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You can read the recommendations in the user guide, the technical guide or the installation guide for KONICA MINOLTA MAGICOLOR 4650. You'll find the answers to all your questions on the KONICA MINOLTA MAGICOLOR 4650 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual KONICA MINOLTA MAGICOLOR 4650**  
**User guide KONICA MINOLTA MAGICOLOR 4650**  
**Operating instructions KONICA MINOLTA MAGICOLOR 4650**  
**Instructions for use KONICA MINOLTA MAGICOLOR 4650**  
**Instruction manual KONICA MINOLTA MAGICOLOR 4650**

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## **magicolor<sup>®</sup> 4650EN/4650DN**

### **User's Guide**

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**Manual abstract:**

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5 mm (4.4") 385 mm (15.2") Front View with Options 2 Getting Acquainted with Your Printer 962 mm (37.9") 326 mm (12.8") 536 mm (21.1") 100 mm (3.9") Side View with Options The option appears shaded in the above illustrations. Getting Acquainted with Your Printer 3 Printer Parts The following drawings illustrate the parts of your printer referred to throughout this guide, so please take some time to become familiar with them. Front View 1--Control panel 2--Output tray 3--Tray 1 (Manual feed tray) 4--Tray 2 5--Fuser unit 6--Right side cover 7--Transfer roller 8--Transfer belt unit 9--Imaging unit(s) 10--Laser lens cleaning tool 11--Front cover 12--Waste toner bottle 13--Toner cartridge(s) 14--Ozone filter 12 11 1 2 3 4 14 5 13 6 7 10 9 8 7 10 8 12 13 Y P U S H Y 9 4 Getting Acquainted with Your Printer Rear View 1--KONICA MINOLTA Digital Camera Direct Print Port 2--Power switch 3--Power connection 4--Parallel port 5--10Base-T/100Base-TX/ 1000Base-T Ethernet Interface port 6--USB port 7--Ventilation grilles 8--Paper stopper 7 8 1 6 5 4 3 2 Front View with Options 1--Lower feeder unit (Tray 3) 1 Getting Acquainted with Your Printer 5 6 Getting Acquainted with Your Printer About the Software Printer Driver CD-ROM PostScript Drivers Operating System Windows Vista/XP/Server 2003/ 2000 Windows Vista/XP/Server 2003 for 64bit Use/Benefit These drivers give you access to all of the printer features, including finishing and advanced layout.



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See also "Displaying Printer Driver Settings (for Windows)" on page 15.

A specific PPD file has been prepared for applications (such as PageMaker and Corel Draw) that require that a PPD file be specified when printing. When specifying a PPD file while printing on Windows Vista, XP, Server 2003 and 2000, use the specific PPD file provided on the Printer Driver CD-ROM. PCL Drivers Operating System Windows Vista/XP/Server 2003/2000 Windows Vista/XP/Server 2003 for 64bit Use/Benefit These drivers give you access to all of the printer features, including finishing and advanced layout. See also "Displaying Printer Driver Settings (for Windows)" on page 15. XPS Driver Operating

System Windows Vista Windows Vista for 64bit Use/Benefit These mini drivers for Windows Vista are based on the Windows core. For details on the installation method and functions, refer to the Reference Guide on the Utilities and Documentation CD-ROM. The XPS driver cannot be installed by using the auto-play installation feature of the Printer Driver CD-ROM. 8 Printer Driver CD-ROM PPD Files Operating System Macintosh OS X Linux Use/Benefit These files are required in order to use the printer driver for each operating system. For details of the Macintosh and Linux printer drivers, refer to the Reference Guide on the Utilities and Documentation CD-ROM. For details on the installation of the Windows printer drivers, refer to the Installation Guide on the Utilities and Documentation CD-ROM.

Utilities and Documentation CD-ROM Utilities Utility Download Manager (Windows Vista/XP/Server 2003/2000, Macintosh OS 10.2.x or later) Use/Benefit This utility, which can be used only if the optional hard disk kit is installed, enables fonts and overlay data to be downloaded to the hard disk. For details, refer to the Download Manager online help for all of the functions. The current status of the printer in addition to the status of consumables and error information can be viewed.

For details, refer to See "Using the Status Monitor (Windows Only)" on page 21. Printer management functions such as status monitoring and network settings can be accessed. For details, refer to the PageScope Net Care Quick Guide on the Utilities and Documentation CD-ROM. Status Monitor (Windows only) PageScope Net Care Utilities and Documentation CD-ROM 9 Utility PageScope Web Connection Use/Benefit With a Web browser, the status of printers can be checked, and the various settings can be changed. For details, refer to the Reference Guide on the Utilities and Documentation CD-ROM. Using the TCP/IP and IPX protocols, basic network printer settings can be specified. For details, refer to the PageScope Network Setup User Manual on the Utilities and Documentation CD-ROM. This utility automatically detects a new printer connected to the network and creates a print object on the Windows print server. For details, refer to the PageScope Plug and Print Quick Guide on the Utilities and Documentation CD-ROM. This network utility enables printers and KONICA MINOLTA multifunctional products to be used in an NDPS environment. For details, refer to the PageScope NDPS Gateway User Manual on the Utilities and Documentation CD-ROM. This application provides functions for sending PDF and TIFF files directly to a printer to be printed. For details, refer to the PageScope Direct Print User's Guide on the Utilities and Documentation CD-ROM. PageScope Network Setup PageScope Plug and Print PageScope NDPS Gateway PageScope Direct Print 10 Utilities and Documentation CD-ROM System Requirements Personal computer Pentium 2: 400 MHz (Pentium 3: 500 MHz or higher is recommended) Power Mac G3 or later (G4 or later is recommended) Macintosh equipped with an Intel processor Operating System 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 1 or later; Service Pack 2 or later is recommended), Windows XP Professional x64 Edition, Windows Server 2003, Windows Server 2003 x64 Edition, Windows 2000 (Service Pack 4 or later) Mac OS X (10.2 or later; We recommend installing the newest patch), Mac OS X Server (10.

