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User manual KONICA MINOLTA MAGICOLOR 1680MF
User guide KONICA MINOLTA MAGICOLOR 1680MF
Operating instructions KONICA MINOLTA MAGICOLOR 1680MF
Instructions for use KONICA MINOLTA MAGICOLOR 1680MF
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magicolor 1680MF Printer / Copier / Scanner User's Guide

A0HF-9561-00A



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Manual abstract:

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x-5 Contents | Introduction ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.. 1-1 Getting Acquainted with Your Machine

.....

.....

.....

.....

.....

.....

.. 1-2 Space Requirements...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

1-2 Part Names

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.. 1-3 Front View...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

1-3 Rear View

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

... 1-4 Front View with Option.....

.....

.....

.....

.....

.....

.....

.....

..... 1-5 Drivers CD/DVD ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... 1-6 Printer Drivers ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

... 1-6 Scanner Drivers

.....

.....

.....

.....
.....
.....
.....

.....
.....
.....
.....
..... *1-6 Applications CD/DVD ..*

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

1-7 Applications.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

. 1-7 Documentation CD/DVD

.....
.....
.....
.....

.....
.....
.....
.....

..... 1-8 Documentation..

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.... 1-8 System Requirements.....

.....

.....
.....

.....
.....
.....

.....
.....
.....

..... 1-9 Control Panel and Configuration Menu

.....
.....
.....

.....
.....
.....

2-1 About the Control Panel

.....
.....
.....

.....
.....
.....

2-2 Control Panel Indicators and Keys.....

.....
.....

.....
.....
.....

.. 2-2 2 x-6 Contents Display Indications ...

.....
.....

.....
.....
.....

.....
.....
.....

..... 2-4 Main Screen (Copy Mode) ..

.....
.....
.....

.....
.....
.....

.....
.....
. 2-4 Main Screen (Scan Mode)
.....

.....
.....
.....
.....

.....
.....
.....
.... 2-6 Print Screen

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.... 2-7 Checking the Machine Status and Settings

.....
.....
.....
.....

.....
.. 2-8 PRINTER MODE Menu...

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

. 2-8 TONER REMAINING

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

... 2-9 T/C CHANGE

.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

..... 2-9 REPORT/STATUS Menu ...

.....
.....
.....

.....
.....
.....

. 2-11 TOTAL PRINT....

.....
.....

.....
.....
.....

.....
.....
.....

..... 2-11 SUPPLY STATUS....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

..... 2-12 REPORT

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

..... 2-12 Configuration Menu Overview ..

.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 2-13 UTILITY Menu....

.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 2-13 MACHINE SETTING Menu...

.....
.....
.....
.....
.....
.....
.....

.. 2-14 TRAY1 PAPER SETUP Menu ...

.....
.....
.....
.....
.....

.. 2-17 ADMIN. MANAGEMENT Menu..

.....
.....
.....
.....
.....

.. 2-19 COPY SETTING Menu ...

.....
.....
.....
.....
.....

.....
.....
.....
... 2-20 3 Media Handling

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... 3-1 Print Media ...

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... 3-2 Specifications ..

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.. 3-2 Types ...

.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

.....
..... 3-3 Plain Paper (Recycled Paper)..

.....
.....
.....
.....
.....
.....
.....
.....

. 3-3 Thick Stock

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.. 3-4 Envelope

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 3-5 Label ...

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

... 3-6 Letterhead..

.....
.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
3-7 Postcard.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..... 3-7 Printable Area ...

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

... 3-8 Envelopes

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.. 3-9 Page Margins ...

.....
.....
.....
.....

5-4 Making Advanced Copies

.....
.....
.....
.....

.....
.....
.....

.. 5-5 Setting a Copy Function..

.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 5-5 ID Card Copying

.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 5-5 Repeat Copying ..

.....
.....
.....
.....
.....
.....
.....
.....
.....

.. 5-6 Poster Copying

.....
.....
.....
.....
.....
.....
.....
.....
.....

.. 5-7 Using the Scanner ...

.....
.....
.....
.....

.....

.....

.....

.....

.....

.....

.....

. 6-1 Scanning From a Computer Application

.....

.....

.....

.....

.....

..... 6-2 Basic Scanning Operation.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.... 6-2 Windows TWAIN Driver Settings

.....

.....

.....

.....

.....

.....

.....

..... 6-3 Windows WIA Driver Settings ..

.....

.....

.....

.....

.....

.....

.....

.....

..... 6-5 Macintosh TWAIN Driver Settings...

.....

.....

.....

.....

.....

.....

.....

6-6 Scanning With the Machine

.....

.....

.....
.....
.....
.....

.... 6-8 Basic Scanning Operation.....

.....
.....
.....
.....
.....
.....
.....
.....

..... 6-8 Replacing Consumables .

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 7-1 Replacing Consumables ..

.....
.....
.....
.....
.....
.....
.....
.....

.. 7-2 About Toner Cartridges...

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 7-2 Replacing a Toner Cartridge

.....
.....
.....
.....
.....
.....

.....
.....

.....
.....
.....
.....
.. 7-5 Replacing All Toner Cartridges at the Same Time...

.....
.....
.....
.....
... 7-10 5 6 7 x-8 Contents Replacing the Imaging Cartridge.....

.....
.....
.....
.....
..... 7-11 Replacing the Fuser Unit...

.....
.....
.....
.....
. 7-15 8 Maintenance

.....
.....
.....
.....
8-1 Maintaining the Machine

.....
.....
.....
.....
..... 8-2 Cleaning the Machine .

.....
.....
.....

.....
.....
.....
.....
.....
.....
.....
.....

... 8-4 Exterior.....

.....
.....
.....
.....
.....
.....
.....
.....

.. 8-4 Media Rollers ...

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

. 8-5 Cleaning the Media Feed Roller

.....
.....
.....
.....
.....
.....
.....

8-5 Print Head Window

.....
.....
.....
.....
.....
.....
.....
.....

... 8-10 Clearing the Print Head Window..

.....
.....
.....
.....
.....

8-10 Troubleshooting

.....
.....
.....
.....
.....
.....
.....

.. 9-1 Introduction ...

