



480i Thermal Inkjet Printer

The Rimage 480i is the most advanced thermal inkjet printer available today - featuring the best speed, the best resolution, and the best color management. Co-developed by Rimage and Hewlett-Packard, the Rimage 480i employs the most highly advanced printing technology in the industry. The Rimage 480i has the smallest droplet size (3 pico-liters) that ensures maximum clarity and great economy in direct-to-disc printing. The Rimage 480i offers 4800 dpi printing and a full color spectrum of 16.7 million colors. For superior color management, each printer comes with HP's PhotoREt IV color layering technology and HP's ColorSmart III color optimization technology to create realistic photo images, vivid color output, and sharp text.



Ink Options

The Rimage 480i comes with one Black cartridge (RB1) and one CMY cartridge (RC1). The black cartridge contains 19 ml of HP pigment-based ink specially formulated to resist fading and smearing. The CMY cartridge contains 17 ml of dye-based ink also formulated to resist fading.

A future option for the Rimage 480i will be the RP1 photo ink cartridge that will contain 17 ml of dye-based inks. This cartridge will replace the black cartridge and when used in conjunction with the standard CMY cartridge will produce virtually grain free, true-to-life photos. The RB1 and the RC1 cartridges are available from Rimage Authorized Value Added Resellers.

Print Times

Print time on a disc ink jet printer is based on the area of the disc that is covered by ink. If a disc has several lines of type, some account or numerical information, and perhaps a logo it can print in as little as 25 seconds at the Plain/Normal (see **Sample A**). If a disc is totally covered with ink and the printer is set on the Premium/Best quality - the disc can take just over 2 minutes to print (see **Sample B**). With the large available range of printing variables, print time is not just one number. In addition to printing times, throughput also depends on the time the printer takes to bring the tray in and then move the tray out when the printing is completed. Tray in and out time typically adds 4 seconds to each disc. Listed below are the print times for each kind of disc based on disk coverage, print setting and media type. The table below indicates "average" print times based on the previous **Sample A** and **Sample B** label files.

*Amount of coverage	Print Quality	Media type	Time to print
Partial coverage	Normal	Plain	26 seconds
Partial coverage	Normal	Premium	37 seconds
Partial coverage	Best	Plain	46 seconds
Partial coverage	Best	Premium	85 seconds
Full coverage	Normal	Plain	32 seconds
Full coverage	Normal	Premium	56 seconds
Full coverage	Best	Plain	59 seconds
Full coverage	Best	Premium	132 seconds

** For internal use only, not to be distributed*



Sample A - Partial Coverage



Sample B - Full Coverage

Printing Options

The table below graphically illustrates how the print setting and print mode on the label file affects the printing speed and the amount of ink consumed.

