


Printing System (M)

INSTRUCTION HANDBOOK **<Set-up Edition>**

ALWAYS read this Instruction Handbook thoroughly before use. After reading, maintain it in good condition and keep it together with the Instruction Handbook for your copier.

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About this Instruction Handbook

This Instruction Handbook <Set-up Edition> is meant to be read when the Printer Board is installed in your copier and the copier is to be used mainly as a local printer. It contains explanations on set-up procedures for using the copier as a printer.

As the required set-up and configurations for the printer may differ depending upon the environment in use in the connected computer, please read those sections related to your specific computer environment and perform the appropriate set-up and configuration explained there.

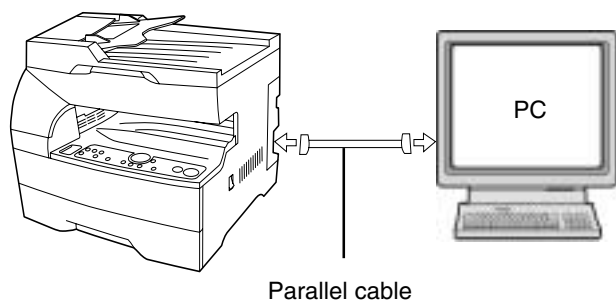
This handbook should also be read and used together with the On-Line Manual that is on the included CD-ROM. That On-Line Manual contains explanations on printing, performing certain settings and configurations, and the procedures required at your computer.

About the On-Line Manual

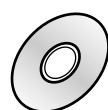
The On-Line Manual for this Instruction Handbook is a PDF (Portable Document Format) file and is located on the CD-ROM that is included with this product. The Adobe Acrobat Reader software is required in order to access the On-Line Manual. The installer for Adobe Acrobat Reader is also included on the CD-ROM so the software can be installed onto your hard disk from there.

Getting connected

When connecting the printer directly to your computer (with a parallel cable) ...



① Connecting the printer directly to your computer with a parallel cable **Page 3**



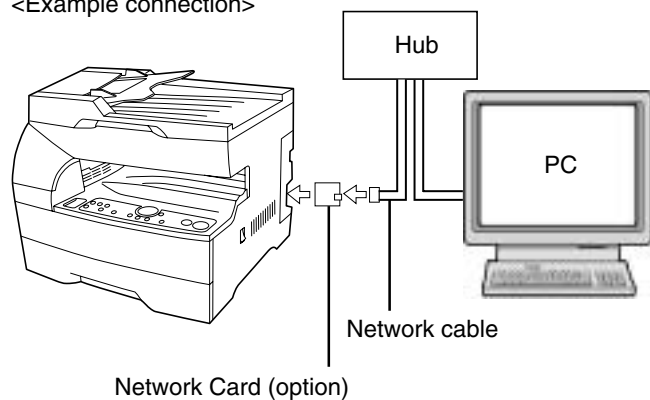
CD-ROM



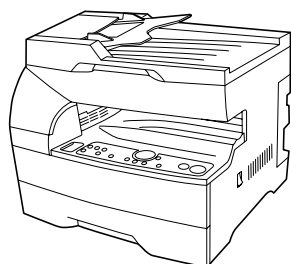
② Installing the printer driver into your computer... Refer to the On-Line Manual

When connecting the printer to a network (the optional Network Card must be installed)...

<Example connection>



① Connecting a network cable (100Base-TX, 10Base-T, etc.) to the printer **Page 3**



② Performing network (TCP/IP) settings at the printer **Page 4**



CD-ROM



③ Installing the printer driver into your computer... Refer to the On-Line Manual

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1. Preparations

1-1 Accessories

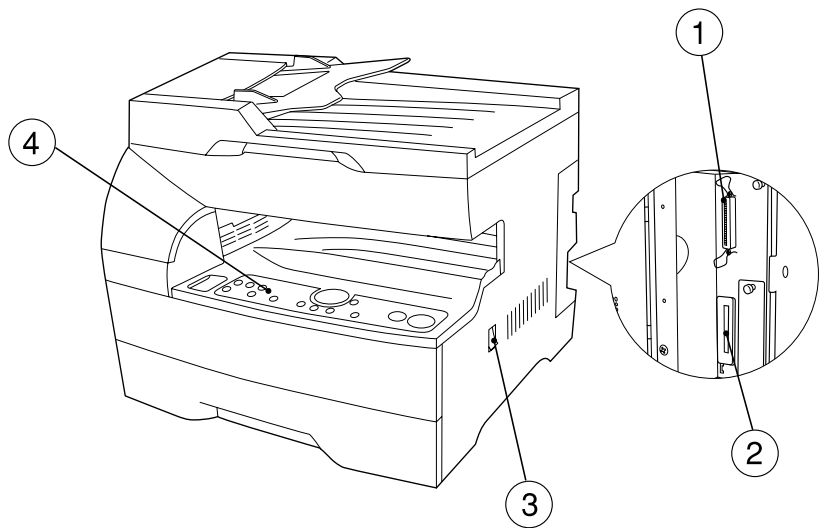
- 1 CD-ROM
- This Instruction Handbook

1-2 Required items

- Parallel cable

1-3 Name of parts (main body)

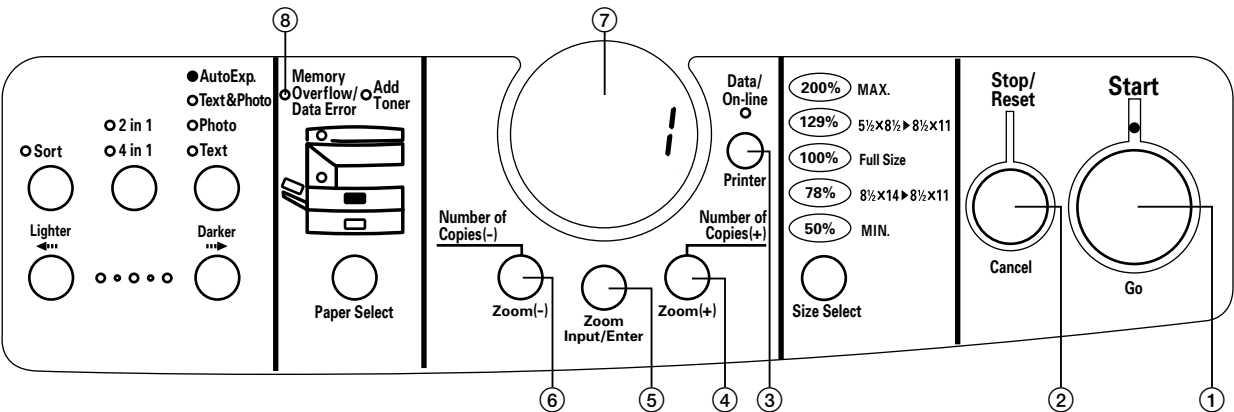
- ① Parallel interface connector
Connect a bi-directional parallel cable here.
- ② Memory Card slot
Insert the optional Memory Card here.
- ③ Main switch
Turn this switch ON (I) first, prior to using the printer.
Always turn this switch OFF (O) when connecting the
printer cable, etc.
- ④ Operation panel
Use when performing settings, etc., at the printer itself.



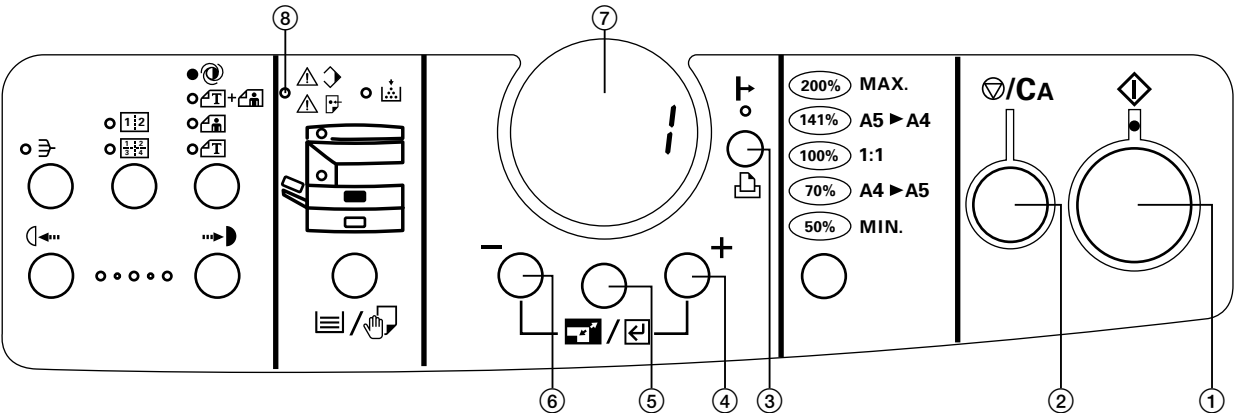
1. Preparations

1-4 Name of parts (operation panel)

Inch specifications



Metric specifications



- ① Start [GO] key
Press this key when you want to restart printing, as well as when you want to initiate the operation for form feed. This key is also used to switch the printer on- and off-line. When the printer is on-line, the Data On-line indicator will be lit.
- ② Stop/Reset [CANCEL] key
Press this key when you want to stop printing, when you want to cancel a setting midway through it, or when you want to clear an error message.
- ③ Printer key
Press this key when you want to switch to the printer mode.
- ④ Number of Copies/Zoom(+) key
Press this key when you want to scroll down among the various functions, settings, etc.
- ⑤ Zoom Input/Enter key
Press this key when you want to register a setting.
- ⑥ Number of Copies/Zoom(-) key
Press this key when you want to scroll up among the various functions, settings, etc.
- ⑦ Copy quality/magnification display
Indicates the status of the printer as well as other settings. "P00" will be displayed when the machine is in the printer mode.
- ⑧ Memory Overflow/Data Error indicator
Flashes when a printing error has occurred. In this case, "Prt" and "E##" will alternately flash as well in the copy quality/magnification display. Press the Printer key and check the cause of the error. For more detailed information, refer to "3-2 When an error code or error messages appears..." on page 6.

- The copy quality/magnification display in the printer mode
To enter the printer mode, press the Printer key. The indications that appear in the copy quality/magnification display when the machine is in the printer mode are explained in the table below.

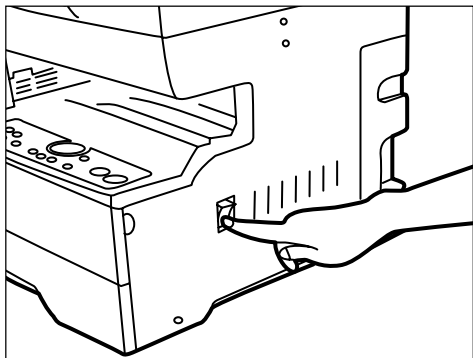
Indication	Meaning
P00	This is the initial display when the machine is in the printer mode.
P##	Indicates the menu number of printer-related settings. The actual menu number of the selected setting will be displayed in place of the ##. For more detailed information, refer to the On-Line Manual.
Prt ↕ E##	"Prt" and "E##" will alternately flash when a printer error occurs. (The corresponding error number will be displayed in place of the ##.) For more detailed information, refer to "3-2 When an error code or error messages appears..." on page 6.
Prt ↕ ##	"Prt" and a 2-digit number will alternately flash to indicate the current status of the printer. The meaning of the flashing numbers is as follows: 01: The printer is in the middle of a self test. This will appear when the main switch is turned ON (I) as well as when the printer is reset. 02: The printer is in the process of changing settings. Wait until it has completed the operation. 10: The printer is in the middle of processing data. 15: The printer is waiting for data. 20: A form feed time-out has occurred. 25: The printer is in the process of canceling data.

2. Set-up

2-1 Connecting the printer cable

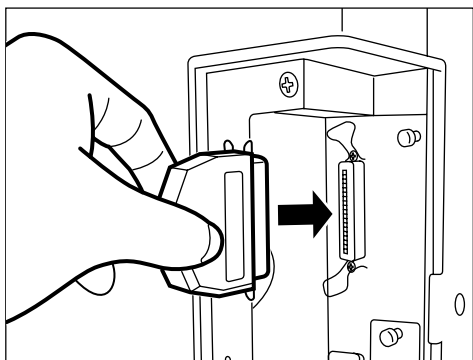
CAUTION: ALWAYS turn the main switch to the printer OFF (O) BEFORE connecting the printer cable.

- 1 Turn the main switch located on the right side of the printer OFF (O) and then turn the power off to your computer as well.



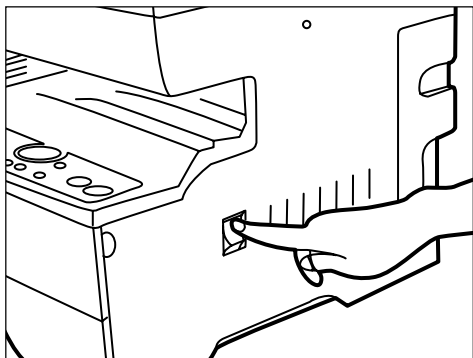
- 2 Remove the cover located at the back of the right side of the printer, and connect the printer cable to the parallel interface connector.

* If the optional Network Card is installed in the printer, connect the printer cable (100BASE-TX, etc.) and perform the appropriate network settings. Refer to "2-3 Network (TCP/IP) settings" on page 4.



- 3 Connect the other end of the printer cable to the parallel interface connector on your computer.

- 4 Turn the main switch to the printer back ON (I).



2-2 Installing the software

Perform the following procedure to install into your computer the printer driver and other software that is appropriate to the operating system in use in that computer. For information on installing the required software, refer to the On-Line Manual that is located on the CD-ROM that is included with this product.

2. Set-up

2-3 Network (TCP/IP) settings

When the optional Network Card is installed and this machine is to be used as a network printer, it is necessary to set the corresponding IP address for the printer.

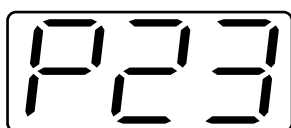
Notes

- The IP address that should be registered here will differ depending upon your network environment. Check with your network administrator BEFORE performing this setting.
- If you are using a DHCP server to automatically configure the IP address, this setting will not be necessary because DHCP server configuration is already enabled as the factory default setting.
- * To cancel the setting midway through it, press the Stop/Reset key.

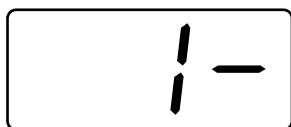
- 1** Press the Printer key. The machine will switch to the printer mode and "P00" will appear in the copy quality/magnification display.



- 2** Use the (+) and (-) keys to select "23" and then press the Enter key. The display will change to "P23" (the TCP/IP ON/OFF setting).



- 3** Use the (+) and (-) keys to select "1" (On) and then press the Enter key. The selected setting will flash twice and will then be registered.



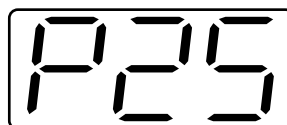
- 4** Use the (+) and (-) keys to select "24" and then press the Enter key. The display will change to "P24" (the DHCP ON/OFF setting).



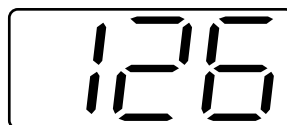
- 5** Use the (+) and (-) keys to select "2" (Off) and then press the Enter key. The selected setting will flash twice and will then be registered.



- 6** Use the (+) and (-) keys to select "25" and then press the Enter key. The display will change to "P25" (the IP address setting).



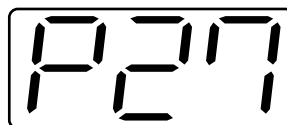
- 7** The (+) and (-) keys will be used to select the 12-digit IP address in blocks of 3 digits each:
First, enter the appropriate 3 digits for the first block and then press the Enter key. Repeat this same procedure for the 3 remaining blocks of the address (4 blocks in all). Once the Enter key is pressed for the final 3-digit block, the display will flash twice and the IP address will be registered.



- 8** Use the (+) and (-) keys to select "26" and then press the Enter key. The display will change to "P26" (the Subnet Mask setting). Enter the 12-digit Subnet Mask using the same procedure that you did for entering the IP address.



- 9** Use the (+) and (-) keys to select "27" and then press the Enter key. The display will change to "P27" (the Gateway address setting). Enter the 12-digit Gateway address using the same procedure that you did for entering the IP address.



- 10** Once you are finished making all of the network settings, press the Printer key. The machine will switch back to the copier mode.

3. Troubleshooting

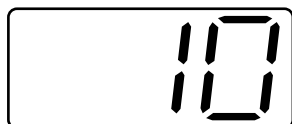
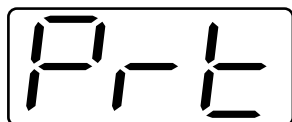
3-1 Canceling printing

Perform the following procedure when you want to stop printing or you want to clear data.

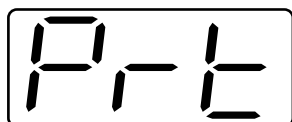
IMPORTANT!

- By performing this operation you will be canceling ALL print jobs that are currently waiting in the printer's memory to be printed.
- Always cancel the print job at your computer first. If the print job is not canceled in your computer, the data will be sent once again to the printer.

- 1** Press the Printer key. The machine will switch to the printer mode.



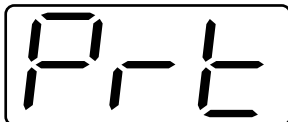
- 2** Press the Stop/Reset key. Printing will be canceled.



3. Troubleshooting

3-2 When an error code or error messages appears...

If an error code appear on the operation panel, first check the following tables for cause of the trouble and then perform the corresponding procedure. For more detailed information, refer to the Instruction Handbook for your copier as well as the Instruction Handbook for any optional equipment that is installed in your machine.



Error Indications in this printer

If "Prt" is displayed and the Memory Overflow/Data Error indicator flashes while the machine is in the copier mode, an error has occurred with the printer functions of this machine. Press the Printer key and check the cause of the error. Refer to the following tables for the corresponding error code and appropriate correction procedure.

Error code	Procedure
E01	A paper jam has occurred. Remove the jammed paper.
E02	The drawer has run out of paper or a paper jam has occurred. Add paper or remove the jammed paper, as appropriate.
E03	One or both drawers are not set properly in the printer. Insert both drawers securely.
E04	The size of paper selected for printing does not match the size of paper in the drawer. Replace the paper in the drawer with that of the correct size. * If you want to force-print onto the current size of paper, press the Start [GO] key. If you want to switch to and print from a different drawer, press the Paper Select key until the desired drawer is selected. If you want to cancel the printing operation completely, press the Stop/Reset key.
E05	The drawer has run out of paper. Add paper.
E06	One of the covers is open. Close the covers securely.
E07	Differ from actual size. Check drawer sizesetting.
E25	The amount of paper stacked in the Inner tray has exceeded the acceptable capacity. Remove all paper from the Inner tray and then press the Start [GO] key to continue printing. * If you want to cancel the printing operation completely, press the Stop/Reset key.
E30	Trouble has occurred within the printer. Contact your service representative or an authorized service center.

Error code	Procedure
E60	A read- or write-error has occurred on the RAM disk. Press the Start [GO] key to erase the error indication.
E70	A read- or write-error has occurred in the Memory Card. Press the Start [GO] key to erase the error indication.
E71	The Memory Card was removed during operation under the menu for printer-related settings. Reinsert the Memory Card. *BE SURE to turn the main switch OFF (O) BEFORE inserting the Memory Card.
E72	The Memory Card could not be detected during an operation in which the printer was reading data from that card. Reinsert the Memory Card. *BE SURE to turn the main switch OFF (O) BEFORE inserting the Memory Card.
E73	Initialization of the Memory Card currently inserted is necessary.
E80	A data overrun error has occurred due to insufficient memory. <ul style="list-style-type: none"> • If you want to force-continue the print job, press the Start [GO] key. If you want to cancel the printing operation completely, press the Stop/Reset key. • If "Auto Continue" (menu: P74) is turned "On" (setting: 1), the printing operation will be restarted automatically after the amount of time specified there. • Once this error message is displayed, "Page Protect" (menu: P42) will be turned "On" (setting: 1) automatically.
E82	The current print job could not be completed due to insufficient memory in the printer. <ul style="list-style-type: none"> • If you are using a RAM disk, reduce the size of the RAM disk. If this error occurs often, it is recommended that you install additional memory into the printer. For more detailed information on adding memory, contact your service representative or an authorized service center. • If you want to force-continue the print job, press the Start [GO] key. The data that has already been processed will be printed out and the remaining portion of the print job will be printed onto the following page. • If "Auto Continue" (menu: P74) is turned "On" (setting: 1), the printing operation will be restarted automatically after the amount of time specified there.
E83	The selected interface is currently in use. Wait for a while and then attempt the operation again.
EF1	An error has been detected during operation. Turn the main switch to the printer OFF (O) and then back ON (I) again. If the same error message remains, contact your service representative or an authorized service center.
EF2	An error has been detected during operation. Turn the main switch to the printer OFF (O) and then back ON (I) again. If the same error message remains, contact your service representative or an authorized service center.

3. Troubleshooting

3-3 Basic troubleshooting chart

If you experience trouble while you are using this machine as a printer, refer to the table below to perform minor adjustments. If trouble persists, contact your service representative or an authorized service center.

* For information in regard to general mechanical trouble with the machine, refer to the Instruction Handbook for your copier.

Problem	Check point	Procedure	Reference page
Nothing is printed out	Is the power cord loose?	Connect the power cord securely to a power source.	—
	Is the power ON (I) to the printer?	Turn the main switch to the printer ON (I).	3
	Is the printer cable appropriate and is it connected properly?	Be sure to use a compliant printer cable and make sure it is connected properly.	3
	Did you connect the printer cable AFTER you turned the power to the printer ON?	Connect the printer cable BEFORE you turn the power to the printer ON.	—
	Is the printer off-line? (Is the Data On-line indicator out?)	Perform the appropriate procedure to light the Data On-line indicator and put the printer on-line. ① Press the Printer key. The machine will switch to the printer mode. ② Press the Start [GO] key. ③ The Data On-line indicator will light.	2
Text is not printed correctly	Is the printer cable appropriate and is it connected properly?	Be sure to use a compliant printer cable and make sure it is connected properly.	3
Print out is not correct	Is the setting configuration in your computer correct?	Confirm the settings in the printer driver as well as in the software application in use.	—

4. Specifications

CPU	PowerPC 405 (200MHz)
Printing Speed	15, 18 ppm copier: 18 pages/min (A4 [8 1/2" x 11"])
Printing Resolution	With smoothing OFF: 600 dpi x 600 dpi With smoothing ON: interpolated 2400 dpi x 600 dpi
Maximum Printing Size	Legal (8 1/2" x 14"). Folio
RAM Memory Capacity	Installed: 8 MB Maximum: 136 MB (with an additional 128 MB of optional memory installed)
Interface	One parallel interface (IEEE 1284 compliant)
Installed Fonts	80


* Specifications are subject to change without notice.

