Rimage® 480i Printer User Guide

RIMAGE®

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Contents

Introduction

This manual provides the information needed to set up, install, operate, and identify the parts of the Rimage 480i printer, as well as how to configure the 480i printing preferences.

Important Information

This section provides support contact information, cautions and warnings, and product specifications for the Rimage 480i Printer.

Support Information

US, Asia/Pacific, Mexico/Latin America	Europe
Rimage Corporation 7725 Washington Avenue South Minneapolis, MN 55439 USA **Attn: Rimage Services**	**Rimage Europe GmbH** Albert-Einstein-Str. 26 63128 Dietzenbach Germany
Contact Rimage Services: www.rimage.com/support.html **Email:** http://www.rimage.com/support_form.cfm **Telephone:** North America: 800-553-8312 Asia/Pacific, Mexico/ Latin America: 952-946-0004 **Fax:** 952-946-6956	**Contact Rimage Services Europe:** www.rimage.com/support.html **Email:** support@rimage.de **Telephone:** +49-(0)1805-7462-43 **Fax:** +49-(0) 6074-8521-100
When you contact Rimage Services, please provide:	**My Rimage Product Information:** Copy this information from your Rimage Product for future reference.
Printer serial number and software version.	**Serial Number:**
Functional and technical description of the problem.	**Product Name:**
Exact error message received.	**Date of Purchase:**

Learn More Online

At www.rimage.com/support.html, you can experience Rimage's world-class Support and Services.

1. Select your product family.	2. Select your product.	3. Learn more on your product page.
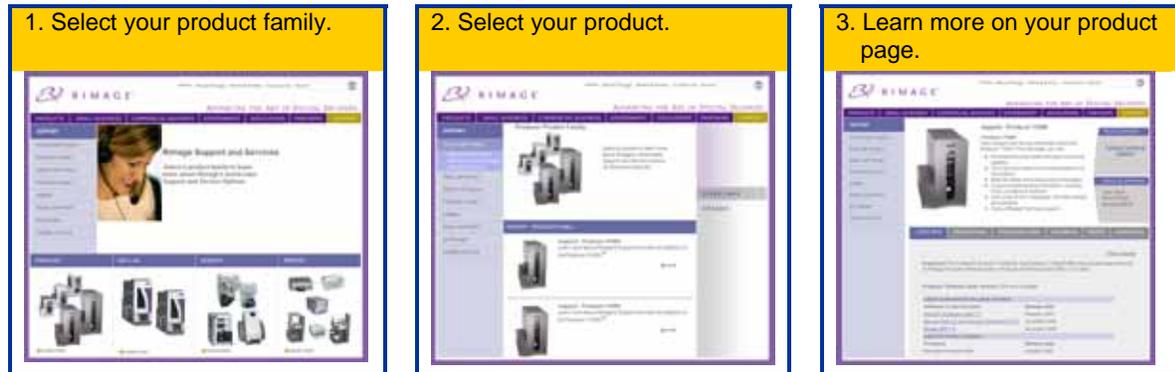
From your product page you can access:

- Information about the latest software and firmware updates
- Product specifications
- The latest documents
- Current firmware and driver downloads

Technical Support and Product Updates

Support for the Rimage 480i printer is available through your authorized reseller.

⊘ **Important!** Make sure that you register your Rimage 480i printer so that Rimage can notify you of upgrades as they become available.

Safety and Compliance Information

Safety Precautions

This manual and the indications on the product allow proper and safe operation. The indication marks below help protect you and other persons from injury, and equipment from damage.

⚠ **Warning!** *According to ANSI (American National Standards Institute) standards, a warning is used to indicate situations that could result in bodily injury to personnel operating or maintaining the equipment.*

⚠ **Caution:** *Indicates that failure to observe this guideline could result in loss or damage to the equipment, product, software, or data.*

To ensure safety, please read the precautions in this document and familiarize yourself with their meaning before using the equipment.

⚠ *Warning!*

- *An authorized technician should perform all service procedures.*
- *Ink may be harmful if swallowed. Avoid contact with eyes. Ink contains nitrites. If ingested, seek immediate medical attention. Keep out of reach of children.*

⚠ *Caution:*

- *Rimage ink cartridges are not licensed for modification.*
- *Refilling ink cartridges may result in damage to the cartridge or printer.*

Compliance Information

Product name:	Rimage 480i Printer
Model: CDPR4	
Notice for USA	
	NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense. This product complies with UL 60950-1.
Notice for Canada	
	This Class A digital apparatus complies with Canadian ICES-003 Issue 3:1997. Cet appareil numerigue de la classe A est conforme a la norme NMB-003 du Canade. This product complies with CAN/CSA-C22.2 No. 60950-1-03.
Notice for Europe	
	This product is in conformity with the EMC Directive (89/336/EEC) and the Low-Voltage Directive (73/23/EEC) through compliance with the following European standards: IEC 60950-1 2001, 1st edition, EN 55022:1998 + A1:2000, EN 55024:1998, EN 61000-3-2:2000, EN 61000-3-3:1995 + A1:2001. The CE mark has been affixed in accordance with the CE Marking Directive 93/68/EEC.
Notice for Japan	
	This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio interference may occur, in which case, the user may be required to take corrective action. Translation: A
Notice for Australia	
	This product complies with AS/NZS CISPR22:2002.