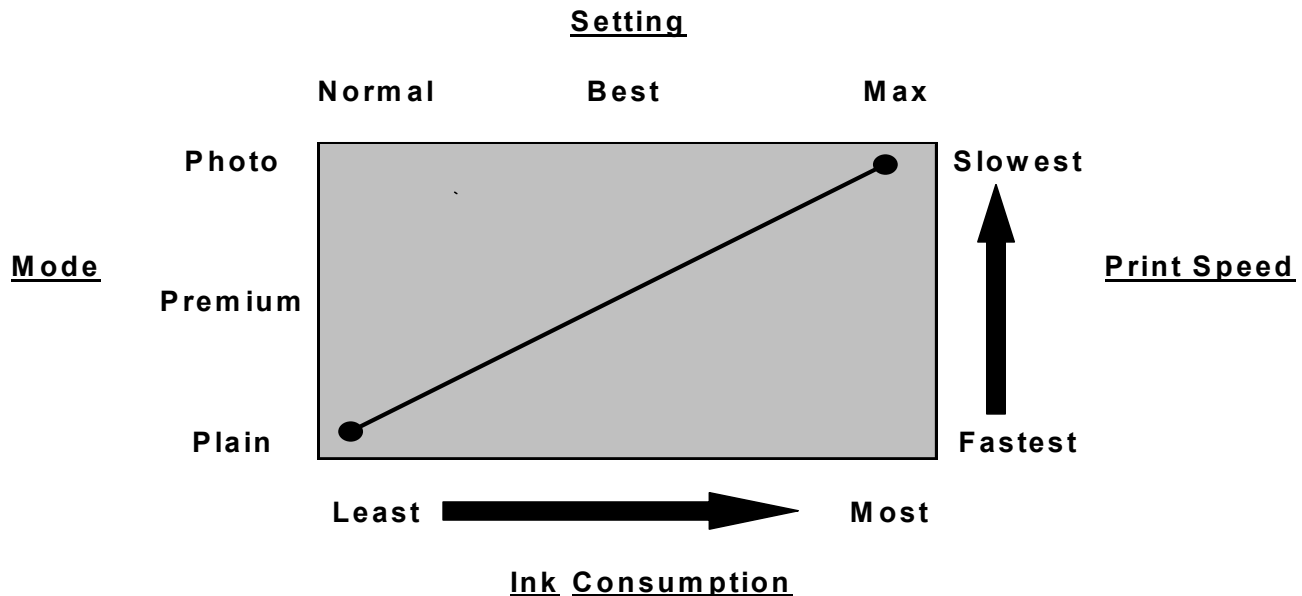


Photo Ink Cartridge

The six colors of the photo ink cartridge are Cyan, Magenta, Yellow from the color CMY cartridge, and Light Cyan, Light Magenta and Yellow from the new RP1 photo ink cartridge. By adding light cyan and light magenta to the Rimage 2000i/480i color palette, you get absolutely stunning results. Skin tones on faces look more natural. Shades and gradations are more gradual and smooth. Colors are brighter and even more vibrant. The black that is now created out of the photo ink cartridge is composite ink that is considered a more "pure" black. The benefits of the Photo Ink cartridge include:

- **Precise dot placement** ensures true-to-life photo accuracy.
- **Ultra-small ink drops** allow smoother gradations, creating grain-free images.
- **Virtually grain-free images**, brighter, more vibrant colors and deep, rich blacks for brilliant quality.
- **Multiple dye-load inks** produce more levels of color intensity per ink color, per dot.

Rimage 480i Print Test Results

Print Test 1

The first print test on the Rimage 480i produced astounding results. From one set of standard ink cartridges (one 17 ml RC1 cartridge and one 19 ml RB1 cartridge) on the **Plain/Normal** print mode and setting; we produced **905 discs** of consistent, high quality (approximately 302 copies of each disc shown below). That equates to 12 cents of ink cost per disc based on standard MSRP pricing!

We used labels that provided 25, 50 and 100 percent disk coverage with varying degrees of color usage to represent a typical end-user mix. If the print mode settings are changed to the highest possible setting of **Photo/Maximum DPI**, using the same 3 label set, we were able to produce **355 discs** of consistent, high quality (119 copies of each disc).



Disc 1 - 25%



Disc 2 - 50%



Disc 3 - 100%

Print Test 2

The results from the second print test completed on the Rimage 480i were equally as impressive. The second test used **Disc 1**, again with one set of standard ink cartridges for the Rimage 480i (one 17 ml RC1 cartridge and one 19 ml RB1 cartridge). With the **Premium/Best** print mode and setting; we were able to produce **1950 discs** of consistent, high quality before the RB1 black ink cartridge ran out. That equates to less than 6 cents of ink cost per disc based on standard MSRP pricing!



