

DRAFT



# User's Manual

- Please read this manual before using the printer.
- Keep this manual in a convenient place for future reference.



# Introduction

Thank you for purchasing the RL-700S.

The RL-700S (hereafter, referred to as "this machine") is a RFID label printer that enables you to easily create custom labels with IC tag (RFID) and read/write the IC tag (RFID) with equipped reader/writer after it is connected to a computer. With this machine, you can use not only SZ tapes (RFID labels), but also TZ tapes and HG tapes which available in the market to create the labels.

# About the machine

- We shall not be liable to you or others for any damage, loss of any equipment, media, programs, or data, and any claims of third parties arising out of the use of this product.
- The rights and copyrights of bundled software (including but not limited to the program, images, clip art, templates and text incorporated into the software) and attached manuals and other documents, and any copies of the software, are owned by Brother Industries, Ltd. and its suppliers. The user may not resell, duplicate, change, reverse-engineer, disassemble, or decompile any part of the above software without prior written permission.

# About the manual

• This manual contains various precautions and basic procedures. Be sure to read this manual before using the machine.

Afterward, keep this manual in a safe place for future reference.

- · The contents of this manual are subject to change without notice.
- No part of this manual may be reproduced in any form, including photocopying or reprinting, without prior consent.
- This manual has been carefully created. However, if you notice an error or something questionable, feel free to contact us.

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- Adobe<sup>®</sup>, Acrobat<sup>®</sup> and Adobe<sup>®</sup> Reader<sup>®</sup> are registered trademarks of Adobe Systems Incorporated.
- I-CODE SLI is registered trademarks of NXP Semiconductors (former Philips Semiconductors).
- All other software and product names mentioned are trademarks or registered trademarks of their respective companies.

Federal Communications Commission (FCC) Declaration of Conformity (For USA Only)		
Responsible Party:	Brother International Corporation	
	100 Somerset Corporate Boulevard	
	Bridgewater, NJ 08807-0911 USA	
	TEL: (908) 704-1700	
declares that the product		
Product Name: Model Number:	RFID Label Printer P-touch R RL-700S	

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- · Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- The enclosed interface cable should be used in order to ensure compliance with the limits for a Class B digital device.
- A shielded interface cable should be used in order to ensure compliance with the limits for a Class B digital device.
- Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.

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# **Before Use**

# **Safety Precautions**

To prevent injury or damage, follow all warnings and caution informations with following symbols.

🕂 Warning	Tell you what to do to avoid the risk of injury.
▲ Caution	Tells you about procedures you must follow to prevent injury or damage to the printer.

The symbols used in this manual are as follows:



Ø

tells you about the information you must be aware.

tells you the procedures you must avoid.

tells you the procedures you must follow.

tells you about the information you must know when operating the printer or using the software.

### Warning

### AC Adapter

 $\Lambda$ 

Follow these guidelines to avoid fire, electric shock, or failure.

- Do not use voltages or adapters other than the specified voltage (100-240 V) and the included AC adapter (AD9100).
- Do not overload the electric outlet.
- Do not damage or modify the power cord or plug. Also, do not put furniture or heavy objects on the power cord, and do not bend or pull it forcibly.
- Do not use the damaged power cord.
- Do not touch the AC adapter or power plug with wet hands.
- Insert the plug fully to the electric outlet. Avoid using electrical outlets that do not allow a secure connection.
- Do not disassemble or modify the AC adapter.
- Do not use in places of high humidity.

### Warning

#### Printer

Follow these guidelines to avoid fire, electric shock, or failure.

- · Do not disassemble or modify the printer.
- Do not drop or step on, or apply high impact.
- Do not wet the printer with coffee, juice, or water from cups or containers.
- · Do not use the printer if foreign objects are in it.
- Stop using the printer when you notice abnormal odor or smoke.
- Do not touch the printer if your hands are wet.