Rimage 480i Printer Specifications

Print Technology	Thermal inkjet printing
Print Resolution	Up to 4800 dpi
Color Spectrum	16.7 million
Droplet Size	3 pico-liters
Pixel Density	5.76 million pixels per square inch
Power	100 – 240 VAC, 1.0 A, 50-60 Hz, auto-ranging
Physical Size	<table><tr><td>**Height**</td><td>6.00" (15.2 cm)</td></tr><tr><td>**Width**</td><td>15.75" (40 cm)</td></tr><tr><td>**Depth****</td><td>15.00" (38.1 cm)</td></tr><tr><td>**Weight**</td><td>17 lb (7.7 kg)</td></tr></table> ** Leave an additional 3.5 inches (9 cm) for cabling.
Interface	USB 2.0
Operating System Requirements	The Rimage 480i printer is compatible **only** with the following operating systems: Windows 2000 Professional with Service Pack 4 Windows XP Professional with Service Pack 2 or higher Windows Server 2003

Temperature and Humidity	**Operating Temperature** 60° to 95° F (16° to 35°C)	**Humidity** 40% to 80% non-condensing	**Storage Temperature** 5° to 95° F (-15° to 35°C)
Media Requirements	Use only 120 mm optical discs that are coated with an inkjet printable surface. The media in Rimage Media Kits™ are designed for optimum print performance.		

Printer Requirements

Ink Requirements

⚠ **Important!**

- Use only authentic Rimage ink cartridges in the Rimage 480i printer.

- Keep print cartridges sealed in the original package until they are needed.

- Use only ink cartridges that are not expired.

- Store print cartridges at room temperature (60° to 78° F or 15.6° to 26.6° C).

- Store print cartridges in an upright position. Do not store them on their sides or upside down.

- Do not remove the protective tape from a new print cartridge until immediately before installation. After you remove the tape, do not reapply it.

- After you have removed the protective tape, do not touch the contacts and nozzles.

- Print at least once a month to keep the print cartridges in good condition.

The Rimage 480i printer works only with the following printer cartridges.

Description	Rimage Part Number	
Black	RB1	203340-001
Color	RC1	203339-001

The following cartridge combinations are supported.

| Left Position	Right Position
Color	Black
Color	No cartridge
No cartridge	Black

Label Design Requirements

The Rimage 480i Software includes a label editor called CD Designer™, which is installed on your PC during a typical installation of the Rimage 480i Software. Refer to the *Install the Rimage Software and Printer Driver* section on page 9. You can use CD Designer to design your labels.

If you prefer to design labels in a software application other than CD Designer, use the following criteria:

- File format – For best results, save your labels as JPG or TIF files. These file formats must be converted before you print labels. If you use CD Designer, import the labels and save them as CD Designer files (.btw). If you do not use CD Designer, convert the labels to PDF files.

- Color mode – Labels that are imported into CD Designer must be in RGB color mode.

- Resolution (pixels per inch) – For best results, use images set to a minimum of 300 pixels per inch.

- Label design size – Design labels with a height of 12 cm and width of 12 cm. A disc is 120 mm (4.723") in diameter. The hole is 15 mm (0.59"). The printable area and hub sizes may vary between disc manufacturers.

  ✎ **Note:** The media that are in Rimage Media Kits have a printable area of 118 mm. On most labels, print settings of 118 mm and 24 mm are recommended.

Printable Area 118 mm

Hub Size 24 mm
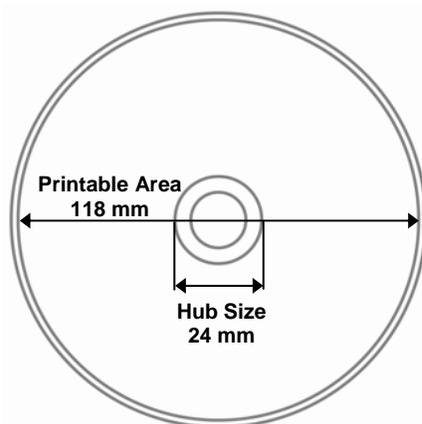
Print Requirements

Any label that you create and save through CD Designer is in the correct file format (.btw) and can be printed to a Rimage 480i printer. If do not use CD Designer with your Rimage 480i printer, you can print labels saved as PDF files.

Identify the Parts of the Rimage 480i Printer

This section describes the Rimage 480i printer hardware and its features.

