

| 🖶 DS40 Printing Prefere | nces | |
|-------------------------|---------------------|-----------------|
| Layout Paper/Quality | Option Color Adjust | ment |
| Orientation: | | |
| A Portrait | - | |
| Page Order: | | |
| Front to Back | • | |
| Page Format | | = |
| Pages per Sheet | 1 • | |
| Draw Borders | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | Advanced |
| | | 43 |
| | | |
| | | |
| | | |
| | | OK Cancel Apply |

16. In the Advanced Options window, locate the Image Color Management option and select ICM Handled by Host System.

| 📾 DS40 Advanced Document Settings | | | |
|-------------------------------------|-----------------------|--------|--|
| 🖕 🔄 Paper/Output | | | |
| Paper Size: (6x4) | | | |
| Copy Count: <u>1 Copy</u> | | | |
| ⊨ <mark>In</mark> Graphic | | | |
| Print Quality: <u>300 x 300dpi</u> | | | |
| 🖃 📀 Image Color Management | | | |
| ICM Method: ICM Hand | lled by Host System 🦯 | | |
| ICM Intent: Pictures | 13 | | |
| 🖮 膭 Document Options | | | |
| Advanced Printing Features: | Enabled | | |
| Pages per Sheet Layout: <u>Righ</u> | t then Down | | |
| 📄 💏 Printer Features | | | |
| Border: Disable | | | |
| Overcoat Finish: <u>Glossy</u> | | | |
| Print Re-try: <u>Disable</u> | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | OK | Cancel | |

| Printer | ICM Name | |
|--------------|-------------------|--|
| DS40 Printer | DS40_20140228.icc | |
| DS80 Printer | DS80_20140228.icc | |
| RX1 Printer | RX1_20140228.icm | |

17. Close any open system windows.

Repeat these instructions for the any other printers before rebooting the computer.

Section C.: Installing the Profile in Windows XP

| Printer | ICM Name |
|--------------|-------------------|
| DS40 Printer | DS40_20140228.icm |
| DS80 Printer | DS80_20140228.icm |
| RX1 Printer | DS80_20140228.icm |

1. Copy the ICM file and paste it in the following location:

Windows > System32 > Spool > Drivers > Color

2. From the **Printers and Faxes** folder, right-click on the desired printer, and select **Properties** from the dropdown list.

| Townser | | | | | 20+ |
|--|-----|--|--------------------------------------|---------|--------|
| CONTRACTOR And contribution Contractor and con- tractor of the pro- tractor of the pro- tractor of the pro- tractor of the pro- section of the pro | 4 A | Open Open Set at policit reverse montage of investors montage Travelses Unarties of the Openers Section Design Design Design | Really Really Really Really | Caranti | linder |
| er Heros Const Anni Karaman Sanan Ily Sonarris Ily Malan Schlar (NVR) | * 1 | - Anne | | | |
| | | | | | |

3. From the Printer Properties menu, select the Color Management tab.

| Color Management Security | Davisa Safirige |
|------------------------------|-----------------|
| Elevenal Sharing Posts | Advanced |
| 1 N | |
| S 1980 | |
| | |
| Location | |
| Comment: | |
| | |
| Ngdet DS40 | |
| Fastures | |
| Color Yes Paser availa | blac |
| Dauble-adect No | |
| Darla Ma | ~ |
| Sciple: No | |
| Speed Unknown | |
| Maeinate secolution: 800 dpi | |
| | |
| Plysing Parlawanes | Paint Text Page |

4. On the **Color Management** tab, under the **Color Profiles** currently associated with the printer section, click the **Add** button.



5. The default folder for saved ICM files opens. Browse to the new ICM file you saved in the following directory:

Windows > System32 > Spool > Drivers > Color

6. When you have selected the correct ICM profile, click **Add**.



ATTENTION:

Make sure you are loading the correct ICM for your printer (DS40, DS80, or RX1).

If you load the wrong profile, select the incorrect profile on the Color Management Tab, and click Remove before adding the correct profile.

