## Safety Information

Read this 'Safety Information' carefully before you use this machine and keep it handy for future reference.

For safety, please follow the instructions in this manual.

When using your machine, the following safety precautions should always be followed.

#### Introductions

The included electric manual (CD) describes detailed instruction and notes about the use of this manual. To get maximum versatility from this machine all operators are requested to read the included electric manual (CD) carefully and follow the instructions. Please keep this manual in a handy place near the machine.

#### Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

#### Notes:

For good print quality, the supplier recommends that you use genuine master and ink from the supplier.

The supplier shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the supplier with your office products.

#### **Safety During Operation**

In this manual, the following important symbols are used:

#### A WARNING:

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

#### A CAUTION:

Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

#### A WARNING:

- Do not damage, break or make any modifications to the power cord. Do not place heavy objects on it. Do not pull it hard nor bend it more than necessary. These actions could cause an electric shock or fire.
- Disconnect the power plug (by pulling the plug, not the cable) if the power cable or plug becomes frayed or otherwise damaged.
- To avoid hazardous electric shock, do not remove any covers or screws other than those specified in this manual.
- Turn off the power and disconnect the power plug (by pulling the plug, not the cable) if any of the following occurs:
  - You spill something into the machine.
  - You suspect that your machine needs service or repair.
  - The external housing of your machine has been damaged.
- Keep the machine away from flammable liquids, gases, and aerosols. A fire or an electric shock might occur.
- Connect the power cord directly into a wall outlet and never use an extension cord.
- Only connect the machine to the power source described in the manual.
- Disposal can take place at our authorized dealer or at appropriate collection sites.

#### A CAUTION:

- After you move the machine, use the caster fixture to fix it in place. Otherwise the machine might move or come down to cause an injury.
- If you use the machine in a confined space, make sure there is a continuous air turnover.
- Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur.
- Protect the machine from dampness or wet weather, such as rain and snow.
- Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.
- Unplug the power cord from the wall outlet before you move the machine. While moving the machine, you should take care that the power cord will not be damaged under the machine.
- When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).
- Do not allow paper clips, staples, or other small metallic objects to fall inside the machine.
- For environmental reasons, do not dispose of the machine or expended supply waste at household waste collection points. Disposal can take place at an authorized dealer.
- When disposing of a used ink container, reattach the cap to prevent ink from splattering.
- Be careful not to get ink on your clothes when replacing an ink container. Ink stains on clothes are hard to remove.
- Be careful not to cut yourself on any sharp edges when you reach inside the machine to remove misfed sheets of paper or masters.
- If ink comes into contact with your eyes, rinse immediately in running water. For other symptoms, consult a doctor.
- Keep the ink or ink container out of reach of children.
- If ink is ingested, induce vomiting by drinking a strong saline solution. Consult a doctor immediately.
- If your skin comes into contact with ink, wash the affected area thoroughly with soap and water.
- While printing, do not touch the belt at the end of the paper delivery tray. Otherwise, an injury might occur.
- Our products are engineered to meet the high standards of quality and functionality, and we recommend that you only use the expendable supplies available at an authorized dealer.

# User Information on Electrical & Electronic Equipment

#### Users in the EU, Switzerland and Norway

Our Products contain high quality components and are designed to facilitate recycling.

Our products or product packaging are marked with the symbol below.



The symbol indicates that the product must not be treated as municipal waste. It must be disposed of separately via the appropriate return and collection systems available. By following these instructions you ensure that this product is treated correctly and help to reduce potential impacts on the environment and human health, which could otherwise result from inappropriate handling. Recycling of products helps to conserve natural resources and protect the environment.

For more detailed information on collection and recycling systems for this product, please contact the shop where you purchased it, your local dealer or sales/service representatives.

#### All Other Users

If you wish to discard this product, please contact your local authorities, the shop where you bought this product, your local dealer or sales/service representatives.

### Where to Put Your Machine

#### **Machine Environment**

Your machine's location should be carefully chosen because environmental conditions greatly affect its performance.

#### Optimum environmental conditions

#### A CAUTION:

- Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur.
- Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.

#### A CAUTION:

 Make sure the room where you are using the machine is well ventilated and spacious. Good ventilation is especially important when the machine is used heavily.

#### A CAUTION:

- After you move the machine, use the caster fixture to fix it in place. Otherwise the machine might move or come down to cause an injury.
- Temperature: 10 30°C, 50 86°F
- Humidity: 20 90% RH
- A strong and level floor.
- The machine must be level within 5 mm, 0.2" both front to rear and left to right.

#### Environments to avoid

- Locations exposed to direct sunlight or strong light (more than 1500 lux).
- Locations directly exposed to cool air from an air conditioner or heated air from a heater (sudden temperature changes might cause condensation within the machine).
- Places where the machine might be subjected to frequent strong vibration.
- Dusty areas.
- Areas with corrosive gases.

#### Moving

#### A CAUTION:

Unplug the power cord from the wall outlet before you move the machine. While moving the machine, you should take care that the power cord will not be damaged under the machine.