.....
.....
.....
.....
.....
.....
.....

.. 9-2 Printing a Configuration Page

.....
.....
.....
.....
.....
.....

.. 9-3 Preventing Media Misfeeds

.....
.....
.....
.....
.....

.. 9-4 Understanding the Media Path ...

.....

.....

.....

.....

.....

.....

.....

.....

..... 9-5 Clearing Media Misfeeds

.....

.....

.....

.....

.....

.....

.....

.....

.... 9-5 Media Misfeed Messages and Clearing Procedures.

.....

.....

.....

.....

.... 9-6 Clearing a Media Misfeed in the Machine.

.....

.....

.....

.....

.....

.... 9-7 Clearing a Media Misfeed From Tray 1.....

.....

.....

.....

.....

.....

.....

. 9-14 Solving Problems with Media Misfeeds

.....

.....

.....

.....

.....

.... 9-15 Solving Other Problems .

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.. 9-17 Solving Problems with Printing Quality

.....
.....
.....

.....
.....
.....

.... 9-20 Status, Error, and Service Messages

.....
.....
.....
.....

.....
.....
.....

. 9-26 Status Messages.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

... 9-26 Error Messages..

.....
.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.. 9-27 Service Messages...

.....
.....
.....
.....
.....

.....
.....
.....
.....

.. 9-30 9 10 Installing Accessories ...

.....
.....
.....
.....
.....

.....
.....

.....
.....
.....
.....

... 10-1 Dust Cover

.....
.....

.....
.....
.....

.....
.....
.....

... 10-2 Installing the Dust Cover ..

.....
.....

.....
.....
.....

.....
.....

..... 10-2 A Appendix ..

.....
.....
.....

.....
.....
.....

.....
.....
.....

..A-1 Technical Specifications ...

.....
.....

.....
.....
.....

.....
.....
.....

.A-2 Consumable Life Expectancy Chart.....

.....
.....
.....
.....
.....
.....
.....

.A-5 User-Replaceable

.....
.....
.....
.....
.....
.....
.....
.....
.....

..A-5 Service-Replaceable.....

.....
.....
.....
.....
.....
.....
.....

.....A-5 Contents x-9 x-10 Contents I Introduction Getting Acquainted with Your Machine Space Requirements To ensure easy operation, consumable replacement and maintenance, adhere to the recommended space requirements detailed below.

505 mm (19.9") 405 mm (15.9") 100 mm (3.9") Front View 234 mm (9.2") 160 mm (6.

3") 100 mm (3.9") 405 mm (15.9") 765 mm (30.1") 100 mm (3.9") Side View 1-2 Getting Acquainted with Your Machine 376 mm (14.

8") 610 mm (24.0") Part Names The following drawings illustrate the parts of your machine referred to throughout this guide, so please take some time to become familiar with them. Front View 1--Control panel 2--Original cover 3--Tray 1 (Multipurpose tray) 4--Output tray 5--Extension tray 6--Original glass 7--Original cover pad 8--Scanner unit M 2 1 7 6 5 M 8 4 3 Getting Acquainted with Your Machine 1-3 9--Fuser unit 10--Fuser separator levers 11--Fuser cover lever 12--Imaging cartridge 13--Toner cartridge 14--Front cover 9 10 11 10 9 12 13 14 12 13 Rear View 1--Power switch 2--Power connection 3--USB port 1 3 2 1-4 Getting Acquainted with Your Machine Front View with Option 1--Dust Cover M 1 Getting Acquainted with Your Machine 1-5 Drivers CD/DVD Printer Drivers Drivers Windows Vista/XP/Server 2003/ 2000 Windows Vista/XP/Server 2003 for 64bit Macintosh OS X (10.2.8/10.3/10.4/ 10.5) Use/Benefit These drivers give you access to all of the printer features. For details, refer to "Displaying Printer Driver Settings" on page 4-3. Scanner Drivers Drivers Use/Benefit TWAIN Driver for Windows Vista/XP/ These drivers enable you to set scanServer 2003/2000 ning functions, such as the color setting and size adjustments.

TWAIN Driver for Macintosh OS X (10.2.8/10.3/10.4/10.5) WIA Driver for Windows Vista/XP For details, refer to "Windows TWAIN Driver Settings" on page 6-3. This driver enables you to set scanWIA Driver for Windows Vista/XP for ning functions, such as the color setting and size adjustments. 64 bit For details, refer to "Windows WIA Driver Settings" on page 6-5. For details on the installation of the drivers, refer to the Installation Guide. For details of the Macintosh drivers, refer to the Reference Guide on the Documentation CD/DVD.

Windows TWAIN driver does not correspond to 64-bit applications though it corresponds to 32-bit applications on 64-bit OS. 1-6 Getting Acquainted with Your Machine Applications CD/DVD Applications Applications PaperPort SE Use/Benefit This software is a document management software package that helps you scan, organize, access, share, and manage both your paper and digital documents on your personal computer. For details, refer to the PaperPort SE User's Guide from the Help menu. LinkMagic This software enables scanned documents to be saved in a file, processed, mail attached, and printed out. For details, refer to the Reference Guide on the Documentation CD/ DVD.

Getting Acquainted with Your Machine 1-7 Documentation CD/DVD Documentation Documentation Installation Guide Use/Benefit This manual provides installation details that must be performed in order to use this machine, such as setting up the machine and installing the drivers. Printer/Copier/Scanner User's Guide This manual provides details on gen(this manual) eral daily operations, such as using the drivers and control panel and replacing consumables. Reference Guide This manual provides details on installing the Macintosh drivers and on specifying settings for LinkMagic. The Quick Guide provides simple procedures for copy and scanning operations and for replacing consumables. The Need Assistance sheet provides information on product support and servicing.