2 or later) Red Hat Linux 9.0, SuSE Linux 8.2 Free hard disk space Approximately 20 MB of free hard disk space for printer driver and Status Monitor Approximately 128 MB of free hard disk space for image processing RAM 128 MB or more CD/DVD-ROM drive I/O interface 10Base-T/100Base-TX/1000Base-T Ethernet interface port USB Revision 2.0 compliant port Parallel (IEEE 1284) port For details of the Macintosh and Linux printer drivers, refer to the Reference Guide on the Utilities and Documentation CD-ROM. System Requirements 11 Selecting Driver Options/Defaults (for Windows) Before you start working with your printer, you are advised to verify/change the default driver settings. Also, in case you have options installed, you should "declare" the options in the driver. Windows Vista/XP/Server 2003/2000 (KONICA MINOLTA mc4650 PCL6, KONICA MINOLTA mc4650PS) 1 Choose the driver's properties as follows: (Windows Vista) From the Start menu, click Control Panel, then Hardware and Sound, and then click Printers to open the Printers directory. Right-click the KONICA MINOLTA mc4650 PCL6 or KONICA MINOLTA mc4650 PS printer icon, and then click Properties. (Windows XP/Server 2003) From the Start menu, choose Printers and Faxes to display the Printers and Faxes directory. Right-click the KONICA MINOLTA mc4650 PCL6 or KONICA MINOLTA mc4650 PS printer icon and choose Properties.

(Windows 2000) From the Start menu, choose Settings and then Printers to display the Printers directory. Right-click the KONICA MINOLTA mc4650 PCL6 or KONICA MINOLTA mc4650 PS printer icon and choose Properties. If you have installed options, proceed with the next step. Otherwise, skip to step 9. Select the Configure tab.

Check that the installed options are correctly listed. If not, proceed with the next step. Otherwise, continue with step 8. Click the Refresh to automatically configure installed options. The Refresh is available only if bi-directional communication is available with the printer; otherwise it is grayed out. From the Device Options list, select an option, one at a time, and then select Enable or Disable from the Settings menu. For models with an embedded duplex unit (magicolor 4650DN), select magicolor 4650DN for Printer Model in the Device Options list. 2 3 4 5 6 12 Selecting Driver Options/Defaults (for Windows) If Printer Memory is selected, select 256 MB, 512 MB or 768 MB according to the installed memory. The factory default setting is 256 MB. If Memory Card is selected, select Disable, Enable (1 GB Under), or Enable (1 GB Over), according to the installed CompactFlash card.



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Click Apply. Depending on the version of the operating system, Apply may not appear. If this is the case, continue with the next step. Select the General tab. Click Printing Preferences.

Printing Preference dialog box appears. Select the default settings for your printer, such as the default media format you use, in the appropriate tabs. Click Apply. Click OK to exit from the Print preference dialog box. Click OK to exit from the Properties dialog box. 7 8 9 10 11 12 13 Selecting Driver Options/Defaults (for Windows) 13 Uninstalling the Printer Driver (for Windows) This section describes how to uninstall the KONICA MINOLTA mc4650 printer driver if necessary. Windows Vista/XP/Server 2003/2000(KONICA MINOLTA mc4650 PCL6, KONICA MINOLTA mc4650PS) 1 2 Close all applications. Choose the Uninstall Program as follows: (Windows Vista/XP/Server 2003) From the Start menu, choose All programs, KONICA MINOLTA, magicolor 4650, and then Uninstall Printer Driver. (Windows 2000) 3 4 5 6 From the Start menu, choose Programs, KONICA MINOLTA, magicolor 4650, and then Uninstall Printer Driver. When the Uninstall dialog box appears, select the name of the driver to be deleted, and then click the Uninstall button. Click Uninstall. Click OK, and restart your computer. The KONICA MINOLTA mc4650 printer driver will be uninstalled from your computer. 14 Uninstalling the Printer Driver (for Windows) Displaying Printer Driver Settings (for Windows) Windows Vista 1 2 From the Start menu, click Control Panel, then Hardware and Sound, and then click Printers to open the Printers directory. Right-click the KONICA MINOLTA mc4650 PCL6, or KONICA MINOLTA mc4650 PS printer icon, and then click Printing Preferences.

Windows XP/Server 2003 1 2 From the Start menu, choose Printers and Faxes to display the Printers and Faxes directory. Right-click the KONICA MINOLTA mc4650 PCL6 or KONICA MINOLTA mc4650 PS printer icon and choose Printing Preferences. Windows 2000 1 2 From the Start menu, point to Settings, and then click Printers to display the Printers directory. Right-click the KONICA MINOLTA mc4650 PCL6 or KONICA MINOLTA mc4650 PS printer icon and choose Printer Properties. Displaying Printer Driver Settings (for Windows) 15 Using the Postscript and PCL Printer Driver 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. Favorite Setting This allows the current settings to be saved. To save the current settings, specify the desired settings, and then click Add. Specify the settings described below, and then click OK. Name: Type in the name of the settings to be saved. Comment: Add a simple comment to the settings to be saved. Icon: Select an icon from the icon list to easily identify the settings.

The selected icon appears in the drop-down list. Sharing: Specify whether or not the settings to be saved can be used by other users logged onto the computer. Afterward, the saved settings can be selected from the drop-down list. To change the registered setting, click Edit. Select Defaults from the drop-down list to reset the functions in all tabs to their default values. Paper View Click the button to display a sample of the page layout in the figure area. 16 Using the Postscript and PCL Printer Driver This button does not appear on the Quality tab. Printer View Click the button to display an image of the printer (with all installed options) in the figure area. Quality View Click this button to display a sample of the settings selected in the Quality tab. This button appears only when the Quality tab is selected.