- For internal inspection, adjustment, or repair, contact your dealer or authorized service center. (We shall not liable for any damage from customer disassembly or modification, even if within the warranty period.)
- If the printer is damaged, liquid, or foreign objects get inside (particularly metallic objects), turn off and unplug the printer immediately, and contact your dealer or authorized service center.
- If you notice abnormal odor, heat, discoloration, deformation, or anything unusual when the printer is in use or being stored, unplug the printer and stop using it.
- As a reader/writer for RFID devices, the printer emits radio waves. It may affect the
  operation of medical equipment, depending on how and where the printer is used. To
  minimize any interference by the printer, strictly follow this guideline.
  Patients wearing pacemakers or other implanted medical devices should not allow
  their device to reach within 8.8" (22 cm) of antennas in RFID equipment or modular
  reader/writers, including this printer.
- Do not wear a packing plastic bag.
   To avoid a risk of suffocation, dispose or keep the plastic bag at the place children cannot reach.



 The printer is a communication device using 13.56 MHz radio waves on the ISM band. It may generate interference, depending on how and where the printer is used. To minimize the effect of any interference, we recommend checking interference by or to the printer in advance. Be extremely careful when you use it near radio astronomy or medical equipment. The printer may also affect operation of the equipment.

### Caution

#### AC Adapter

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• If the printer will not be used for an extended period, disconnect the AC adapter from the printer and electrical outlet.

#### Tape Cutter

• To avoid injury, do not touch the tape cutter.

#### Installation and Storage



• To avoid injury, do not put the printer on a unstable environment, such as dilapidated table or top of the shelf.

• To avoid injury, do not place any heavy objects on top of the printer.

#### Labels

 Depending on the location, material, and environmental conditions, the label may have the difficulties to peel or unpeel, the color of the label will be changed, or transferred to other objects. In prior to adhere the label, check the environmental condition and the material, and then test the label by affixing a small piece of it to an inconspicuous area of the intended surface.

# **Installation Precautions**

- Do not bring IC tags (non-contact RFID tags) within 2" (50 mm) in front of, above, or on the right side of the printer when the printer is in use. If you do so, it may interfere with the data writing during printing. Even beyond this range, some types of RFID tags may interfere with writing. Be extremely careful when using high-sensitivity RFID tags.
- Do not put the printer within the read range of other RFID reader/writers. It may interfere with the data writing during printing. Conversely, this printer may also interfere data reading or writing by other reader/writers.
- Do not put other RFID reader/writers within the printer's read range, which may interfere data writing during printing. Conversely, this printer may also interfere data reading or writing by other reader/writers.

# **General Precautions**

## Printer

The printer is not designed or manufactured for applications requiring an extremely high level of safety, such as in nuclear reaction control systems of nuclear power plants, aircraft autopilot systems, air traffic control towers, driving control of mass transit systems, life-support systems, missile launch control of defense systems, or other applications posing a direct, significant risk of injury, loss of life, or damage if safety cannot be ensured.

- To avoid accidents or damage, follow the instructions written in this manual.
- Use only genuine Brother accessories and supplies ( [1" (24 mm)), [2" (3.5 mm 36 mm)), or [19] (1/4" 1/2" (6 36 mm)) mark.
- Do not insert or remove the tape forcibly.
- Do not insert any foreign objects into the label output slot, AC adapter inlet, or USB port. Do not obstruct these areas.
- To avoid damaging the print head, do not attempt to print labels with used tape casettes or without inserting the tape casette.
- Do not touch the print head.
- Do not use paint thinner, benzene, alcohol, or other volatile organic solvents to clean the printer.
- Avoid using or storing the printer in direct sunlight or near heaters or sources of open flame, or where it is exposed to extremely high or low temperatures, high humidity, or excessive dust. The recommended environmental temperature range is 50°F (10°C) - 95°F (35°C).
- Do not scratch the CD-ROM and place the CD-ROM onto the place with extremely high or extremely low temperatures.
- The software contained on the CD-ROM is meant for use with the printer only. See License on CD for further details. This software may be installed on multiple personal computers for use at an office, etc.
- · Use only the USB cable included with the printer.