This guide provides details on operating conditions and precautions. Be sure to read this information before using the machine. Quick Guide Service & Support Guide Readme 1-8 Getting Acquainted with Your Machine System Requirements Personal computer For Windows Pentium II: 400MHz or higher

(Pentium 3: 500MHz or higher is recommended) PowerPC G3 or later (G4 or later is recommended) Intel processor Microsoft Windows Vista Home Basic/Home Premium/Ultimate/Business/Enterprise, Windows Vista Home Basic/Home Premium/ Ultimate/Business/Enterprise x64 Edition, Windows XP Home Edition/ Professional (Service Pack 2 or later), Windows XP Professional x64 Edition, Windows Server 2003, Windows Server 2003 x64 Edition, Windows 2000 (Service Pack 4 or later) Mac OS X (10.



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2.8 or later; We recommend installing the latest patch) For Macintosh Operating System Free hard disk space 256 MB or more RAM 128 MB or more CD/DVD drive I/O interface USB Revision 2.0 and USB Revision 1.1 compliant port The USB cable is not included with the machine. For details of the Macintosh drivers, refer to the Reference Guide on the Documentation CD/DVD. Getting Acquainted with Your Machine 1-9 1-10 Getting Acquainted with Your Machine 2 Control Panel and Configuration Menu About the Control Panel 1 3 24 35 7 8 9 6 10 11 12 13 Control Panel Indicators and Keys No. Name 1 2 3 4 5 6 Message window +/, keys */) keys Select key Error indicator Back key Function Displays settings, menus, and messages.

Moves up and down through menus, options, or choices. Moves left and right through menus, options, or choices. Press to select the setting that is currently displayed. Indicates an error condition. Clears the specified number of copies and entered text. Press to return to the previous screen. Press to cancel the setting that is currently displayed. 7 8 Keypad Scan key/LED Enters desired number of copies. Enters Scan mode. (Scan to PC) Lights up in green to indicate that the machine is in Scan mode.

For details on the Scanner functions, refer to chapter 6, "Using the Scanner" 2-2 About the Control Panel No. Name 9 Copy key/LED Function Enters Copy mode. Lights up in green to indicate that the machine is in Copy mode. For details on the Copy functions, refer to chapter 5, "Using the Copier". 10 11 Start (B&W) key Starts monochrome copying or scanning.

Start indicator Lights up in blue when copying is possible. Lights up in orange when copying is not possible, for example, during warm-up or if an error has occurred. 12 13 Start (Color) key Starts color copying or scanning. Stop/Reset key Returns the settings to their defaults and stops functions. About the Control Panel 2-3 Display Indications Main Screen (Copy Mode) 3 1 2 4 No.

Indication 1 Copy settings Description Allows the current settings to be checked and the various settings to be changed. For details, refer to "Copy settings" on page 2-5. Depending on the situation, the machine status or an error message may appear. Indicates the copy density. 2 3 Status Copy density AUTO appears when DENSITY is set to AUTO and the TEXT copy mode is selected. 4 Number of copies Indicates the number of copies. 2-4 About the Control Panel Copy settings 1 2 3 Press +/, 4 5 6 No. Indication 1 Media size Description Indicates the media size that is selected. The media size setting can be changed with TRAY1 PAPER SETUP in the UTILITY menu. @@Indicates the zoom ratio that is selected.

@@Indicates the copy quality that is selected. For details on selecting the copy quality, refer to "Specifying the Copy Quality Setting" on page 5-3. Indicates the copy function that is set. For details on setting a copy function, refer to "Setting a Copy Function" on page 5-5. Select this menu item to change the various machine settings. For details, refer to "UTILITY Menu" on page 2-13. 2 Zoom ratio 3 Copy quality 4 Copy function 5 UTILITY 6 REPORT/STA- Select this menu item to view the total number of pages printed by this machine and print the reports. TUS For details, refer to "REPORT/STATUS Menu" on page 2-11. About the Control Panel 2-5 Main Screen (Scan Mode) Document pages can be scanned if a Start key is pressed while this screen is displayed. To scan in color, press the Start-Color key.

To scan in black and white, press the Start-B&W key. For details, refer to "Scanning With the Machine" on page 6-8. In order to scan by pressing the Start key while the screen shown above is displayed, the TWAIN scanner driver, the printer driver and LinkMagic (Windows only) must be installed on the computer. 2-6 About the Control Panel Print Screen When a print job is received, PRINTER: Printing appears in the status section of the main screen. To display the print screen (as shown below), press the * key while PRINTER: Printing is displayed.

To cancel printing, press the Stop/Reset key when the print screen appears. Press the Select key to select YES. 1 2 No. Indication 1 2 Status Media tray/ media size Description Displays messages indicating operations such as printing. Indicates the media tray and media size that is selected.

When a print job is received from the printer driver, the paper size specified with the printer driver has priority if it is different from the paper size specified from the control panel with TRAY1 PAPER SETUP in the UTILITY menu. About the Control Panel 2-7 Checking the Machine Status and Settings PRINTER MODE Menu With the main screen displayed, press the * key to display the PRINTER MODE screen. From this menu, a general estimate of the amount of toner remaining in the toner cartridges can be viewed, and the printer operation mode can be switched. The printer operation modes include one for replacing a toner cartridge (REPLACE MODE), one for replacing all toner cartridges (EJECT MODE), and one for cleaning the print head window (P/H CLEAN MODE). The PRINTER MODE menu is structured as shown below. To return to the previous screen, press the Back key. To display the main screen, press the Stop/Reset key. PRINTER MODE TONER REMAINING T/C CHANGE REPLACE MODE Y TONER EJECT MODE M TONER P/H CLEAN MODE C TONER K TONER 2-8 Checking the Machine Status and Settings TONER REMAINING A general estimate of the amount of toner remaining in the toner cartridges can be viewed. If the Select key is held down for at least 2 seconds while the screen described above is displayed, the configuration page will be printed. T/C CHANGE REPLACE MODE Switches the machine to the REPLACE MODE.

This mode is used when replacing a toner cartridge. For details on replacing a toner cartridge, refer to "Replacing a Toner Cartridge" on page 7-5. To return to normal operation mode from REPLACE MODE, press the Stop/Reset key. EJECT MODE Switches the machine to the EJECT MODE. This mode is used when replacing all toner cartridges at the same time. For details on replacing all toner cartridges, refer to "Replacing All Toner Cartridges at the Same Time" on page 7-10. To return to normal operation mode from EJECT MODE, press the Stop/Reset key. Checking the Machine Status and Settings 2-9 P/H CLEAN MODE Switches the machine to the P/H CLEAN MODE. P/H CLEAN MODE is a mode that allows the user to clean the print head window more easily. The print head window is not cleaned automatically.