Printing System (M)

MANUEL D'INSTRUCTIONS **<Édition Installation>**

TOUJOURS lire entièrement ce Manuel d'Instructions avant d'utiliser l'appareil. Après l'avoir lu, conservez ce manuel dans de bonnes conditions avec le Manuel d'Instructions de votre copieur.

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Au sujet de ce manuel d'instructions

Ce manuel d'instructions <Set-up Edition> doit être lu lorsque la plaquette d'imprimante est installée dans votre copieur et que celui-ci sera utilisé principalement comme imprimante locale. Il contient des explications concernant les procédures d'installation pour utiliser le copieur comme imprimante. Le réglage des paramètres et la configuration de l'imprimante étant différents selon la configuration matérielle utilisée par l'ordinateur connecté à l'appareil, veuillez lire les sections se rapportant spécifiquement à votre configuration matérielle et effectuer les réglages et la configuration décrits dans ces sections.

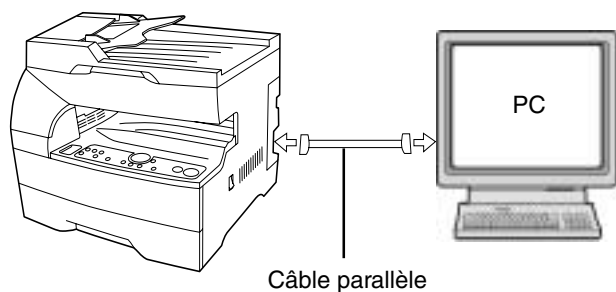
Ce manuel doit également être lu et utilisé conjointement avec le manuel d'assistance en ligne correspondant des CD-ROM fournis. Ce manuel d'assistance en ligne contient des explications concernant l'imprimante, certains réglages et configurations, ainsi que les procédures devant être effectuées sur votre ordinateur.

Au sujet du manuel d'assistance en ligne

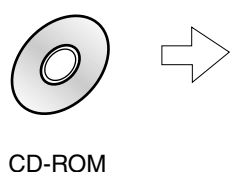
Le manuel d'assistance en ligne de ce manuel d'instructions est enregistré sous forme de fichier PDF (Portable Document Format) et se trouve dans le CD-ROM fourni avec ce produit. Le logiciel Adobe Acrobat Reader est nécessaire pour avoir accès au manuel d'assistance en ligne. L'installateur d'Adobe Acrobat Reader est également fourni dans le CD-ROM permettant ainsi d'installer le logiciel sur votre disque dur.

Les connexions

Pour raccorder directement l'imprimante à votre ordinateur (avec un câble parallèle)...



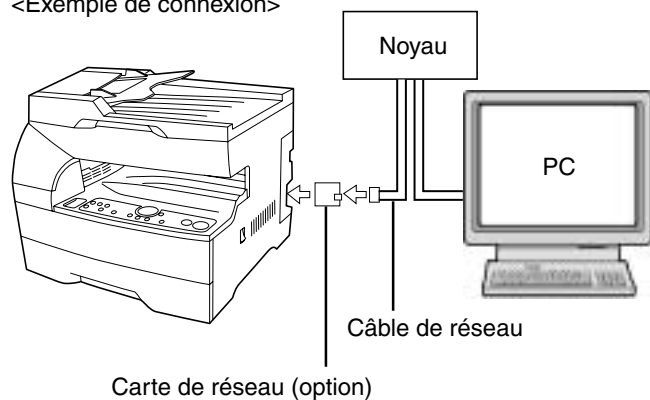
- ① Raccorder directement l'imprimante à votre ordinateur avec un câble parallèle Page 3



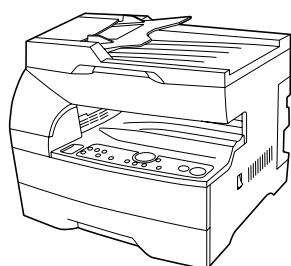
- ② Installation du pilote d'imprimante dans votre ordinateur Consultez le manuel d'assistance interactif

Pour raccorder l'imprimante à un réseau (la carte de réseau en option doit être installée)...

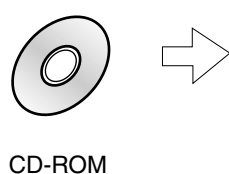
<Exemple de connexion>



- ① Raccorder un câble de réseau (100Base-TX, 10Base-T, etc.) à l'imprimante Page 3



- ② Réglages de réseau (protocole TCP/IP) fonctionnant dans l'imprimante Page 4



- ③ Installation du pilote d'imprimante dans votre ordinateur Consultez le manuel d'assistance interactif

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1. Préparatifs

1-1 Accessoires

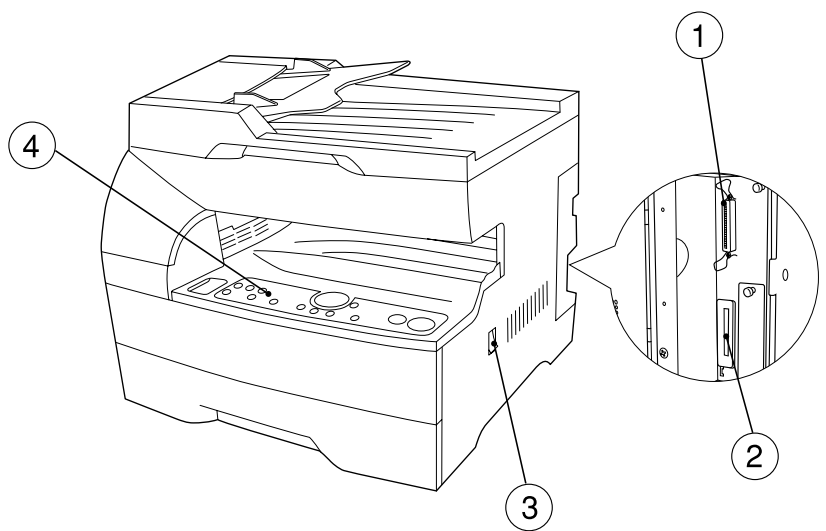
- 1 CD-ROM
- Ce manuel d'instructions

1-2 Pièces nécessaires

- Câble parallèle

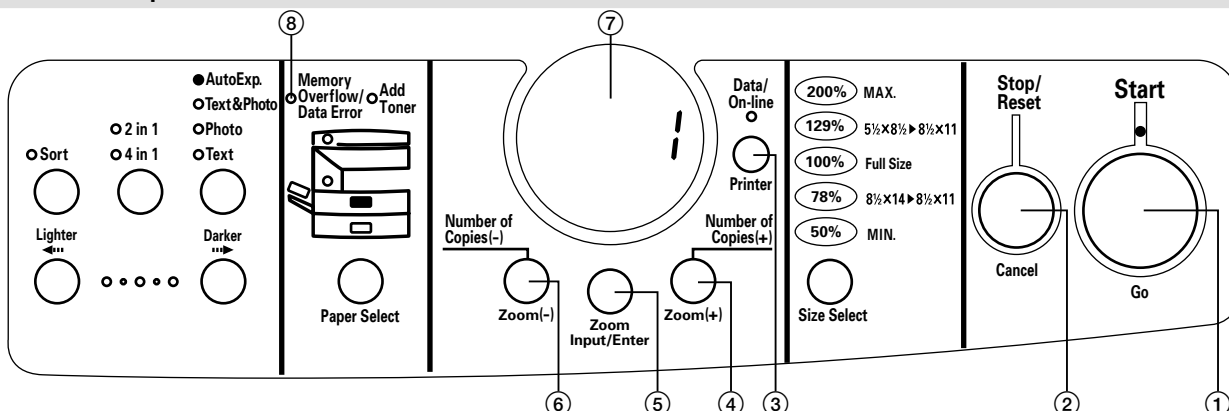
1-3 Nomenclature (corps principal)

- ① Connecteur d'interface parallèle
Raccorder ici un câble parallèle bidirectionnel.
- ② Compartiment pour carte de mémoire
Insérer ici la carte de mémoire en option.
- ③ Interrupteur principal
Mettre d'abord cet interrupteur sur marche (I), avant d'utiliser l'imprimante. Toujours mettre cet interrupteur sur arrêt (O) lors du raccordement du câble d'imprimante, etc.
- ④ Panneau de commande
Utiliser ce panneau pour effectuer les réglages, etc., sur l'imprimante même.

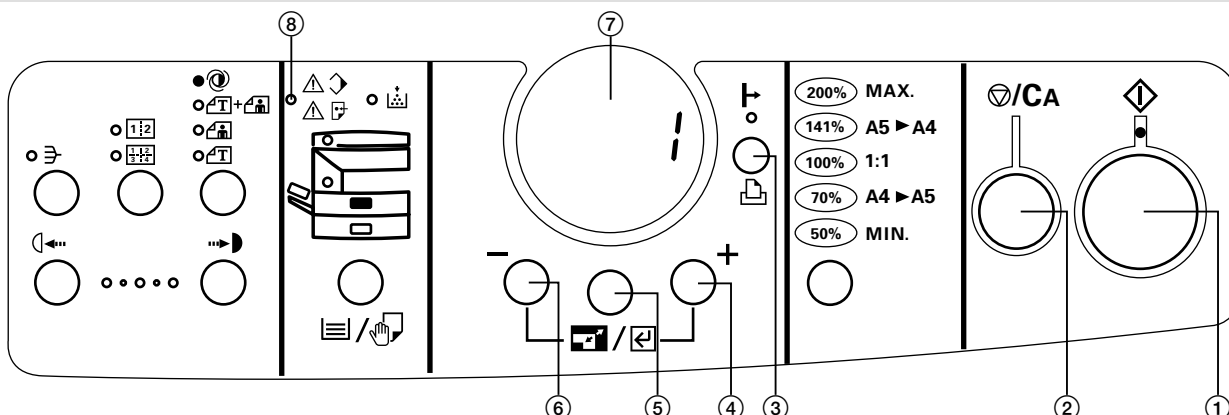


1-4 Nomenclature (panneau de commande)

Spécifications en pouces



Spécifications métriques



- ① Touche Start [GO] (démarrage [ACTION])
Appuyer sur cette touche pour redémarrer l'impression ainsi que pour engager l'opération d'alimentation de formulaire. Cette touche peut également être utilisée pour mettre l'imprimante en et hors ligne. L'indicateur de données en ligne sera allumé lorsque l'imprimante est en ligne.
- ② Touche Stop/Reset [CANCEL] (Arrêt/Réinitialisation [ANNULATION])
Appuyer sur cette touche pour arrêter l'impression, pour annuler un réglage en cours de procédure ou pour faire disparaître un message d'erreur.
- ③ Touche Printer (imprimante)
Appuyer sur cette touche pour commuter au mode d'imprimante.
- ④ Touche Number of Copies/Zoom(+) (Nombre de copies/Zoom(+))
Appuyer sur cette touche pour faire défiler vers le haut les diverses fonctions, réglages, etc.
- ⑤ Touche Zoom Input/Enter (Entrée de zoom/Validation)
Appuyer sur cette touche pour enregistrer un réglage.
- ⑥ Touche Number of Copies/Zoom(-) (Nombre de copies/Zoom(-))
Appuyer sur cette touche pour faire défiler vers le bas les diverses fonctions, réglages, etc.
- ⑦ Affichage de qualité de copie/taux de reproduction
Indique l'état de l'imprimante ainsi que d'autres réglages. "P00" sera affiché lorsque l'appareil est en mode d'imprimante.
- ⑧ Indicateur Memory Overflow/Data Error (saturation de mémoire / erreur de données)
Clignote lorsqu'une erreur survient pendant l'impression. Dans un tel cas, "Prt" et "E##" clignoteront également en alternance sur l'affichage de qualité de copie/taux de reproduction. Appuyer sur la touche Printer (imprimante) et vérifier quelle est la cause de l'erreur. Pour plus de détails, voir "3-2 Lorsqu'un code d'erreur ou un message d'erreur apparaît..." à la page 6.

● Affichage de qualité de copie/taux de reproduction en mode d'imprimante

Pour entrer en mode d'imprimante, appuyer sur la touche Printer (imprimante). Les indications apparaissant sur l'affichage de qualité de copie/taux de reproduction lorsque l'appareil est en mode d'imprimante sont décrites dans le tableau ci-dessous.

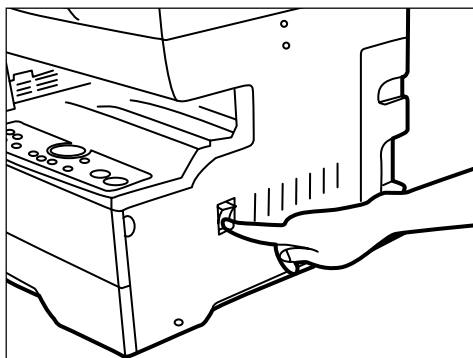
Indication	Signification
P00	Ceci est l'affichage initial lorsque l'appareil est en mode d'imprimante.
P##	Indique le numéro de menu des réglages se rapportant à l'imprimante. Le numéro de menu du réglage actuellement sélectionné sera affiché à la place des symboles ##. Pour plus de détails, consulter le manuel d'assistance interactif.
Prt ↕ E##	"Prt" et "E##" clignoteront en alternance lorsqu'une erreur survient pendant l'impression. (Le numéro d'erreur correspondant sera affiché à la place des symboles ##.) Pour plus de détails, voir "3-2 Lorsqu'un code d'erreur ou un message d'erreur apparaît..." à la page 6.
Prt ↕ ##	"Prt" et un numéro à 2 chiffres clignoteront en alternance pour indiquer l'état actuel de l'imprimante. La signification des chiffres clignotant est comme suit: 01: L'imprimante est entrain d'effectuer un auto-diagnostic. Ceci apparaîtra lorsque l'interrupteur principal est mis sur marche (I) ainsi que lorsque l'imprimante est remise à zéro. 02: L'imprimante est entrain de modifier les réglages. Attendre la fin de l'opération. 10: L'imprimante est entrain de traiter des données. 15: L'imprimante est en attente de données. 20: Un temps d'arrêt est survenu durant l'alimentation de formulaires. 25: L'imprimante est entrain d'annuler des données.

2. Installation

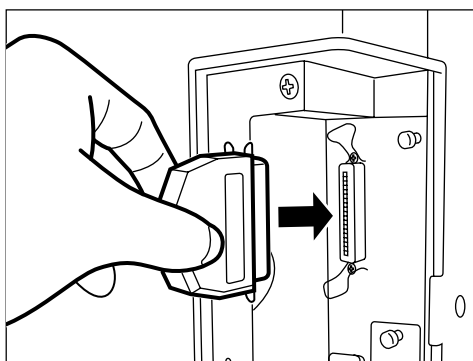
2-1 Raccordement du câble d'imprimante

ATTENTION: TOUJOURS mettre l'interrupteur principal de l'imprimante sur arrêt (O) AVANT de raccorder le câble d'imprimante.

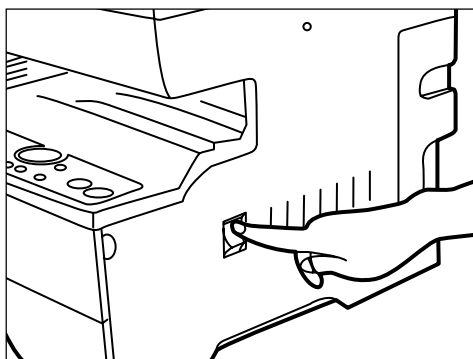
- 1 Mettez l'interrupteur principal situé sur le côté droit de l'imprimante sur arrêt (O) puis mettez également votre ordinateur hors tension.



- 2 Retirer le panneau situé à l'arrière du côté droit de l'imprimante et connecter le câble d'imprimante au connecteur d'interface parallèle.
* Si la carte de réseau en option est installée dans l'imprimante, connecter le câble d'imprimante (100BASE-TX, etc.) et effectuer les réglages de réseau adéquats. Voir "2-3 Réglages de réseau (protocole TCP/IP)" à la page 4.



- 3 Connecter l'autre extrémité du câble d'imprimante au connecteur d'interface parallèle de votre ordinateur.
- 4 Remettre l'interrupteur principal de l'imprimante sur marche (I).



2-2 Installation du logiciel

Effectuez la procédure suivante pour installer, sur votre ordinateur, le pilote d'imprimante et autres logiciels nécessaires pour le système d'exploitation utilisé par cet ordinateur. Pour plus de détails concernant l'installation des logiciels nécessaires, consulter le manuel d'assistance interactif se trouvant dans le CD-ROM fourni avec ce produit.

2-3 Réglages de réseau (protocole TCP/IP)

Lorsque la carte de réseau en option est installée et que cet appareil doit être utilisé comme imprimante de réseau, l'adresse de protocole IP correspondante doit être réglée pour l'imprimante.

Remarques

- L'adresse de protocole IP devant être enregistrée ici varie selon le contexte de réseau. Consultez votre administrateur de réseau AVANT d'effectuer ce réglage.
- Lorsqu'un serveur DHCP est utilisé et effectue automatiquement la configuration de l'adresse de protocole IP, ce réglage ne sera pas nécessaire car la configuration par serveur DHCP est déjà activée comme réglage par défaut en usine.
- * Pour annuler la procédure en cours, appuyer sur la touche Stop/Reset [CANCEL] (Arrêt/Réinitialisation [ANNULATION]).

- 1** Appuyer sur la touche Printer (imprimante). L'appareil commutera automatiquement au mode d'imprimante et "P00" apparaîtra automatiquement sur l'affichage de qualité de copie/taux de reproduction.

- 2** Sélectionner "23" en utilisant les touches (+) et (-), puis appuyer sur la touche Enter (validation). L'affichage indiquera alors "P23" (réglage de marche/arrêt du protocole TCP/IP).

- 3** Sélectionner "1" (Actif) en utilisant les touches (+) et (-), puis appuyer sur la touche Enter (validation). Le réglage sélectionné clignotera deux fois puis sera enregistré.

- 4** Sélectionner "24" en utilisant les touches (+) et (-), puis appuyer sur la touche Enter (validation). L'affichage indiquera alors "P24" (réglage de marche/arrêt de DHCP).

- 5** Sélectionner "2" (Inactif) en utilisant les touches (+) et (-), puis appuyer sur la touche Enter (validation). Le réglage sélectionné clignotera deux fois puis sera enregistré.

- 6** Sélectionner "25" en utilisant les touches (+) et (-), puis appuyer sur la touche Enter (validation). L'affichage indiquera alors "P25" (réglage de l'adresse de protocole IP).

- 7** Les touches (+) et (-) seront utilisées pour sélectionner l'adresse IP composée de 12 chiffres en blocs de 3 chiffres chacun :
Tout d'abord, entrer les 3 chiffres du premier groupe et appuyer sur la touche Enter (validation). Répéter cette procédure pour les 3 groupes restants de l'adresse (pour un total de 4 groupes). Une fois la touche Enter (validation) pressée pour le dernier groupe de 3 chiffres, l'affichage clignotera deux fois et l'adresse de protocole IP sera enregistrée.

- 8** Sélectionner "26" en utilisant les touches (+) et (-), puis appuyer sur la touche Enter (validation). L'affichage indiquera alors "P26" (réglage de masque de sous-réseau). Entrer les 12 chiffres du masque de sous-réseau en suivant la même procédure que pour l'adresse de protocole IP.

- 9** Sélectionner "27" en utilisant les touches (+) et (-), puis appuyer sur la touche Enter (validation). L'affichage indiquera alors "P27" (réglage de l'adresse de passerelle). Entrer les 12 chiffres de l'adresse de passerelle en suivant la même procédure que pour l'adresse de protocole IP.

- 10** Une fois tous les réglages de réseau terminés, appuyer sur la touche Printer (imprimante). L'appareil commutera de nouveau au mode de copieur.

3. Dépannage

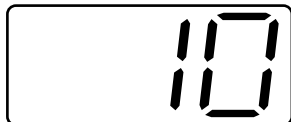
3-1 Annuler une impression

Effectuer la procédure suivante pour arrêter l'impression ou pour annuler des données.

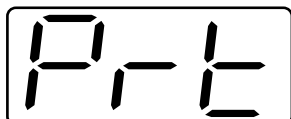
IMPORTANT!

- En effectuant cette procédure, vous effacerez TOUS les travaux d'impression étant actuellement en attente d'impression dans la mémoire de l'imprimante.
- Annulez toujours d'abord l'impression sur votre ordinateur. Si l'impression n'est pas annulée sur votre ordinateur, les données seront envoyées de nouveau dans l'imprimante.

- 1** Appuyer sur la touche Printer (imprimante). L'appareil commutera au mode d'imprimante.



- 2** Appuyer sur la touche Stop/Reset [CANCEL] (Arrêt/Réinitialisation [ANNULATION]). L'impression sera annulée.



3-2 Lorsqu'un code d'erreur ou un message d'erreur apparaît...

Lorsqu'un code ou un message d'erreur apparaît sur le panneau de commande, consultez tout d'abord les tableaux ci-dessous afin de déterminer la cause du problème. Pour plus de détails, consultez le manuel d'instructions de votre copieur ainsi que les manuels d'instructions des accessoires en option étant fixés sur votre appareil.



Indications d'erreur dans cette imprimante

Si "PrE" est affiché et que l'indicateur Memory Overflow/Data Error (saturation de mémoire/erreur de données) clignote lorsque l'appareil est en mode de copieur, cela signifie qu'une erreur est survenue dans les fonctions d'imprimante de l'appareil. Appuyer sur la touche Printer (imprimante) et déterminer la cause de l'erreur. Reportez-vous aux tableaux ci-dessous pour le code d'erreur correspondant et effectuez la procédure de correction adéquate.