# SZ (RFID) Tape

- TZ and HG tapes can be set their label length up to 4" (100 mm) but SZ tape can be set its label length from 2.14" (53.5 mm) to 4" (100 mm) with P-touch Editor or the printer driver. Also, note that the portion after the specified length up to the next label will be blank.
- On SZ tape, a number in the format xx/30 is printed in the leading margin of labels. (xx is a number in the range 2-30.) This number indicates what label it is among the 30 RFID tags in the cassette.

When all 30 labels are used, END will be printed on the label. Replace it with the new cassette.

• RFID tags are in the leading portion of labels printed on SZ tape. Avoid cutting or damaging this portion, which may impair or disable the RFID tag.



 If ERROR is printed in the trailing portion of a label, an error occurred when writing data to the RFID tag. Make sure no reader/writers or other devices interfering with access to the RFID tags and try printing again.



- To avoid damaging cassettes and preventing further use, do not pull out the tape.
- To avoid rendering data unreadable, do not apply labels to metal objects, electronic devices, or other RFID tags.

- Data reading may be significantly impaired if labels are applied directly to moist surfaces or near them. Test operation before applying labels to surfaces.
- Do not bring SZ tape cassettes or RFID tags within 2" (50 mm) in front of, above, or on the right side of the printer when it is in use. This may interfere data writing during printing.
- Do not bring SZ tape cassettes within the read range of other RFID reader/writers. This may interfere data writing during printing.
- To avoid damaging labels, do not bundle the tape, put objects on it, or stretch it using hard objects. Do not apply labels to objects where they will be subjected to strong vibration or impact.
- Check where you will apply labels before applying them.
   Once labels are applied, you cannot reapply them elsewhere after peeling them off.
- Do not attempt to disassemble the cassettes or labels.
- Depending on environmental conditions and the location and material of objects labeled, labels may peel away, become irremovable, or leave a residue. Also, the label color may change over time, and the surface underneath may be damaged.
- Do not apply labels to skin.
- Before use, take up any slack in the ribbon by winding it in the direction shown 2 3 times around.



- Note that the margin of the first label printed is larger than other labels.
- To avoid label damage or data loss, do not use labels in extremely high or low temperatures.
- Note that applying labels to curved surfaces will lower the read rate because the antenna will be curved. Extremely curved surfaces may interfere reading, and the tape may peel off.
- Do not bend labels, which may break the antenna or damage the RFID tag.
- To avoid fire, do not put labels in microwave ovens.
- This product uses I-Code SLI RFID chips manufactured by NXP Semiconductors. These chips are compatible with reader/writers conforming to ISO/IEC 15693 and 18000-3 standards. (Operation is not guaranteed with all reader/writers.)
- When introducing a system based on SZ tape labels, check the environment of use carefully to ensure correct operation before use.
- When tape or labels are no longer needed, cut the RFID tag portion or take other measures to interfere data reading or writing before disposal.

# **Part Descriptions**

#### Printer parts are as follows:

# **Front face**



### Memo

When not in use, close the cover to prevent dust and debris from accumulating in the printing unit.

# **Rear view**



# Button

Button functions are as follows:

Button	Function
ON/OFF button ( 🕑 )	Turns the printer on and off.
Feed and Cut button ( 🔀 )	Feeds and cuts the printed labels. Use this button when the auto cut option in the printing dialog box is not checked. * Unable to use when SZ tape is loaded.
Open Cover button	Opens the cover.

## Lamp Display

The ON/OFF button lamp (blue) and Error lamp (red) indicate the current operating status.