For details on cleaning the print head window, refer to "Clearing the Print Head Window" on page 8-10. To return to normal operation mode from P/H CLEAN MODE, refer to "Clearing the Print Head Window" on page 8-10.



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2-10 Checking the Machine Status and Settings REPORT/STATUS Menu To display the REPORT/STATUS screen, select REPORT/STATUS in the main screen, and then press the Select key. From this menu, the total number of pages printed by this machine can be viewed. In addition, the reports can be printed.

The REPORT/STATUS menu is structured as shown below. To return to the previous screen, press the Back key. To display the main screen, press the Stop/Reset key. REPORT/STATUS TOTAL PRINT SUPPLY STATUS REPORT TOTAL PRINT The total number of pages for each of the following can be checked. TOTAL PRINT MONO COPY COLOR COPY MONO PRINT COLOR PRINT TOTAL SCAN This counter shows the total number of pages printed. This counter shows the total number of pages copied in black-and-white. This counter shows the total number of pages copied in color. This counter shows the total number of pages printed in black-and-white. This counter shows the total number of pages printed in color. This counter shows the total number of document pages that were scanned. Checking the Machine Status and Settings 2-11 SUPPLY STATUS The remaining amount of toner in the toner cartridges and the remaining service life of the imaging cartridges can be displayed as a percentage. C TONER M TONER Y TONER K TONER I/C Displays the remaining amount of toner in the cyan (C) toner cartridge as a percentage. Displays the remaining amount of toner in the magenta (M) toner cartridge as a percentage. Displays the remaining amount of toner in the yellow (Y) toner cartridge as a percentage. Displays the remaining amount of toner in the black (K) toner cartridge as a percentage.

Displays the remaining service life of the imaging cartridge as a percentage. REPORT The machine settings can be printed. UTILITY MAP Prints the UTILITY menu and its settings. remaining and the settings, information and status of this machine. CONFIGURATION PAGE Prints a estimate of the percentage of toner 2-12 Checking the Machine Status and Settings Configuration Menu Overview To display the settings menu for this machine, select UTILITY in the main screen, and then press the Select key. From the UTILITY menu, settings for the various machine functions can be changed. UTILITY Menu From this menu, various machine settings can be changed. The UTILITY menu is structured as shown below. To return to the previous screen in the UTILITY menu, press the Back key. (If the Back key is pressed while settings are being specified, those settings are not saved.)

) The ADMIN. MANAGEMENT menu is accessible only by the administrator. To display the settings for this menu, select ADMIN. MANAGEMENT, use the keypad to type in the 6-digit administrator access code (default: 000000), and then press the Select key. UTILITY MACHINE SETTING TRAY1 PAPER SETUP ADMIN.

MANAGEMENT COPY SETTING Configuration Menu Overview 2-13 MACHINE SETTING Menu MACHINE SETTING AUTO PANEL RESET ENERGY SAVE MODE LCD CONTRAST KEY SPEED TIME TO START INTERVAL LANGUAGE TONER OUT STOP TONER LOW AUTO CONTINUE CALIBRATION 2-14 Configuration Menu Overview Manufacturer's default settings appear in bold. AUTO PANEL RESET Setting OFF / 30sec / 1min / 2min / 3min / 4min / 5min Specify the length of time until all settings that have not been programmed, such as the number of copies, are cleared and return to their default settings when no operation is performed. To set the machine to perform the auto panel reset operation, select from 30sec, 1min, 2min, 3min, 4min or 5min for the length of time until the auto panel reset operation is performed. ENERGY SAVE MODE Setting 5 min / 15 min / 30 min / 60 min Enters Energy Save mode in order to conserve energy when no operation is performed. Specify the length of time in minutes until the machine enters Energy Save mode. LCD CONTRAST KEY SPEED TIME TO START Setting Setting (LIGHT) (DARK) Specify the brightness of the message window. 0.1sec / 0.3sec / 0.5sec / 1.0sec / 1.5sec / 2.0sec / 2.5sec / 3.0sec Specify the length of time until the cursor begins to move continuously when a key is held down.

INTERVAL Setting 0.1sec / 0.3sec / 0.5sec / 1.0sec / 1.5sec / 2.0sec / 2.5sec / 3.0sec Specify the length of time until the cursor continuously moves between settings or characters. LANGUAGE Setting ENGLISH / FRENCH / GERMAN / ITALIAN / SPANISH / PORTUGUESE / RUSSIAN / CZECH / SLOVAK / HUNGARIAN / POLISH / JAPANESE Select the language of the menus and messages that appear in the message window.

Configuration Menu Overview 2-15 TONER OUT STOP Setting ON / OFF Select whether or not printing and copying stop when the toner has run out. If ON is selected, printing and copying stop when the toner runs out. If OFF is selected, printing and copying continues even if toner has run out. TONER LOW Setting ON / OFF Select whether or not a warning message appears when the toner is nearly empty. AUTO CONTINUE Setting ON / OFF Select whether or not printing continues when a size error occurs during printing.

CALIBRATION Setting ON / OFF Select whether or not to perform image stabilization. If ON is selected, image stabilization is started. 2-16 Configuration Menu Overview TRAY1 PAPER SETUP Menu TRAY1 PAPER SETUP Manufacturer's default settings appear in bold. Media type Paper size PLAIN PAPER / LETTERHEAD / THICK1 / THICK2 / LABELS / ENVELOPE / POSTCARD The available paper sizes differ depending on the setting selected as the media type. Setting selected as the media type Available paper sizes PLAIN PAPER A4 / A5 / B5 / LEGAL / LETTER / G LETTER / STATEMENT / EXECUTIVE / FOLIO / OFICIO / G LEGAL / CUSTOM(PLAIN) A4 / A5 / B5 / LETTER / G LETTER / STATEMENT / EXECUTIVE / CUSTOM(THICK) THICK1, THICK2 LETTERHEAD, LABELS A4 / A5 / B5 / LETTER / G LETTER / STATEMENT / EXECUTIVE ENVELOPE POSTCARD C6 / DL The screen for selecting the paper size does not appear, and the following paper size is automatically specified.