Code d'erreur	Procédure
E01	Il y a un bourrage de papier. Retirer le papier coincé.
E02	Le papier du tiroir est épuisé ou un bourrage de papier est survenu. Ajouter du papier ou retirer le papier coincé, selon le besoin.
E03	Un des tiroirs ou les deux tiroirs ne sont pas mis en place correctement. Insérer les deux tiroirs correctement.
E04	Le format du papier sélectionné pour l'impression ne correspond pas au format du papier mis en place dans le tiroir. Remplacer le papier du tiroir par du papier du format correct. * Pour imposer l'impression sur le format de papier actuel, appuyer sur la touche Start [GO] (démarrage [ACTION]). Pour sélectionner un autre tiroir et effectuer l'impression depuis ce tiroir, appuyer sur la touche de sélection de papier jusqu'à ce que le tiroir désiré soit sélectionné. Pour annuler toute l'opération d'impression, appuyer sur la touche Stop/Reset [CANCEL] (Arrêt/Réinitialisation [ANNULATION]).
E05	Le papier du tiroir est épuisé. Ajouter du papier.
E06	L'un des panneaux est ouvert. Refermer correctement les panneaux.
E07	Diffère de la taille réelle. Vérifiez le réglage de la taille du tiroir.
E25	La quantité de papier mis en place dans le plateau interne dépasse la contenance autorisée. Retirer tout le papier du plateau interne et puis appuyer sur la touche Start [GO] (démarrage [ACTION]) pour continuer l'impression. * Pour annuler toute l'opération d'impression, appuyer sur la touche Stop/Reset [CANCEL] (Arrêt/Réinitialisation [ANNULATION]).
E30	Un problème est survenu à l'intérieur de l'imprimante. Adressez-vous à votre centre de service ou un centre de service agréé.

Code d'erreur	Procédure
E60	Une erreur de lecture ou écriture est survenue dans le disque RAM. Appuyer sur la touche Start [GO] (démarrage [ACTION]) pour faire disparaître l'indication d'erreur.
E70	Une erreur de lecture ou écriture est survenue dans la carte de mémoire. Appuyer sur la touche Start [GO] (démarrage [ACTION]) pour faire disparaître l'indication d'erreur.
E71	La carte de mémoire a été retirée lors d'une opération dans le menu des réglages se rapportant à l'imprimante. Réinsérer la carte de mémoire. * TOUJOURS mettre l'interrupteur principal sur arrêt (O) AVANT d'insérer la carte de mémoire.
E72	La carte de mémoire n'a pas pu être détectée lors d'une opération pendant laquelle l'imprimante devait lire des données de cette carte. Réinsérer la carte de mémoire. * TOUJOURS mettre l'interrupteur principal sur arrêt (O) AVANT d'insérer la carte de mémoire.
E73	L'initialisation de la carte de mémoire actuellement insérée doit être effectuée.
E80	Une erreur de dépassement de données est survenue car la mémoire ne suffit pas. • Pour imposer l'impression, appuyer sur la touche Start [GO] (démarrage [ACTION]). Pour annuler toute l'opération d'impression, appuyer sur la touche Stop/Reset [CANCEL] (Arrêt/Réinitialisation [ANNULATION]). • Si la "Continuation automatique" (menu: P74) est réglée sur "Actif" (réglage: 1), l'opération d'impression sera automatiquement redémarrée après le laps de temps spécifié pour ce réglage. • Lorsque ce message d'erreur apparaît, la "Protection de page" (menu: P42) sera automatiquement mise sur "Actif" (réglage: 1).
E82	Le travail d'impression en cours n'a pas pu être terminé car la mémoire de l'imprimante n'est pas suffisante. • Si vous utilisez un disque RAM, diminuez le volume du disque RAM. Si cette erreur survient souvent, nous vous conseillons d'installer plus de mémoire dans l'imprimante. Pour plus de détails concernant l'ajout de mémoire, adressez-vous à votre centre de service ou un centre de service agréé. • Pour imposer l'impression, appuyer sur la touche Start [GO] (démarrage [ACTION]). Les données ayant déjà été traitées seront imprimées et le reste du travail d'impression sera imprimé sur la page suivante. • Si la "Continuation automatique" (menu: P74) est réglée sur "Actif" (réglage: 1), l'opération d'impression sera automatiquement redémarrée après le laps de temps spécifié pour ce réglage.
E83	L'interface sélectionnée est actuellement occupée. Attendre un moment puis tenter de nouveau l'opération.
EF1	Une erreur a été détectée pendant l'opération. Mettre l'interrupteur principal de l'imprimante sur arrêt (O) puis de nouveau sur marche (I). Si le message d'erreur ne disparaît pas, adressez-vous à votre centre de service ou un centre de service agréé.
EF2	Une erreur a été détectée pendant l'opération. Mettre l'interrupteur principal de l'imprimante sur arrêt (O) puis de nouveau sur marche (I). Si le message d'erreur ne disparaît pas, adressez-vous à votre centre de service ou un centre de service agréé.

3. Dépannage

3-3 Tableau de dépannage de base

En cas de problème survenant lors de l'utilisation de cet appareil comme imprimante, consultez le tableau ci-dessous pour effectuer des réglages mineurs. Si le problème ne disparaît pas, adressez-vous à votre centre de service ou un centre de service agréé.

* Pour plus de détails concernant les problèmes mécaniques d'ordre général pouvant survenir dans votre appareil, consultez le manuel d'instructions de votre copieur.

Problème	Point à vérifier	Procédure	Page de référence
Rien n'est imprimé	Le cordon d'alimentation est-il lâche?	Branchez correctement le cordon d'alimentation sur une prise de secteur.	—
	L'imprimante est-elle sous tension (I)?	Mettez l'interrupteur principal de l'imprimante sur marche (I).	3
	Le câble d'imprimante est-il un câble adéquat et est-il raccordé correctement?	Utilisez toujours un câble d'imprimante adéquat et veillez à le raccorder correctement.	3
	Avez-vous connecté le câble d'imprimante APRÈS avoir mis l'imprimante sous tension?	Connectez le câble d'imprimante AVANT de mettre l'imprimante sous tension.	—
	L'imprimante est-elle hors ligne? (L'indicateur de données en ligne est-il éteint?)	Effectuer la procédure nécessaire pour que l'indicateur en ligne s'allume et connecter l'imprimante. ① Appuyer sur la touche Printer (imprimante). L'appareil commutera au mode d'imprimante. ② Appuyer sur la touche Start [GO] (démarrage [ACTION]). ③ L'indicateur de données en ligne s'allumera.	2
Le texte n'est pas imprimé correctement	Le câble d'imprimante est-il un câble adéquat et est-il raccordé correctement?	Utilisez toujours un câble d'imprimante adéquat et veillez à le raccorder correctement.	3
L'impression n'est pas correcte	La configuration des paramètres de votre ordinateur est-elle correcte?	Vérifier les paramètres du pilote d'imprimante et du logiciel utilisé. Raccorder le câble d'imprimante correctement.	—

4. Spécifications

Processeur central	PowerPC 405 (200 MHz)
Vitesse d'impression	Copieur 15, 18 ppm: 18 pages/min (A4 [8 1/2" x 11"])
Résolution d'impression	Lorsque le lissage est désactivé: 600 ppp x 600 ppp Lorsque le lissage est activé: 2400 ppp x 600 ppp avec interpolation
Format d'impression maximal	Legal (8 1/2" x 14"). Folio
Capacité de mémoire RAM	Installée: 8 Mo Maximale: 136 Mo (avec 128 Mo supplémentaires de mémoire en option installés)
Interface	Une interface parallèle (de standard IEEE 1284)
Polices installées	80

* Les spécifications peuvent faire l'objet de modifications sans préavis.


Printing System (M)

MANUAL DE INSTRUCCIONES

<Edición para instalación>

Lea COMPLETAMENTE este manual de instrucciones antes de utilizar este aparato. Una vez leído, mantenga en buen estado y guárdelo junto con el manual de instrucciones de su copiadora.

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- Esta impresora utiliza PeerlessPrintXL, un sistema compatible con PCL desarrollado por Peerless Group, para emular el Lenguaje de Control (PCL6) de la impresora HP LaserJet. PeerlessPrintXL es una marca comercial de Peerless Group (Redondo Beach, CA 90278, U.S.A.).
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Acerca del manual de instrucciones

Este manual de instrucciones <Edición de instalación> debe leerse cuando se instale la tarjeta de impresora en su copiadora y se utilice la copiadora fundamentalmente como impresora local. El manual incluye descripciones sobre los procedimientos de instalación para el uso de la copiadora como impresora. Ya que los ajustes y configuraciones de la impresora pueden variar dependiendo del sistema y programas utilizados en su ordenador conectado, lea las secciones correspondientes a su ordenador específico y realice los ajustes y configuraciones descritos en ellas.

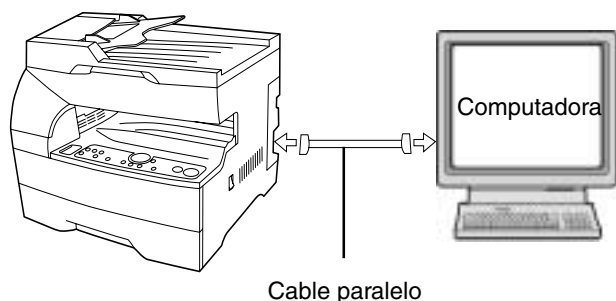
Este manual también debe leerse y utilizarse junto con el manual en línea que está en el CD-ROM incluido. Este manual en línea describe la impresión, realización de determinados ajustes y configuraciones y los procedimientos necesarios en su ordenador.

Acerca del manual en línea

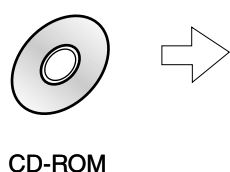
El manual en línea para este manual de instrucciones es un archivo PDF (Portable Document Format o formato de documentos portátil) y está ubicado en el CD-ROM incluido con este producto. Es necesario disponer del programa Adobe Acrobat Reader para tener acceso al manual en línea. El instalador para el Adobe Acrobat Reader también está incluido en el CD-ROM y éste permite instalar el programa en su disco duro.

Conexión

Cuando conecte la impresora directamente a su computadora (con un cable paralelo)...



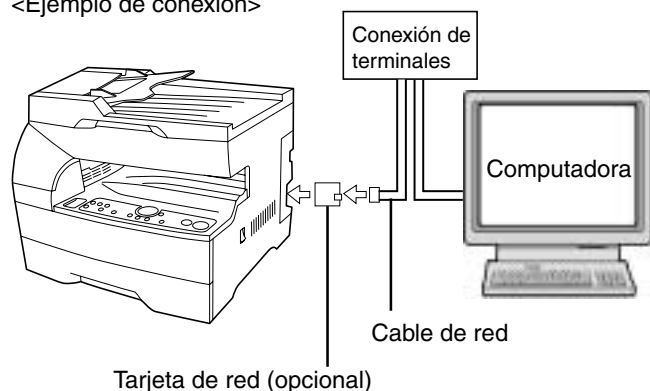
- ① Conexión de la impresora directamente a su computadora con el cable paralelo **Página 3**



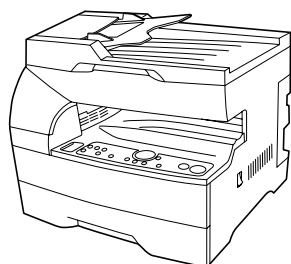
- ② Instalación del controlador de impresora en su computadora
..... Consulte el manual en línea

Cuando conecte la impresora a una red (deberá instalarse la tarjeta de red opcional)...

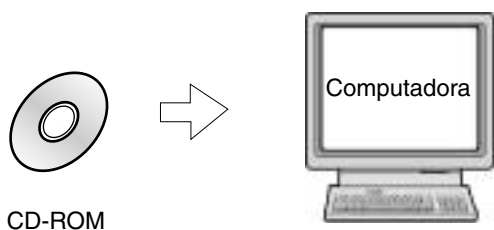
<Ejemplo de conexión>



- ① Conexión de un cable de red (100Base-TX, 10Base-T, etc.) a la impresora **Página 3**



- ② Realización de los ajustes de red (TCP/IP) en la impresora ... **Página 4**



- ③ Instalación del controlador de impresora en su computadora
..... Consulte el manual en línea

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 - 1-2 Items requeridos 1
 - 1-3 Nombres de las piezas (cuerpo principal) 1
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 - 2-2 Instalación de los programas 3
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1. Preparación

1-1 Accesorios

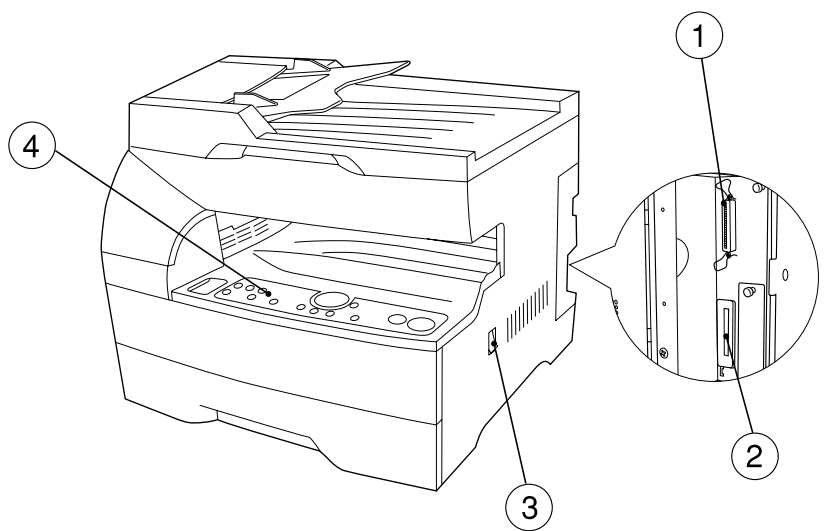
- 1 CD-ROM
- Este manual de instrucciones

1-2 Items requeridos

- Cable paralelo

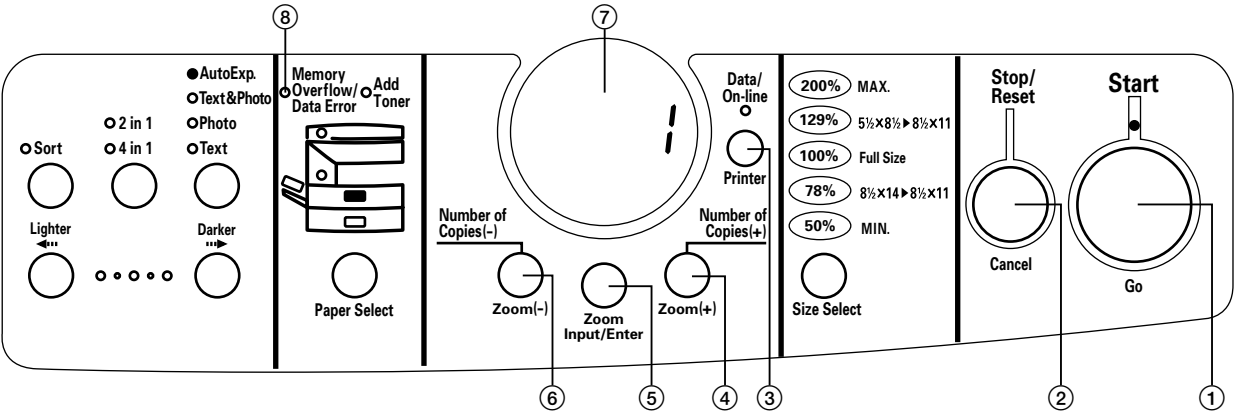
1-3 Nombres de las piezas (cuerpo principal)

- ① Conector de interface en paralelo
Conecte un cable paralelo bidireccional aquí.
- ② Ranura para tarjeta de memoria
Inserte aquí la tarjeta de memoria opcional.
- ③ Interruptor principal
Primero conecte (I) este interruptor antes de utilizar la impresora. Desconecte (O) siempre este interruptor cuando conecte el cable de impresora, etc.
- ④ Tablero de controles
Utilice para hacer ajustes, etc., en la impresora en sí.

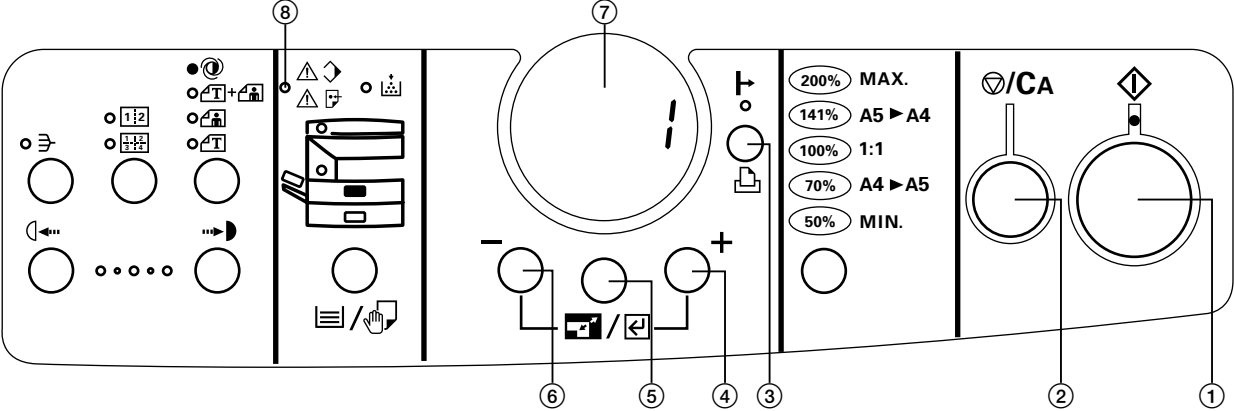


1-4 Nombres de las piezas (tablero de controles)

Especificaciones de pulgadas



Especificaciones métricas



- 1 Tecla Start [GO] (inicio [GO])
Pulse esta tecla cuando desea continuar con la impresora o cuando desea inicializar la operación para la alimentación de formularios continuos. También se utiliza esta tecla para conmutar la impresora en línea y fuera de línea. Cuando la impresora está en línea se encenderá el indicador de datos en línea.
- 2 Tecla Stop/Reset [CANCEL] ([CANCEL] y detención/puesta a cero)
Pulse esta tecla cuando desea dejar de imprimir, cuando desea cancelar un ajuste en el medio de la impresión o cuando desea cancelar un mensaje de error.
- 3 Tecla Printer (impresión)
Pulse esta tecla cuando desea cambiar al modo de impresora.
- 4 Tecla Number of Copies/Zoom(+) (número de copias/zoom(+))
Pulse esta tecla cuando desea que suban las distintas funciones, ajustes, etc.
- 5 Tecla Zoom Input/Enter (zoom y entrada/aceptar)
Pulse esta tecla cuando desea registrar un ajuste.
- 6 Tecla Number of Copies/Zoom(-) (número de copias/zoom(-))
Pulse esta tecla cuando desea que bajen las distintas funciones, ajustes, etc.
- 7 Indicación de calidad/cambio de tamaño de la copia
Indica el estado de la impresora y los demás ajustes. Aparece "P00" cuando la máquina está en el modo de impresora.
- 8 Indicador Memory Overflow/Data Error (sobrellenado de memoria/error de datos)
Destella cuando se produce un error de impresión. En este caso también destellan alternadamente "Prt" y "E##" en la indicación de calidad/cambio de tamaño de la copia. Pulse la tecla Printer (impresión) y compruebe la causa del error. Para más detalles, consulte "3-2 Cuando aparece un código de error o un mensaje de error..." en la página 6.

- La indicación de calidad/cambio de tamaño de la copia en el modo de impresora
Para entrar en el modo de impresora, pulse la tecla Printer (impresión). Las indicaciones que aparecen en la indicación de calidad/cambio de tamaño de la copia cuando la máquina está en el modo de impresora se detalla en el cuadro a continuación.

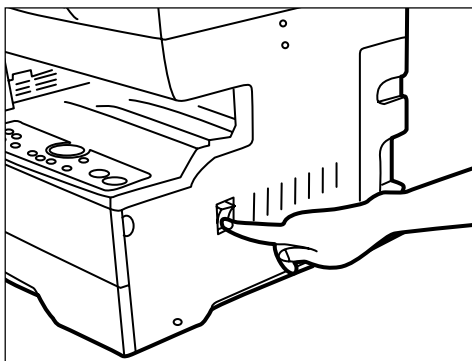
Indicación	Significado
P00	Es la indicación inicial cuando la máquina está en el modo de impresora.
P##	Indica el número de menú de los ajustes relacionados con la impresora. El número de menú en sí del ajuste seleccionado aparecerá en lugar de ##. Para más detalles, consulte el manual en línea.
Prt ↕ E##	Destellan alternadamente "Prt" y "E##" cuando se produce un error de impresión. (El correspondiente número de error aparece en lugar de ##.) Para más detalles, consulte "3-2 Cuando aparece un código de error o un mensaje de error..." en la página 6.
Prt ↕ ##	Destellan alternadamente "Prt" y un número de 2 cifras para indicar el estado actual de la impresora. El significado de los números que destellan es el siguiente: 01: La impresora está en el medio de una autocomprobación. Aparece cuando se conecta (1) el interruptor principal y cuando se reinicializa la impresora. 02: La impresora está cambiando los ajustes. Espere hasta que se complete el cambio. 10: La impresora está procesando los datos. 15: La impresora está esperando la entrada de datos. 20: Se acabó el tiempo de espera de la alimentación de formularios. 25: La impresora está cancelando datos.

2. Instalación

2-1 Conexión del cable de impresora

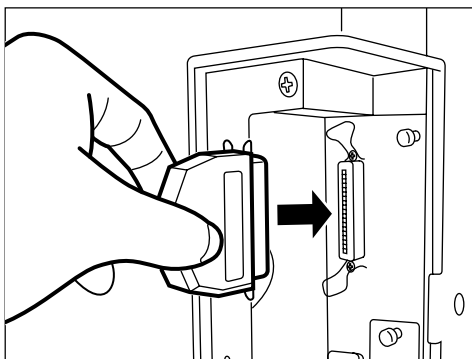
PRECAUCION: Desconecte (O) SIEMPRE el interruptor principal de la impresora ANTES de conectar el cable de impresora.

- 1 Desconecte (O) la impresora principal en el lado derecho de la impresora y desconecte también la computadora.



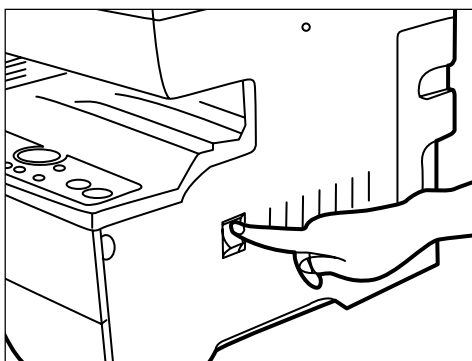
- 2 Quite la tapa colocada en la parte trasera del lado derecho de la impresora y conecte el cable de la impresora al conector de interface en paralelo.