Front View

Printer Service Door

Ink Cartridge Access Door

Printer Control Panel

Printer Tray

Side View

Printer Service Door

Ink Access Door Grip

Fan

USB Cable

AC Power Adaptor
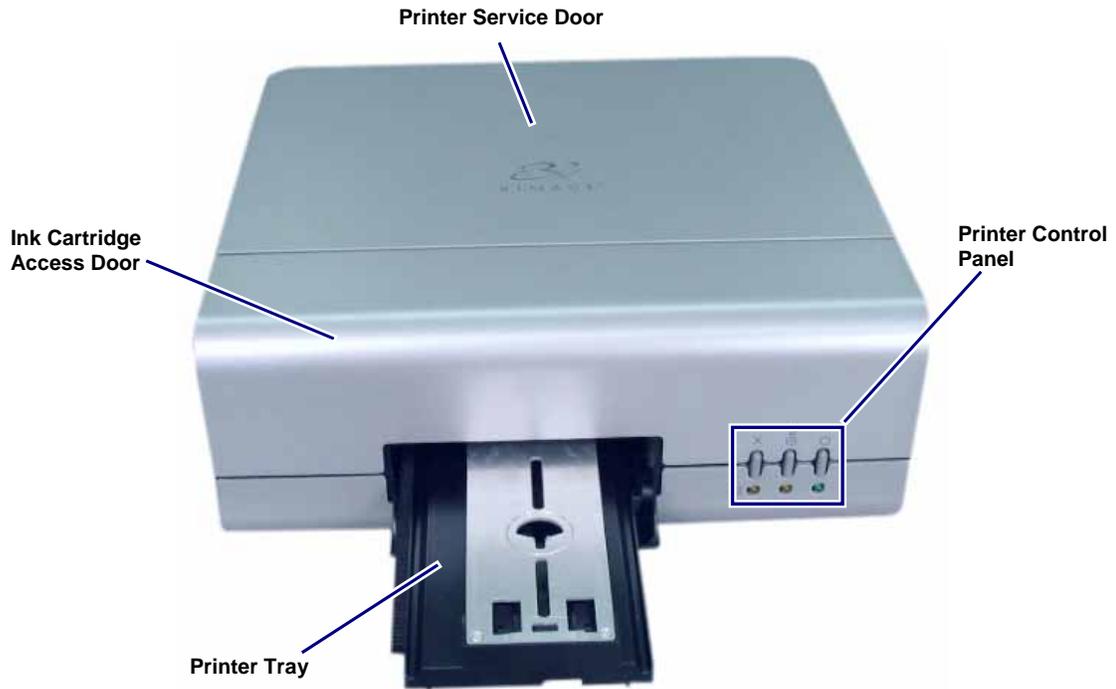
Printer Control Panel

The Rimage 480i printer control panel has three buttons and three lights to indicate certain conditions. The table below explains each of these buttons and indicator lights.

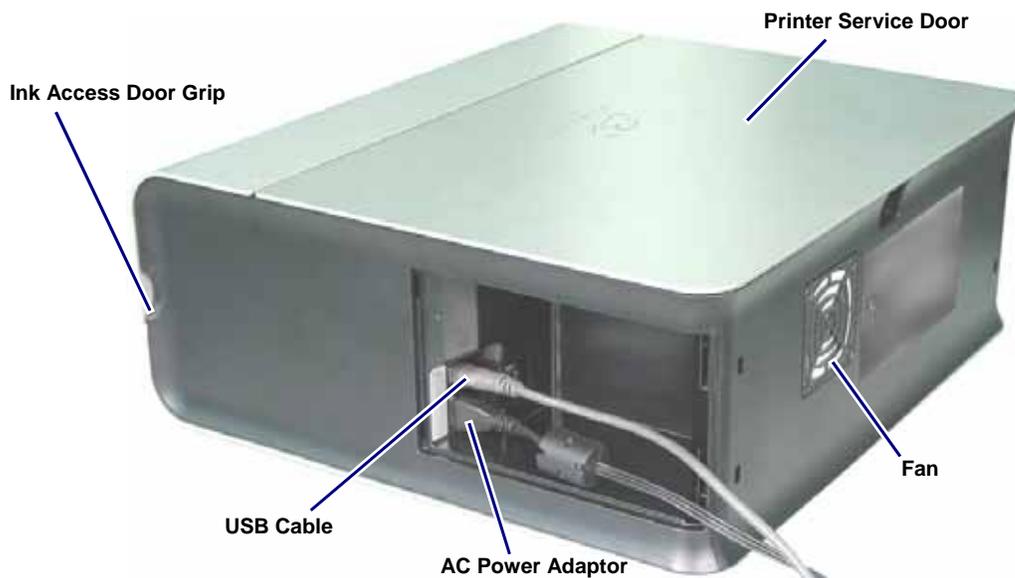| Image	Name	Functionality
	Cancel/ Ink Cartridge Status	When you press the Cancel button, it provides limited functionality to cancel printing. The Cancel/Ink Cartridge Status indicator light flashes amber when there is a hardware issue. The Cancel/Ink Cartridge Status indicator light is solid amber when an ink cartridge is low on ink.
	Tray	When you press the Tray button, the Tray indicator light illuminates briefly and the printer tray moves in or out. This functionality is used to move the printer tray in and out, to load a disc for manual printing, or to check the alignment. The Tray indicator light flashes when there is a tray movement error.
	Power	When you press the Power button with the printer powered on, the printer goes into sleep mode. When you press the Power button again, the printer returns to the ready state. The Power indicator light is solid green when the printer is powered on and ready. When the printer is powered off or in sleep mode, the Power indicator light is not illuminated. The Power indicator light flashes when the printer is printing or in an error state. *Tip:* Connect the **AC power adaptor** to the side of the printer to power on the printer. Refer to the *Power On or Off the Rimage 480i* printer section on page 11.
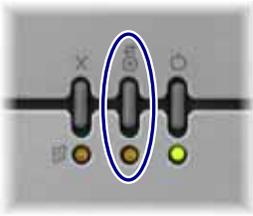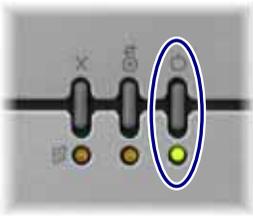
Set up the Rimage 480i Printer

This section provides the information that you need to set up the Rimage 480i printer.