100 × 148 mm [3.9 × 5.8 inch] Configuration Menu Overview 2-17 Select the type and size of the media loaded into Tray 1. If CUSTOM(PLAIN) or CUSTOM(THICK) is selected as the paper size, specify settings for LENGTH and WIDTH separately. The setting range for LENGTH is 195 to 356 mm for PLAIN PAPER, and 184 to 297 mm for THICK1 and THICK2. The default setting is 297 mm. The Setting range for WIDTH is 92 to 216 mm. The default setting is 210 mm. When a media type is selected, a screen appears, showing the available media sizes. The available media sizes differ depending on the selected media type.

The default paper size for a setting other than ENVELOPE or POSTCARD is LETTER for 120 V models, and A4 for 220 V models. When printing from the printer driver, the printer driver settings have priority over the settings specified in the TRAY1 PAPER SETUP menu. Check that Tray 1 is loaded with media of the type and size specified in the printer driver.



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Check your application documentation for more information on printing labels. Capacity Tray 1 Up to 50 sheets, depending on their thickness Orientation Face up Driver Labels Media Type Use label sheets that are Recommended for laser printing DO NOT use label sheets that Have labels that easily peel off or have parts of the label already removed Have backing sheets that have peeled away or have exposed adhesive Labels may stick to the fuser, causing them to peel off and media misfeeds to occur. Are precut or perforated Do not use OK to use Shiny backed paper Full-page labels (uncut) 3-6 Print Media Letterhead

You can print continuously with letterhead.

However, this could affect the media feed, depending on the media quality and printing environment. If problems occur, stop the continuous printing and print one sheet at a time. Try printing your data on a sheet of plain paper first to check placement. Capacity Tray 1 Up to 50 sheets, depending on their size and thickness Orientation Face up Driver Letterhead Media Type Postcard You can print continuously with postcard. However, this could affect the media feed, depending on the media quality and printing environment.

If problems occur, stop the continuous printing and print one sheet at a time. Try printing your data on a sheet of plain paper first to check placement.

Capacity Tray 1 Up to 50 sheets, depending on their thickness Orientation Face up Driver Postcard Media Type Use postcards that are Approved for laser printing DO NOT use postcards that are Coated Designed for inkjet printers Precut or perforated Preprinted or multicolored If the postcard is warped, press on the warped area before putting it in the tray. Print Media 3-7 Folded or wrinkled Printable Area The printable area on all media sizes is up to 4.0 mm (0.157") from the edges of the media. Each media size has a specific printable area (the maximum area on which the machine can print clearly and without distortion). a a a Printable Area This area is subject to both hardware a limits (the physical media size and the margins required by the machine) and a=4.0 mm (0.157") software constraints (the amount of memory available for the full-page frame buffer). The printable area for all media sizes is the page size minus 4.0 mm (0.157") from all edges of the media. When printing in color on legal-size media, the following limitations apply. The printable area is 339.

6 (13.4") mm from the leading edge of the paper. (However, there is a non-printable area up to 4.0 mm (0.157") from the leading edge.) The bottom margin is 16.0 mm (0.63"). 3-8 Printable Area Envelopes Envelopes can only be printed on their front sides (side where the recipient's address is written). In addition, printing on the front side in the area overlapping the back flap cannot be guaranteed.

The location of this area differs depending on the envelope type. Non-printable area Non-guaranteed printable area a a a Guaranteed printable area a Front side (can be printed) Back side (cannot be printed) a=4.0 mm (0.157") The envelope print orientation is determined by your application. With the Envelope DL size (long edge feeding), the nonprintable areas on the left and right sides are 6 mm.

Page Margins Margins are set through your application. Some applications allow you to set custom page sizes and margins while others have only standard page sizes and margins from which to choose. If you choose a standard format, you may lose part of your image (due to printable area constraints). If you can custom-size your page in your application, use those sizes given for the printable area for optimum results. Printable Area 3-9 Loading Media How do I load media? Take off the top and bottom sheets of a ream of paper.

Holding a stack of approximately 200 sheets at a time, fan the stack to prevent static buildup before inserting it in a tray. Note Although this machine was designed for printing on a wide range of media types, it is not intended to print exclusively on a single media type except plain paper. Continuous printing on media other than plain paper (such as envelopes, labels, or thick stock) may adversely affect print quality or reduce engine life. When refilling media, first remove any media remaining in the tray. Stack it with the new media, even the edges, then reload it. Do not mix media of different types and sizes, as this will cause media misfeeds. Tray 1 (Multipurpose Tray) For details on the types and sizes of media that can be printed from Tray 1, refer to "Print Media" on page 3-2. Loading Plain Paper 1 Open Tray 1. If media has been loaded into Tray 1, remove all media from the tray. 3-10 Loading Media 2 Slide the media guides to provide more space between them.

3 Load the paper face up in the tray. Do not load paper above the M mark. Up to 200 sheets (80 g/m2 [21 lb]) of plain paper can be loaded into the tray at one time. Loading Media 3-11 4 Slide the media guides against the edges of the paper. 5 Select TRAY1 PAPER SETUP in the UTILITY menu, and then select the settings for the size and type of paper that is loaded. See also "Print Media" on page 3-2. Other Media When loading media other than plain paper, set the media mode (Envelope, Label, Letterhead, Postcard, Thick Stock 1, or Thick Stock 2) in the driver for optimum print quality. Loading Envelopes 1 Open Tray 1. If media has been loaded into Tray 1, remove all media from the tray. 3-12 Loading Media 2 Slide the media guides to provide more space between them.

3 Load the envelopes flap side down in the tray. Before loading envelopes, press them down to make sure that all air is removed, and make sure that the folds of the flaps are firmly pressed, otherwise the envelopes may become wrinkled or a media misfeed may occur. Up to 10 envelopes can be loaded into the tray at one time. For envelopes with the flap along the long edge (Envelope C6 and Envelope DL), load the envelopes with the flap side inserted first. Loading Media 3-13 4 Slide the media guides against the edges of the envelopes.