#### ∰Important

- □ When moving the machine, the following precautions should always be followed:
  - Turn off the main power.
  - Unplug the power cord from the wall outlet. When you do, grip the plug to avoid damaging the cord and causing fire or electric shock.
  - Close all covers and trays including the front cover.

#### Limitation

- □ Carefully move the machine. If you do not, the machine might be damaged or a stored file might be deleted.
- □ Avoid any strong shock to the machine. This could damage the hard disk and cause stored files to be deleted. For precautionary reasons, files should be copied to another local computer.

#### **Power Connection**

#### A WARNING:

- Connect the power cord directly into a wall outlet and never use an extension cord.
- Connect the machine only to the power source described on the inside front cover of this manual.
- Do not damage, break or make any modifications to the power cord. Do not place heavy objects on it. Do not pull it hard nor bend it more than necessary. These actions could cause an electric shock or fire.

#### A CAUTION:

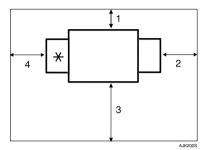
• Unplug the power cord from the wall outlet before you move the machine. While moving the machine, you should take care that the power cord will not be damaged under the machine.

#### A CAUTION:

- When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).
- The socket-outlet shall be installed near the machine and shall be easily accessible.
- Voltage must not fluctuate more than 10%.

#### Access to the Machine

Place the machine near the power source, providing the clearance areas as shown.



- \* Paper delivery tray
- 1. More than 10 cm, 4.0"
- 2. More than 60 cm, 23.7"
- 3. More than 60 cm, 23.7"
- 4. More than 60 cm, 23.7"

#### 🖉 Note

□ For the required space when options are installed, contact your service representative.

## Symbols

In accordance with IEC 60417, this machine uses the following symbols for the main power switch:

- | means POWER ON.
- O means POWER OFF.

## CE

Declaration of Conformity

"The Product complies with the requirements of the EMC Directive 89/336/EEC and its amending directives and the Low Voltage Directive 73/23/EEC and its amending directives."

#### Notice To Wireless LAN Interface (optional) Users (if applicable)

## €€

Notice to Users in EEA Countries

This product complies with the essential requirements and provisions of Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

The CE Declaration of Conformity is available on the Internet at URL:

http://www.ricoh.co.jp/fax/ce\_doc/

Outdoor use of this product is prohibited in France and Italy.

### **Copyrights and Trademarks**

#### Trademarks

 $Microsoft^{\circledast}, Windows^{\circledast} \text{ and } Windows NT^{\circledast} \text{ are registered trademarks of } Microsoft Corporation in the United States and/or other countries.}$ 

Adobe<sup>®</sup>, PostScript<sup>®</sup>, Acrobat<sup>®</sup> and PageMaker<sup>®</sup> are registered trademarks of Adobe Systems Incorporated.

AppleTalk, Apple, Macintosh and Mac OS are registered trademarks of Apple Computer, Incorporated.

IPS-PRINT<sup>TM</sup> Printer Language Emulation Copyright<sup>©</sup> 2000, Oak Technology, Inc., All Rights Reserved.

Other product names used herein are for identification purposes only and might be trademarks of their respective companies. We disclaim any and all rights to those marks.

The proper names of the Windows operating systems are as follows:

- The product name of Windows<sup>®</sup> 95 is Microsoft<sup>®</sup> Windows<sup>®</sup> 95
- The product name of Windows<sup>®</sup> 98 is Microsoft<sup>®</sup> Windows<sup>®</sup> 98
- The product name of Windows<sup>®</sup> Me is Microsoft<sup>®</sup> Windows<sup>®</sup> Millennium Edition (Windows Me)
- The product name of Windows<sup>®</sup> 2000 are as follows: Microsoft<sup>®</sup> Windows<sup>®</sup> 2000 Server Microsoft<sup>®</sup> Windows<sup>®</sup> 2000 Professional
- The product name of Windows<sup>®</sup> XP are as follows: Microsoft<sup>®</sup> Windows<sup>®</sup> XP Professional Microsoft<sup>®</sup> Windows<sup>®</sup> XP Home Edition
- The product names of Windows Server<sup>TM</sup> 2003 are as follows: Microsoft<sup>®</sup> Windows Server<sup>TM</sup> 2003 Standard Edition Microsoft<sup>®</sup> Windows Server<sup>TM</sup> 2003 Enterprise Edition Microsoft<sup>®</sup> Windows Server<sup>TM</sup> 2003 Web Edition
- The product name of Windows<sup>®</sup> NT are as follows: Microsoft<sup>®</sup> Windows NT<sup>®</sup> Server 4.0 Microsoft<sup>®</sup> Windows NT<sup>®</sup> Workstation 4.0

#### Information about Installed Software

#### expat

- The software including controller, etc. (hereinafter "software") installed on this product uses the expat Version 1.95.2 (hereinafter "expat") under the conditions mentioned below.
- The product manufacturer provides warranty and support to the software of the product including the expat, and the product manufacturer makes the initial developer and copyright holder of the expat, free from these obligations.
- Information relating to the expat is available at: http://expat.sourceforge.net/

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Centre, Ltd. and Clark Cooper.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WAR-RANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPY-RIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIA-BILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#### NetBSD

1. Copyright Notice of NetBSD

For all users to use this product:

This product contains NetBSD operating system:

For the most part, the software constituting the NetBSD operating system is not in the public domain; its authors retain their copyright.