* Si se ha instalado la tarjeta de red en la impresora, conecte el cable de impresora (100BASE-TX, etc.) y realice los ajustes apropiados para la red. Consulte "2-3 Ajuste de red (TCP/IP)" en la página 4.



- 3 Conecte la otra punta del cable de impresora en el conector de interface de su computadora.

- 4 Vuelva a conectar (I) el interruptor principal de la impresora.



2-2 Instalación de los programas

Realice el siguiente procedimiento para instalar en su computadora el controlador de impresora y otros programas apropiados al sistema operativo de esa computadora. Para más detalles sobre la instalación del programa necesario, consulte el manual en línea en el CD-ROM incluido con este producto.

2-3 Ajustes de red (TCP/IP)

Cuando se ha instalado la tarjeta de red opcional y se va a utilizar esta máquina como impresora de red, es necesario seleccionar la correspondiente dirección IP para la impresora.

Notas

- La dirección IP a registrar aquí será diferente según la configuración de red. Confirme con su administrador de red ANTES de hacer este ajuste.
- Si está utilizando un servidor DHCP para configurar automáticamente la dirección IP, este ajuste no será necesario porque la configuración del servidor DHCP ya fue activada como ajuste por omisión de fábrica.
- * Para cancelar el ajuste en el medio, pulse la tecla Stop/Reset [CANCEL] ([CANCEL] y detención/puesta a cero).

- 1** Pulse la tecla Printer (impresión). La máquina cambia al modo de impresora y aparece "P00" en la indicación de calidad/cambio de tamaño de la copia.

- 2** Utilice las teclas (+) y (–) para seleccionar "23", y pulse la tecla Enter (entrada). La indicación cambia a "P23" (el ajuste de conexión/desconexión de TCP/IP).

- 3** Utilice las teclas (+) y (–) para seleccionar "1" (Sí) y pulse la tecla Enter (entrada). El ajuste seleccionado destella dos veces y queda registrado.

- 4** Utilice las teclas (+) y (–) para seleccionar "24", y pulse la tecla Enter (entrada). La indicación cambia a "P24" (el ajuste de conexión/desconexión de DHCP).

- 5** Utilice las teclas (+) y (–) para seleccionar "2" (No) y pulse la tecla Enter (entrada). El ajuste seleccionado destella dos veces y queda registrado.

- 6** Utilice las teclas (+) y (–) para seleccionar "25", y pulse la tecla Enter (entrada). La indicación cambia a "P25" (el ajuste de dirección IP).

- 7** Las teclas (+) y (–) se utilizan para seleccionar la dirección IP de 12 dígitos en bloques de 3 dígitos cada uno: Entre primero las 3 cifras apropiadas para el primer bloque y pulse la tecla Enter (entrada). Repita este mismo procedimiento para los restantes 3 bloques de la dirección (4 bloques en total). Cuando se ha pulsado la tecla Enter (entrada) para el último bloque de 3 cifras, la indicación destella dos veces y queda registrada la dirección IP.

- 8** Utilice las teclas (+) y (–) para seleccionar "26", y pulse la tecla Enter (entrada). La indicación cambia a "P26" (el ajuste de máscara de subred). Entre la máscara de subred de 12 cifras utilizando el mismo procedimiento que para entrar la dirección IP.

- 9** Utilice las teclas (+) y (–) para seleccionar "27", y pulse la tecla Enter (entrada). La indicación cambia a "P27" (el ajuste de dirección Gateway). Entre la dirección Gateway de 12 cifras utilizando el mismo procedimiento que para entrar la dirección IP.

- 10** Una vez terminados todos los ajustes de red, pulse la tecla Printer (impresión). La máquina vuelve a cambiar al modo de copiadora.

3. Localización de averías

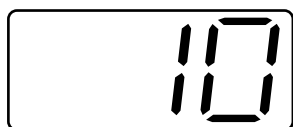
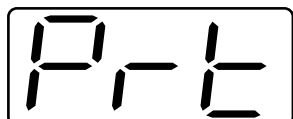
3-1 Cancelación de la impresión

Realice el mismo procedimiento para parar la impresión o cuando desea cancelar los datos.

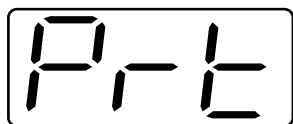
¡IMPORTANTE!

- Con esta operación se cancelan TODOS los trabajos de impresión en espera para su impresión en la memoria de la impresora.
- Cancele siempre el trabajo de impresión primero en su computadora. Si no se ha cancelado el trabajo de impresión en su computadora, los datos vuelven a enviarse a la impresora.

- 1** Pulse la tecla Printer (impresión). La máquina cambia al modo de impresora.

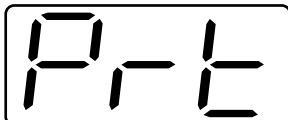


- 2** Pulse la tecla Stop/Reset [CANCEL] ([CANCEL] y detención/puesta a cero). Se cancela la impresión.



3-2 Cuando aparece un código de error o un mensaje de error...

Si aparece un código o mensaje de error en el panel de controles, confirme primero en los siguientes cuadros la causa del problema y realice el correspondiente procedimiento. Para más detalles, consulte el manual de instrucciones de su copiadora y el manual de instrucciones de cualquier equipo opcional instalado en su máquina.



Indicaciones de error de esta impresora

Si aparece "Pr" y destella el indicador Memory Overflow/Data Error (sobrellenado de memoria/error de datos) cuando la máquina está en el modo de copiadora, se produjo un error en las funciones de esta máquina. Pulse la tecla Printer (impresión) y confirme la causa del error. Consulte los siguientes cuadros para el correspondiente código de error y el procedimiento de corrección apropiado.

Código de error	Procedimiento
E01	Se produjo un atasco de papel. Retire el papel atascado.
E02	El cajón se quedó sin papel o se produjo un atasco de papel. Añada papel o retire el papel atascado, según corresponda.
E03	Uno o ambos cajones no están bien colocados en la impresora. Coloque bien ambos cajones.
E04	El tamaño del papel seleccionado para impresión no coincide con el tamaño de papel en el cajón. Cambie el papel en el cajón por el del tamaño correcto. * Si desea forzar la impresión en el tamaño de papel colocado, pulse la tecla Start [GO] (inicio [GO]). Si desea cambiar la impresión al papel en el otro cajón, pulse la tecla de selección de papel hasta que se seleccione el cajón deseado. Si desea cancelar completamente la impresión, pulse la tecla Stop/Reset [CANCEL] ([CANCEL] y detención/puesta a cero).
E05	El cajón está sin papel. Añada papel.
E06	Una de las cubiertas está abierta. Cierre firmemente las cubiertas.
E07	Difiere del tamaño real. Compruebe el ajuste de tamaño del trazador.
E25	La cantidad de papel acumulado en la bandeja interior superó la capacidad aceptable. Retire todas las hojas de la bandeja interior y pulse la tecla Start [GO] (inicio [GO]) para continuar la impresión. * Si desea cancelar completamente la impresión, pulse la tecla Stop/Reset [CANCEL] ([CANCEL] y detención/puesta a cero).
E30	Se produjo un problema dentro de la impresora. Llame a su técnico de servicio o un centro de servicio autorizado.

Código de error	Procedimiento
E60	Se produjo un error de lectura o escritura en el disco RAM. Pulse la tecla Start [GO] (inicio [GO]) para borrar la indicación de error.
E70	Se produjo un error de lectura o escritura en la tarjeta de memoria. Pulse la tecla Start [GO] (inicio [GO]) para borrar la indicación de error.
E71	Se retiró la tarjeta de memoria durante el funcionamiento en los ajustes del menú relacionados con la impresora. Vuelva a colocar la tarjeta de memoria. *CERCIORESE de desconectar (O) el interruptor principal ANTES de colocar la tarjeta de memoria.
E72	No pudo detectarse la tarjeta de memoria durante la operación por la que la impresora estaba leyendo los datos de la tarjeta. Vuelva a colocar la tarjeta de memoria. *CERCIORESE de desconectar (O) el interruptor principal ANTES de colocar la tarjeta de memoria.
E73	Inicialización de la tarjeta de memoria colocada, si fuera necesario.
E80	Se produjo un error de exceso debido a que no hay suficiente memoria. • Si desea forzar la continuación del trabajo de impresión, pulse la tecla Start [GO] (inicio [GO]). Si desea cancelar completamente la impresión, pulse la tecla Stop/Reset [CANCEL] ([CANCEL] y detención/puesta a cero). • Si se activa la "Continuación automática" (menú: P74) (ajuste: 1 [Sí]), la impresión continuará automáticamente después de transcurrir el tiempo especificado ahí. • Cuando aparece este mensaje de error, se activará automáticamente la "Protección de página" (menú: P42) (ajuste: 1 [Sí]).
E82	No pudo terminar el trabajo de impresión actual porque no hay suficiente memoria en la impresora. • Si está utilizando un disco RAM, reduzca el tamaño del disco RAM. Si este error aparece frecuentemente, se recomienda instalar memoria adicional en la impresora. Para más detalles sobre la instalación de memoria adicional, llame a su técnico de servicio o un centro de servicio autorizado. • Si desea forzar la continuación del trabajo de impresión, pulse la tecla Start [GO] (inicio [GO]). Los datos ya procesados se imprimirán y la parte remanente del trabajo de impresión se imprimirá en la siguiente página. • Si se activa la "Continuación automática" (menú: P74) (ajuste: 1 [Sí]), la impresión continuará automáticamente después de transcurrir el tiempo especificado ahí.
E83	El interfaz seleccionado está en uso. Espere y trate nuevamente.
EF1	Se detectó un error durante el funcionamiento. Desconecte (O) el interruptor principal de la impresora y vuelva a conectar (I) nuevamente. Si continua el mismo mensaje de error, llame a su técnico de servicio o un centro de servicio autorizado.
EF2	Se detectó un error durante el funcionamiento. Desconecte (O) el interruptor principal de la impresora y vuelva a conectar (I) nuevamente. Si continua el mismo mensaje de error, llame a su técnico de servicio o un centro de servicio autorizado.

3. Localización de averías

3-3 Cuadro de localización de averías básicas

Si tiene problemas durante el uso este aparato como impresora, consulte el siguiente cuadro para realizar ajustes básicos. Si el problema no desaparece, llame a su técnico de servicio o centro de servicio autorizado.

* Para información sobre averías generales mecánicas en su aparato, consulte el manual de instrucciones de su copiadora.

Problema	Punto a inspeccionar	Procedimiento	Página de referencia
No se imprime nada	¿El cable eléctrico está mal enchufado?	Enchufe firmemente el cable eléctrico en el tomacorriente.	—
	¿La alimentación de la impresora está conectada (I)?	Conecte (I) el interruptor principal de la impresora.	3
	¿El cable de impresora es el correcto y está bien conectado?	Compruebe que se utiliza un cable de impresora correcto y compruebe que está bien conectado.	3
	¿Se conectó el cable de impresora DESPUES de conectar la alimentación de la impresora?	Conecte el cable de impresora ANTES de conectar la alimentación de la impresora.	—
	¿La impresora está fuera de línea? (¿El indicador de datos en línea está apagado?)	Realice el procedimiento apropiado para que se encienda el indicador de datos en línea y ponga la impresora en línea. ① Pulse la tecla Printer (impresión). La máquina cambia al modo de impresora. ② Pulse la tecla Start [GO] (inicio [GO]). ③ Se enciende el indicador de datos en línea.	2
El texto no se imprime correctamente	¿El cable de impresora es el correcto y está bien conectado?	Compruebe que se utiliza un cable de impresora correcto y compruebe que está bien conectado.	3
La impresión no se hace correctamente	¿Los ajustes de configuración en su computadora son los correctos?	Confirme los ajustes en el controlador de impresora y en el programa utilizado en la computadora.	—

4. Especificaciones

CPU	PowerPC 405 (200MHz)
Velocidad de impresión	Copiadora de 15, 18 ppm: 18 hojas/min. (A4 [8 1/2" x 11"])
Resolución de impresión	Con suavización DESACTIVADA: 600 dpi x 600 dpi Con suavización ACTIVADA: interpolado 2400 dpi x 600 dpi
Máximo tamaño de impresión	Legal (8 1/2" x 14"). Folio
Capacidad de memoria RAM	Instalado: 8 MB Máximo: 136 MB (con una memoria adicional de 128 MB opcional instalada)
Interface	Una interface en paralelo (cumple con IEEE 1284)
Tipos instalados	80

* Las especificaciones están sujetas a cambios sin previo aviso.

Printing System (M)

INSTRUCTION HANDBOOK

<Functions Edition>

Introduction

Chapter 1 Printer-related operation

- 1. Printer Settings
- 2. Memory Card / RAM Disk

Chapter 2 Software-related operation

- 1. Procedure for Installing and Printing with a Printer Driver
- 2. Windows KX Driver
- 3. Printer Driver for Macintosh

Introduction


About this On-Line Manual

This On-Line Manual is included with your Printing System (M) and should be read in combination with the Instruction Handbook <Set-Up Edition> for that product.

This manual contains information on making settings in your printer, as well as on installing and setting the printing properties for the corresponding Printer Drivers.

The explanations in this manual were written with the assumption that the user has a basic understanding of how to work in Microsoft Windows. For further information on using Windows, refer to your Microsoft Windows manual.

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1. Printer Settings

IMPORTANT!

All setting items and the selection of their actual settings are accomplished in this machine based on a maximum 3-digit entry system. Refer to "1-2 List of settings" on page 1-3 for information regarding the various items as well as their corresponding menu numbers and available settings.

1-1 Procedure for making settings

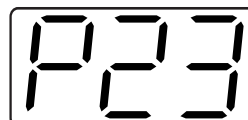
1

Press the Printer key. The machine will switch to the printer mode and "P00" will appear in the copy quality/magnification display.



2

Use the "+" and "-" keys to scroll through the menu numbers one number at a time. (Any menu number that does not have a corresponding setting item will be skipped and the next viable menu number that DOES have an available setting will be displayed.)



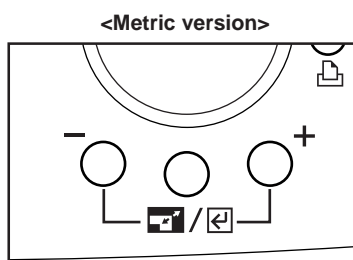
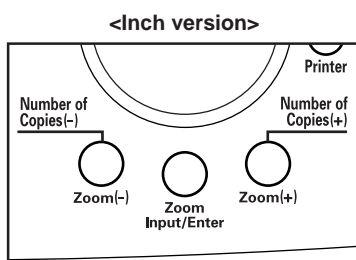
3

Select the desired setting.

Note

Settings are normally changed by using the "+" and "-" keys to select a value, or by typing in the desired value directly. Press the Enter key when you are finished in order to register the selected setting.

When typing in a network address, press the Enter key after each block of 3 digits.



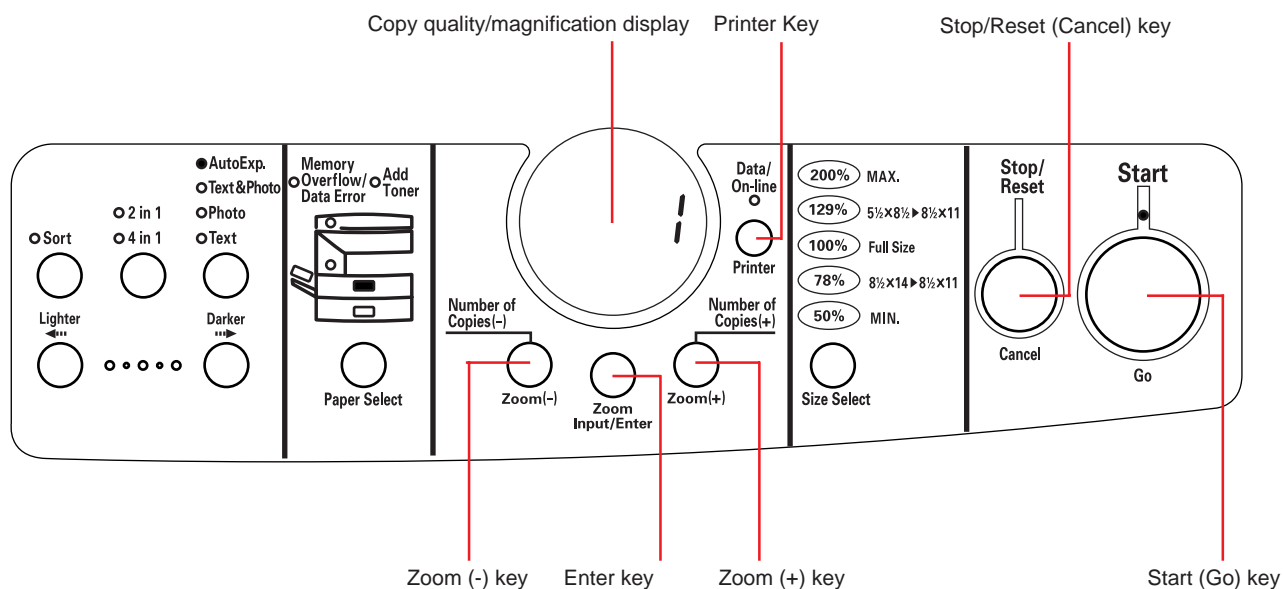
4

Press the Printer key again to switch back to the copier mode.

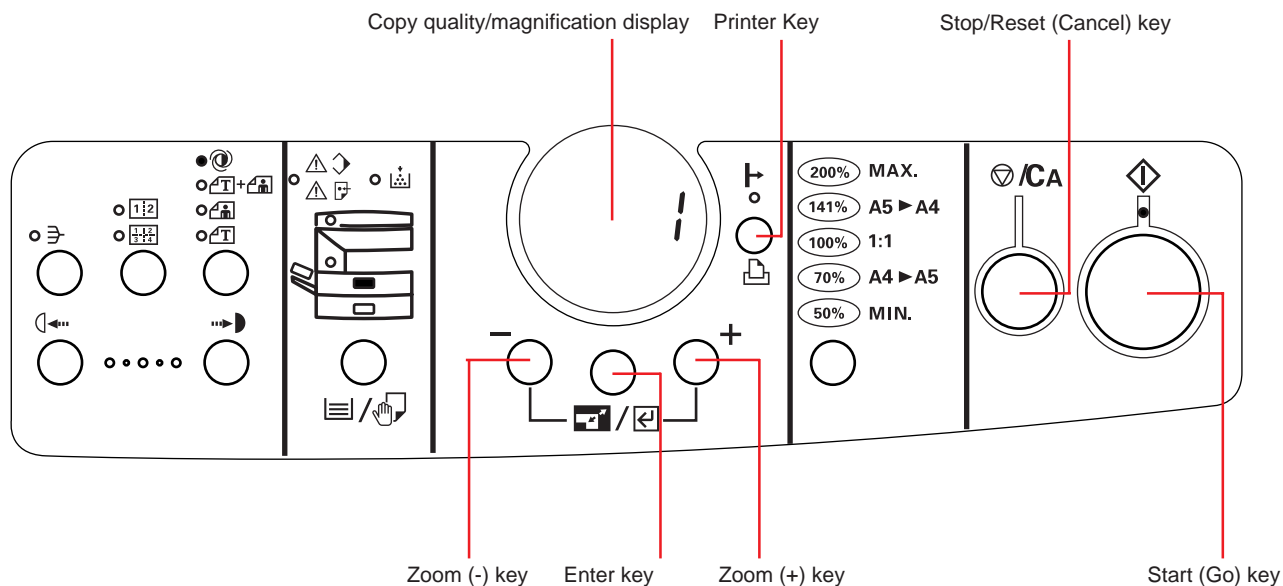
1. Printer Settings

■ Operation keys

<Inch version>



<Metric version>



1. Printer Settings

1-2 List of settings

Menu number	Item	Available settings	Remarks
P11	Printer Status Page print out Prints out a list of such items as the current printer default settings and memory volume, etc.	-- --	Print out will begin as soon as the corresponding menu number is displayed and the Enter key pressed.
P20	Parallel TX/RX mode Sets the transmission and reception mode when the printer is connected to your computer with a parallel interface.	(1) Auto (2) Normal (3) High Speed (4) Nibble (high)	
P21	NetWare ON/OFF	(1) On (2) Off	Available only when the Network Card is installed.
P22	NetWare frame type Sets the NetWare frame type.	(1) Auto (2) 802.3 (3) Ethernet II (4) 802.2 (5) 802.3 SNAP	Available only when the Network Card is installed.
P23	TCP/IP ON/OFF	(1) On (2) Off	Available only when the Network Card is installed.
P24	DHCP ON/OFF	(1) On (2) Off	Available only when the Network Card is installed.
P25	IP address	Enter the address.	Available only when the Network Card is installed.
P26	Subnet Mask	Enter the address.	Available only when the Network Card is installed.
P27	Gateway address	Enter the address.	Available only when the Network Card is installed.
P28	EtherTalk ON/OFF	(1) On (2) Off	Available only when the Network Card is installed.
P29	Network Card Status Page print out ON/OFF Sets whether a Status Page regarding conditions in the Network Card will be printed out as well when the standard Status Page for the printer (menu: P11) or that for use by your service representative (menu: P76) are printed out. A more detailed Status Page is printed out together with the "Service Rep Status Page print out" setting (menu: P76).	(1) On (2) Off	Available only when the Network Card is installed.
P30	Emulation protocol (parallel interface) Sets the emulation protocol that will be used.	(1) Line Printer (2) IBM Proprinter (3) DIABLO 630 (4) EPSON LQ-850 (5) PCL 6 (6) KPDL (7) KPDL (AUTO)	

1. Printer Settings

Menu number	Item	Available settings	Remarks
P31	KPDL Error Report print out ON/OFF Sets whether an Error Report will be automatically printed out whenever a KPDL error occurs.	(1) On (2) Off	
P32	Auto emulation switching (parallel interface) Sets the back-up emulation that, depending upon the type of data received, may be switched to for printing out when "KPDL (AUTO)" (setting: 7) is selected under the "Emulation protocol" setting (menu: P30).	(1) Line Printer (2) IBM Proprinter (3) DIABLO 630 (4) EPSON LQ-850 (5) PCL 6	
P35	Emulation protocol (network interface) Sets the emulation protocol that will be used.	(1) Line Printer (2) IBM Proprinter (3) DIABLO 630 (4) EPSON LQ-850 (5) PCL 6 (6) KPDL (7) KPDL (AUTO)	Available only when the Network Card is installed.
P37	Auto emulation switching (network interface) Sets the back-up emulation that, depending upon the type of data received, may be switched to for printing out when "KPDL(AUTO)" (setting: 7) is selected under the "Emulation protocol" setting (menu: P35)	(1) Line Printer (2) IBM Proprinter (3) DIABLO 630 (4) EPSON LQ-850 (5) PCL 6	Available only when the Network Card is installed.
P40	Number of copies	001 - 999	
P42	Page Protect If "AUTO" (setting: 1) is selected here, the machine will monitor the data and, if necessary, will automatically turn Page Protect ON. If a "Print overrun" error (error code: E80) does happen to occur even then, the machine will automatically change the Page Protect setting to "ON" (setting: 2).	(1) Auto (2) On	
P43	Line Feed (LF) handling (parallel interface)	(1) LF only (2) CR and LF (3) Ignore LF	
P44	Line Feed (LF) handling (network interface)	(1) LF only (2) CR and LF (3) Ignore LF	Available only when the Network Card is installed.
P45	Carriage Return (CR) handling (parallel interface)	(1) CR only (2) CR and LF (3) Ignore CR	
P46	Carriage Return (CR) handling (network interface)	(1) CR only (2) CR and LF (3) Ignore CR	Available only when the Network Card is installed.