Default Click this button to reset the settings to their defaults. Advanced Tab (PostScript Printer Driver Only) The Advanced Tab allows you to Select whether to enable or disable the settings for advanced printing functions (such as booklet printing) Specify the PostScript output method Specify whether or not the error messages of a print job are printed Print a mirror image Specify whether or not the application can directly output PostScript data Basic Tab The Basic Tab allows you to Specify the orientation of the media Specify the size of the original document Select the output media size Zoom (expand/reduce) documents Specify the paper source Specify the type of media Specify the number of copies Turn on/off job collation Save a print job on the printer and print it later (Job Retention) Using the Postscript and PCL Printer Driver 17 Save a confidential job on the printer and protect it with a password Print a single copy for proofing Specify user authentication and account track settings Print on the back side of paper that has already been printed on Use paper that has been printed on with this printer. In addition, the page printed with this setting is not guaranteed. Do not use the following types of paper. - Paper that has been printed on with an inkjet printer - Paper that has been printed on with a monochrome/color laser printer/copier - Paper that has been printed on with any other printer or fax machine Layout Tab The Layout Tab allows you to Print several pages of a document on the same page (N-up printing) Specify booklet printing (magicolor 4650DN only) Rotate the print image 180 degrees Specify duplex (double-sided) printing (magicolor 4650DN only) Specify whether or not blank pages are printed (PCL printer driver only) Adjust the binding margin Adjust the printing position (PCL printer driver only) Specify the position on the paper where the document is to be printed Cover Page Tab The Cover Page Tab allows you to Print front and back cover pages and separator pages Specify the tray that contains the paper for the front and back cover pages and separator pages Watermark/Overlay Tab Be sure to use overlays with print jobs with a paper size and orientation that matches the overlay form.

In addition, if settings have been specified for "N-up" or "Booklet" in the printer driver, the overlay form cannot be adjusted to match the specified settings. 18 Using the Postscript and PCL Printer Driver The settings in the "Overlay" function of the Watermark/Overlay tab allows you to Select the form to use Add or delete overlay files Launch Download Manager to download a form (PostScript printer driver only) Download Manager Application should be installed earlier. Create a form (PCL printer driver only) Specify that the document and form are printed overlapping (PCL printer driver only) Display the form information (PCL printer driver only) Print the form on All Pages, First Page, Even Pages and Odd Pages Place the form in back of the document or in front on the printed document (PCL printer driver only) The settings in the "Watermark" function of the Watermark/Overlay tab allows you to Select the watermark to be used Create, edit or delete watermarks Lighten the density of the watermark Print a frame around watermarks Print transparent (shaded) watermarks Print the watermark on only the first page Print the watermark repeatedly throughout the all pages Quality Tab The Quality Tab allows you to Switch between color and grayscale printing Control the darkness of an image (Brightness) Specify the printer color settings (Quick Color) Specify the resolution for the printout Perform color separation Select whether or not economy printing is used Set the edge strength to Low, Middle or High Specify the amount of details in graphic patterns (PCL printer driver only) Specify the format of fonts that are to be downloaded Using the Postscript and PCL Printer Driver 19 Print using the printer's fonts Control the tones of an image (Contrast) (PCL printer driver only) Specify the image compression method (PCL printer driver only) Other Tab The Other Tab allows you to Select that Microsoft Excel sheets are not to be divided when printing Select that the white background of Microsoft PowerPoint data does not hide overlay files (PCL printer driver only) Send a notification by e-mail when printing is finished Shows the version information for the printer driver Prevent loss when printing fine lines Limitations on printer driver functions installed with Point and Print If Point and Print is performed with the following server and client combinations, there are limitations on some printer driver functions.



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Server and client combinations Server: Windows Server 2003/XP/2000/Vista Client: Windows Server 2003/XP/2000/Vista Functions with limitations applied Booklet, Skip Blank Pages, Front Cover Page, Back Cover Page, Separator Page, Create Overlay, Print Overlay, Watermark \*JOBNAME, USERNAME, and HOSTNAME output of PJI 20 Using the Postscript and PCL Printer Driver Using the Status Monitor (Windows Only) Working with the Status Monitor Introduction The Status Monitor shows information about the current status of the printer. The Status Monitor can be installed from the Utilities and Documentation CD-ROM.

For details on the installation, refer to the Reference Guide on the Utilities and Documentation CD-ROM. Operating Environment The Status Monitor can be used on computers running Windows Vista/XP/ Server 2003/2000 connected to the printer using an Ethernet connection. Opening the Status Monitor Use one of the following steps to open the Status Monitor: Windows Vista/XP/Server 2003--From the Start menu, choose All Programs, KONICA MINOLTA, and then Status Monitor. Double-click the Status Monitor icon displayed in the taskbar. Windows 2000--From the Start menu, choose Programs, KONICA MINOLTA, and then Status Monitor. Double-click the Status Monitor icon displayed in the task bar. Using the Status Monitor Status Tab Select Printer--Selects the printer whose status is displayed. In addition, the messages that appear in the message window of the selected printer are displayed. Graphic--Shows a graphic representation of the printer and indicates where the problem is. When the background of the printer graphic is red or yellow, there is an error and the job has been interrupted.

Advanced Options--Click Advanced Options to display the Advanced Options dialog box. From the Advanced Options dialog box, select whether the Status Monitor automatically starts when the operating system is started and whether error notifications are sent by e-mail. Order Supplies--Click Order Supplies to automatically access the order page for supplies. The address of the page that is accessed can be specified from the Advanced Options dialog box. 22

Working with the Status Monitor Printer Alerts--Displays text messages that alert you of conditions such as low toner. Recovery Instructions--Provides you with explanations of what you need to do in order to correct problems and recover from error conditions. Consumables Tab Displays the usage status (approximate percentage remaining) of each consumables. Order Supplies--Click Order Supplies to automatically access the order page for supplies. The address of the page that is accessed can be specified from the Advanced Options dialog box. Refresh--Rechecks the supplies and displays their status.

Click Help to display windows containing explanations of the Status Monitor functions. Refer to this help for detailed information. Recognizing Status Monitor Alerts When the Status Monitor detects a printing problem, the icon on the Windows task bar changes from green (normal) to yellow (warning), magenta or red (error), depending on the severity of the printer problem. Recovering from a Status Monitor Alert When the Status Monitor notifies you of a printing problem, double-click its icon on the Windows task bar to open the Status Monitor. The Status Monitor identifies what type of error has occurred.

Closing the Status Monitor Click Close to close the Status Monitor window. To exit Status Monitor, right-click the Status Monitor icon in the taskbar, and then click Exit. Recognizing Status Monitor Alerts 23 24 Closing the Status Monitor Printer Control Panel and Configuration Menu About the Control Panel The control panel, located on the top of the printer, allows you to direct the printer's operation. In addition, it displays the current status of the printer, including any condition that needs your attention. 2 3 4 1 MESSAGE WINDOW 6 5 26 About the Control Panel Control Panel Indicators and Keys No.