Prepare the Rimage 480i Printer

Use this procedure to prepare the Rimage 480i printer.

1. Remove the **cable access door**.

2. Connect the **power cord** to the **AC power adapter**.

3. Connect the **AC power adapter** to the **printer**.

4. Connect the **power cord** to an **outlet**.

   (!) **Important!** Connect the USB cable only when the software prompts you to connect it. Refer to the *Install the Rimage Software and Printer Driver* section below.

5. Install the **ink cartridges**. Refer to the *Replace the Ink Cartridges* section on page 23.
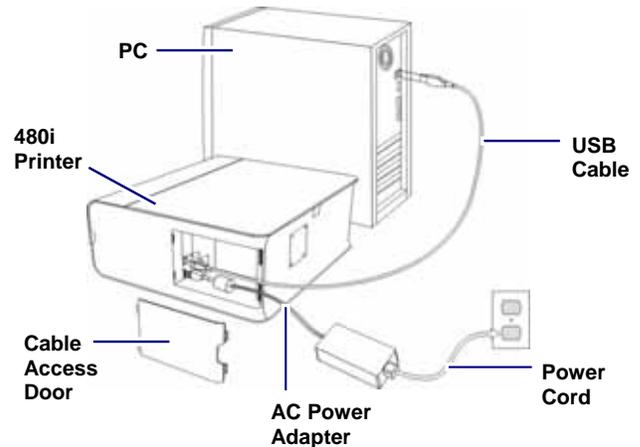
Install the Rimage Software and Printer Driver

Use this information to install the Rimage software and printer driver.

Install the Rimage Software

1. Power on the **PC**.

2. Insert the **CD Designer software disc** in the PC. The *Rimage CD Designer Software Suite* window opens.

   📖 **Tip:** If the software installation does not start automatically, select **Start** and then **Run**. Browse to the **setup.exe** file on the disc.

3. Select **Next** in the *Rimage CD Designer Software Suite* window. The *Setup Type* dialog box opens inside the *Software Suite* window.

4. Select **Rimage 480i Printer** in the *Setup Type* dialog box and choose **Next**.

5. Follow the onscreen prompts to complete the software installation.

   ✎ **Note:** In Windows XP, a *Software Installation* window may open. Select **Continue Anyway** to complete the required software installation.

When the Rimage software installation is complete, the *Software Installation* window and *Rimage CD Designer Software Suite* window close, and the *Plug-n-Play Hardware Setup for Printers* window opens. Follow the instructions in the *Install the Printer Driver* section on page 10 to continue.

Install the Printer Driver

You must install the printer driver before you can use the Rimage 480i printer with any label editing software.

1. Follow the onscreen instructions in the *Plug-n-Play* window to install the printer driver.

   ⚠ **Important!** Do not select the **Next** button until you follow all of the steps that are listed at the top of the *Plug-n-Play* window.

   - If you use Windows 2000, the printer driver is automatically installed.

   - If you use Windows XP, the new hardware is detected and the *Found New Hardware Wizard* dialog box opens. Answer all of the questions in this dialog box before you continue with the printer driver installation.

     ✎ **Note:** In Windows XP, a *Hardware Installation* window may open. Select **Continue Anyway** to proceed with the installation. When the hardware installation is complete, the *Hardware Installation* window and the *Found New Hardware Wizard* dialog box close.

2. When the printer driver installation is complete, select **Next** on the *Plug-n-Play* window.

3. Select **Finish**. The *Plug-n-Play* window closes and the printer driver installation is complete.

4. Attach the **cable access door** to the side of the printer so the cables come out of the access door opening.

5. Align the **ink cartridges**. Refer to the *Align the Ink Cartridges* section on page 18.

Operate the Rimage 480i Printer

This section provides the information that you need to operate your Rimage 480i printer.

Access the Power and USB Cables

You will need to open the cable access door to power on and off the 480i printer, as well as to perform regular maintenance on the printer.

📖 **Tip:** Refer to page 20 for the 480i printer Preventative Maintenance Schedule.

Remove the **cable access door** on the side of the printer to access the connections for the AC power adaptor and the USB cable.

Cable Access Door

Power On or Off the Rimage 480i Printer

Connect the **AC power adaptor** to the Rimage 480i printer. Refer to the *Side View* section on page 7. The 480i printer powers on.

✏️ **Notes:**

- The power indicator light illuminates when the printer is powered on and ready.

- Press the **Power button** to put the printer into sleep mode. The Power indicator light turns off.

- Press the **Power button** again or send a print job to the printer to bring the printer out of sleep mode.

Disconnect the **AC power adaptor**. The Rimage 480i printer powers off.

Power Button

Power Indicator Light

Control Panel
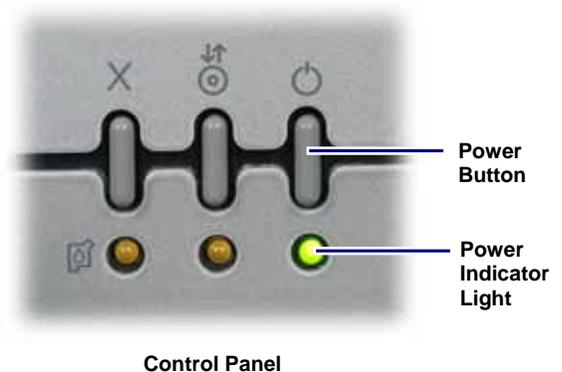
Open the Ink Cartridge Access Door

You will need to open the ink cartridge access door to replace the ink cartridges and perform regular maintenance on the 480i printer. Refer to the *Maintain the Rimage 480i Printer* section on page 20.