1. Printer Settings

Menu number	Item	Available settings	Remarks
P47	Wide A4 ON/OFF Increases the printing area on A4 size paper.	(1) On (2) Off	
P48	Printing orientation (parallel interface)	(1) Portrait (2) Landscape	
P49	Printing orientation (network interface)	(1) Portrait (2) Landscape	Available only when the Network Card is installed.
P50	Smoothing ON/OFF Allows a printing resolution of an interpolated 2400 dpi x 600 dpi through the smoothing process.	(1) On (2) Off	
P51	EcoPrint ON/OFF Allows printing in a toner-saving mode. This mode is especially suited for test pages, etc., where high printing quality is not required.	(1) On (2) Off	
P52	Printing resolution	(1) 300 dpi (2) 600 dpi	
P55	RAM disk ON/OFF	(1) On (2) Off	At least 16 MB of additional memory (option) must be installed.
P56	RAM disk size Sets the amount of memory that will be used as a RAM disk. The maximum size that can be selected is the total amount of memory installed minus the amount used by the system (9 MB).	01 - 99 (MBytes)	
P62	Bypass mode If "First" (setting: 2) is selected here and there is paper set in the Multi-Bypass, paper feed will be accomplished from the Multi-Bypass.	(1) Cassette (2) First	
P70	Force-print time-out If "000" seconds is selected here, successive pages will not be printed until they are manually force-printed (by pressing the Start (Go) key in the printer mode).	000 - 495 (sec.)	

1. Printer Settings

Menu number	Item	Available settings	Remarks
P71	Receive dump mode The data that the printer receives for debugging programs and files is turned into hexadecimal code and printed out. If "OK" (setting: 1) is selected here, this receive dump mode will be activated. The receive dump mode will be canceled under the following circumstances: <ul style="list-style-type: none"> • The Start (Go) key is pressed in the printer mode. • A force-print time-out occurs. 	(1) OK	
P72	Printer reset Resets the Printer Board only even without turning the power to the machine OFF.	(1) OK	
P73	Resource protect mode Protects the resource data of fonts and macros downloaded through PCL6 and, even if the emulation protocol is switched, the PCL resource will be saved in the printer's memory. If "Permanent" (setting: 2) is selected here, temporary resources will not be saved. If, however, "Permanent/Temporary" (setting: 3) is selected, temporary resources will also be saved. Permanent/Temporary	(1) Off (2) Permanent (3) Permanent/Temporary	At least 16 MB of additional memory (option) must be installed.
P74	Auto Continue ON/OFF If one of the following error messages appears and "On" has been selected here, the error state will be released and the printing operation will be restarted automatically after a specified amount of time. "Memory overflow (error code : E70)" "Print overrun (error code : E80)"	(1) On (2) Off	
P75	Recovery time for Auto Continue Sets the amount of time before Auto Continue engages when "On" (setting: 1) is selected under the "Auto Continue ON/OFF" setting (menu: P74). If "000" seconds is selected here, Auto Continue will engage immediately after the error.	000 - 495 (sec.)	
P76	Service Rep Status Page print out Prints out a Status Page for use by your service representative.	— — —	Print out will begin as soon as the corresponding menu number is displayed and the Enter key pressed.

2. Memory Card / RAM Disk

2-1 Memory Card

This machine comes equipped with a slot for inserting a Memory Card.

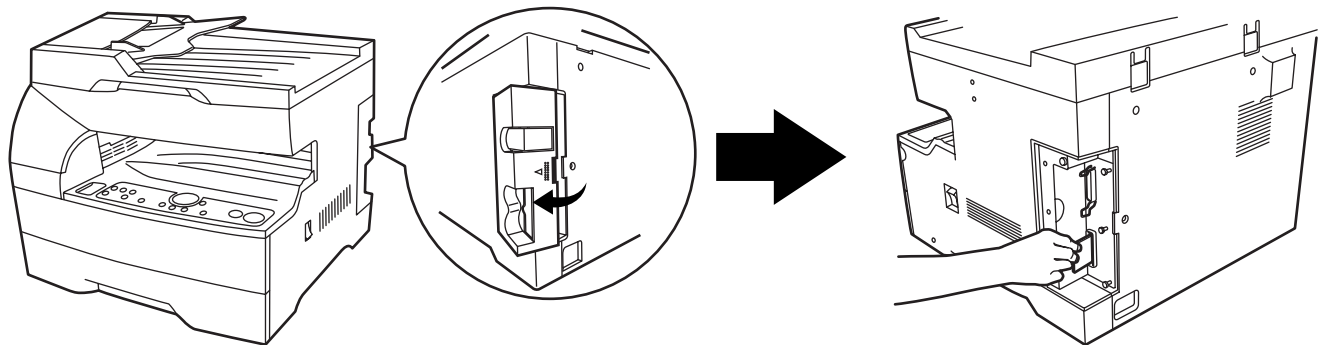
Use a Memory Card that contains fonts in order to print with fonts other than those already installed in the machine, or use the card to save and then read print data.

Inserting the Memory Card

Insert the Memory Card into the slot carefully with the front of the card facing the rear of the machine.

IMPORTANT!

BE SURE to turn the main switch OFF (O) BEFORE inserting or removing the Memory Card.



* The Memory Card is managed through printer control commands received from your computer. Refer to "2-3 Printer control commands" on page 2-2.

2-2 RAM Disk

In this machine, it is possible to create a RAM Disk, or a portion of memory that is used as a virtual disk. By creating a RAM Disk of a desired size from among the total memory in the printer, it is possible to perform electronic sorting (which shortens the overall time required for printing) as well as to save data to and retrieve data from that disk very quickly.

Additional memory (option) must be installed before a RAM Disk can be created.

IMPORTANT!

The RAM Disk is created from that portion of the printer's memory that is normally available to the user. Thus, if the size of the RAM disk created is too large, printing speed may actually be decreased or the machine may run out of available memory.

WARNING: Resetting the printer or turning the main switch OFF (O) will erase all data written to the RAM Disk.

The factory default setting for the RAM Disk is "OFF". In order to create a RAM Disk it is necessary to change the setting on the operation panel of the copier itself. Refer to "1. Printer Settings" on page 1-1, as appropriate to your machine, for information on the appropriate procedure.

* The RAM Disk can be used for saving and reading print data.

* Saving and reading data on the RAM Disk is managed through printer control commands received from your computer. Refer to "2-3 Printer control commands" on page 2-2.

2. Memory Card / RAM Disk

2-3 Printer control commands

It is possible to issue simple commands to the Memory Card and RAM Disk from the MS-DOS Prompt in Windows.

2-3-1 Using printer control commands

A printer control command line includes “!R!” (Command operation start), as well the actual commands and parameters that are to be implemented and that are entered after that.

The basic configuration of a printer control command line is as follows:

[Example] To delete the print data entitled “SAMPLE.txt” from the Memory Card

ECHO	!R!	RWER	D,A,2,“SAMPLE.txt”;	EXIT;	>LPT1
A	B	C	D	E	F

A: DOS command

B: Command operation start

C: Command (“RWER D” is the command to delete data)

D: Parameters (“A” refers to the Memory Card, “2” refers to the type of data [in this case print data] and “SAMPLE.txt” is the name of the corresponding partition)

E: Command operation end

F: Printer connection port (Network: “PRN”, Local: “LPT1”, etc.)

CAUTIONS

- When issuing DOS commands in the Japanese input mode, ALWAYS use JIS ASCII (JIS C6220) characters. Kanji Code and Kanji Half-Space Code input will not work.
- Enter all commands in uppercase (capital) letters.
- Be sure to enter a semi-colon (;) at the end of each standard command [shown as “C” in the example above] (or after the corresponding parameter, if included), and separate each individual parameter with a comma (,).
- Be sure to enter a space before and after the “!R!” command, as well as before “EXIT;”.

2. Memory Card / RAM Disk

2-3-2 Formatting the Memory Card

Perform the following procedure when you want to initialize the Memory Card from your computer.

IMPORTANT!

WARNING: Initializing the Memory Card will erase all data in the card. Make sure that you want to initialize that Memory Card before starting the procedure.

Procedure

- 1 Insert the Memory Card that you want to initialize into the Memory Card slot.
- 2 Open an MS-DOS Prompt in Windows.
- 3 Type in the command to format the Memory Card and then press the ENTER key.

```
C:\WINDOWS>ECHO !R! RWER F,A; EXIT;>LPT1
```
- 4 Once the Memory Card is formatted, the "FORMAT INFORMATION" report will be printed out.

2-3-3 Writing print data

Perform the following procedure when you want to write print data to a Memory Card or RAM Disk from your computer.

- * Verify beforehand that the Memory Card is in a write-enabled state and that the RAM Disk is turned ON.

Procedure

- 1 Open an MS-DOS Prompt in Windows.
- 2 Type in the command to write data and then press the ENTER key.
[Example] To write the print data entitled "SAMPLE.txt" to a Memory Card
 - * To write the data to a RAM Disk, simply change the "A" parameter to "0".

```
C:\WINDOWS>ECHO !R! RWER W,A,2,"SAMPLE.txt";>LPT1_
```
- 3 Send the print data from your computer.

```
C:\WINDOWS>COPY /b SAMPLE.txt LPT1
```
- 4 Once the print data is sent, the next command can be sent.

```
C:\WINDOWS>ECHO !R! WRED; EXIT;>LPT1_
```
- 5 Print out the Partition List to verify whether or not the data was written properly.
 - * Refer to "2-3-7 Printing out the Partition List" for information on printing that list.

2. Memory Card / RAM Disk

2-3-4 Writing font data

Perform the following procedure when you want to write font data to a Memory Card or RAM Disk from your computer. At the same time as the font data is written to disk, it will be sent to the printer as well.

- * Verify beforehand that the Memory Card is in a write-enabled state and that the RAM Disk is turned ON.
- * Only TrueType fonts can be written to the Memory Card or RAM Disk.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to write data and then press the ENTER key.

[Example] To write the font data entitled "FONT1" to a Memory Card

```
C:\WINDOWS>ECHO !R! RWER S,1,2,3"4FONT1", "4FONT",545040;>LPT1
```

NOTES

The parameters contained within the command line are as follows:

- 1: "A" refers to the Memory Card and "0" refers to the RAM Disk
- 2: "0" refers to a TrueType font, "1" refers to a Japanese TrueType font, "2" refers to a Japanese TrueType Collection font
- 3: File name
- 4: Font name
- 5: Font data length (binary data bytes)

3 Send the font data from your computer.

```
C:\WINDOWS>COPY /b FONT1 LPT1_
```

4 Once the font data is sent, the next command can be sent.

```
C:\WINDOWS>ECHO !R! WRED; EXIT;>LPT1_
```

5 Print out the Partition List to verify whether or not the data was written properly.

- * Refer to "2-3-7 Printing out the Partition List" for information on printing that list.

2. Memory Card / RAM Disk

2-3-5 Reading print data

Perform the following procedure when you want to read print data that has been saved on a Memory Card or RAM Disk.

- * Verify beforehand that the Memory Card is in a write-enabled state and that the RAM Disk is turned ON.
- * To verify saved data and the corresponding partition name, it is helpful to print out the Partition List. Refer to “2-3-7 Printing out the Partition List” for information on printing that list.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to read data and then press the ENTER key.

[Example] To read the print data entitled “SAMPLE.txt” from a Memory Card

- * To read the data from a RAM Disk, simply change the “A” parameter to “0”.

```
C:\WINDOWS>ECHO !R! RWER R,A,2,“SAMPLE.txt”; EXIT;>LPT1
```

3 Print out of the corresponding data will begin.

2-3-6 Deleting print data or font data

Perform the following procedure when you want to delete print data or font data that has been saved on a Memory Card or RAM Disk.

- * Verify beforehand that the Memory Card or RAM Disk contains the data that you want to delete.
- * To verify saved data and the corresponding partition name, it is helpful to print out the Partition List. Refer to “2-3-7 Printing out the Partition List” for information on printing that list.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to delete data and then press the ENTER key.

[Example] To delete the print data entitled “SAMPLE.txt” from a Memory Card

- * To delete the data from a RAM Disk, simply change the “A” parameter to “0”.
- * To delete font data, simply change the “2” parameter to “1”.

```
C:\WINDOWS>ECHO !R! RWER D,A,2,“SAMPLE.txt”; EXIT;>LPT1
```

3 Deletion of the corresponding data will begin.

4 Print out the Partition List to verify whether or not the data was deleted properly.

2. Memory Card / RAM Disk

2-3-7 Printing out the Partition List

Perform the following procedure when you want to print out the Partition List in order to verify the print data and font data that has been saved on a Memory Card or RAM Disk.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to print out the Partition List and then press the ENTER key.

[Example] To print out the Partition List for a Memory Card

* To print out the Partition List for a RAM Disk, simply change the "A" parameter to "0". If you do not include this parameter, both Partition Lists will be printed out.

```
C:\WINDOWS>ECHO !R! RWER L,A; EXIT;>LPT1_
```

3 Print out of the Partition List will begin.

2-3-8 Auto Partition List print out ON/OFF

It is possible to have a Partition List printed out automatically any time data is written to a Memory Card or RAM Disk. Perform the following procedure when you want to change the setting for automatic print out.

Procedure

1 Open an MS-DOS Prompt in Windows.

2 Type in the command to have the Partition List printed out automatically and then press the ENTER key.

[Example] To turn Auto Partition List print out ON

* To turn Auto Partition List print out OFF, simply change the "E" parameter to "D".

```
C:\WINDOWS>ECHO !R! RWER I,E; EXIT;>LPT1_
```

1. Procedure for Installing and Printing with a Printer Driver

1-1 Included printer drivers

The following printer drivers are included with this product.

* Each type of printer driver has a version appropriate to a specific model of copy machine. Be sure to choose the driver that is appropriate for your copier.

Driver type	Description	Compatible OS
KX driver	By attaching optional equipment it is possible to easily extend printer functionality. This driver will enable you to use such compound printer functions to their fullest.	Windows 95/98 Windows NT4.0 Windows 2000 Windows Me
Macintosh PPD file	A PPD (PostScript Printer Description) file is included for use with this product. Use "LaserWriter 8" as the printer driver for your Mac OS.	Macintosh System 7.61 - 9.1

Note

- When using KPDL in Windows, set "Page Description Language" to the KPDL. See "2-6 Device Setting Tab" in Page 2-9 and 2-10.

1. Procedure for Installing and Printing with a Printer Driver

1-2 System Conditions

●Windows 95

		IBM PC / AT or compatible
System requirements	CPU	i486SX 25 MHz or more
	RAM	8 MB or more
	HDD	10 MB or more
Recommended requirements	CPU	Pentium 90 MHz or more
	RAM	16 MB or more
	HDD	10 MB or more

●Windows 98

		IBM PC / AT or compatible
System requirements	CPU	i486DX 66 MHz or more
	RAM	16 MB or more
	HDD	10 MB or more
Recommended requirements	CPU	Pentium 90 MHz or more
	RAM	32 MB or more
	HDD	10 MB or more

●Windows NT 4.0

		IBM PC / AT or compatible
System requirements	CPU	i486SX 25 MHz or more
	RAM	16 MB or more
	HDD	10 MB or more
Recommended requirements	CPU	Pentium 90 MHz or more
	RAM	32 MB or more
	HDD	10 MB or more

●Windows 2000

		IBM PC / AT or compatible
System requirements	CPU	Pentium 133 MHz or more
	RAM	64 MB or more
	HDD	10 MB or more
Recommended requirements	CPU	Pentium 133 MHz or more
	RAM	64 MB or more
	HDD	10 MB or more

●Windows Me

		IBM PC / AT or compatible
System requirements	CPU	Pentium 150 MHz or more
	RAM	64 MB or more
	HDD	10 MB or more
Recommended requirements	CPU	Pentium 200 MHz or more
	RAM	64 MB or more
	HDD	10 MB or more

1. Procedure for Installing and Printing with a Printer Driver

1-3 Screen that Appears when the CD-ROM is Inserted

This section explains the screen that appears when the CD-ROM supplied with the Printing System is inserted into the CD-ROM drive.



■ Install Drivers

Click to start installation of the printer driver. Follow the instructions displayed on the screen to install the printer driver.

■ Driver Tools

Click to display a menu including uninstallation of the printer driver.

[Remove Drivers] Starts the uninstaller of the printer driver.

[Make Driver Disk] Copies the installer program to a floppy disk. Use of this floppy disk allows you to install the printer driver without the need of the installer CD-ROM.
* Driver for Macintosh cannot be made.

■ Network

Click to display the KM-NET VIEWER's installation menu. Follow the instructions displayed on the screen to install the KM-NET VIEWER.

■ Documentation

Click to display the manual (PDF) supplied with the printer driver. To open this PDF manual, Adobe Acrobat Reader (developed to view PDF files) is required, so make sure that Adobe Acrobat Reader is installed before opening the manual.

[Install Acrobat Reader] Installs Adobe Acrobat Reader.

[User's manual] Displays the manuals (PDF) of the printer and printer driver. They explain the installation procedure of the printer driver and operation procedure of the printer.

[Release Notes], [Read me] This file contains information which is not explained in the manuals. Please read this file before using the printer driver.

[Programming Manuals] Displays the manuals (PDF) of the PRESCRIBE.

1. Procedure for Installing and Printing with a Printer Driver

1-4 Installing the Printer Driver (Windows)

Install the printer driver as follows:

- * The printer can be connected to the computer by one of the following two methods: local or network. If you want to connect them through network, refer to the operation manual of the operating system (OS).
- * DO NOT use Plug&Play when installing the printer driver. Depending upon the printer you are using, the printer driver may not be installed correctly. ALWAYS use the menu of the CD-ROM that is included with this product to install the printer driver.
- * The screens shown in the following explanation are those displayed when installing the printer driver for Windows 95/98.

1

Start Windows.

- * If any applications are currently running, exit them.

2

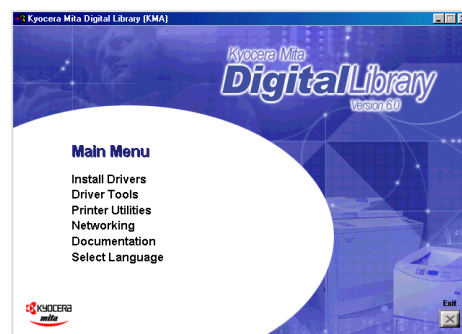
Insert the CD-ROM supplied with the printer into the CD-ROM drive.

A start window will appear.

3

Click Install Driver in the lower left corner of the window.

- * If the start window does not appear even if the CD-ROM is inserted, double-click My Computer on the desktop, then double-click the CD-ROM icon.



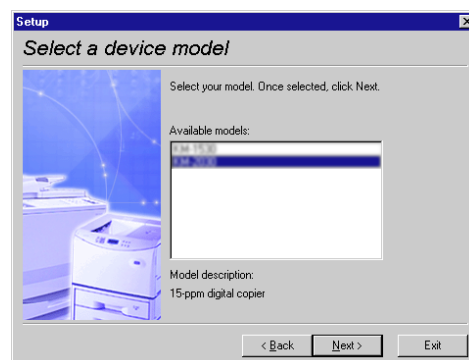
4

The Set-up Wizard window will appear, so click Next.

A list of printer models will appear.

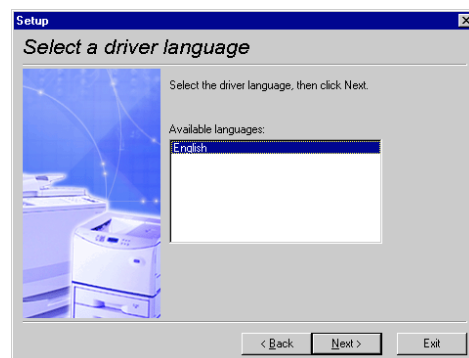
5

Select the printer you are using, then click Next.



6

The language to be used can be selected. Select the desired language from the box, then click Next.



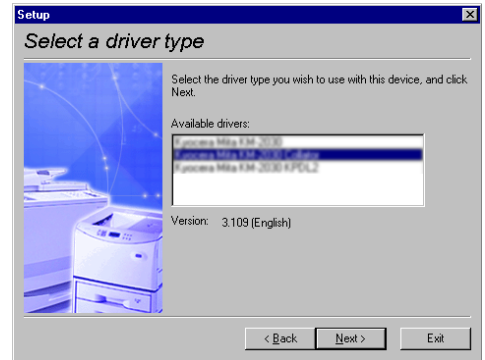
1. Procedure for Installing and Printing with a Printer Driver

7

Select the driver type.

From the list, select the type of driver to be installed, then click Next.

* Refer to “1-1 Included printer Drivers” on page 1-1 for information regarding each printer driver.



8

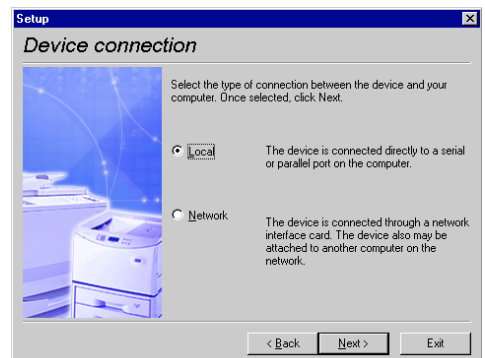
All available options will be displayed. Select the items that you want to install and then click on the [Next] button.