1 Key Function Cancels the currently displayed menu or menu choice Allows you to cancel one or all print jobs that are currently being printed or processed:

1. Press the Cancel key. 2. Press the or keys to select either CUR- RENT JOB or ALL JOBS. 3. Press the Menu/Select key. The print job(s) is (are) cancelled.
- 2 Enters the menu system Moves down in the menu structure Applies the selected setting appears in the message window 3 Moves the cursor up Returns to the status screen from the help screen Within a menu choice that is changeable character by character, scrolls upward through the available characters , 4 appears in the message window Moves the cursor to the right Displays the next help screen appears in the message window 5 Moves the cursor down Displays the help screen when an error occurs Within a menu choice that is changeable character by character, scrolls downward through the available characters , appears in the message window About the Control Panel 27 No. 6 Key Function Moves the cursor to the left Displays the previous help screen appears in the message window Message Window The current status of the printer, the amount of toner remaining, and any error messages can be viewed from the message window. 1 2 3 4 No.

1 Details The printer status is indicated by the color of the indicator and lighting/flashing of the message window. READY: Indicator lit up in blue and window lit up PROCESSING or PRINTING: Indicator flashing and window lit up ENERGY SAVE: Indicator lit up in blue and window goes off ERROR: Indicator lit up in red and window lit up 5 28 About the Control Panel No. 2 Details The current status of the printer is displayed. If the operator or service representative must be called, the symbol and the error status are displayed. appears. If a warning occurs, the symbol When a digital camera is connected to the KONICA MINOLTA Digital Camera Direct Print Port with a USB cable, the symbol appears on the right side of the message window. When a USB memory device is plugged into the KONICA MINOLTA Digital Camera Direct Print Port, the symbol pears on the right side of the message window. ap- While a print job is being received, the symbol appears on the right side of the message window. While a camera direct or memory direct print job is being received, the symbol 3 Error messages are displayed. While a print job is being received, the user name and the print progress are displayed. While updating the firmware, the type of firmware being updated and the update progress are displayed. 4 5 Key information is displayed. The approximate amount of toner remaining is displayed. appears. Help Screens The help screens appear when the key is pressed after an error occurred, such as a media misfeed, so that the error can be corrected.

About the Control Panel 29 Configuration Menu Overview The configuration menu accessible from the control panel is structured as shown below.



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Main Menu READY PROOF/ PRINT MENU\* PRINT MENU PAPER MENU QUALITY MENU MEMORY DIRECT\*\* CAMERA DIRECT\*\*\* INTERFACE MENU SYS DEFAULT MENU MAINTENANCE MENU SERVICE MENU \* This menu item appears only if an optional hard disk kit is installed. \*\* This menu item appears when an optional hard disk kit or a CompactFlash card is installed, and INTERFACE MENU/MEMORY DIRECT is set to ENABLE. \*\*\* This menu item appears when INTERFACE MENU/CAMERA DIRECT is set to ENABLE. 30 Configuration Menu Overview MEMORY DIRECT and CAMERA DIRECT do not appear if public user access has not been permitted through authentication settings.

For details on the authentication settings, refer to the Reference Guide on the Utilities and Documentation CD-ROM. Configuration Menu Overview 31 PROOF/PRINT MENU This menu item appears only if an optional hard disk kit is installed. With this menu item, print jobs that were set to be saved on the hard disk by using Job Retention on the Basic tab of the printer driver can be printed or deleted. All factory default values are shown in bold. PROOF/ PRINT MENU "User name" "Job name" PRINT DELETE "Job name" COPIES 1 "Job name" YES NO Printing/Deleting a Stored Job 1 Follow the procedure described below to select a job. Until Display Reads Press Key PROOF/PRINT MENU "User name" If no print jobs have been stored on the hard disk, NO STORED JOB appears. 32 Configuration Menu Overview Press Key , Press until the desired user name appears. Until Display Reads Desired user name "Job name" , Press until the desired job name appears. Desired job name PRINT DELETE If the selected print job was set as a secured job from the printer driver, a screen for entering the password appears. For details on typing the password, refer to "Entering the Password" on page 34.

2 3 4 5 6 Select PRINT or DELETE, and then press the Menu/Select key. If PRINT was selected, continue with step 3. If DELETE was selected, continue with step 5. Press the and keys to specify the number of copies to be printed. (Settings: 1 to 999; Default: 1) Press the Menu/Select key. Printing begins. Select YES or NO. Press the Menu/Select key. If YES was selected, the print job is deleted. If NO was selected, the PRINT/DELETE selection screen appears again.

Configuration Menu Overview 33 Entering the Password If the print job selected in the PROOF/PRINT MENU is a secured job, a screen for entering the password appears. Follow the procedure described below to type in the four-digit password specified from the printer driver. 1 2 3 4 5 Press the word. Press the Pass key to increase or decrease the password. Press the Pass key to increase or decrease the first digit of the password. Press the Pass key to move the cursor to the next digit.

to increase or the to decrease the second digit of the password. Continue these steps until all four digits of the password are specified. Press the Menu/Select key. The PRINT/DELETE selection screen appears. If an incorrect password is entered, INVALID ENTRY appears and the screen for entering the password appears again. 34 Configuration Menu Overview PRINT MENU With this menu, printer information, such as the configuration page and the demo page, can be printed.

PRINT MENU CONFIGURATION PG DEMO PAGE STATISTICS PAGE FONT LIST POSTSCRIPT PCL MENU MAP DIRECTORY LIST\* \* This menu item appears only if an optional hard disk kit or a CompactFlash card is installed. All factory default values are shown in bold. CONFIGURATION PG DEMO PAGE STATISTICS PAGE Settings Settings Settings PRINT/CANCEL PRINT/CANCEL PRINT/CANCEL Prints the configuration page. Prints the demo page.

Prints the statistics page such as the number of pages printed. Configuration Menu Overview 35 FONT LIST POST SCRIPT PCL Settings Settings PRINT/CANCEL PRINT/CANCEL Prints the PostScript font list. Prints the PCL font list. MENU MAP DIRECTORY LIST Settings Settings PRINT/CANCEL PRINT/CANCEL Prints the menu map. Prints the directory list of the hard disk or a CompactFlash card . 36 Configuration Menu Overview PAPER MENU With this menu, the paper used for printing can be managed.