Lamp Status		
ON/OFF Button (Blue)	Error Lamp (Red)	Printer Status
Not lit	Not lit	The printer is off.
Lit	Not lit	The printer is working normally.
Flashing	Not lit	<ul> <li>The printer is receiving data from the computer. Wait for a while.</li> </ul>
Flashing	Lit	<ul> <li>The printer is receiving data from the computer, but unable to print.</li> <li>Load a tape cassette and close the cover.</li> </ul>
Lit	Lit	<ul> <li>No tape cassette is loaded, or the cover is open. Load a tape cassette and close the cover.</li> <li>The Feed and Cut button was pressed when SZ tape is loaded. (Unable to use the Feed and Cut button when SZ tape is loaded.)</li> <li>You reached the end of the SZ tape. Remove the SZ tape cassette and check the surface of the tape. If "END" is printed on the tape, replace the cassette with a new SZ tape cassette.</li> </ul>
Lit	Flashing	<ul> <li>A print job is received, but the printer cannot print. Load the correct tape cassette and close the cover.</li> <li>If ERROR is printed on the SZ tape, an error occurred when writing data to the RFID tag or the tag is damaged. Try printing again.</li> </ul>
Lit	Flashing Rapidly	<ul> <li>Make sure that the tapes are not jammed in the printer. Turn the printer off and on.</li> <li>* If the problem is not solved, contact your dealer or authorized service center.</li> </ul>
Lit	Flashing Very Rapidly	<ul> <li>Turn off the printer, and then turn it on again.</li> <li>* If the problem is not solved, contact your dealer or authorized service center.</li> </ul>

# Installing the Software

# Software Overview

Before connecting the printer to your computer, you must install the software on your computer, including software applications and the printer driver.

The following applications are included on the CD-ROM.

### P-touch Editor 4.2

Advanced editing software to create label designs for a variety of purposes. P-touch Editor is a standalone application for easy label design. It also provides many convenient features such as interaction with Microsoft<sup>®</sup> Office application using Add-Ins, database function, bar codes creation, and screen capture. The following tools are also installed

The following tools are also installed.

- P-touch Library 2.0 Instantly load previously printed labels created by P-touch Editor to print them easily.
- P-touch 4.2 Add-In Settings

Use the add-in icons for  $\mathsf{Microsoft}^{\circledast}$  Word, Excel, or  $\mathsf{Outlook}^{\circledast}$  to create labels using data from these programs.

### Printer Driver

This software enabling you to use the unit as a printer. You must install this printer driver first when you use this printer connecting to your computer.

### RL-700S Runtime Library

This component requires to use programs developed using the RL-700S SDK. You must install this library with the printer driver to use RFID functions.

### Sample Applications

Sample applications that introduce the RFID functions. Three types of applications are provided, NameLabel, FileOpen, and Management of the ItemLabel.

If the PC does not have Microsoft .NET Framework 2.0, it will be installed automatically.

RL-700 SDK

The SDK (Software Development Kit) is used when developing the application with the RFID functions.

RL-700S SDK is provided as the library for Windows. For details, see the RL-700S SDK manuals.

# **Preparing For Installation**

### System Requirements

Before installation, make sure your computer meets these requirements and that other required software is already installed.

Item	Details
Operating System	<ul> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 2000 Professional (SP4 or later), XP, or Windows Vista<sup>TM</sup></li> <li>* Must be installed on a computer that conforms to Microsoft<sup>®</sup> guidelines for that operating system.</li> <li>* Internet Explorer 5.01 or later is required when you use the sample applications.</li> </ul>
Interface	USB port (USB 1.1 or higher)
Hard Disk	70 MB or more of free space (required when installing all options)
Memory	Microsoft <sup>®</sup> Windows <sup>®</sup> 2000 Professional or XP: 128 MB or more Windows Vista <sup>TM</sup> : 512 MB or more
Monitor	SVGA, graphic color with High Color or greater
Other	CD-ROM drive
Software Compatible With Microsoft <sup>®</sup> Office Add-Ins	Microsoft <sup>®</sup> Word 2000/2002/2003/2007 Microsoft <sup>®</sup> Excel 2000/2002/2003/2007 Microsoft <sup>®</sup> Outlook <sup>®</sup> 2000/2002/2003/2007
Software Compatible With Sample Applications (Management of Lent Items)	Microsoft <sup>®</sup> Excel 2000/2002/2003/2007

If the PC does not have Microsoft .NET Framework 2.0, it will be installed automatically. This requires an additional 300 MB of free hard disk space.