5 Select TRAY1 PAPER SETUP in the UTILITY menu, and then select the settings for the size and type of media that is loaded. See also "Print Media" on page 3-2. Loading Label Sheets/Letterheads/Postcards and Thick Stock 1 Open Tray 1. If media has been loaded into Tray 1, remove all media from the tray. 3-14 Loading Media 2 Slide the media guides to provide more space between them.

3 Load the media face up in the tray. Up to 50 sheets can be loaded into the tray at one time. 4 Slide the media guides against the edges of the media. 5 Select TRAY1 PAPER SETUP in the UTILITY menu, and then select the settings for the size and type of media that is loaded. See also "Print Media" on page 3-2. Loading Media 3-15 Output Tray The printed media is fed out facing down into the output tray below the control panel.



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This tray has a capacity of approximately 100 sheets (A4/Letter) of 80 g/m² paper. If the media is stacked too high in the output tray, your machine may experience media misfeeds, excessive media curl, or static buildup. The output tray can be pulled out to be extended. Adjust the output tray according to the size of paper to be printed on.

3-16 Output Tray Media Storage Keep media on a flat, level surface in its original wrapper until it is time to load it. Media that has been stored for a long time out of its packaging may dry up too much and cause misfeeding. If media has been removed from its wrapper, place it in its original packaging and store in a cool, dark place on a level surface. Avoid moisture, excessive humidity, direct sunlight, excessive heat (above 35°C [95°F]), and dust. Avoid leaning against other objects or placing it in an upright position. Before using stored media, do a trial print and check print quality. **Media Storage 3-17 Original Media Specifications** The following types of documents can be placed on the original glass. Document type Maximum document size Maximum weight Sheets or books A4 or Letter 3 kg (6.6 lb) Observe the following precautions when placing a document on the original glass. Do not place objects weighing more than 3 kg (6.6 lb) on the original glass; otherwise the glass may be damaged.

Do not press down extremely hard on a book spread on the original glass; otherwise the original glass may be damaged. **3-18 Original Media Placing a Document to be Copied** 1 Lift to open the original cover. 2 Position the document on the original glass. Document Align the document with the arrow on the left side toward the rear of the machine. Placing a Document to be Copied 3-19 3 Gently close the original cover.

For details on copying the placed document, refer to chapter 5, "Using the Copier". For details on scanning, refer to chapter 6, "Using the Scanner". **3-20 Placing a Document to be Copied** 4 Using the Printer Driver Selecting Printer Driver Options/Defaults (for Windows) Before you start working with your machine, you are advised to verify and change the default printer driver settings if necessary. 1 Choose the driver's properties as follows: (Windows Vista) From the Start menu, select Control Panel, and then click Hardware and Sound to select Printers. Right-click the KONICA MINOLTA magicolor 1680MF printer icon, and then select Printing Preferences.

(Windows XP/Server 2003) From the start menu, select Printers and Faxes to display the Printers and Faxes directory. Right-click the KONICA MINOLTA magicolor 1680MF printer icon and select Printing Preferences. (Windows 2000) From the Start menu, select Settings and then Printers to display the Printers directory. Right-click the KONICA MINOLTA magicolor 1680MF printer icon and select Printing Preferences. 2 3 4 Select the Basic tab. Select the default settings for your machine, such as the default media format you use. Click Apply. Click OK to exit from the Printing Preferences dialog box. 4-2 Selecting Printer Driver Options/Defaults (for Windows) Uninstalling the Printer Driver (for Windows) This section describes how to uninstall the printer driver if necessary. You must have administrator privileges in order to uninstall the printer driver.

If the User Account Control window appears when uninstalling on Windows Vista, click the Allow button or the Continue button. **Windows Vista/XP/Server 2003/2000** 1 2 Close all applications. Choose Uninstall Program as follows: (Windows Vista/XP/Server 2003) From the Start menu, choose All programs, KONICA MINOLTA, magicolor 1680MF, Printer, and then Uninstall. (Windows 2000) From the Start menu, choose Program, KONICA MINOLTA, magicolor 1680MF, Printer, and then Uninstall. 3 4 When the Uninstall dialog box appears, select the printer to be deleted, and then click Uninstall button. The printer driver will be uninstalled from your computer. **Displaying Printer Driver Settings** **Windows Vista** 1 2 From the Start menu, select Control Panel, and then click Hardware and Sound to select Printers. Right-click the KONICA MINOLTA magicolor 1680MF printer icon then select Printing Preferences. **Windows XP/Server 2003** 1 2 From the start menu, select Printers and Faxes to display the Printers and Faxes directory. Right-click the KONICA MINOLTA magicolor 1680MF printer icon and select Printing Preferences.

Uninstalling the Printer Driver (for Windows) 4-3 **Windows 2000** 1 2 From the Start menu, select Settings, and then click Printers to display the Printers directory. Right-click the KONICA MINOLTA magicolor 1680MF printer icon and select Printing Preferences. 4-4 **Displaying Printer Driver Settings** **Printer Driver Settings Common Buttons** The buttons described below appear on each tab. OK Click to exit the Properties dialog box, saving any changes made. Cancel Click to exit the Properties dialog box without saving any changes made.

Apply Click to save all changes without exiting the Properties dialog box. Help Click to view the help. Easy Set Click Save to save the current settings. Specify a Name and Comment to access the settings for use again later. Name: Type in the name of the settings to be saved.

Comment: Add a simple comment to the settings to be saved. Afterward, the saved settings can be selected from the drop-down list. To change the registered settings, click Edit. Select Default from the drop-down list to reset the functions in all tabs to their default values. @@@@ This button does not appear on the Version tab. @@ When this button is clicked, it changes to the Printer View button. @@ When this button is clicked, it changes to the Printer View button. This button appears only when the Watermark tab is selected. @@ When this button is clicked, it changes to the Printer View button. This button appears only when the Quality tab is selected.