PAPER MENU PAPER SOURCE DEFAULT TRAY DUPLEX\*\*\*\* TRAY 1 PAPER SIZE COPIES CUSTOM SIZE\* COLLATE\*\*\*\*\* PAPER TYPE TRAY 2 PAPER SIZE CUSTOM SIZE\*\* PAPER TYPE TRAY 3\*\*\* PAPER SIZE PAPER TYPE TRAY CHAINING TRAY MAPPING TRAY MAPPING MODE LOGICAL TRAY 0 LOGICAL TRAY 9 Configuration Menu Overview 37 \* This menu item appears only when you select CUSTOM from the TRAY 1/PAPER SIZE menu. \*\*This menu item appears only when you select CUSTOM from the TRAY 2/PAPER SIZE menu. \*\*\* This menu item appear only if the optional lower feeder unit is installed. \*\*\*\* This menu item appears only magicolor 4650DN. \*\*\*\*\* This menu item appears only if an optional hard disk kit or a CompactFlash card of 1 GB or more is installed. All factory default values are shown in bold. PAPER DEFAULT Settings TRAY1/TRAY2/TRAY3 SOURCE TRAY Select the setting for the default tray. TRAY 3 appears only if the optional lower feeder unit is installed. TRAY 1 PAPER SIZE Settings ANY/LETTER/LEGAL/ EXECUTIVE/A4/A5/A6/ B5(JIS)/B6(JIS)/GOVT LETTER/STATEMENT/ FOLIO/SP FOLIO/UK QUARTO/FOOLSCAP/GOVT LEGAL/16K/PHOTO 4x6/ KAI 16/KAI 32/ENV C6/ ENV DL/ENV MONARCH/ ENV CHOU#3/ENV CHOU#4/B5(ISO)/ENV #10/JPOST/JPOST-D/ CUSTOM Select the setting for the size of paper loaded into Tray 1. The default setting for North America is LETTER.

The default setting for all other regions is A4. Depending on the setting selected for SYS DEFAULT MENU/ PAPER/UNIT OF MEASURE, PHOTO 4x6 may change to PHOTO 10x15. 38 Configuration Menu Overview CUSTOM Specify the paper size when custom-sized paper is loaded into Tray 1. SIZE The setting units can be switched between millimeters and inches with the SYS DEFAULT MENU/PAPER/UNIT OF MEASURE setting. Setting range for WIDTH For MILLIMETERS: 92 to 216 mm (default) North America: 216 mm All other regions: 210 mm For INCHES: 3.

63 to 8.50 inches (default) North America: 8.50 inches All other regions: 8.26 inches Setting range for LENGTH For MILLIMETERS: 148 to 356 mm (default) North America: 279 mm All other regions: 297 mm For INCHES: 5.83 to 14.

00 inches (default) North America: 11.00 inches All other regions: 11.69 inches This menu item appears only if PAPER SIZE is set to CUSTOM.

Configuration Menu Overview 39 PAPER TYPE Settings ANY/PLAIN PAPER/ RECYCLED/THICK 1/ THICK 2/LABEL/ TRANSPARENCY/ ENVELOPE/POSTCARD/ LETTERHEAD/GLOSSY 1/ GLOSSY 2 Select the setting for the type of paper loaded into Tray 1. TRAY 2 PAPER SIZE Settings ANY/LETTER/EXECUTIVE/ A4/A5/A6/ B5(JIS)/B6(JIS)/GOVT LETTER/STATEMENT/UK QUARTO/16K/PHOTO 4x6/ KAI 16/KAI 32/CUSTOM Select the setting for the size of paper loaded into Tray 2.



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The default setting for North America is LETTER. The default setting for all other regions is A4. Depending on the setting selected for SYS DEFAULT MENU/ PAPER/UNIT OF MEASURE, PHOTO 4×6 may change to PHOTO 10×15. 40 Configuration Menu Overview CUSTOM Specify the paper size when custom-sized paper is loaded into Tray 2. SIZE The setting units can be switched between millimeters and inches with the SYS DEFAULT MENU/PAPER/UNIT OF MEASURE setting.

Setting range for WIDTH For MILLIMETERS: 92 to 216 mm (default) North America: 216 mm All other regions: 210 mm For INCHES: 3.63 to 8.50 inches (default) North America: 8.50 inches All other regions: 8.26 inches Setting range for LENGTH For MILLIMETERS: 148 to 297 mm (default) North America: 279 mm All other regions: 297 mm For INCHES: 5.83 to 11.69 inches (default) North America: 11.00 inches All other regions: 11.69 inches This menu item appears only if PAPER SIZE is set to CUSTOM. PAPER TYPE Settings ANY/PLAIN PAPER/ RECYCLED Select the setting for the type of paper loaded into Tray 2.

Configuration Menu Overview 41 TRAY 3 PAPER SIZE The size of paper loaded in Tray 3 is indicated. This menu item only shows the current setting. This setting cannot be changed. PAPER TYPE Settings ANY/PLAIN PAPER/ RECYCLED Select the setting for the type of paper loaded into Tray 3. Settings ON/OFF TRAY CHAINING If ON is selected and the specified tray runs out of paper during printing, a tray loaded with paper of the same size is automatically selected so printing can continue.

If OFF is selected and the specified tray runs out of paper, printing stops. Settings ON/OFF TRAY TRAY MAPPING MAPPING Select whether or not the Tray Mapping MODE function is used. LOGICAL Settings TRAY 0-9 PHYSICAL TRAY1/ PHYSICAL TRAY2/ PHYSICAL TRAY3 Select the tray that is used for printing when a print job is received from another manufacturer's printer driver. The default setting for LOGICAL TRAY 1 is PHYSICAL TRAY1. The default setting for all other trays is PHYSICAL TRAY2.