Disc 1 - 25%

Printer Specifications

Printing Resolution	Up to 4800 dpi (driver selectable)
Droplet Size	3 pl (pico-liter)
Pixel Density	5.76 million pixels per square inch
Print Speeds	26 to 132 seconds per disc, depending on coverage
Color Spectrum	16.7 million colors
Print Modes	Plain (normal, best, max dpi) Premium (normal, best, max dpi) Photo (normal, best, max dpi)
Ink Cartridges	Black Rimage # RB1 CMY Rimage # RC1 Photo Rimage # RP1
Media Types	120mm CD and DVD media with ink jet printable surface
Label Editor Software	CD Designer for Windows included
Print Drivers	Windows 2000, XP
Interface	USB 1.1
Power	100-240V, 1.0 A, 50/60 Hz Auto-ranging
Operating Temperature	60° F to 95° F (15.5° C to 35° C)
Relative Humidity	20% to 80% non-condensing
Certifications	Emissions: FCC Class B, EN 55022 Class B Susceptibility: EN55024 Safety: EN 60950, UL1950, c-UL1950 Conformance Marks: UL, cUL, CE
Physical	Height 6.0" x Width 15.75" x Depth 15.0" (15.2 cm x 40 cm x 38.1 cm) Weight 14 lbs. (6.35 kg)
Warranty	One year limited depot

*Specifications subject to change without notice.

Maintenance Options

The Rimage 480i comes with a one-year warranty from Rimage. The full warranty is printed at the end of this document. The warranty is a return-to-factory warranty with repairs normally taking 15 business days to complete.

There are several additional options that cover both the potential cost and timing for a printer that requires maintenance. Please see the **Rimage Corporation Price & Discount** list for details and part numbers.

Option	Terms and conditions	1 st year	2 nd year
Standard Warranty	<ul style="list-style-type: none"> • 15 business day repair • No charge for parts and labor • End user pays shipping to Rimage • Rimage pays shipping back to end user 	One year included with printer	N/A
Depot Repair	<ul style="list-style-type: none"> • 5 business day repair • No charge for parts and labor • End user pays shipping to Rimage • Rimage pays shipping back to end user 	\$ 99.00	\$ 149.00
Rapid Exchange	<ul style="list-style-type: none"> • Replacement unit delivered next day • No charge for parts and labor • Rimage pays overnight shipping to end user • End user pays ground shipping to back to Rimage 	\$ 239.00	\$ 279.00
On-site	Not available for this product	N/A	N/A

Pricing and Ordering

Product	Part number	M.S.R.P.	Description
Rimage 480i Color Disc Printer	520201-001	\$1,295.00	Standalone Inkjet Printer
CMY Ink Cartridge	RC1	\$ 59.95	Color inkjet cartridge for Rimage 2000i/480i products.
Photo-color Ink Cartridge	RP1	\$ 49.95	Photo inkjet cartridge for Rimage 2000i/480i products.
Black Ink Cartridge	RB1	\$ 49.95	Black inkjet cartridge for Rimage 2000i/480i products.
600 CD Media Kit	210790-001	\$ 415.00	Rimage 2000i/480i CD-R, White Printable Surface, 600 Disc Bulk Pack, 2 CMY & 1 black cartridge.
600 DVD Media Kit	210791-001	\$1,485.00	Rimage 2000i/480i DVD-R White Printable Surface, 600 Disc Bulk Pack, 2 CMY & 1 black cartridge.

*Prices and part numbers are subject to change.

What's in the Box

Rimage 480i printer	RB1 black cartridge	RC1 CMY cartridge
Power Cord	Rimage printer driver software	CD Designer software
10 pack of Rimage Media Kit	User Guide	Quick Start Guide
Rimage Warranty Statement		

Rimage Media Kits

Rimage Media Kits™ are designed to maximize quality and convenience when using Rimage printers. Rimage Media Kits come pre-assembled with enough printing supplies to print all discs included in the media kit. No more worrying about whether your ink jet compatible media really is compatible. No more expensive discs ending up as printing rejects. Rimage has partnered with high quality media manufacturers to bring you the best combination of media and printing supplies possible – and at a great competitive price. CD-R and DVD-R media made to Rimage specifications cannot be purchased through traditional media channels. Add all that to the Rimage guarantee and you have a great combination that can't be beat.