9

Select the connection type: Local or Network.

- Local: The printer is connected directly to the parallel port.
- Network: The printer is connected to the printer via network (using a network interface).

* If Local is selected, proceed to step 11. If Network is selected, proceed to step 10.



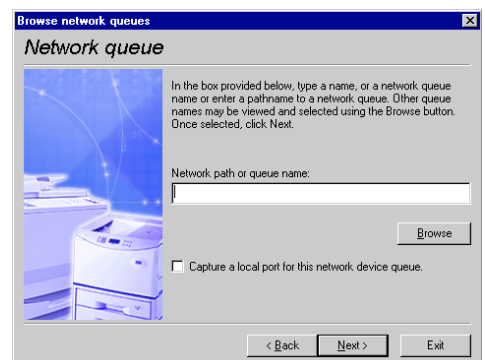
10

Enter the network queue name or the path for the network queue in the box.

To select another network queue name, press Browse.

If you are going to use a local port for the network queue, click the check box displayed below, then proceed to step 11.

Otherwise, proceed to step 12.

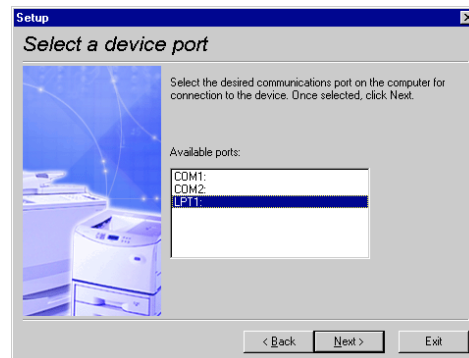


1. Procedure for Installing and Printing with a Printer Driver

11

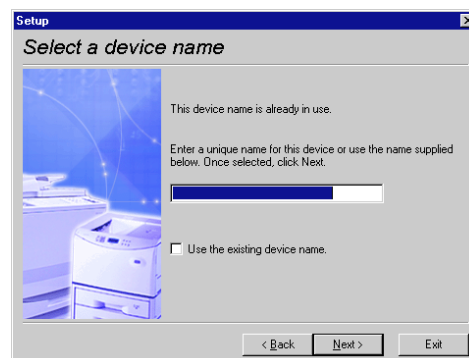
Select a printer port. From the list, select the desired port, then click Next.

- * Normally, set to LPT1.
- * When installing the printer driver for Windows NT, the Add LPR Port button will appear below the box, so press the button to set the desired LPR printer.



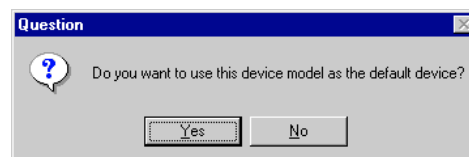
12

A name can be assigned to your printer.
Specify a new name or select the desired name from the list, then click Next.



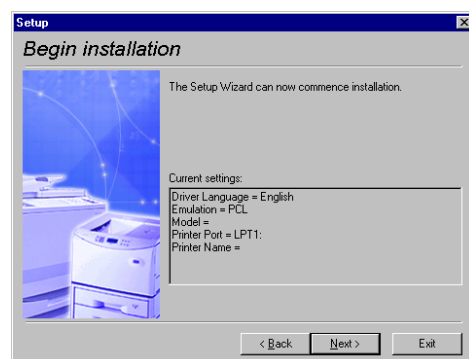
13

Specify whether this printer is to be used as the default printer.
Click Yes if so, or click No if not.



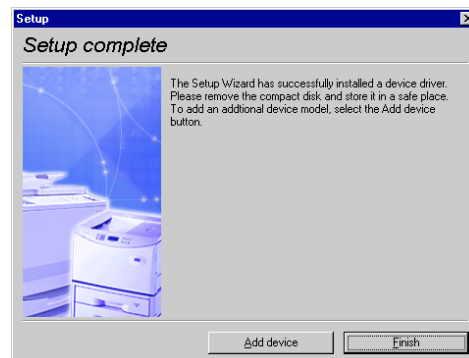
14

The settings you have made so far will appear. If they are correct, click Next.
Installation of the printer driver will start.



15

To exit installation, click Finish.
* If you want to add another printer driver, click Add Printer and then repeat the same procedure.
Installation of the printer driver is now complete.



1. Procedure for Installing and Printing with a Printer Driver

1-5 Uninstalling the Printer Driver

This section explains how to uninstall the printer driver.

Use of the uninstaller supplied with the printer driver allows you not only to uninstall the printer driver, but also uninstall the printer driver related files and Windows registries.

* Never delete Windows registries which do not relate to the printer to be uninstalled. Since Windows registries are deeply involved in the operation of the computer, the computer may malfunction if wrong registries are deleted.

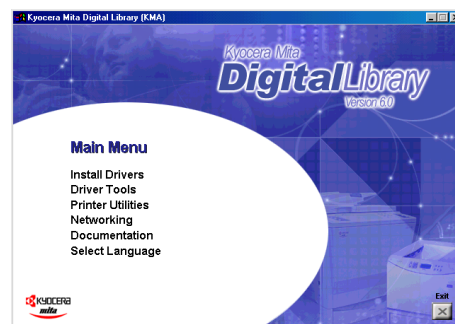
1

Start Windows.

2

Insert the printer driver installer CD-ROM into the CD-ROM drive on your computer.

The window shown on the right will appear.

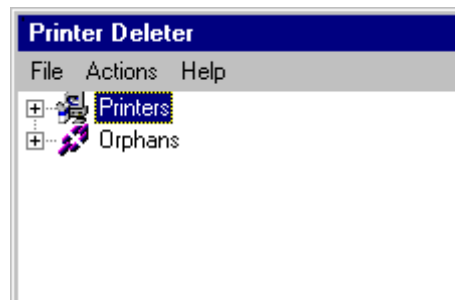


3

Click on [Driver Tools] and then on [Remove Drivers] from the subsequent menu.

The [Printer Deleter] dialog box will appear.

Clicking "+" mark will display printer drivers installed on the computer and Windows registries in a hierarchical (tree) structure.



4

Select the printer you are using, then select [Actions]-[Delete].

The selected printer driver will be removed.

* The selected printer driver can also be removed by pressing the [Del] key, instead of selecting [Action]-[Delete].



1. Procedure for Installing and Printing with a Printer Driver

1-6 Printing

The following is an example procedure for printing using a printer driver under the conditions and environment noted below.

- OS : Windows 95
- Printer driver : KX Driver
- Application : Wordpad

If you use a system or driver other than that noted above, use the following procedure simply as a reference tool. It is additionally recommended that you read the section corresponding to your operation system as it will contain further explanations specifically regard that OS and other related drivers.

1

● Making the printer driver settings in Windows

Click on [Start] on the Task Bar.

The Start menu will appear.

2

Use the mouse to point to [Settings] and click on [Printers] in the corresponding submenu.

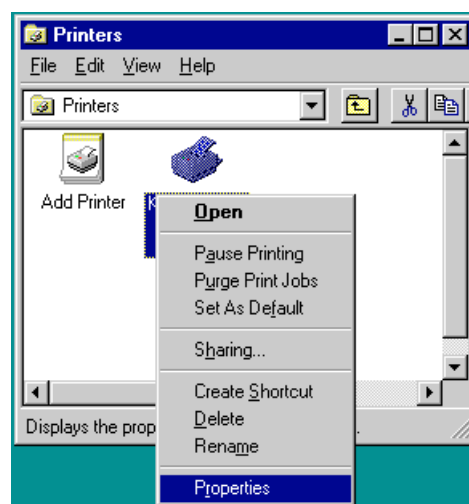
The [Printers] folder will open.

3

Use the right mouse button to click on the icon for this printer. A pop-up menu will be displayed.

Select [Properties] from that menu.

The Properties window will appear.



4

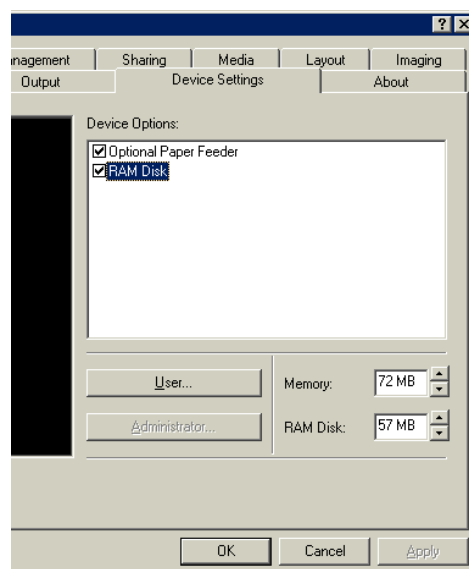
Click on the [Device Settings] Tab.

5

“Device Options” setting

Select and installed options here. Once you have completed the setting for each option, the functions of that option will be available for use.

Once you have completed these settings, click on [OK].



1. Procedure for Installing and Printing with a Printer Driver

6

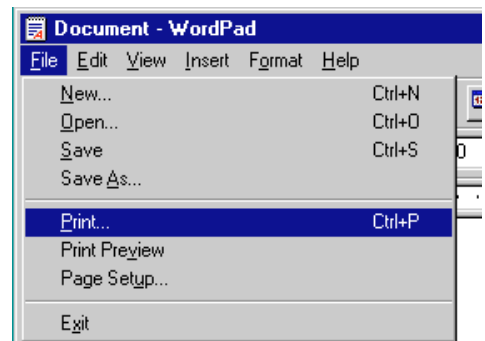
● Printing from the application

Use the application that you want to use to open the document that you want to print.

7

Select [Print] in the [File] menu.

The [Print] dialogue box will appear.



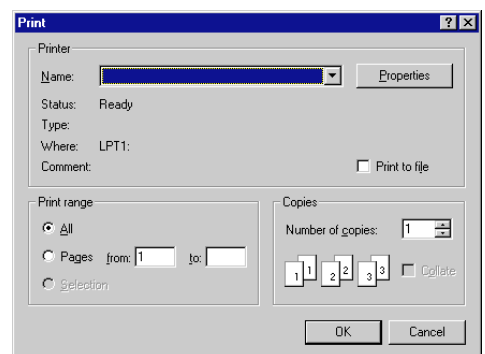
8

Select the desired number of copies that you want to make and which pages are to be printed.

Select this printer in the [Name] field.

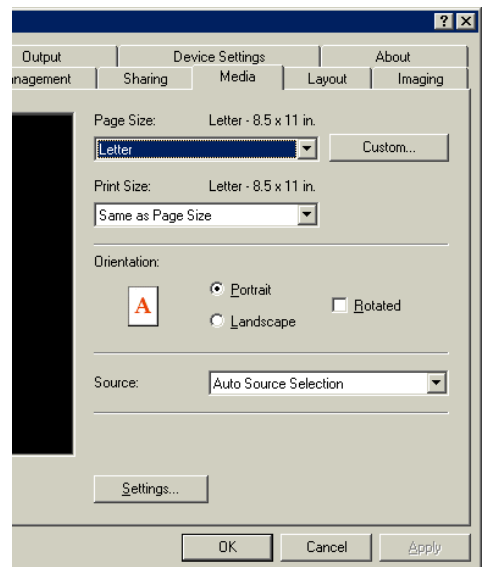
Click on [Properties].

The Properties window will appear.



9

Click on the [Media] Tab and select the desired paper size, cassette, etc.



10

Click on the [Layout] or [Output] tab select the desired function(s).

11

Click on [OK]. You will be returned to the [Print] dialogue box. Click on [OK] once again. Printing will begin.

2. Windows KX Driver

The following section explains the functions of the KX driver.

- * The following procedure is explained as though it is being carried out in Windows 98. If you are using another operating system, use this procedure simply as reference.
- * Depending upon version upgrades of the printer driver, the screenshots shown here may differ somewhat from that of the actual printer driver.
- * Refer to the Instruction Manual for Windows regarding items that are not explained in this Instruction Handbook.

2-1 Making printing and property settings

1

Start up Windows.

2

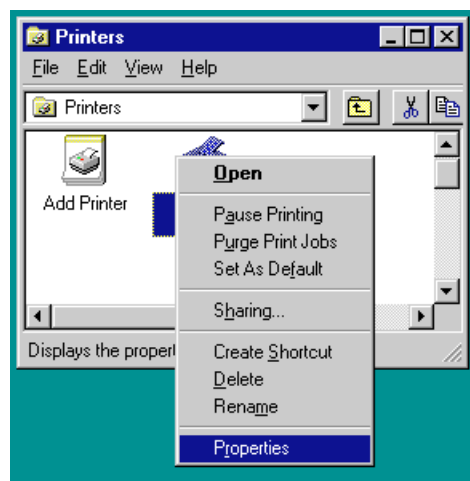
Click on [Start] in the Task Bar.
The [Start] menu will be displayed.

3

Use the mouse to point to [Settings] and click on [Printers] in the submenu that is displayed. The [Printers] folder will open.

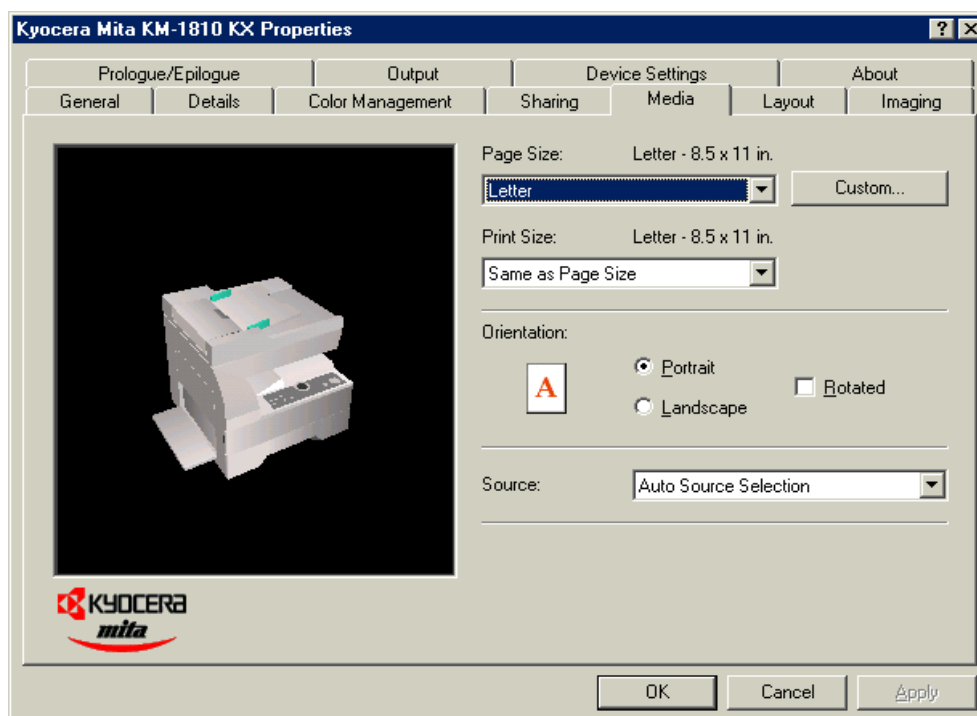
4

Use the right mouse button to click on the icon for this printer. A pop-up menu will be displayed.
Select [Properties] from the menu.
The Properties window will open.



2. Windows KX Driver

2-2 Media Tab



■ Paper Size:

Allows you to select a standard size of paper or an envelope size.
The following sizes of paper or envelope can be used with this printer.

Standard-size paper sheet	Letter (8-1/2" x 11"), Legal (8-1/2" x 14"), Statement (5-1/2" x 8-1/2"), A4, A5, A6, JIS B5, JIS B6 and Folio
Envelope	COM-10, Monarch, DL and C5

■ Custom...

Click on this button when you want to print onto a non-standard size of paper. The "Custom Paper Size" dialog box will appear. Refer to "2-2-1 Custom Paper Size dialog box" on page 2-3 for more detailed information.

■ Print Size:

Allows you to select the size of the printed image. The image size will be enlarged or reduced according to difference in the setting made here and in the "Page Size" field.

■ Orientation:

Sets the orientation of printing.

[Portrait] The image will be printed vertically.

[Landscape] The image will be printed horizontally.

[Rotated] Select this checkbox by clicking on it and putting a check mark in the box in order to have the image printed upside-down.

■ Source:

You can select the source of paper feed according to the desired tray. Selection is possible from among the following items. If you select "Auto Source Selection", the printer will automatically choose the tray that contains the most appropriate paper for the job. The factory default setting is "Auto Source Selection".

Tray	Auto Source Selection, Tray 1, Tray 2, Bypass Tray
------	--

* Tray 2 is available only when the Option Cassette is installed.

2. Windows KX Driver

2-2-1 Custom Paper Size dialog box

■ Setting a custom paper size

Perform the following procedure in order to register a custom size when you want to print onto a non-standard size of paper. The information registered here will be displayed under the "Page Size" setting in the Media Tab as well as in the Paper Size setting of your application. If you want to register a new custom paper size, click on the "Add" button. The "Edit Paper Size" dialog box will appear.

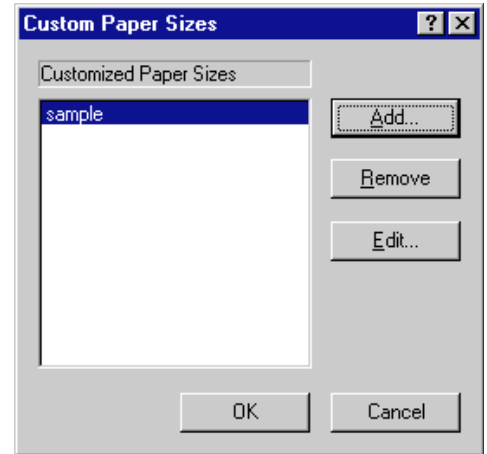
1

If you want to change a previously registered paper size, click on the registered size to select it and then click on the "Edit" button.

If you want to delete a registered paper size, click on the desired size to select it and then click on the "Remove" button.

Type into the "Name" field the name you want to use for this custom size of paper.

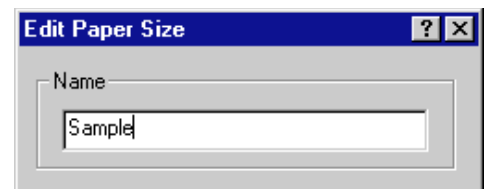
* It is the name that you register here that will actually be displayed under the "Page



2

Size" setting.

Select the desired unit of measurement in the "Units" block and the desired dimensions of the paper in the "Size" block.



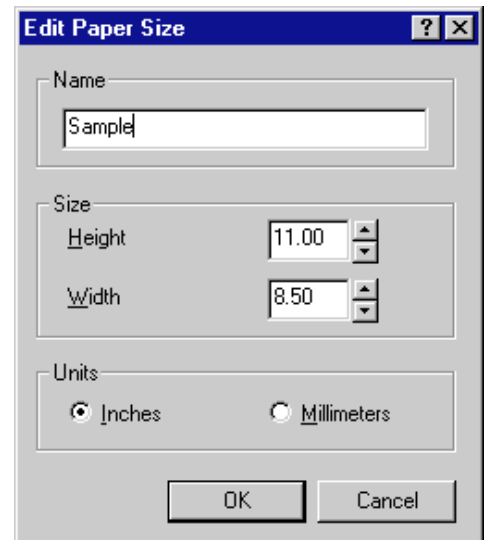
3

<Available settings>

Units: "Inches" or "Millimeters"

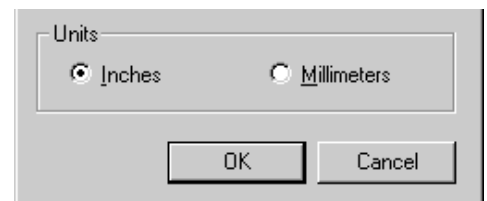
Height: 5.83 - 14.00 [Inches]
148.1 - 355.6 [Millimeters]

Width: 3.88 - 8.50 [Inches]
98.5 - 215.9 [Millimeters]



4

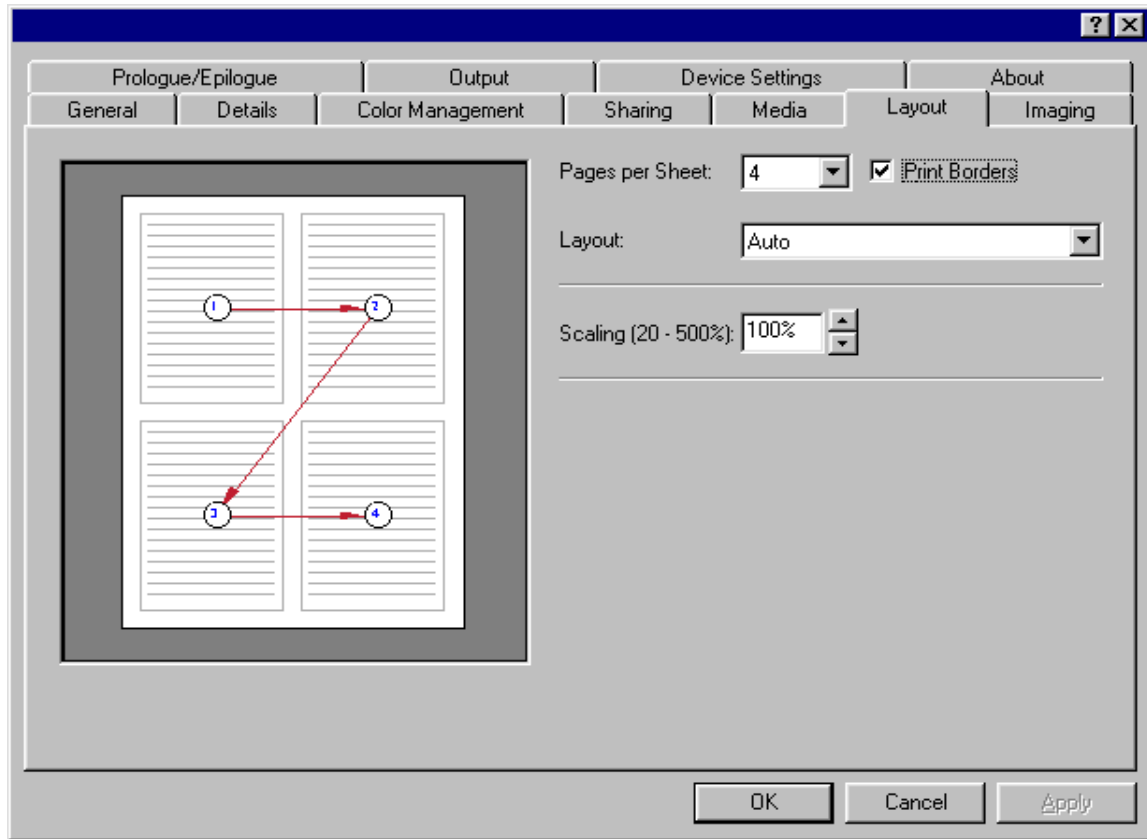
Click on the "OK" button. The "Custom Paper Sizes" dialog box will appear once again. Click on the "OK" button.