Default Click the button to reset the settings to their defaults. This button does not appear on the Version tab. @@@@ @@@@ Before making copies, check that the Copy key is lit up in green. @@@@ @@@@ Specify the desired copy settings. @@@@ @@@@ Using the keypad, specify the desired number of copies. @@ To print monochrome copies, press the Start-B&W key. Copying begins. If the Stop/Reset key is pressed while copying, JOB CANCEL appears. To stop copying, select YES. @@ Press the + or , key to select MODE, and then press the Select key.

@@@ @@@@ Press the * or) key to select the desired copy density, and then press the Select key. As the indicator is moved to right, the density becomes darker. The main screen (Copy mode) appears again. If TEXT or FINE/TEXT is selected as the copy mode, select either AUTO or MANUAL in step 3. If MANUAL is selected, specify the copy density.

Making Basic Copies 5-3 **Specifying the Zoom Ratio** The zoom ratio can be specified either by selecting a preset zoom ratio or by specifying a custom zoom ratio.



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Selecting a Preset Zoom Ratio 1 2 3 In the main screen (Copy mode), press the + or , key to select the current zoom ratio setting, and then press the Select key. Press the + or , key to select FIXED, and then press the Select key. Press the + or , key to select the desired zoom ratio, and then press the Select key. The main screen (Copy mode) appears again.

The following zoom ratios can be selected. In metric dimensions: 50%, 70% (A4A5), 81% (A4B5), 100%, 115% (B5A4), 141% (A5A4), 200% In inch dimensions: 50%, 64% (LTST), 78% (LGLT), 100%, 129% (STLT), 154% (STLG), 200% The zoom ratio cannot be changed using the keypad. Specifying a Custom Zoom Ratio 1 2 3 In the main screen (Copy mode), press the + or , key to select the current zoom ratio setting, and then press the Select key. Press the + or , key to select MANUAL, and then press the Select key. Use the keypad to type in the desired zoom ratio, or press the + or , key to specify the zoom ratio, and then press the Select key. The main screen (Copy mode) appears again. Each press of the + or , key changes the zoom ratio by 1%. A setting between 50% and 200% can be specified. 5-4 Making Basic Copies Making Advanced Copies This section contains descriptions on setting ID card copying, repeat copying and poster copying. Setting a Copy Function ID card copying, repeat copying and poster copying can be set.

If a copy function other than NORMAL COPY has been set, the zoom ratio is automatically set (and cannot be changed). With ID card copying, repeat copying or poster copying, position the document pages to be scanned so that they are aligned in the upper-left corner of the original glass. Since the image is printed 4 mm from the top and left side, adjust the position of the document as necessary. For details on positioning the document on the original glass, refer to "Placing a Document to be Copied" on page 3-19. ID Card Copying With ID card copying, the back and front of a document, such as a certificate, are copied at full size on a single sheet of paper. front side back side A B Making Advanced Copies 5-5 1 2 3 4 5 The paper sizes that are available for ID card copying are A4, Letter and Legal. Position the document on the original glass. For details on positioning the document on the original glass, refer to "Placing a Document to be Copied" on page 3-19. In the main screen (Copy mode), press the + or , key to select the current copy function setting, and then press the Select key. Press the + or , key to select ID CARD COPY, and then press the Select key.

To print color copies, press the Start-Color key. To print monochrome copies, press the Start-B&W key. Scanning of the document begins. When NEXT PAGE? appears, position the back side of the document at the same location as the front side, and then press the Select key. After the back side has been scanned, printing automatically begins.

To print only the front sides that were scanned first, press the Start-Color key or the Start-B&W key in step 5. Repeat Copying With repeat copying, small documents, such as memos, are tiled and printed on a single page. 1 2 Position the document on the original glass. For details on positioning the document on the original glass, refer to "Placing a Document to be Copied" on page 3-19. In the main screen (Copy mode), press the + or , key to select the current copy function setting, and then press the Select key.

5-6 Making Advanced Copies 3 4 5 6 7 Press the + or , key to select REPEAT COPY, and then press the Select key. When the How to Repeat Copy screen appears, check the settings, and then press the Select key. To print color copies, press the Start-Color key. To print monochrome copies, press the Start-B&W key. Use the keypad to type in the document length, and then press the Select key. To change the document size, press the Back key to delete the current size, and then use the keypad to specify the desired size. Use the keypad to type in the document width, and then press the Select key. After the document has been scanned, printing automatically begins. To change the document size, press the Back key to delete the current size, and then use the keypad to specify the desired size. Poster Copying With poster copying, the length and width of the scanned document are each enlarged 200%, and printed on four pages.

If the scanned image does not fit on the size of paper that is used, there may be margins on the sides of the image or the image may not fit in the paper. 1 2 Position the document on the original glass. For details on positioning the document on the original glass, refer to "Placing a Document to be Copied" on page 3-19. In the main screen (Copy mode), press the + or , key to select the current copy function setting, and then press the Select key. Making Advanced

Copies 5-7 3 4 Press the + or , key to select POSTER COPY, and then press the Select key. To print color copies, press the Start-Color key. To print monochrome copies, press the Start-B&W key. After the document has been scanned, printing automatically begins. 5-8 Making Advanced Copies 6 Using the Scanner Scanning From a Computer Application Documents can be scanned from a computer connected to this machine with a USB cable. Scanning settings can be specified and the scanning operation can be performed from TWAIN- or WIA-compatible applications.

From the scanner driver, a preview can be displayed and various adjustments, such as the size of the scan area, can be specified. For details on the installation of the scanner driver refer to the Installation Guide. Basic Scanning Operation 1 Position the document to be scanned. For details on positioning the document, refer to "Placing a Document to be Copied" on page 3-19. 2 3 4 5 Start the application to be used for scanning.

Start the scanner driver according to the application settings. Specify the necessary scanner driver settings. Click the Scan button in the scanner driver. 6-2 Scanning From a Computer Application Windows TWAIN Driver Settings Load Load a saved settings file (dat file) for scanning. Save Save the current settings as a settings file (dat file).

Default Return all settings to their defaults. Help icon Click to display the Help. About icon Click to display the software version information. Paper source This setting cannot be changed with this machine. Original Size Specify the original size. Scan Type Specify the scan type. Resolution Specify the resolution. Scale Specify the enlargement or reduction ratio for the selected area. If the resolution is set at 1200 × 1200dpi or higher, a setting larger than 100% cannot be specified. Scanning mode Select Auto or Manual.