### Installation Precautions

 Do not connect the USB cable to your computer before installing the software. If the USB cable is accidentally connected, click [Cancel] when the following screen is displayed and disconnect the USB cable.



• You must be logged on with administrator rights to install this software.

# **Software Installation Procedure**

Follow these steps to install the software.

Here explains how to install all of the applications in Microsoft<sup>®</sup> Windows<sup>®</sup> XP.

### 🖉 Memo

The installation procedure may vary depending on your operating system. Follow the instructions on the screen to complete installation.

# 1

Start your computer and insert the CD-ROM in the CD-ROM drive.

The RL-700S Installer starts up and the P-touch Setup screen is displayed.

🦉 Memo

- · It may take few minutes before this screen is displayed.
- If it does not start up automatically, double-click the "Setup.exe" icon on the CD-ROM.

### Click [Standard Installation].

### 🖉 Memo \_\_\_\_\_

If Microsoft .NET Framework 2.0 and Windows Installer 3.0 or later are not installed on your computer, the installation screen is displayed. Follow the instructions on the screen to complete installation. If you cancel this step, no software will be installed.



The License Agreement screen is displayed.

# 🖉 Memo

- To install individual programs, click [Custom Installation] and install each program.
- RL-700S SDK is not installed with Standard Installation. Install it individually with Custom Installation after installing other software.
- For details on RL-700S SDK, see the RL-700S SDK manuals in SDK. RL-700S SDK manuals are installed under the following path.

P Fauch R Satup

P Fauch R Satup
P Fauch R Satup
P Fauch R Satup
P Fauch R Satup
P Fauch R Satup
P Fauch R Satup
P Fauch R S

#### C:\Program Files\Brother RL-700S\SDK\Doc

Read the license agreement very carefully. If you agree with the terms and conditions of the license agreement, click [Yes] to continue the installation.

The Customer Information screen is displayed.



Follow each instruction on the screen to complete the setting, and then click [Next].

The following screens are displayed one after another. Complete the settings on each screen.

- Customer Information
- Choose Destination Location
- Add Shortcut



Check the setting, and if it is set correctly, click [Next].



- It may take few minutes before this screen is displayed.
- If any information is incorrect, click [Back] and set it again.

Review settings	iles before copying files.	
Setup has enoug change any sett copying files.	gh information to start copying the program files. ings, click Back. If you are satisfied with the set	If you want to review or trings, click Next to begin
Current Settings:		
User Information	n Name:brother Company:brother	^
Destination Fold	ler: C:\Program Files\	
P-touch Softwa	re shortcut additional place: Desktop Quick launch bar	
1.000		
<		

The Add-In Settings screen is displayed.

# 🖉 Memo \_\_\_\_\_

In Microsoft<sup>®</sup> Windows<sup>®</sup> XP or Windows Vista<sup>TM</sup>, confirmation screens may be displayed during software installation.

In this case, choose "Install Automatically."

# 6

Check the software with which you want to set the Add-Ins, and then click [Next].

### Memo

- Make sure that you closed all Microsoft<sup>®</sup> Office<sup>®</sup> applications before proceeding.
- · For details on configuring Add-Ins, see the help file for P-touch Editor 4.2.
- · Microsoft .Net Framework 2.0 is required when you use the sample applications. If Microsoft Net Framework 2.0 is not installed on the computer, the installer screen is displayed. Follow the instructions on the screen to

complete installation.

Add-In Settings	
Please select the Microsoft(R) C functions.	Iffice application(s) from which you want to use the Add-In
Word Add-In	
Excel Add-In	
🔲 Qutlook Add-In	
	Lance

Installer	
In order to use th must be installed. Click [OK] to inst [Cancel]. If [Cancel] is click	e sample application on this computer, Microsoft .NET Framework 2.0 al Microsoft .NET Framework 2.0. To cancel the installation, click ad, the sample application will also not be installed.
	Cancel

The software is now installed. When installation is finished, the Driver Setup screen is displayed.

When the message "Connect Brother RL-700S, and then turn it on." is displayed, connect the USB cable to the printer's USB port.