On the front of the 480i printer, lift the **ink cartridge access door**. If the printer was in sleep mode, the power indicator light illuminates.

Ink Cartridge Access Door

Power Indicator Light

Open the Printer Service Door

You will need to open the printer service door to perform regular maintenance on the 480i printer. Refer to the *Remove Dust from the Rimage 480i Printer* section on page 22.

Press the **tab** and lift as shown to open the **printer service door**.

Printer Service Door

Tab
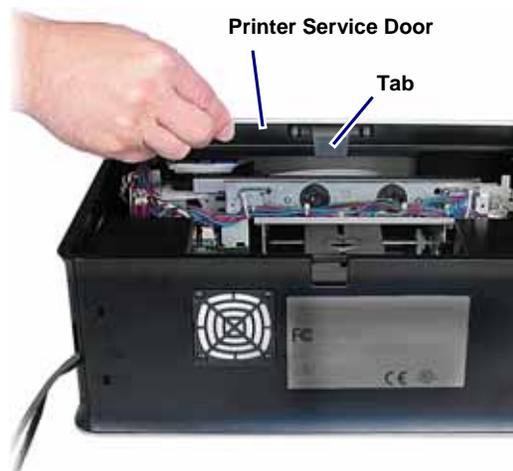
Place a Disc onto the Printer Tray

Use this procedure to place a disc onto the printer tray without scratching or damaging the recording surface of the disc.

1. Press ⬍⊚. The printer tray opens.

    ✎ **Note:** The printer tray opens automatically if you select **Print** from your software application.

2. Place the **disc** onto the printer tray and align the hole in the disc with the small pins on the printer tray.
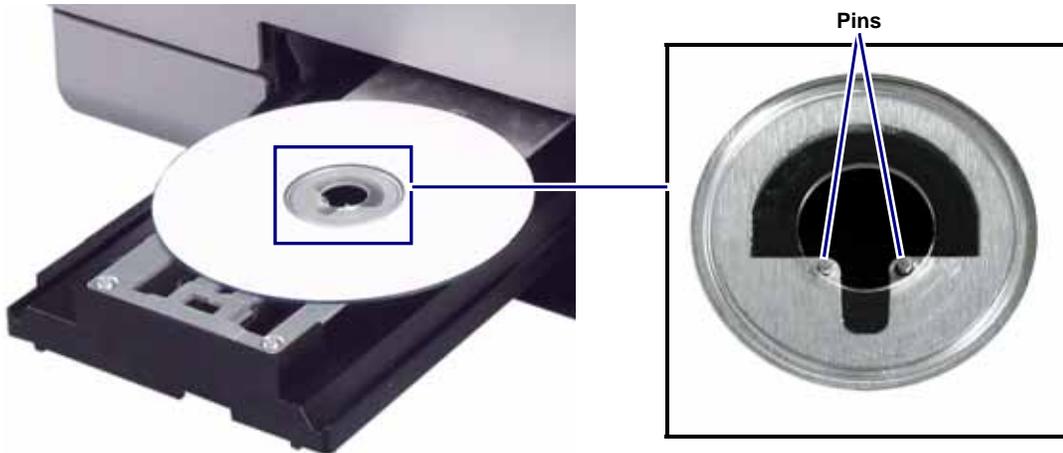
3. Press ⬍⊚. The printer tray closes.

    ✎ **Note:** If you have already selected **Print** from your label editing software, the print job starts when the printer tray closes.

Set Your Printing Preferences on a Windows-based PC

Printing preferences allow you to set up your Rimage 480i printer to produce the best possible labels on your discs.

Through printing preferences, you can:

- Set the Print Quality
- Add, Edit, or Delete a Watermark
- Adjust the Ink Volume Used
- Set up Color Options
- Set the Printable Area
- Align the Ink Cartridges
- Center the Image on a Disc
- Verify the Ink Levels

📖 **Tip:** For additional information about these features, access the online help in the *Disc Color 480i Printing Preferences* window.

Navigate to Printing Preferences

You must access the *Disc Color Printer 480i Printing Preferences* window to set up your printing preferences. Use one of these procedures to navigate to the *Disc Color Printer 480i Printing Preferences* window.

Access Printing Preferences through Windows Start Menu

✎ **Note:** If you use this method, your printing preferences are saved in the printer driver settings.

1. Access printing preferences.

   - In Windows 2000, **navigate:** Start > Settings > Printers.
   - In Windows XP, **navigate:** Start > Printers and Faxes.

2. Right-click on **Disc Color Printer 480i** and select **Printing Preferences** from the dropdown menu. The *Disc Color Printer 480i Printing Preferences* window opens.

Access Printing Preferences through CD Designer

✎ **Note:** If you use this method, your printing preferences are saved with the label file and are used instead of the printer driver settings.

1. Open the desired **label file** with CD Designer.

2. From the *File* menu, select **Print**. The *Print* window opens.

3. From the *Name* dropdown list, select **Disc Color 480i**.

4. Select **Document Properties**. The *Disc Color 480i Properties* window opens.

5. If necessary, select the disc **size** and **type**, as well as a **print quality** option from the dropdown menu.

6. Select **OK**. The *Disc Color 480i Properties* window closes.

7. Select **Close**. The *Print* window closes.

Set the Print Quality

Use this procedure to set the print quality for your print job.