The following text shows the copyright notice used for many of the NetBSD source code. For exact copyright notice applicable for each of the files/binaries, the source code tree must be consulted.

A full source code can be found at http://www.netbsd.org/.

Copyright © 1999, 2000 The NetBSD Foundation, Inc.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- ① Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- ② Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- ③ All advertising materials mentioning features or use of this software must display the following acknowledgment: This product includes software developed by The NetBSD Foundation, Inc. and its contributors.
- ④ Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MER-CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DIS-CLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEM-PLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMIT-ED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CON-TRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTH-ERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### 2. Authors Name List

All product names mentioned herein are trademarks of their respective owners.

The following notices are required to satisfy the license terms of the software that we have mentioned in this document:

- This product includes software developed by the University of California, Berkeley and its contributors.
- This product includes software developed by Jonathan R. Stone for the NetB-SD Project.
- This product includes software developed by the NetBSD Foundation, Inc. and its contributors.
- This product includes software developed by Manuel Bouyer.
- This product includes software developed by Charles Hannum.
- This product includes software developed by Charles M. Hannum.
- This product includes software developed by Christopher G. Demetriou.
- This product includes software developed by TooLs GmbH.
- This product includes software developed by Terrence R. Lambert.
- This product includes software developed by Adam Glass and Charles Hannum.
- This product includes software developed by Theo de Raadt.
- This product includes software developed by Jonathan Stone and Jason R. Thorpe for the NetBSD Project.
- This product includes software developed by the University of California, Lawrence Berkeley Laboratory and its contributors.
- This product includes software developed by Christos Zoulas.
- This product includes software developed by Christopher G. Demetriou for the NetBSD Project.
- This product includes software developed by Paul Kranenburg.
- This product includes software developed by Adam Glass.
- This product includes software developed by Jonathan Stone.
- This product includes software developed by Jonathan Stone for the NetBSD Project.
- This product includes software developed by Winning Strategies, Inc.
- This product includes software developed by Frank van der Linden for the NetBSD Project.
- This product includes software developed for the NetBSD Project by Frank van der Linden.
- This product includes software developed for the NetBSD Project by Jason R. Thorpe.
- The software was developed by the University of California, Berkeley.
- This product includes software developed by Chris Provenzano, the University of California, Berkeley, and contributors.

#### Sablotron

Sablotron (Version 0.82) Copyright (c) 2000 Ginger Alliance Ltd. All Rights Reserve

a) The application software installed on this product includes the Sablotron software Version 0.82 (hereinafter, "Sablotron 0.82"), with modifications made by the product manufacturer. The original code of the Sablotron 0.82 is provided by Ginger Alliance Ltd., the initial developer, and the modified code of the Sablotron 0.82 has been derived from such original code provided by Ginger Alliance Ltd.

b) The product manufacturer provides warranty and support to the application software of this product including the Sablotron 0.82 as modified, and the product manufacturer makes Ginger Alliance Ltd., the initial developer of the Sablotron 0.82, free from these obligations.

c) The Sablotron 0.82 and the modifications thereof are made available under the terms of Mozilla Public License Version 1.1 (hereinafter, "MPL 1.1"), and the application software of this product constitutes the "Larger Work" as defined in MPL 1.1. The application software of this product except for the Sablotron 0.82 as modified is licensed by the product manufacturer under separate agreement(s).

d) The source code of the modified code of the Sablotron 0.82 is available at: ht-tp://support-download.com/services/device/sablot/notice082.html.

e) The source code of the Sablotron software is available at: http://www.gingerall.com.

f) MPL 1.1 is available at: http://www.mozilla.org/MPL/MPL-1.1.html.

#### JPEG LIBRARY

• The software installed on this product is based in part on the work of the Independent JPEG Group.

#### SASL

CMU libsasl

Tim Martin

Rob Earhart

Rob Siemborski

Copyright (c) 2001 Carnegie Mellon University. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- ① Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- ② Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- ③ The name "Carnegie Mellon University" must not be used to endorse or promote products derived from this software without prior written permission. For permission or any other legal details, please contact:

Office of Technology Transfer Carnegie Mellon University 5000 Forbes Avenue Pittsburgh, PA 15213-3890 (412) 268-4387, fax: (412) 268-7395 tech-transfer@andrew.cmu.edu

④ Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by Computing Services at Carnegie Mellon University (http://www.cmu.edu/computing/)."

CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH RE-GARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MEL-LON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSE-QUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CON-TRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

#### MD4

Copyright (C) 1990-2, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD4 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD4 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

#### MD5

Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

Copyright © 2006 Printed in the Netherlands GB GB C269–8654