### Memo \_

Before connecting the USB cable, remove the warning sticker over the printer's USB port.



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### Connect the USB cable to the computer's USB port and turn on the printer.

After the computer detects the printer, the printer driver will be installed automatically.

### 🖉 Memo 🛽

Depending on the hub, the computer may not detect the printer correctly. If so, connect the printer directly to the computer's USB port.

After the driver is installed, the Online User Registration screen is displayed.



# 9

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### Click [Finish].

Software installation is now complete.



After installation, you may be instructed to restart your computer. If so, choose to restart the computer and click [Finish].

The RL-700S Installer screen is displayed.



# Click [Exit].

RL-700S installation is now complete.



# **Using RFID Labels**

# **Reading and Writing Data on RFID Labels**

The printer has a built-in reader/writer for reading and writing RFID label data.



When the printer is functioning as a reader/writer, hold an RFID label near the read area to read the RFID label data.



### 🖉 Memo

To use the reader/writer of the printer, you need to install a supporting application first. Install one of the included sample applications before use.

# Experience RFID Label Applications (Sample Applications)

For an introduction to use RFID labels, try using one of the sample applications you installed.

## 🖉 Memo

These programs are sample applications to introduce printer RFID functions. They are provided as a way to try common functions, but no guarantee is implied regarding actual use.

# **Overview of Sample Applications**

Issue the RFID Labels

### NameLabel

An application for creating RFID tag-name labels, reading and writing the data with the printer.

me Labet - Sample Application for U Print RFID Labet RFID RAV Operation En Template File To Be Printed C VProgram Files/Biother RL-7005/S Template Sector RL-7005/S	sting AFD Control of the state
	Company Name
Per RFID Label Per RFID Label Per RFID Label Per RFID Label	Data for Resistion Detect Tard         0           0         Text 6           1<"Company"         0           1         Text 1           2 Blow         -           Distributions Tast           (1) Blow 0.7         Issa1           (2) Blow 1.7         Issa1
	C Est

To issue the name labels, choose a template and enter the information to the RFID tags.

#### Read and Write the RFID Labels

Tag UID				User Data Display
Retrieve RAV UID Nu	m of UID 0	UD	~	⊕ HEX ○ TE
Tag Memory Data (System Area + I	Jser Data)			
Read R/W Tag Memory	D	10	20	
	1	11	21	
EAS	2	12	22	
	3	13	23	
AFI	4	14	24	
	5	15	25	
0.000	6	16	26	
DISFID	7	17	27	
	8	18		
	9	19		
		Data Islation to T		
Write RAW User Data Sta	t Block 0		-,	
Lock R/W User Data Sta	t Block	Looked Block Lee	oth 0	

Hold a label near the reader/writer of the printer and click the button to read or write the data.

### FileOpen

An application for opening multiple files (registered in advance) at once when you hold the RFID label near the reader/writer of the printer.

For example, this function is useful when several people give presentations on a single computer.

### 

Register multiple files that you want to open, and then print the labels.

You can set up the Label Format as well.

Issue the RFID Labels

### Management of the ItemLabel

An application for creating RFID labels and managing the RFID labels for users and items.

#### Microsoft Excel . Itemi abel2 Be gok yew poer format 3xx6 gate yewdwr galo 1.027 🖬 👹 🕼 🕪 ↔ → ½ 🎗 🖞 Anal NUMBER 💌 🖷 Number A 😗 C D E 7 0 H Reader Brother RL-T005 Item Label Reader Setting Lend Return soft Excel - IternLabel2 Die Edit Verw Jeseit Format Inois Data Vonderw 1996 auf auf auf Bar Ba, HB, win + X (B) \$\$ Anal SELECT ▼ ■ Senact A B C D E н і Issue User Label Print Data 1 Name -Label Template C Program File Bother File 7005/Eample: New Label/Jointill Print Data 2 Number Print Data 3 Depatriest v Edt Brown a Tan Data Selected Salested Add Selected Add New Line Preview Issue Label 2 85 094 TarsHole 2 85 093 deales 1 85 045 HandoHofe

Register lending information for users and items, and then print their RFID labels.