5

2. Windows KX Driver

2-3 Layout Tab

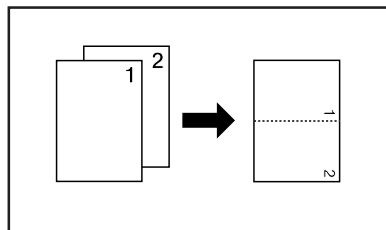


■ Pages per Sheet:

Allows you to print reduced images of multiple (1, 2, 4, 6, 9, 16 or 25) pages onto a single sheet of paper. This function is called “N-Up” printing (where “N” equals the number of image pages). Reduction of the images is calculated automatically so that all of the selected pages fit onto the single sheet of paper. The factory default setting is “1” (one page to each sheet of paper).

Example: With 2-Up printing

Prints reduced images of 2 full pages onto a single sheet of paper.



■ Print Borders

Prints border lines between the different images when the “Pages per Sheet” function is selected.

■ Layout

Specifies the order of display of the images when the “Pages per Sheet” function is selected.

■ Scaling

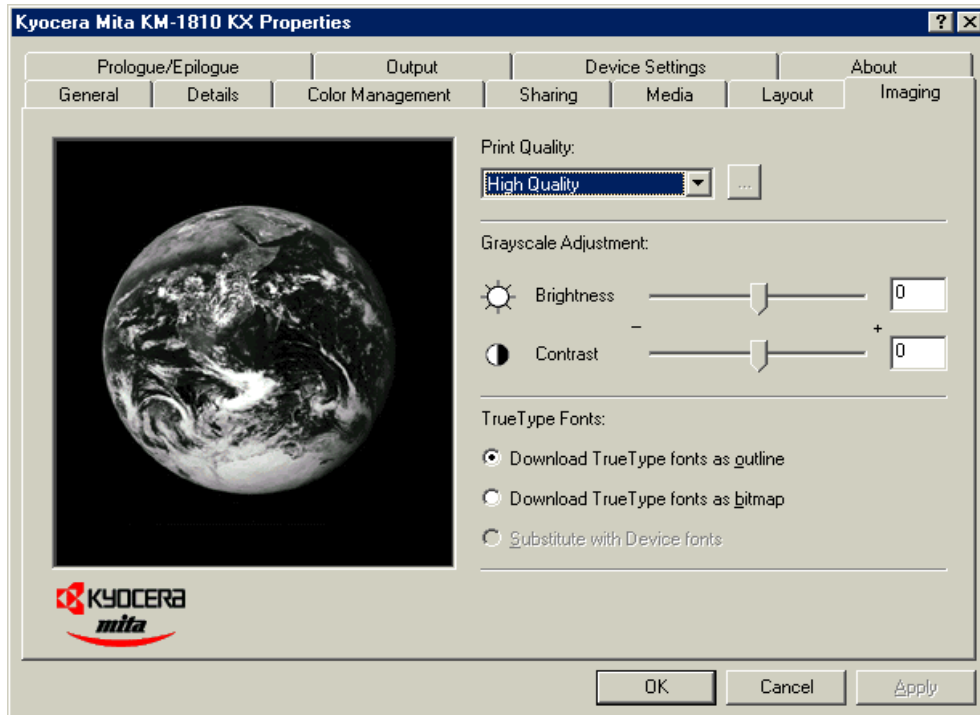
Allows enlargement or reduction of the image size.

Note

The image size will normally be enlarged or reduced according to the difference in the setting made in the “Page Size” and “Print Size” fields. If you then change the setting here, the actual magnification will be based on the original settings and the image may be even further enlarged or reduced.

2. Windows KX Driver

2-4 Imaging Tab



■ Print Quality

Selects the quality at which printing will be accomplished.

[High Quality] Enables printing at the highest quality possible for the printer being used.

[Draft] Saves on toner use. use this setting when quality printing is not needed such as with test prints.

[Custom...] Allows you to perform settings related to the quality of printing. Select "Custom" and then click on the "... " button to the right of that field in order to access the "Print Quality Settings" dialog box. For more detailed information on making settings in this dialog box, refer to "2-4-1 Print Quality Settings dialog box" on page 2-5.

■ Grayscale Adjustment

Adjusts the brightness and contrast of the printed image. The factory default for both settings is "0".

[Brightness] Adjusts the brightness of the image. When you want to print the image brighter than the actual original, drag the slider towards the plus "+" sign, or type in a positive number directly into the field at the right of the slider bar. Conversely, when you want to print the image darker than the actual original, drag the slider towards the minus "-" sign, or type in a negative number directly into that field.

[Contrast] Adjusts the contrast of the image. When you want to print at a sharper image contrast, drag the slider towards the plus "+" sign, or type in the desired value (a positive number) directly into the field at the right of the slider bar. Conversely, when you want to print at a softer image contrast, drag the slider towards the minus "-" sign, or type in a negative number directly into that field.

■ TrueType Fonts

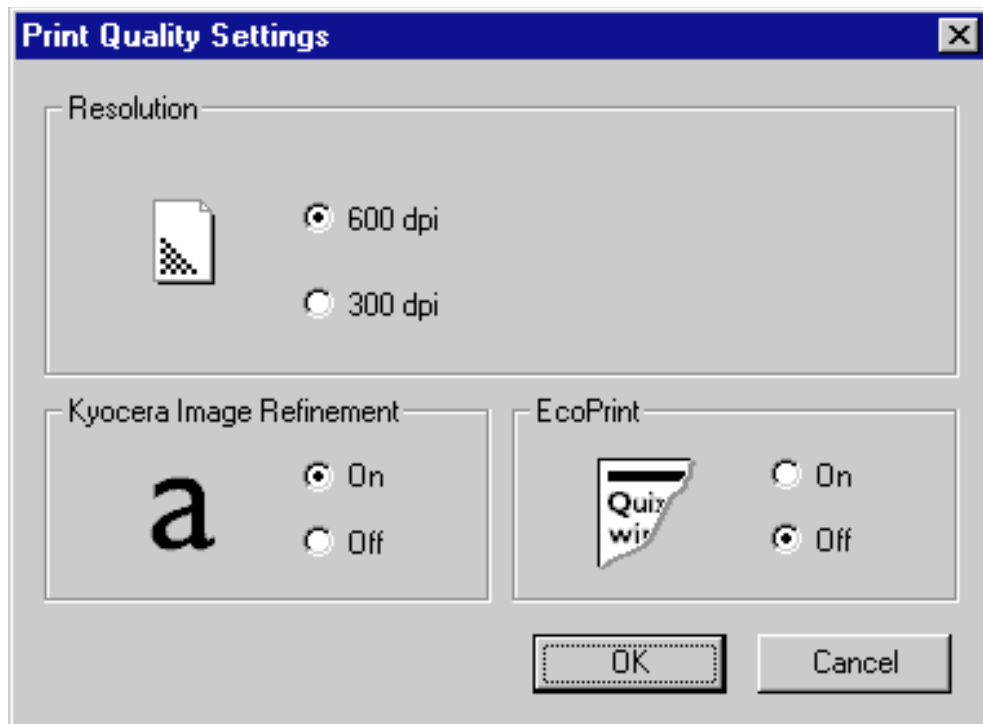
Selects the method of printing with fonts. The factory default setting is "Download TrueType fonts as outline".

[Download TrueType fonts as outline] TrueType fonts will be downloaded to the printer as outline fonts for printing.

[Download TrueType fonts as bitmap] TrueType fonts will be downloaded to the printer as bitmap fonts for printing.

2. Windows KX Driver

2-4-1 Print Quality Settings dialog box



- **Resolution**

Specifies the printing resolution (number of dots per inch) to be used when printing. Select between "600 dpi" and "300 dpi".

- **Kyocera Image Refinement**

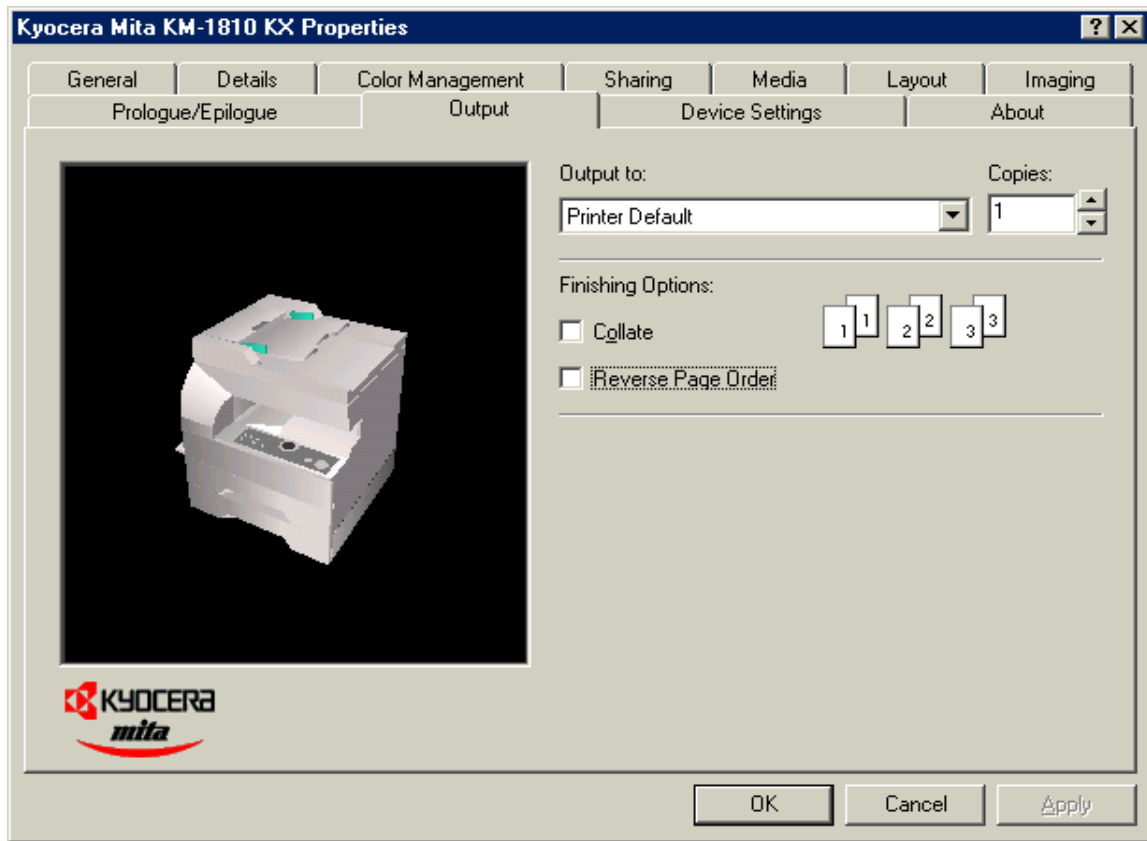
Turning this setting "On" allows the jaggies that appear around the edge of text and graphics to be evened out through the smoothing process.

- **EcoPrint**

Saves on toner use. use this setting when quality printing is not needed such as with test prints.

2. Windows KX Driver

2-5 Output Tab



■ Copies

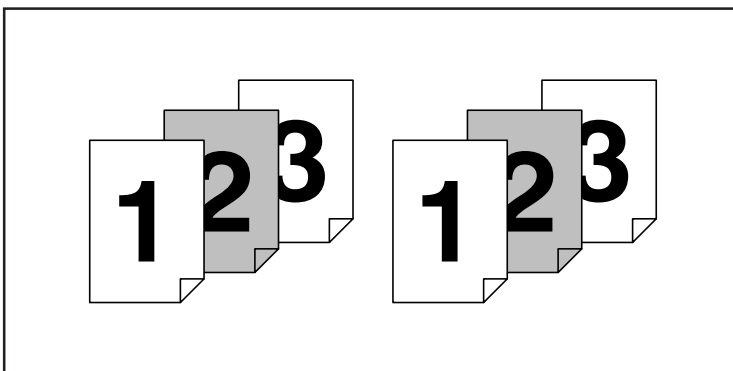
Specifies the number of prints to be made. Select between 1 and 999 copies by clicking on the arrows at the right of the field or by typing the desired number directly into the field. The factory default setting is "1".

■ Collate

When you are printing more than one copy of one or more pages, it is possible to sort the printed copy sets.

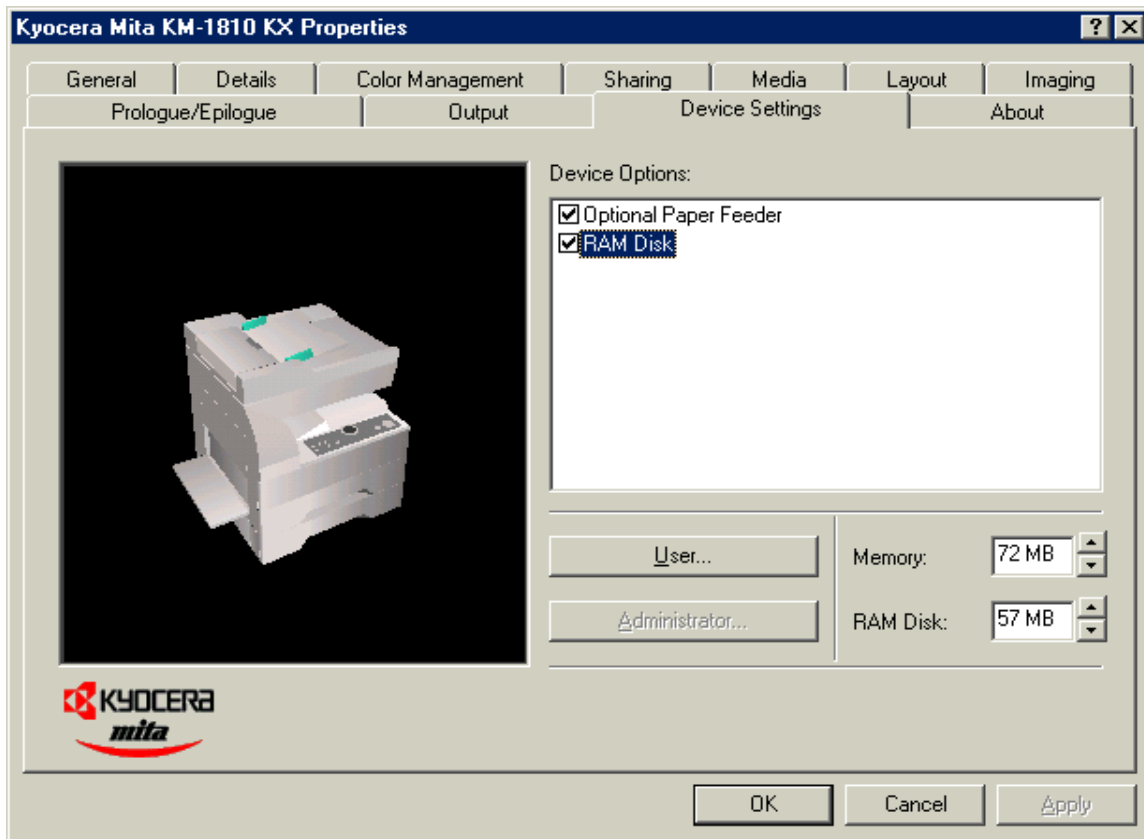
*It is necessary to create a RAM disk. (Refer to "RAM disk" on page 2-8)

Example: If the "Collate" option is selected, it is possible to print out 2 sets of the same copies.



2. Windows KX Driver

2-6 Device Settings Tab



■ Device Options

Select and installed options here. Once you have completed the setting for each option, the functions of that option will be available for use.

● Optional Paper Feeder

Perform this setting according to the installed Option Cassette.

● RAM Disk

Perform this setting when you want to create a RAM disk. Refer to "Chapter 1, 2-2 RAM Disk" on page 2-1 for more detailed information on creating a RAM disk.

* In order to create a RAM disk, it is necessary to increase the memory capacity of your printer. After increasing memory, perform the setting here according to the "Memory" setting below.

■ Memory

Specifies the amount of memory installed in the printer. If you make a mistake in the setting here, it is possible that printing will not be accomplished properly.

■ RAM Disk

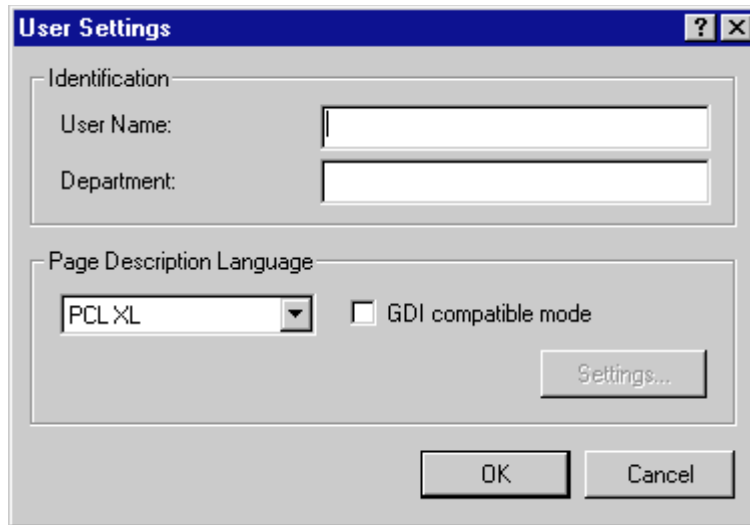
Specifies the amount of memory to be used for the RAM disk. This setting will only be available when you have selected "RAM Disk" in the "Device Options" list.

■ User...

Click on this button when you want to register a user and/or department name. The [User Settings] dialog box will appear. It is also possible to select the "GDI compatible mode" from that dialog box. Refer to "2-6-1 User Settings" on page 2-9 for more detailed information.

2. Windows KX Driver

2-6-1 User Settings

The image shows a Windows-style dialog box titled "User Settings". It has a blue title bar with a question mark icon and a close button. The dialog is divided into two main sections. The first section, "Identification", contains two text input fields: "User Name:" and "Department:". The second section, "Page Description Language", contains a dropdown menu currently set to "PCL XL" and a checkbox labeled "GDI compatible mode". A "Settings..." button is located to the right of the checkbox. At the bottom of the dialog are "OK" and "Cancel" buttons.

■ **Identification**

Register the desired user and/or department name.

■ **Page Description Language**

The emulation modes that can be used with this product will be displayed in the dropdown list. If multiple modes are displayed, it is possible to select the desired mode.

When using the KPDL emulation, select the KPDL.

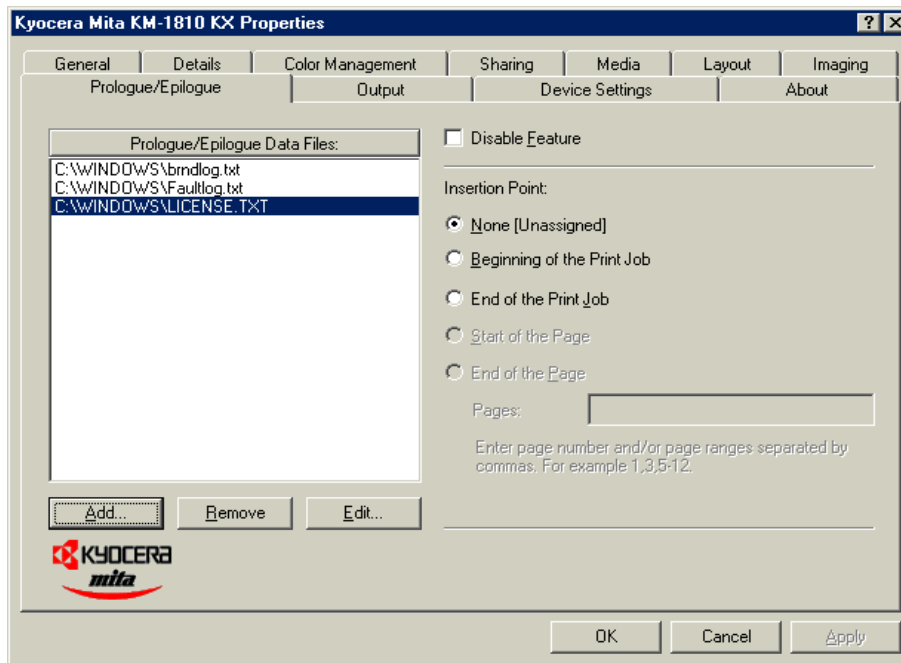
* the "Settings..." button can be when selecting KPDL. Particular function of Post Script Printer is available for KPDL dialogue that is appeared by selecting the "Settings..." button.

■ **GDI compatible mode**

Select this mode in order to accomplish printing that is more accurate to the data shown on your monitor. Select this mode if text corruption, etc., does happen to occur or if the image is in any other way not printed correctly.

2. Windows KX Driver

2-7 Prologue/Epilogue Tab



■ Disable Feature

Make sure there is NO check mark in this checkbox if you want to use the printer's overlay function. The overlay function will allow you to have selected macro data printed out on top of your documents.

■ Add

Click on this button when you want to add the data of the file that is selected in the displayed list.

■ Remove

Click on this button when you want to delete the selected file from the list.

■ Edit

Click on this button when you want to edit the contents of the selected file.

Insertion point:

By REMOVING the check mark from the checkbox next to [Disable Feature], select a registered file from the list and click on the [Add] button, the following settings will become available.

■ None [Unassigned]

Print without using registered files.

■ Beginning of the Print Job

The data for the selected file will be transmitted once, and embedded at the beginning of the print job data.

■ End of the Print Job

The data for the selected file will be transmitted once, and embedded at the end of the print job data.

■ Start of the Page

In the case of a multiple-page print job, the data for the selected file will be transmitted (embedded) at the beginning of the data for each page.

■ End of the Page

In the case of a multiple-page print job, the data for the selected file will be transmitted (embedded) at the end of the data for each page.

■ Pages

When [Start of the Page] or [End of the Page] are selected, designate the desired page number here.