PHYSICAL TRAY3 appears only if an optional lower feeder unit is installed. 42 Configuration Menu Overview DUPLEX Settings OFF/LONG EDGE/SHORT EDGE If LONG EDGE is selected, the pages will be printed on both sides of the paper for long-edge binding. If SHORT EDGE is selected, the pages will be printed on both sides of the paper for short-edge binding. The setting specified in the printer driver will override this menu setting. For magicolor 4650DN only COPIES Settings 1-9999 Specify the number of copies to be printed. The setting specified in the printer driver will override this menu setting. COLLATE Settings ON/OFF If ON is selected, all pages of the document are printed before the next copy is printed. If OFF is selected, all copies of the document are not printed separately. The setting specified in the printer driver will override this menu setting. This menu item appears only if an optional hard disk kit or a CompactFlash card of 1GB or more is installed.

Configuration Menu Overview 43 QUALITY MENU With this menu, settings for the print quality can be specified. QUALITY MENU COLOR MODE BRIGHTNESS HALFTONE IMAGE PRINTING TEXT PRINTING GRAPHICS PRINTING EDGE ENHANCEMENT IMAGE PRINTING TEXT PRINTING GRAPHICS PRINTING EDGE STRENGTH ECONOMY PRINT PCL SETTING CONTRAST IMAGE PRINTING RGB SOURCE RGB INTENT RGB GRAY 44 Configuration Menu Overview TEXT PRINTING RGB SOURCE RGB INTENT RGB GRAY GRAPHICS PRINTING RGB SOURCE RGB INTENT RGB GRAY PS SETTING IMAGE PRINTING RGB SOURCE RGB INTENT RGB GRAY DESTINATION PROF TEXT PRINTING RGB SOURCE RGB INTENT RGB GRAY DESTINATION PROF GRAPHICS PRINTING RGB SOURCE RGB INTENT RGB GRAY DESTINATION PROF Configuration Menu Overview 45 SIMULATION SIMULATION PROF CALIBRATION TONE CALIBRATION SIMULATION INTENT CMYK GRAY AIDC PROCESS CMYK DENSITY CYAN COLOR SEPARATION MAGENTA YELLOW BLACK All factory default values are shown in bold. COLOR MODE Settings COLOR/GRAYSCALE If COLOR is selected, the pages are printed in full color. If GRAYSCALE is selected, the pages are printed in black and white. BRIGHTNESS HALFTONE Settings -15%/-10%/-5%/0%/+5%/+10%/ +15% Settings The brightness of the printed image can be adjusted. IMAGE PRINTING LINE ART/DETAIL/ SMOOTH Select how halftones in images are reproduced. If LINE ART is selected, halftones are reproduced with high precision. If DETAIL is selected, halftones are reproduced with detail. If SMOOTH is selected, halftones are reproduced with smoothness. 46 Configuration Menu Overview TEXT PRINTING Settings LINE ART/DETAIL/ SMOOTH Select how halftones in text are reproduced.

If LINE ART is selected, halftones are reproduced with high precision. If DETAIL is selected, halftones are reproduced with detail. If SMOOTH is selected, halftones are reproduced with smoothness. GRAPHICS PRINTING Settings LINE ART/DETAIL/ SMOOTH Select how halftones in graphics are reproduced.

If LINE ART is selected, halftones are reproduced with high precision. If DETAIL is selected, halftones are reproduced with detail. If SMOOTH is selected, halftones are reproduced with smoothness. EDGE ENHANCEMENT IMAGE PRINTING Settings ON/OFF Select whether image edges are emphasized. If ON is selected, the edges are emphasized. If OFF is selected, the edges are not emphasized.

If ECONOMY PRINT is set to ON, the edges cannot be emphasized. Configuration Menu Overview 47 TEXT PRINTING Settings ON/OFF Select whether text edges are emphasized. If ON is selected, the edges are emphasized. If OFF is selected, the edges are not emphasized. GRAPHICS PRINTING Settings ON/OFF Select whether graphic edges are emphasized. If ON is selected, the edges are emphasized. If OFF is selected, the edges are not emphasized. If ECONOMY PRINT is set to ON, the edges cannot be emphasized. EDGE STRENGTH Settings OFF/LOW/MIDDLE/HIGH Select the desired amount that edges are emphasized. If OFF is selected, the edges are not emphasized.

If LOW is selected, the edges are slightly emphasized. If MIDDLE is selected, the edges are emphasized by an average amount. If HIGH is selected, the edges are highly emphasized. If OFF is selected, the edges are not emphasized, even if an EDGE ENHANCEMENT menu item is set to ON. 48 Configuration Menu Overview ECONOMY PRINT Settings ON/OFF Select whether to print graphics with a reduced density by reducing the amount of toner that is used. If ON is selected, the amount of toner used is reduced when printing. If OFF is selected, the amount of toner used is not reduced when printing. If ON is selected, the edges are not emphasized, even if IMAGE PRINTING and GRAPHICS PRINTING of the EDGE ENHANCEMENT menu item are set to ON.



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PCL SETTING CONTRAST Settings -15%/-10%/-5%/0%/ +5%/+10%/+15% The contrast of the image can be adjusted. IMAGE PRINTING Settings RGB SOURCE DEVICE COLOR/ sRGB Specify the color space for RGB image data.

If DEVICE COLOR is selected, no color space is specified. If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings. Settings RGB INTENT VIVID/ PHOTOGRAPHIC Specify the characteristic applied when converting RGB image data to CMYK data. If VIVID is selected, a vivid output is produced. If PHOTOGRAPHIC is selected, a brighter output is produced.

Configuration Menu Overview 49 RGB GRAY Settings COMPOSITE BLACK/BLACK AND GRAY/ BLACK ONLY Specify how black and grays are reproduced in RGB image data. If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors. If BLACK AND GRAY is selected, black and gray are reproduced using black only. If BLACK ONLY is selected, black is reproduced using only black. TEXT PRINTING Settings RGB SOURCE DEVICE COLOR/ sRGB Specify the color space for RGB text data.