1. *Navigate to Printing Preferences*. Refer to page 14.

2. Select the ***Disc/Quality*** tab.

3. In the *Disc Options* section, select the appropriate **Type** from the dropdown list.

4. In the *Print Quality* section, select the desired **print quality**. The following information about the quality displays:

    - Black render dpi

    - Color input dpi

    - Color output

5. Select **OK**. The *Preferences* window closes.

Add, Edit, or Delete a Watermark

This functionality allows you to create a new watermark or edit an existing watermark that you can print on your disc. From this tab, you can also delete a watermark that you have created.

1. *Navigate to Printing Preferences*. Refer to page 14.

2. Select the ***Effects*** tab.

3. From the ***Watermarks*** dropdown list, select the desired watermark.

    Or

    Edit the watermark or create a new watermark.

    a. Select **Edit**. The *Watermark Details* window opens.

    b. Delete or create a **watermark**.

        - To delete a watermark, highlight the desired watermark and select **Delete**.

            ✎ **Note:** You can delete only watermarks that you or another user has created. You cannot delete any of the default watermarks.

        - To create a new watermark, select **New**. *Untitled #1* displays in the ***Current Watermarks*** field.

    c. Enter or change information in one or more of the following fields to create your customized watermark:

        - ***Watermark Message*** – Enter the desired message.

        - ***Message Angle*** – Select the appropriate **option button** to provide the desired angle. For example, if you select the **Angle** option button, you can set the angle.

        - ***Options*** – Select the **Justified Across Page** checkbox to center and justify the text.

        - ***Font Attributes*** – Select the desired **font attributes** from the dropdown lists.

    d. Select **OK**. The *Watermark Details* window closes.

4. If you want the watermark to print only on the first disc, select the **First Page Only** checkbox.

5. Select **OK**. The *Preferences* window closes.

Adjust the Ink Volume Used

This functionality allows you to adjust the amount of ink that is used.

1. *Navigate to Printing Preferences*. Refer to page 14.

2. Select the *Basics* tab.

3. Select **Advanced Features**. The *Advanced Features* window opens.

4. Move the **Ink Volume** and **Dry Time** sliders to increase or decrease the ink volume or dry time.

   (!) **Important!** Do not select the **Low Memory** checkbox unless your PC does not have enough memory or disk space to complete the print job you have requested.

5. Select **OK**. The *Advanced Features* window closes.

6. Select **OK**. The *Preferences* window closes.

Set up Color Options

This functionality allows you to toggle between color and grayscale printing, select the type of color space your labels require, and adjust some color attributes.

1. *Navigate to Printing Preferences*. Refer to page 14.

2. Select the *Color* tab.

3. Turn *Print in Grayscale* on or off.

   a. In the *Color Options* box, select the **Print in Grayscale** checkbox to print in black and white.

   b. If you selected the **Print in Grayscale** checkbox, select the appropriate **option button** for your print type.

4. Move the **Saturation**, **Brightness**, and/or **Color Tone** sliders to the desired position to adjust color attributes.

5. If necessary, select the appropriate **Color Space** from the dropdown list.

6. Select **OK**. The *Preferences* window closes.

Set the Printable Area

This functionality allows you to adjust the non-printable area, or mask settings, for standard CD/DVD 120 mm media. You can set the outer and inner diameters to print the disc without overlapping the disc edges.

✎ **Note:** If you print on areas of the disc where the surface is not suitable for printing, the ink will smear or run.

1. *Navigate to Printing Preferences*. Refer to page 14.

2. Select the *Mask Settings* tab.

3. Measure the printable area and adjust the settings.

   - If you use hub-printable discs with a stacking ring:

     a. In the *Hub Area Settings* box, select the **Printing on Hub** checkbox to print on the disc hub.

Disc with a stacking ring

   📖 **Tip:** Some older discs have a printable hub and a gap for the stacking ring. If you have media like this, use the following printable areas:

   Standard Area:

   - Outer Diameter 118 mm
   - Inner Diameter 38 mm

   Hub Area:

   - Outer Diameter 35 mm
   - Inner Diameter 24 mm

     b. Measure the inner diameter of the printable surface.

     c. In the *Hub Area Settings* field, enter the inner diameter that you measured in step b.

     d. Measure the outer diameter of the printable hub area.

     e. In the *Hub Area Settings* field, enter the outer diameter that you measured in step d.

     f. Measure the inner diameter of the standard printable area.

     g. In the *Standard Area Settings* field, enter the diameter that you measured in step f.

- If you use hub-printable discs without a stacking ring:

    a. Measure the inner diameter of the printable surface.
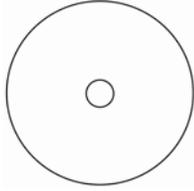
    Disc without a stacking ring

    📖 **Tip:** Most discs like the one shown above have the following printable areas:

    - Outer Diameter 118 mm

    - Inner Diameter 24 mm.

    b. In the ***Standard Area Settings*** field, change the *Outer Diameter* and *Inner Diameter* settings to the value measured in step a.

4. Select **OK**. The *Preferences* window closes.

Align the Ink Cartridges

For optimal print quality and maximum printing speed, use this procedure to align the ink cartridges.