7. Verify that the new ICM is displayed under the *Color Profiles currently associated with the printer* section (shown with red arrow).

| General | Sharing | Ports | Advanced |
|---------------------|--|---|---|
| Color I | Management | Dev | ice Settings |
| Automatic: | settings let you associ . Color profiles control ti f media being used and Windows will automat the list of associated | ate color profile(s) he color on your p I the printer config tically select the b color profiles [Rec | with your color rinter based on th uration. est color profile fro ommended] |
| <u>M</u> anual: | Manually select the d this device from the li | efault color profile st of associated c | for all output from plor profiles |
| | Default color profile: | DS40_0101 | |
| DS40.ici DS40_2(| m 0140228.icm | an an e par Rol. | ^ |
| | | | ~ |

- 8. Once you have verified the new profile has been loaded, click on the **old profile** to select it and click **Remove**. Your new profile is now the default profile.
- 9. Click the **General** tab in the **Printer Properties** window to open the **General Properties** tab. Click **Printing Preferences**.
- 10. From the **Printing Preferences** window, verify that the Layout tab is selected.
- 11. Click the Advanced button.

| DS40 Printing Pref | erences | ? 🔀 | |
|--|---------|-------|--|
| Cayout (Peper/Quality Option) C Overstation O Poptrat O Landscape Page Order O Egat to Back O Back to Front Pages Per Sheet 1 v | | | |
| | Adga | roed. | |

- 12. In the Advanced Options window, locate the Image Color Management option.
- 13. Make sure that ICM Handled by Host System is selected.



14. Close any open system windows.

Repeat these instructions for the any other printers before rebooting the computer.

Section D.: Installing the Profile in Mac OS v10.4 and Newer

Installation is simple. Preparation for the driver installation is simple. First Step - disconnect the printer from the Mac computer. With the printer disconnected from the Mac, install the driver. Then connect the printer. Stepby-step instructions follow:

If the DS/RX printer is connected to your Mac, unplug the USB cable from your Mac device. Do not proceed until your printer is disconnected from your Mac.

1. From your browser, navigate to the following site:

http://dnpphoto.com/Support/Downloads/Drivers-Tools

 Under the Printer Drivers for Mac section, download the Mac OS-X Driver for DS620A/DS820A/RX1HS/QW410/DS40/DS80//DS80DX file.

The Mac printer driver supports all DNP printer models in one driver, (unlike the Windows drivers that have a separate driver for each print model.)

3. Navigate to the location where you downloaded the file. Double-click the DNP Install.dmg file.

4. In the next window, double-click the DNP DS Printer Drivers icon.



5. The installer opens. Click **Continue** to begin.

| 000 | 😺 Install DNP DS Series Printer Drivers. |
|--|---|
| | Welcome to the DNP DS Series Printer Drivers. Installer |
| Introduction | |
| Read Me | You will be guided through the steps necessary to |
| License | install this software. |
| Destination Select | |
| Installation Type | |
| Installation | |
| Summary | |
| - | |
| | |
| | |
| The state of the s | |
| | |
| | |
| | Go Back Continue |

6. Read the important information on the screen. When you are done, click Continue.



7. Read the through the Software License Agreement. When you are done, click Continue.

| 50 | itware License Agreement | |
|--------------------|--|--|
| Introduction | English | |
| O Read Me | JCENSE AGREEMENT AND GENERA | AL TERMS OF USE |
| e License P | LEASE READ THE FOLLOWING TER CAREFULLY BEFORE DOWNLOADIN | MS AND CONDITIONS G, INSTALLING OR USING |
| Destination Select | THE SOFTWARE. | as and/or data includion any |
| Installation Type | ccompanying explanatory written mate | erials (the "Software") should |
| Installation | inly be installed or used by the License gree with INTER DATA SYSTEMS ("ID | ee ("you") on the condition you S") to the terms and |
| Summary | by installing or using the Software, you be terms and conditions set forth in this | are representing to agree all Agreement. If you do not |
| | Igree with the terms and conditions of to emisded to install or use the Software is the Software package and delete any S or third party on your behalf from any ar- which such Software has been loaded (your agree to these terms on behalf of variant that you have authority to bind (greement, and your agreement to the greement of the business. In that even | his Agreement, you are not and you must promptly return ioftware files accessed by you and all computer memory into or stored. a business, you represent and that business to this se terms will be treated as the the 'you'' and 'your'' reterement |

8. When prompted, accept the license agreement terms by clicking Agree.



9. At the next screen, click Install.

| eries Printer Drivers. |
|--|
| on "Macintosh HD" |
| to perform a standard installation of e on the volume "Macintosh HD". |
| |

10. If your Mac operating system is password protected, enter your password when prompted. Click **OK**.

| | password. | quires that you type your |
|---------|-----------|---------------------------|
| | Name: | User |
| | Password: | ••••• |
| Details | | |
| ? | | (Cancel) OK |

The installation process begins.

11. When the installation is complete, you receive the message Install Succeeded. Click Close.

| 000 | 😓 Install DNP DS Series Printer Drivers. |
|--|--|
| Introduction Read Me License Destination Select Installation Type Installation Summary | Installation completed successfully |
| | Go Back Close |

When installing the new drivers, the default DNP ICC profiles are also installed.