If DEVICE COLOR is selected, no color space is specified. If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings. 50 Configuration Menu Overview Settings RGB INTENT VIVID/ PHOTOGRAPHIC Specify the characteristic applied when converting RGB text data to CMYK data. If VIVID is selected, a vivid output is produced. If PHOTOGRAPHIC is selected, a brighter output is produced. RGB GRAY Settings COMPOSITE BLACK/BLACK AND GRAY/ BLACK ONLY Specify how black and grays are reproduced in RGB text data. If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors. If BLACK AND GRAY is selected, black and gray are reproduced using black only. If BLACK ONLY is selected, black is reproduced using only black. GRAPHICS PRINTING Settings RGB SOURCE DEVICE COLOR/ sRGB Specify the color space for RGB GRAPHICS data.

If DEVICE COLOR is selected, no color space is specified. If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings. Configuration Menu Overview 51 Settings RGB INTENT VIVID/ PHOTOGRAPHIC Specify the characteristic applied when converting RGB GRAPHICS data to CMYK data. If VIVID is selected, a vivid output is produced. If PHOTOGRAPHIC is selected, a brighter output is produced. RGB GRAY Settings COMPOSITE BLACK/BLACK AND GRAY/ BLACK ONLY Specify how black and grays are reproduced in RGB GRAPHICS data. If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors. If BLACK AND GRAY is selected, black and gray are reproduced using black only. If BLACK ONLY is selected, black is reproduced using only black. 52 Configuration Menu Overview PS SETTINGS IMAGE PRINTING Settings RGB SOURCE DEVICE COLOR/ sRGB/ AppleRGB/ AdobeRGB1998/ ColorMatchRGB/ BlueAdjustRGB Specify the color space for RGB image data.

If DEVICE COLOR is selected, no color space is specified. If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings. Settings RGB INTENT VIVID/ PHOTOGRAPHIC/ RELATIVE COLOR/ ABSOLUTE COLOR Specify the characteristic applied when converting RGB image data to CMYK data. If VIVID is selected, a vivid output is produced. If PHOTOGRAPHIC is selected, a brighter output is produced. If RELATIVE COLOR is selected, relative color is applied to the RGB source profile. If ABSOLUTE COLOR is selected, absolute color is applied to the RGB source profile. Configuration Menu Overview 53 RGB GRAY Settings COMPOSITE BLACK/BLACK AND GRAY/ BLACK ONLY Specify how black and grays are reproduced in RGB image data. If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors. If BLACK AND GRAY is selected, black and gray are reproduced using black only.

If BLACK ONLY is selected, black is reproduced using only black. DESTI- Settings AUTO NATION Specify the destination profile. PROF If AUTO is selected, a destination profile that the printer automatically adapts is selected based on a combination of the specified color matching, halftones and other profiles. If destination profiles are downloaded with the Download Manager, they are available from the list of settings. 54 Configuration Menu Overview TEXT PRINTING Settings RGB SOURCE DEVICE COLOR/ sRGB/ AppleRGB/ AdobeRGB1998/ ColorMatchRGB/ BlueAdjustRGB Specify the color space for RGB text data. If DEVICE COLOR is selected, no color space is specified. If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings. Settings RGB INTENT VIVID/ PHOTOGRAPHIC/ RELATIVE COLOR/ ABSOLUTE COLOR Specify the characteristic applied when converting RGB text data to CMYK data. If VIVID is selected, a vivid output is produced. If PHOTOGRAPHIC is selected, a brighter output is produced.

If RELATIVE COLOR is selected, relative color is applied to the RGB source profile. If ABSOLUTE COLOR is selected, absolute color is applied to the RGB source profile. Configuration Menu Overview 55 RGB GRAY Settings COMPOSITE BLACK/BLACK AND GRAY/ BLACK ONLY Specify how black and grays are reproduced in RGB text data. If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors. If BLACK AND GRAY is selected, black and gray are reproduced using black only. If BLACK ONLY is selected, black is reproduced using only black. DESTI- Settings AUTO NATION Specify the destination profile. PROF If AUTO is selected, a destination profile that the printer automatically adapts is selected based on a combination of the specified color matching, halftones and other profiles. If destination profiles are downloaded with the Download Manager, they are available from the list of settings. 56 Configuration Menu Overview GRAPHICS PRINTING Settings RGB SOURCE DEVICE COLOR/ sRGB/ AppleRGB/ AdobeRGB1998/ ColorMatchRGB/ BlueAdjustRGB Specify the color space for RGB image data.

If DEVICE COLOR is selected, no color space is specified. If RGB source profiles are downloaded with the Download Manager, they are available from the list of settings. Settings RGB INTENT VIVID/ PHOTOGRAPHIC/ RELATIVE COLOR/ ABSOLUTE COLOR Specify the characteristic applied when converting RGB image data to CMYK data. If VIVID is selected, a vivid output is produced. If PHOTOGRAPHIC is selected, a brighter output is produced. If RELATIVE COLOR is selected, relative color is applied to the RGB source profile. If ABSOLUTE COLOR is selected, absolute color is applied to the RGB source profile. Configuration Menu Overview 57 RGB GRAY Settings COMPOSITE BLACK/BLACK AND GRAY/ BLACK ONLY Specify how black and grays are reproduced in RGB image data. If COMPOSITE BLACK is selected, black is reproduced using the CMYK colors. If BLACK AND GRAY is selected, black and gray are reproduced using black only.



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If **BLACK ONLY** is selected, black is reproduced using only black. **DESTI-** Settings **AUTO NATION** Specify the destination profile. **PROF** If **AUTO** is selected, a destination profile that the printer automatically adapts is selected based on a combination of the specified color matching, halftones and other profiles. If destination profiles are downloaded with the Download Manager, they are available from the list of settings. 58 Configuration Menu Overview **SIMULATION SIMU-** Settings **LATION PROF NONE/SWOP/ Euroscale/ CommercialPre ss/TOYO/DIC** Specify the simulation profile. If **NONE** is selected, no simulation profile is specified. If simulation profiles are downloaded with the Download Manager, they are available from the list of settings. **SIMU-** Settings **LATION INTENT RELATIVE COLOR/ ABSOLUTE COLOR** Specify the characteristic of the simulation profile. If **RELATIVE COLOR** is selected, relative color is applied to the simulation profile. If **ABSOLUTE COLOR** is selected, absolute color is applied to the simulation profile.