Rimage Media Kit Guarantee: Rimage guarantees these discs to print and record to the end user's satisfaction if they are properly handled and maintained. Rimage will, at its option, replace the media and printing consumables, or give a refund of the purchase price, should Rimage Media Kit components fail to print and record properly.

Contact Information

For more information on Rimage 480i Inkjet printer contact:

Rimage Inside Sales Group

Telephone 1-800-445-8288

E-mail sales@rimage.com

Rimage Corporation
7725 Washington Ave. S.
Minneapolis, MN 55439
USA
phone: (952) 944-8144
fax: (952) 944-7808
web: www.rimage.com

Rimage Europe GmbH
Hans-Böcklar-Str. 7
63128 Dietzenback
Germany
Phone: 49.0.6074.8521.0
Fax: 49.0.6074.8521.21
Web: www.rimage.de

Rimage Limited One Year Warranty

Rimage Corporation (“Rimage”) warrants, to the original end user only (“You”), that all non-consumable parts of the Rimage 480i will be free from defects in material and workmanship for a 1 Year period, according to the following terms:

- Rimage will replace or repair, at Rimage's discretion, any non-consumable parts found defective within the Warranty period.
- Valid from the date Rimage ships the product to You.
- Factory depot repair at Rimage Minnesota or Rimage Germany with a typical response of 15 business days (25 business days for International). (On-site repair, or faster response Maintenance Contracts are available for an additional fee.)
- Rimage will pay ground service freight charges for components shipped back to You.

This Warranty Does Not include the following:

- Work done at the Your location or Your loss of data.
- Shipment costs of equipment or components returned to the Rimage factory.
- Software and/or firmware enhancements released after purchase of the product.
- Equipment or parts that were tampered with, misused, neglected, or that were modified in any respect without the written consent of Rimage.
- Equipment or parts that have been damaged due to shipping or accidents, or damaged by lightning, storms, water, or power surges.
- Printer consumables including ink cartridges, ribbons, retransfer rolls, or print heads.

You may not assign this Warranty without Rimage's written consent. Rimage is the intended beneficiary of this Warranty; if there is any inconsistency between this Warranty and any other agreement included with or relating to Rimage products, this Warranty shall govern. If any term of this Warranty is illegal or unenforceable, the legality and enforceability of the remaining provisions are not affected or impaired. This Warranty is to be interpreted under the laws of the State of Minnesota, U.S.A., without giving effect to conflict of law rules. The parties hereby expressly exclude the application of the United Nations Convention on Contracts for the International Sale of Goods to this Warranty and its performance.

Rimage must receive written notice of any claimed defect or failure to perform within five (5) days after such failure or defect is first observed. For warranty service, call Rimage at (952) 946-0004. For warranty service in Europe, call +49-(0) 6074-8521-0.

THE LIMITED WARRANTY SET FORTH ABOVE IS RIMAGE'S ONLY WARRANTY IN CONNECTION WITH THE 480i. ALL OTHER WARRANTIES, WHETHER WRITTEN OR ORAL, EXPRESS OR IMPLIED, CONTRACTUAL OR STATUTORY, INCLUDING, BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED AND DISCLAIMED. IN NO EVENT SHALL RIMAGE'S LIABILITY UNDER THIS WARRANTY EXCEED THE OBLIGATION TO REPAIR OR REPLACE, AT RIMAGE'S DISCRETION, A WARRANTED PRODUCT, AND, WITHOUT LIMITING THE FOREGOING, RIMAGE'S LIABILITY UNDER THIS WARRANTY SHALL NOT EXCEED THE COST OF THE COVERED PRODUCT.

To check order shipment information, return goods data, shipping details, or tracking specifics on the Rimage web site go to www.rimage.com and select Order Status.