1. *Navigate to Printing Preferences*. Refer to page 14.

2. Load a disc in the printer.

    a. Press ⊚. The printer tray opens.

    b. Place one **120 mm white disc** on the tray.

3. Check the ink cartridge alignment.

    a. From the *Preferences* window, select the ***Service*** tab.

    b. Select **Service ToolBox**. The *Service ToolBox* dialog box opens.

    c. Select **Align Cartridges**. The *Align Cartridges for Disc Color Printer 480i* dialog box opens.

    d. Follow the onscreen prompts to complete the alignment.

    e. When the alignment is complete, select **OK**. The *Align Cartridges for Disc Color Printer 480i* dialog box closes.

5. Select **OK**. The *Preferences* window closes.

6. Press ⊚. The printer tray closes.

Center the Image on a Disc

The Rimage 480i printer provides two ways to center the image on a disc. You can use the *Auto Centering* method or the *Manual Centering* method. This procedure describes both processes. The Auto Centering method is accurate to +/- 0.5 mm. The Manual Centering method can improve the centering position accuracy to +/- 0.2 mm.

📖 **Tip:** Use the *Center Image* functionality only if the printed image is not centered on the disc. Image centering is set by the manufacturer and usually does not need to be recalibrated in the field.

For optimal print quality, use this procedure to center the image on a disc.

1. *Navigate to Printing Preferences*. Refer to page 14.
2. Press ⊚. The printer tray opens.
3. Place one **120 mm white disc** on the tray.
4. Select the *Service* tab.
5. Select **Service ToolBox**. The *Rimage Service ToolBox* dialog box opens.
6. Select **Center Image**. The *Centering Margins for Disc Color Printer 480i* dialog box opens.
7. Follow the onscreen instructions to:
   - Auto Center
   - Manually Center
8. When the image is centered, select **OK**. The *Centering Margins for Disc Color Printer 480i* dialog box closes.
9. Select **OK.** The *Rimage Service ToolBox* dialog box closes.
10. Select **OK**. The *Preferences* window closes.
11. Press ⊚. The printer tray closes.

Verify the Ink Levels

This functionality allows you to verify the level of ink in the cartridges.

📖 **Tip:** If you remove the ink cartridges and reinsert them, the system resets to show that the cartridges are full regardless of the actual fill status.

1. *Navigate to Printing Preferences*. Refer to page 14.
2. On the *Service* tab, select **Service ToolBox**. The *Service ToolBox* dialog box opens.
3. Select **Get Ink Level**. Ink level information displays in the *Printer Status* field.
4. Select **OK.** The *Rimage Service ToolBox* dialog box closes.
5. Select **OK**. The *Preferences* window closes.

Maintain the Rimage 480i Printer

Use the information in this section to keep your Rimage 480i printer in optimum operating condition.

Regular preventative maintenance of your Rimage 480i printer can help to ensure clean printed labels. Maintenance involves cleaning the ink cartridges, aligning the ink cartridges, cleaning the printer exterior, replacing the fan filter, and replacing the ink cartridges.

⚠ *Caution: To avoid damaging the Rimage 480i printer during maintenance:*

- *Never use oils, silicone, or other lubricants on any part of your Rimage 480i printer.*

- *Use only non-abrasive cleaners to wipe down the surfaces of your Rimage 480i printer.*

- *Do not pour cleaner directly onto your Rimage 480i printer. Instead, apply the cleaner to a lint-free cloth first.*

- *When you spray compressed air, make sure that no liquid drips into your printer.*

Preventative Maintenance Schedule

⊘ **Important!** Failure to follow the maintenance schedule outlined below may void your warranty.

Materials	Task	Frequency
Mandatory		
Lint-free cloth Non-abrasive, all-purpose cleaner	Clean the printer exterior. Refer to the *Clean the Printer Exterior* instructions on page 21.	Weekly
New fan filter Small screwdriver	Replace the fan filter. Refer to the *Replace the Fan Filter* instructions on page 23.	Monthly
New ink cartridges	Replace the ink cartridges. Refer to the *Replace the Ink Cartridges* instructions on page 23.	As needed
Can of compressed air	Remove dust from the printer. Refer to the *Remove Dust from the Rimage 480i Printer* section on page 22.	Monthly
Optional		
None needed	Clean the ink cartridges. Refer to the *Clean the Ink Cartridges* instructions on page 21.	When print quality problems are noticed
None needed	Align the ink cartridges. Refer to the *Align the Ink Cartridges* instructions on page 18.	As needed ✎ **Note:** The ink cartridges are aligned at the factory.

Clean the Ink Cartridges

This functionality allows you to clean the ink cartridge nozzles. The nozzles may become clogged from dried ink, which causes poor print quality.

1. *Navigate to Printing Preferences*. Refer to page 14.

2. Select the *Service* tab.

3. On the *Service* tab, select **Service ToolBox**. The *Service ToolBox* dialog box opens.

4. Select **Clean Cartridges**. The *Cleaning Cartridges* window opens.

5. Select **Light** to clean the ink cartridge nozzles with the smallest amount of ink. The status field at the bottom of the *Cleaning Cartridges* window displays a message when the process is complete.

    📖 **Tip:** Print a test disc after you clean the ink cartridge nozzles. If print quality is still poor, repeat the process. In step 5, select **Medium** or **Heavy** to clean the ink cartridge nozzles more thoroughly.