When Manual is selected, a tab appears so that detailed settings can be specified, for example, for Brightness/Contrast and Filter. The parameters that can be set differ depending on the scanning mode that is selected.



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If Auto is selected as the scanning mode, scanning is performed after a prescan is performed so that a preview image can be checked. Scanning From a Computer Application 6-3 Image size Shows the data size of the scan image. Rotation Select the orientation of the image to be scanned. Close Click to close the TWAIN driver window. Prescan Click to begin scanning a preview image. Scan Click to begin scanning. AutoCrop icon Click to automatically detect the scanning position based on the preview image. Zoom icon Click to rescan the area selected in the preview window and enlarge it to fit the window.

Mirror icon Click to display a mirror image of the preview image. Tone Reversal icon Click to reverse the colors of the preview image. Clear icon Click to erase the preview image. Preview window Displays a preview image. Drag the rectangle over the image to select an area.

Before/After (RGB) Move the pointer in the preview window to display the color tones at the pointer's position before and after adjustments. Width/Height Displays the width and height for the selected area in the selected measurement units. 6-4 Scanning From a Computer Application Windows WIA Driver Settings Color picture Select this setting when scanning in color. Grayscale picture Select this setting when scanning in grayscale. Black and white picture or text Select this setting when scanning in black and white.

Custom Settings Select this setting when scanning with Adjust the quality of the scanned picture settings applied. If settings have been specified with Adjust the quality of the scanned picture, Custom Settings is automatically selected. Adjust the quality of the scanned picture Click this message to display the Advanced Properties dialog box. In the Advanced Properties dialog box, settings can be specified for Brightness, Contrast, Resolution, and Picture type (select from color, grayscale, or black and white). These settings are applied when Custom Settings is selected. Preview window Displays a preview image. Drag the rectangle over the image to select an area. Preview Click to begin scanning a preview image. Scan Click to begin scanning. Cancel Click to close the WIA driver window.

Scanning From a Computer Application 6-5 Macintosh TWAIN Driver Settings Load Load a saved settings file (dat file) for scanning. Save Save the current settings as a settings file (dat file). Default Return all settings to their defaults. Help icon Click to display the Help. About icon Click to display the software version information. Paper source This setting for this item cannot be changed with this machine. Original Size Specify the original size. Scan Type Specify the scan type. Resolution Specify the resolution. Scale Specify the enlargement or reduction ratio for the selected area.

If the resolution is set at 1200 × 1200dpi or higher, a setting larger than 100% cannot be specified. Scanning mode Select Auto or Manual. When Manual is selected, a tab appears so that detailed settings can be specified, for example, for Brightness/Contrast and Filter. The parameters that can be set differ depending on the scanning mode that is selected. If Auto is selected as the scanning mode, scanning is performed after a prescan is performed so that a preview image can be checked.

6-6 Scanning From a Computer Application Image size Shows the data size of the scan image. Rotation Select the orientation of the image to be scanned. Close Click to close the TWAIN driver window. Prescan Click to begin scanning a preview image. Scan Click to begin scanning.

AutoCrop icon Click to automatically detect the scanning position based on the preview image. Zoom icon Click to rescan the area selected in the preview window and enlarge it to fit the window. Mirror icon Click to display a mirror image of the preview image. Tone Reversal icon Click to reverse the colors of the preview image. Clear icon Click to erase the preview image. Preview window Displays a preview image. Drag the rectangle over the image to select an area. Before/After (RGB) Move the pointer in the preview window to display the color tones at the pointer's position before and after adjustments.

Width/Height Displays the width and height for the selected area in the selected measurement units. Scanning From a Computer Application 6-7 Scanning With the Machine The machine keys can be used to make scans.

Scanning is performed with the scan settings specified in LinkMagic. To change the scan settings, change the settings in LinkMagic. In order to perform this operation, the following requirements must be met. This machine is connected to a computer using a USB cable. The TWAIN scanner driver, the printer driver and LinkMagic (Windows only) are installed on the computer. Either LinkMagic is activated or the LinkMagic icon appears in the Windows notification area. The scan data is saved in the folder specified with LinkMagic. For details on LinkMagic, refer to the Reference Guide on the Documentation CD/DVD. Before scanning, check that the Scan key is lit up in green. If the key is not lit up in green, press the Scan key to enter Scan mode.

Basic Scanning Operation 1 Position the document to be scanned. For details on positioning the document, refer to "Placing a Document to be Copied" on page 3-19. 2 3 Press the Scan key to enter Scan mode. To scan color scans, press the Start-Color key. To scan monochrome scans, press the Start-B&W key. If the Stop/Reset key is pressed while scanning, JOB CANCEL appears. To continue scanning, select NO. To stop scanning, select YES. 6-8 Scanning With the Machine 7 Replacing Consumables Replacing Consumables Note Failure to follow instructions as outlined in this manual could result in voiding your warranty. Note If an error message (TONER OUT, I/C LIFE END, etc.

) appears, print out the configuration page, and then check the status of the other consumables. For details on the error messages, refer to "Error Messages" on page 9-27. For details on printing the configuration page, refer to "Printing a Configuration Page" on page 9-3. About Toner Cartridges Your machine uses four toner cartridges: black, yellow, magenta, and cyan. Handle the toner cartridges carefully to avoid spilling toner inside the machine or on yourself.

Install only new toner cartridges in your machine. If a used toner cartridge is installed, then toner remaining amount may not be accurate. The toner is nontoxic. If you get toner on your skin, wash it off with cool water and a mild soap. If you get toner on your clothes, lightly dust them off as best as you can.

If some toner remains on your clothes, use cool, not hot water, to rinse the toner off. CAUTION If you get toner in your eyes, wash it out immediately with cool water and consult a doctor. Refer to the following URL for recycling information. US: printer.konicaminolta.com/products/recycle/index.asp Europe: cleanplanet-printer.konicaminoltaeurope.com/cleanplanet/ choose.php Other regions: printer.



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