### Read the RFID Labels



When lending the items, read the both lending user and item labels. When returning the items, read the lending item labels only.

### Read the RFID Labels

New Employee training

Be 50 year post fyrnt jok Signitar ynder 840 Di 🖬 🖬 🖓 🏷 🖄 81 co - 81 🗇 500 - > 13 🕈 Or

-

Since this application is a resident

application, you can open the registered

files by holding the label near the printer.

Tools Data Window

## Using the Sample Applications

Follow these steps to start each application.

# 🖉 Memo

For detailed specifications and instructions, see the User's Manual for each application.

### To start an application, click [Start]-[All Programs (or Programs)]-[Brother RL-700S].

The application menu is displayed.



Choose the application menu you want and click the application icon.



The application starts up.

### 🖉 Memo

- · User's Manual is stored in the same folder as the application. Refer to it as needed.
- "File Launcher" is a resident application. It cannot be used at the same time as other RFID sample applications. Close "File Launcher" before using another sample application.

# **Main Specifications**

# **Product Specifications**

Item		Details	
Display		LED lamps (blue and red)	
Print	Printing Method	Thermal transfer lamination/thermal printing	
	Print Head	360 dpi, 384 dots	
	Resolution	TZ or SZ tape: 360 dpi HG tape, high resolution mode: 360 x 720 dpi (in feed direction)	
	Speed	TZ or SZ tape: up to 0.8" (20 mm)/sec HG tape, high-speed mode: up to 1.6" (40 mm)/sec	
	Maximum Width	1.08" (27.1 mm)	
Interface		USB (Ver. 2.0, Full speed)	
Power Supply		100-240 V AC, 50/60 Hz (with AC adapter)	
Power Consumption	Printing	Approx. 30 W	
	Standby	Approx. 2 W	
	Reading	Approx. 2.5 W	
Dimensions		5.4" (135 mm) (W) x 7.6" (190 mm) (D) x 5.2" (130 mm) (H)	
Weight		Approx. 3.3 lb (1.5 kg)	
Cutter		Cutter and half-cutter*1	
RFID Module	Frequency Band	13.56MHz	
	Supported IC Tags	II-Code SLI*2, *3	
Operating Temperature/ Humidity		50°F (10°C) - 95°F (35°C), 20% - 80% RH	

\*1 The half-cutter is used only with laminated tape.

\*2 I-Code SLI is a trademark or registered trademark of NXP Semiconductors (formerly Philips Semiconductors).

\*3 I-Code SLI conforms to ISO/IEC 15693 and 18000-3 standards.

# **System Requirements**

Item	Details
Operating System	<ul> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 2000 Professional(SP4 or later)/XP / Windows Vista<sup>TM</sup></li> <li>* One of these operating systems must be installed on a computer that conforms to Microsoft<sup>®</sup> guidelines for that operating system.</li> <li>* Use of the sample applications requires that Internet Explorer 5.01 or later be installed on your computer.</li> </ul>
Interface	USB port (USB 1.1 or later)
Hard Disk	70 MB or more of free space (to install all options)
Memory	Microsoft <sup>®</sup> Windows <sup>®</sup> 2000 Professional or XP: at least 128 MB Windows Vista <sup>TM</sup> : at least 512 MB
Monitor	SVGA, graphic color with High Color or greater
Other	CD-ROM drive
Software Compatible With Microsoft <sup>®</sup> Office Add-Ins	Microsoft <sup>®</sup> Word 2000/2002/2003/2007 Microsoft <sup>®</sup> Excel 2000/2002/2003/2007 Microsoft <sup>®</sup> Outlook <sup>®</sup> 2000/2002/2003/2007
Software Compatible With Sample Applications (Management of the ItemLabel)	Microsoft <sup>®</sup> Excel 2000/2002/2003/2007

If the PC does not have Microsoft .NET Framework 2.0, it will be installed automatically. This requires an additional 300 MB of free hard disk space.