3. Printer Driver for Macintosh

When using unit as a network printer, it is possible to print PostScript files from a Macintosh Computer. This section contains explanations regarding the procedure to install the Macintosh PPD files and select this printer, as well as explanation about the computer environment required to run the installed files.

Attention (Macintosh)

* When using the Printer driver, change the emulation setting KPDL or KPDL (AUTO).

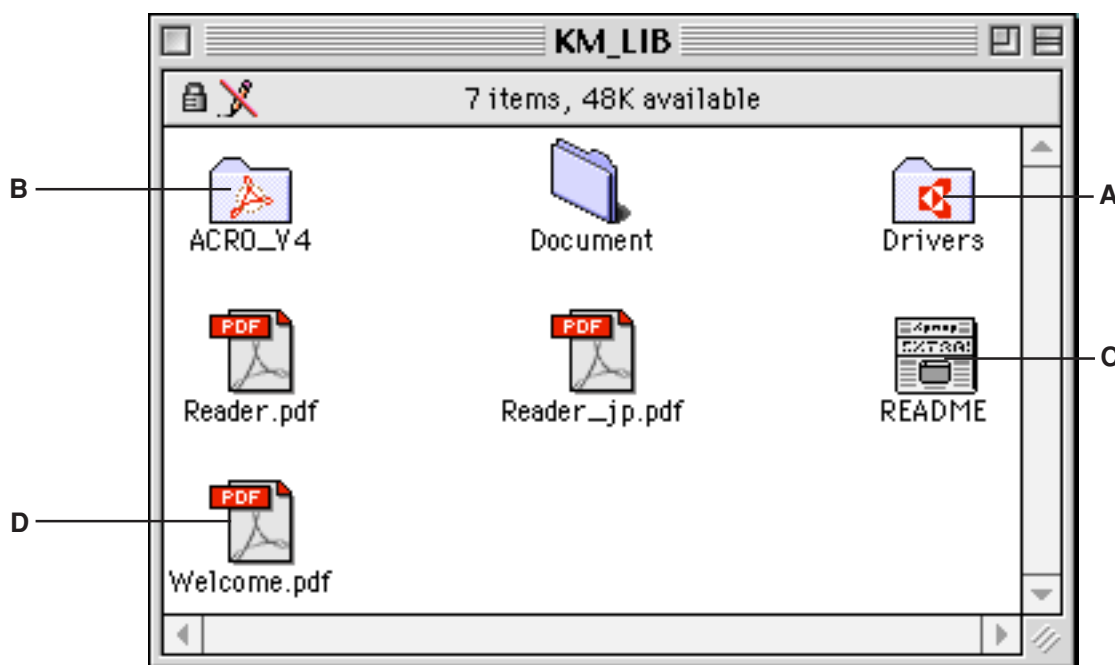
3-1 Required computer environment

OS:	Between system 7.61 and 9.1
CPU:	Minimum Power PC
RAM:	Minimum 24 MB
Free hard disk space:	Minimum 10 MB
CD-ROM drive:	1 drive

3-2 Installing the PPD files

This section explains the screen that appears when the CD-ROM supplied with the Printing System (M) is inserted into the CD-ROM drive.

* All the screens to use for explanation are samples, and a screen may be different by a version of utilized software to some extent.



A: [Install Drivers]

The installer by country and by language is supplied in this folder.

B: [ACRO_V4]

The installer of Adobe Acrobat Reader is supplied in folder.

C: [README]

This file contains information which is not explained in the manuals. Please read this file before using the printer driver.

D: [Welcome.pdf]

Kyocera Mita Digital Library screen will appear. Click the available model on screen. The online manual (PDF File) will appear. Installation and operation procedure for printer driver is explained in online manual. It is necessary to install the Adobe Acrobat Reader in advance to appear the online manual.

1

Start up your Macintosh computer.

Insert the CD-ROM disk that is included with this product into a CD-ROM drive.

*If there is starting other program, please be finished.

*Screens are things of Mac OS 8.1.

3. Printer Driver for Macintosh

- 2

Double-Click on the icon for the CD-ROM disk.
The content of the CD-ROM will be displayed.
- 3

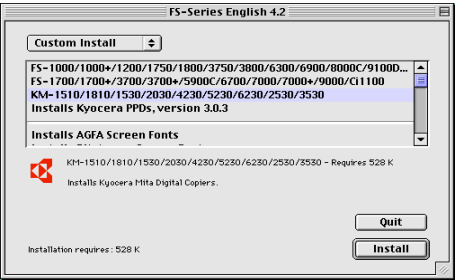
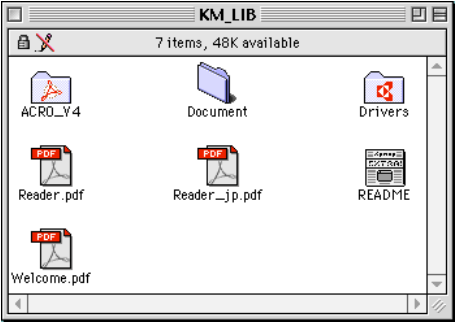
The installer by country and by language is supplied in "Driver" folder.
Double-Click the available driver installer to start. The installation screen will appear.
- 4

Click on "Continue".
- 5

A The notice for installation will appear.
Read the notice, and click "Continue".
- 6

Select the available model, and click on "Install". Installation is started.
- 7

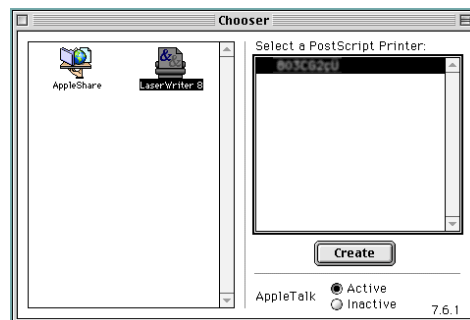
Installation was finished. Click on "Quit" to finish the installation completely.



3. Printer Driver for Macintosh

8

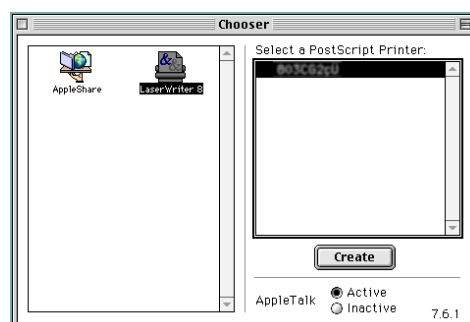
Access the Apple Menu at the far left of the Menu of Bar and select Chooser. The Chooser will appear. Click once on the LaserWriter 8 icon.



9

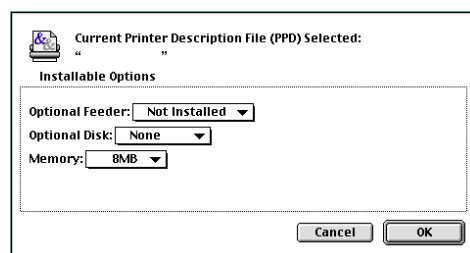
Select the name of this printer in the [Select a PostScript Printer] list and then click on the [Create] button.

* The name of this printer can be verified by printing out a Status Page from the printer's operation panel.



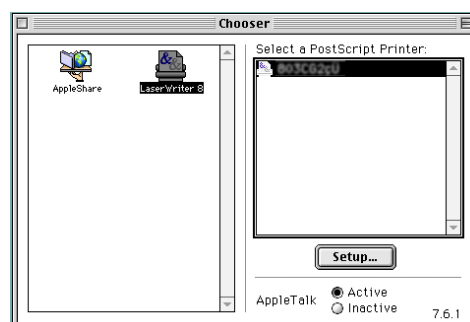
10

A dialog box for selecting the appropriate options will appear. Select the option that are currently installed in or on your printer.



11

Once you're finished with the settings, click on [OK], the chooser will be displayed again.



12

Make sure that the name of this printer is selected (highlighted) in the "Select a PostScript Printer" list and close the Chooser.

3. Printer Driver for Macintosh

3-3 General Dialog Box

*The actual layout of each dialog box and the available option and settings may differ somewhat depending upon the application and version of LaserWriter that you are using.

Printer: Destination:

General

Copies:

Pages: ☒ All ☐ From: To:

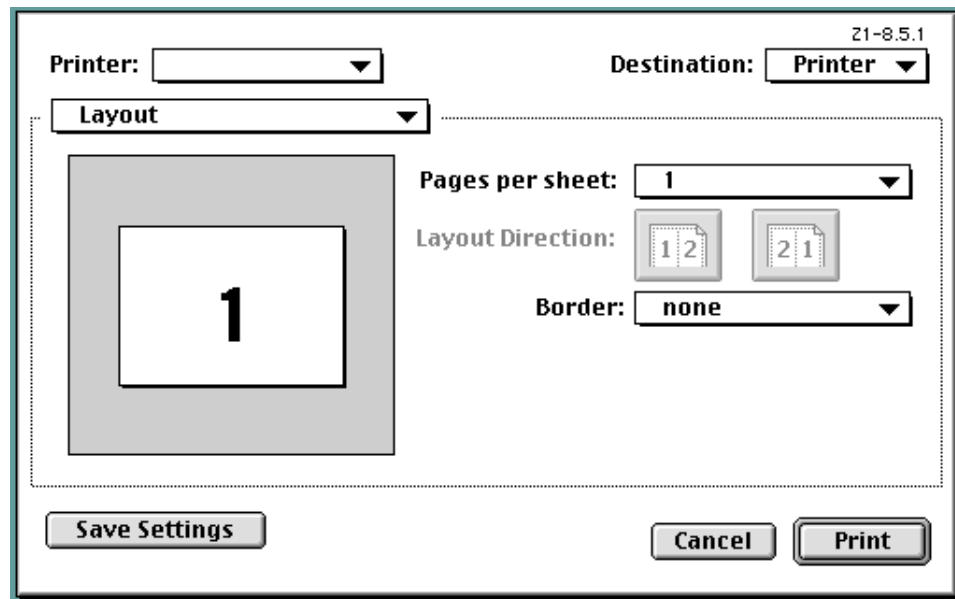
Paper Source: ☒ All pages from: ☐ First page from:

Remaining from:

- **Printer:**
Selects the desktop printer to be used for printing your document.
- **Copies:**
Type the desired number of prints to be made (or the number of files to be saved to disk) directly into this field.
Select a number between 1 - 999.
- **Pages:**
To print all of the pages in a file, select the All radio button. To print only certain pages, type in from what page (in the From field) to what page (in the To field) you want to print.
- **Paper Source:**
Select the desired location of paper feed from the dropdown list. The factory default setting is "Auto Select".
* It is necessary to perform the settings under "Page Policy" on page 3-6 BEFORE making settings here. If you want to select the source of paper feed according to the tray, make sure that "Cassette Base" is selected there. If you select "Auto Select" here, be sure that the "Page Policy" setting is set to "Auto Size Select" or there is a possibility that printing will be accomplished onto paper that is difference the expected.

3. Printer Driver for Macintosh

3-4 Layout Dialog Box



- **Pages per sheet:**
Sets the number of pages to be printed on each sheet of paper.
- **Layout Direction:**
A button of either is clicked, and a layout direction is decided. If right button is selected, the pages are laid out from right to left.
- **Border:**
Sets the type of line to appear around the page.

3. Printer Driver for Macintosh

3-5 Printer Specific Options

Printer: Destination:

Printer Specific Options

Resolution:

Smoothing:

PagePolicy:

Sort:

PPD Version:

■ Resolution:

Specifies the printing resolution (number of dots per inch) to be used when printing. Select between “600 dpi” and “300 dpi”. The factory default setting is “600 dpi”.

■ Smoothing:

Turning this setting “On” allows the jaggies that appear around the edge of text and graphics to be evened out through the smoothing process.

■ PagePolicy:

Perform this setting in conjunction with the settings to be made under “Paper source” on page 3-4.

[Auto Size Select] Select this setting when you want to select “Auto Select” under “Paper source”.

[Cassette Base] Select this setting when you want to select the source of paper feed according to the tray under “Paper source”.

* If you are going to select “Auto Select” under “Paper source”, be sure to select “Auto Size Select” here or there is a possibility that printing will be accomplished onto paper that is difference the expected.

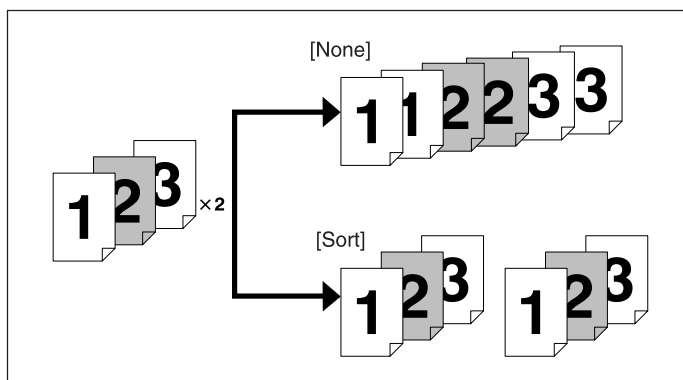
■ Sort:

Allows you to select whether to sort the copies in the case of multiple copy.

[Off] Does not sort.

[On] Prints in the order of 1st, 2nd, 3rd copies and so on.

* It is necessary to create a RAM disk. (Refer to step 10 on page 3-3.)



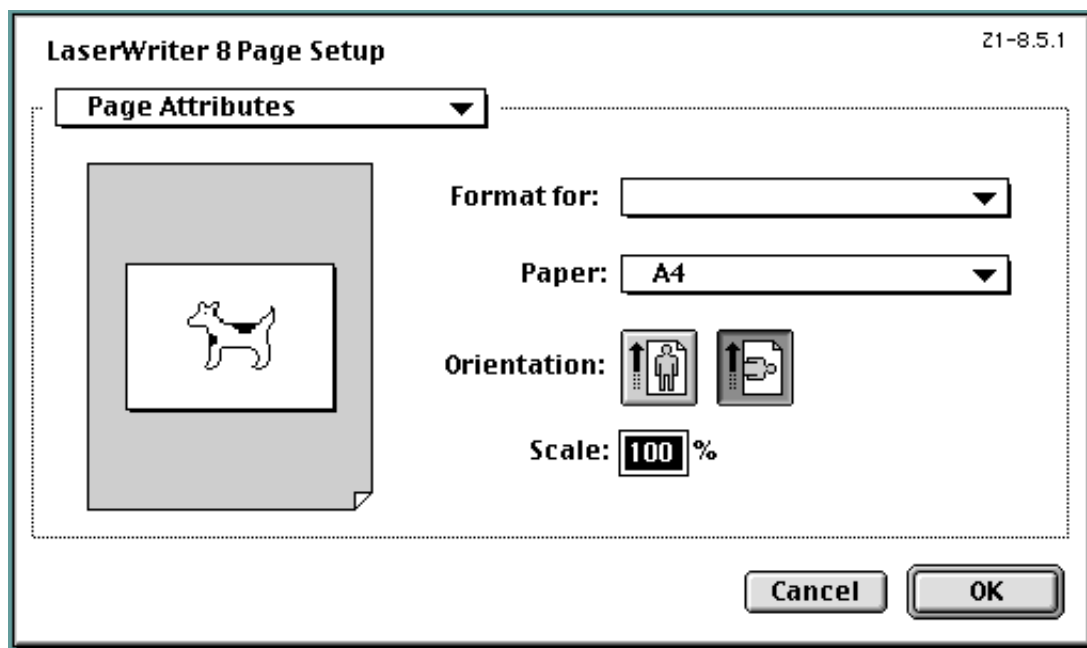
3. Printer Driver for Macintosh

3-6 Page Setup dialog Dialog Box

Settings for paper size, page layout, magnification ratio and print direction (orientation) are performed in the **Page Setup** dialog box. To display the **Page Setup** dialog box, select **Page Setup...** in the **File** menu of the corresponding application.

* The actual layout of each dialog box and the available options and settings may differ somewhat depending upon the application and the version of **LaserWriter** that you are using.

* For the user using **Mac OS 7.6.1**, we strongly recommend that you update the **LaserWriter8.3.2** to **Laser Writer 8.5.1**.



■ **Format for:**

Use this pop-up menu to select the Printer that you want to use.

■ **Paper:**

Select in this pop-up list the desired paper size. Choose from among Letter, Legal, Folio, Statement, A4, Custom, A5, A6, B5(JIS), B6(JIS) and Envelopes (Monarch, Com 10, DL, C5)

* ALWAYS use the multi-bypass to feed the following sizes: A6, B5(JIS), B6(JIS), Envelopes (Monarch, Com 10, DL, C5)

■ **Orientation:**

Enable selection of the desired print direction.

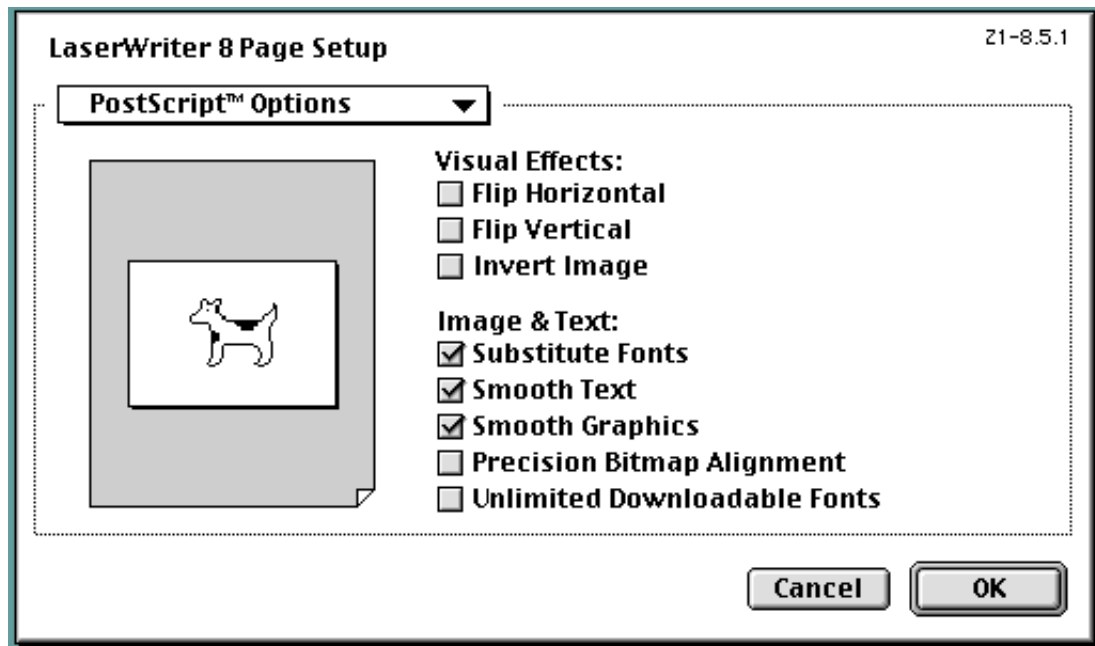
■ **Scale:**

Type the desired magnification ratio directly into this field. Select a ratio between 25% - 400%.

3. Printer Driver for Macintosh

3-7 PostScript Dialog Box

The actual layout of each dialog box and the available options and settings may differ somewhat depending upon the application and the version of **LaserWriter** that you are using.



■ **Visual Effects:**

Visual effects such as horizontal and vertical flip and image inverting can be selected here. Place a check in the check box next to the desired visual effects to select that effect.

■ **Image & Text:**

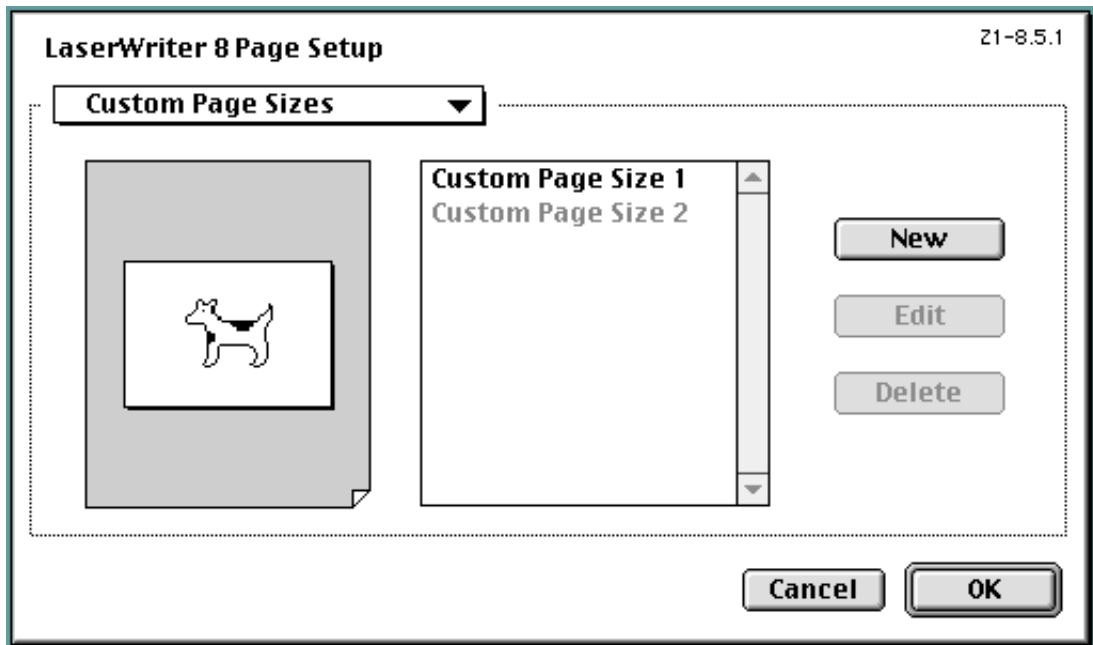
Place a check in the check box next to the desired printing options to select that option.

3. Printer Driver for Macintosh

3-8 Custom paper sizes Dialog Box

When a paper size is selected in "Custom paper sizes" Dialog Box, the paper size can be set as desired.

* The actual layout of each dialog box and the available options and settings may differ somewhat depending upon the application and the version of LaserWriter that you are using.



■ New button

To create a new custom page size, click this button.

* The acceptable paper width is between 9.81 - 21.59 cm (metric) or 3.86" - 8.5" (inches). The acceptable paper length is between 14.82 - 35.56 cm (metric) or 5.83" - 14" (inches).

■ Edit button

To edit the selected custom page size, click this button.

■ Delete button

To delete the selected custom page size, click this button.