Configuration Menu Overview 59 **CMYK GRAY** Settings **COMPOSITE BLACK/BLACK AND GRAY/ BLACK ONLY** Specify how black and grays are reproduced using the four **CMYK** colors. If **COMPOSITE BLACK** is selected, black is reproduced using the **CMYK** colors. If **BLACK AND GRAY** is selected, black and gray are reproduced using black only. If **BLACK ONLY** is selected, black is reproduced using only black. **CALIBRATION** Settings **ON/OFF TONE EXECUTE/CANCEL** If **ON** is selected, image adjustments are applied. If **OFF** is selected, image adjustments are not applied. **AIDC PROCESS** Settings **EXECUTE/CANCEL** If **EXECUTE** is selected, image adjustments are performed immediately. If **CANCEL** is selected, image adjustments are not performed.

60 Configuration Menu Overview **CMYK DENSITY CYAN/ HIGHMAGENTA/ LIGHT YELLOW/ BLACK** Settings **-3/-2/ -1/0/ +1/+2/ +3** The density of the highlight color in images can be adjusted. **MIDDLE** Settings **-3/-2/ -1/0/ +1/+2/ +3** The density of the middle color in images can be adjusted.

**SHADOW** Settings **-3/-2/ -1/0/ +1/+2/ +3** The density of the shadow color in images can be adjusted. **COLOR SEPARATION** Settings **ON/OFF** If **ON** is selected, color separation are performed. The contents of a color page is separated into the color pages for yellow, magenta, cyan and black, and each is printed with black gradations as individual pages. The printing order is yellow, magenta, cyan, then black. If **OFF** is selected, color separation is not performed.

A normal color separation is performed. Configuration Menu Overview 61 **MEMORY DIRECT** This menu item appears when an optional hard disk kit or a CompactFlash card is installed, and **INTERFACE MENU/MEMORY DIRECT** is set to **ENABLE**. In addition, this menu item does not appear if public user access has not been permitted through authentication settings. For details on the authentication settings, refer to the Reference Guide on the Utilities and Documentation CD-ROM. With this menu, settings for "memory direct" function can be specified.

For details on memory direct, refer to "Memory Direct" on page 98. **MEMORY DIRECT LIST OF FILES\* TYPE OF FILES \*** This menu item appears when a USB memory device is plugged into the **KONICA MINOLTA** Digital Camera Direct Print Port. All factory default values are shown in bold. **LIST OF FILES** Select the file that you wish to output, and then press the Menu/ Select key. @ @Settings Settings **PRINT CANCEL** Select this setting to output a file. Select this setting to stop outputting and to return to the file list. 62 Configuration Menu Overview **Letter/ Settings A4 LETTER/LEGAL/EXECUTIVE/A4/ A5/A6/B5(JIS)/B6(JIS)/GOVT LETTER/STATEMENT/FOLIO/SP FOLIO/UK QUARTO/FOOLSCAP/ GOVT LEGAL/16K/PHOTO 4x6/ KAI 16/KAI 32/ENV C6/ENV DL/ENV MONARCH/ENV CHOU#3/ ENV CHOU#4/B5(ISO)/ENV #10/ JPOST/JPOST-D/CUSTOM** Change the size of the paper. The default setting for North America is **LETTER**. The default setting for all other regions is **A4**. Depending on the setting selected for **SYS DEFAULT MENU/PAPER/UNIT OF MEASURE**, **PHOTO 4x6** may change to **PHOTO 10x15**.

This menu item does not appear if the selected file is **PDF** and **XPS** file. **DUPLEX:** Settings **LONG EDGE/SHORT EDGE/OFF OFF** Select whether to perform duplex printing. If **LONG EDGE** is selected, the page will be printed on both sides of the paper for long edge binding. If **SHORT EDGE** is selected, the page will be printed on both sides of the paper for short edge binding. If **OFF** is selected, duplex printing is not performed. For magicolor 4650DN only. **COPIES:1** Settings **1-9999** Specify the number of copies to be printed (between 1 and 9999). Configuration Menu Overview 63 **COLLATE** Settings **ON/OFF** Select whether to collate the copies. If **ON** is selected, collated printing is performed. If **OFF** is selected, collated printing is not performed.

This menu item appears only if the optional hard disk kit or a CompactFlash card of 1GB or more is installed. **TYPE OF FILES** Settings **PDF,XPS,JPEG,TIFF/PDF,XPS** Select the type of files to be displayed. 64 Configuration Menu Overview **CAMERA DIRECT** This menu item appears when **INTERFACE MENU/CAMERA DIRECT** is set to **ENABLE**. In addition, this menu item does not appear if public user access has not been permitted through authentication settings. For details on the authentication settings, refer to the Reference Guide on the Utilities and Documentation CD-ROM.

With this menu, settings for "camera direct" function can be specified. These settings are overridden by any settings configured within the digital camera. For details on camera direct, refer to "Camera Direct" on page 96. **CAMERA DIRECT PAPER SOURCE LAYOUT PAPER MARGIN IMAGE QUALITY BRIGHTNESS CONTRAST ECONOMY PRINT RGB SOURCE RGB INTENT RGB GRAY HALFTONE** Configuration Menu Overview 65 All factory default values are shown in bold. **PAPER** Settings **TRAY1/TRAY2/TRAY3 SOURCE** Select the tray that is used for camera direct printing.

**TRAY3** appears only if the optional lower feeder unit is installed. **LAYOUT** Settings **1-UP/2-UP/3-UP/4-UP/6-UP/8-UP** Specify the number of images printed on a single sheet of media. When set to **1-UP**, only one image will be printed on a single sheet of media. **PAPER** Settings **STANDARD/MINIMUM MARGIN**

Select the size of the media margins (area that is not printed in). If **STANDARD** is selected, the standard media margin size is specified. If **MINIMUM** is selected, the media margins are reduced. **IMAGE QUALITY BRIGHT-** Settings **NESS -15%/-10%/-5%/0%/+5%/+10%/ +15%** The brightness of the printed image can be adjusted. **CONTRAST** Settings **-15%/-10%/-5%/0%/+5%/+10%/ +15%** The contrast of the image can be adjusted. **ECONOMY** Settings **ON/OFF PRINT** Select whether to print graphics with a reduced density by reducing the amount of toner that is used. If **ON** is selected, the amount of toner used is reduced when printing.



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