6. When the ink cartridges are clean, select **OK**. The *Cleaning Cartridges* window closes.

7. Select **OK**. The *Rimage Service ToolBox* window closes.

8. Select **OK**. The *Preferences* window closes.

Clean the Printer Exterior

🛠 **Required tools:**

*   Lint-free cloth
*   Non-abrasive, all-purpose cleaner

1. Open the **cable access door** and disconnect the **AC power adaptor** to power off the Rimage 480i printer.

2. Wipe down all **exterior surfaces** of the printer.

    📖 **Tip:** Your printer may require more frequent maintenance if it is used in an area such as a store or a warehouse.

# Remove Dust from the Rimage 480i Printer

⚒ Required tools:

Can of compressed air

1. Open the **cable access door** and disconnect the **AC power adaptor** to power off the Rimage 480i printer.

2. Disconnect the **USB cable** from the side of the printer.

3. Remove the dust.

   a. Open the **ink cartridge access door**. The ink cartridge carriage moves to an accessible position on the carriage guide.

   b. When the ink cartridge carriage stops, spray the **compressed air** through the printer from front to back.

   c. Close the **ink cartridge access door**.

Ink Cartridge Access Door

Air Flow
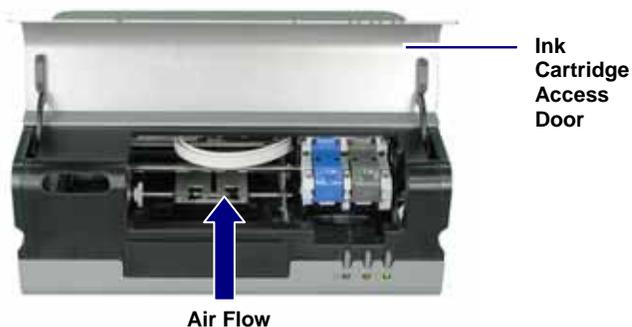
   d. Press the **tab** and open the **printer service door**.

   e. Spray the **compressed air** from the hinges of the printer service door to the back of the printer.

   f. Close the **printer service door**.

Printer Service Door

Air Flow
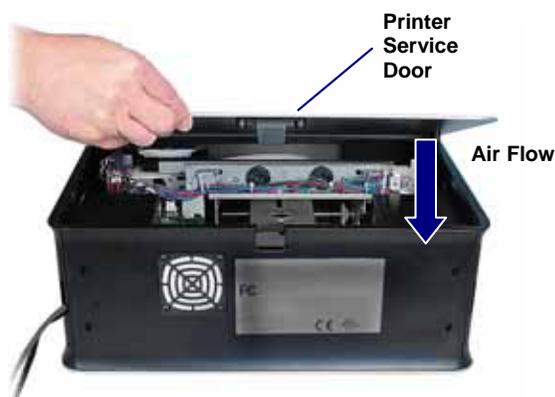
4. Connect the **USB cable** to the printer.

5. Connect the **AC power adaptor** to power on the printer.

Replace Consumables

This section provides information about how to replace the consumables on the Rimage 480i printer. The consumables for the 480i printer include:

• The fan filter

• The ink cartridges

Replace the Fan Filter

You must change the fan filter every month. Use this procedure to change the fan filter.

1. Use a small screwdriver to gently pull the **fan grating** away from the Rimage 480i printer. The fan grating and fan filter easily come off the filter housing.

2. Remove the old **fan filter**.

3. Place the new **fan filter** in the filter housing.

4. Gently press the **fan grating** into the Rimage 480i printer until it snaps into place.

Fan Filter

Fan Grating

Replace the Ink Cartridges

Use this procedure to change the ink cartridges on your Rimage 480i printer.

⚠ **Important!** You must use the appropriate ink cartridges in one of the configurations listed in the *Ink Requirements* section. Refer to page 5.

1. Lift the **ink cartridge access door**. The ink cartridge carriage moves to an accessible position on the carriage guide.

2. When the ink cartridge carriage stops, lift the **ink cartridge latch** to the open position.

3. If an ink cartridge is already installed, slide the **ink cartridge** out of the ink cartridge cradle.

4. Remove a new **ink cartridge** from the packaging.

5. Carefully remove the **protective tape** that covers the ink nozzles.

   ⚠ **Important!** Do not touch the nozzles or the copper contacts on the ink cartridges. If you touch these parts, clogs, ink failure, and poor electrical connections are likely to occur. Do not remove the copper strips.

Ink Cartridge Latch

6. Hold the **ink cartridge** so that the copper strip is on the bottom and faces toward the printer.

7. Slide the **ink cartridge** into the cradle.

8. Push down on the **ink cartridge latch** until it snaps closed.

9. Close the **ink cartridge access door**. The ink cartridge status light flashes for a few seconds and then stops. The Rimage 480i printer is ready to print.

> ✎ **Note:** If the ink cartridge is not securely seated in the cradle, the printer will not recognize the ink cartridge. The printer may not reset properly, or you may receive an "invalid ink cartridge" message. If this happens:
>
> - Remove the **ink cartridge** and reinsert it. Make sure to press firmly when you reinsert it.
>
> - Make sure to use the appropriate cartridge. Acceptable cartridges are listed in the *Ink Requirements* section on page 5.
>
> - If the problem persists, replace the **ink cartridge**.

10. Align the **ink cartridges**. Refer to the *Align the Ink Cartridges* section on page 18.