# fi-434PR Imprinter User's Guide: Option

User's Guide

English

Japanese

ユーザーズガイド



## **Revision Record**

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# fi-434PR Imprinter User's Guide: Option

English

#### FCC Declaration:

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 instruction manual, 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:

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- 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.

#### **FCC Warning:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## 

- The use of a non-shielded interface cable with the referenced device is prohibited. The length of the parallel interface cable must be 3 meters (10 feet) or less. The length of the serial interface cable must be 15 meters (50 feet) or less.
- The length of the power cord must be 3 meters (10 feet) or less.

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## **FUJITSU Group Offices**

Please send your comments on this manual or on PFU products to the following addresses:

#### PFU LIMITED

Computer Products Business Group 658-1 Tsuruma Machida-shi, Tokyo 194-8510, Japan Phone: (81-42)796-5211 Fax: (81-42)788-7651 Website: http://www.pfu.fujitsu.com E-mail: imaging@pfu.fujitsu.com

Corporate headquarters Nu 98-2 Unoke, Unoke-machi, kahoku-gun, Ishikawa 929-1192, Japan Phone: (81-76)283-1212 Fax: (81-76)283-4689

#### **North America**

FUJITSU COMPUTER PRODUCTS OF AMERICA, INC. 2904 Orchard Parkway, San Jose, California CA95134-2009, U.S.A. Phone: 1-800-591-5924;(1-408)432-6333 Technical Assistance Center: (1-800)626-4686 Fax: (1-408)894-1709 Website: http://www.fcpa.com/ E-mail: info@fcpa.fujitsu.com

FUJITSU CANADA, INC. 2800 Matheson Boulevard East, Mississauga, Ontario L4W 4X5, Canada Phone: (1-905)602-5454 Fax: (1-905)602-5457 Website: http://www.fujitsu.ca/ E-mail: imaging@fujitsu.ca (for sales questions) scantech@fujitsu.ca (for technical questions)

#### Europa

FUJITSU EUROPE LTD. Hayes Park Central, Hayes End Road, Hayes Middlesex UB4 8FE, England Phone: (44-208)573-4444 Fax: (44-208)573-2643 Website: http://www.fujitsu-europe.com/home/ E-mail: iwebmaster@fujitsu-europe.com

FUJITSU DEUTSCHLAND GMBH. Frankfurter Ring 211, 80807 München 40, Germany Phone: (49-89)323-78-0 Fax: (49-89)323-78-100 Website: http://www.fujitsu.de/ E-mail: webmaster@fujitsu.de

FUJITSU NORDIC AB Kung Hans Väg 12, S-192 68 Sollentuna, Sweden Phone: (46-8)626-45-00 Fax: (46-8)626-45-88 Website: http://www.fujitsu-europe.com/home/

FUJITSU ITALIA S.p.A. Via Nazario Sauro, 38 20099 Sesto San Giovanni (Milan), Italy Phone: (39-02)26294-1 Fax: (39-02)26294-201 Website: http://www.fujitsu-europe.com/home/

FUJITSU FRANCE S.A. 1, Place des Etats-Unis, Silic 310, 94588 Rungis Cedex, France Phone: (33-1)41-80-38-88 Fax: (33-1)41-80-3850 Website: http://www.fujitsu-europe.com/home/ FUJITSU ICL ESPAÑA, S.A. Camino Cerro de los Gamos, 1 28224, Pozuelo de Alarcon, Madrid, Spain Phone: (34-91)784-9000 Fax: (34-91)784-9317 Website: http://www.fujitsu-europe.com/home/ E-mail: imagemaster@mail.fujitsu.es

#### Australia

FUJITSU AUSTRALIA LTD. 2 Julius Avenue North Ryde, N.S.W 2113 Australia Phone: (61-2)9776-4555 Fax: (61-2)9776-4556 CompuServe: GO FUJITSU Website: http://www.fujitsu.com.au/

#### Asia

FUJITSU COMPUTER (SINGAPORE) PTE. LTD. 20 Science Park Road, #03-01, Tele Teck Park Singapore Science Park II, Singapore 117674 Phone: (65)777-6577 Fax: (65)771-5499 Website: http://www.fujitsu-computers.com.sg E-mail: inquiry@fcsl.fujitsu.com.sg

FUJITSU TAIWAN LTD. 19th Fl., No39, 1 Sec. chung-Hwa Rd., Taipei, Taiwan Phone: (886-2)2311-2255 Fax: (886-2)2311-2277

FUJITSU HONG KONG LTD. 10/F., Lincoln House, 979 King's Road, Taikoo Place, Island East, Hong Kong Phone: (852)2827-5780 Fax: (852)2827-4724 E-mail: scanner@fujitsu.com.hk

FUJITSU SYSTEMS BUSINESS (THAILAND) LTD. 12th Fl., Olympia Thai Tower, 444 Rachadapisek Road, Samsennok, Huay kwang, Bangkok 10320, Thailand Phone: (662)512-6066 Fax: (662)512-6068

FUJITSU KOREA LTD. 5-11 Fl., Coryo Finance Center Building, Youido-Dong 23-6, Young DungPo-gu, Seoul, Korea, 150-010 Phone: (82-2)3787-5970 Fax: (82-2)3787-6070 Website: http://www.fujitsu.co.kr E-mail: webmaster@fkl.fujitsu.co.kr

FUJITSU SYSTEMS BUSINESS (MALAYSIA) SDN, BHD. Fujitsu Plaza 1A, Japan Tandang 204, P.O.Box 636, Jalan Sultan, 46770, Petaling Jaya Selangor Darul Ehsan, Malaysia Phone: (60-3)793-3888 Fax: (60-3)7783-0888

FUJITSU PHILIPPINES, INC 2nd Fl., United Life Building, Pasay Road, Legaspi Village Makati, Metro Manila, Philippines Phone: (63-2)812-4002 Fax: (63-2)817-7576

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## Introduction

Thank you very much for purchasing the fi-434PR Imprinter Option.

This guide explains how to install and use the imprinter. This guide also contains important information such as procedures for cartridge replacement. Keep this guide in safety custody.

Unpack the imprinter and check that all the components listed in Table 1.1 are included.

### Conventions

Important information that requires special attention is indicated as follows:

## 

WARNING indicates that serious personal injury may result if you do not follow a procedure correctly.

## 

CAUTION indicates that minor personal injury, loss of data, or damage to the scanner may result if you do not follow a procedure correctly.

Official Fujitsu part names are indicated with an initial capital letter, as in the part name "Pick Roller".

## . NOTICE

A NOTICE provides "how-to" tips or suggestions to help you perform a procedure correctly.

Table 1.1 shows the imprinter components.

Component	Quantity	External View
Imprinter Unit	1	
Print Cartridge	1	
Operator's Guide	1	
Imprinter Cable	1	
Clamp (black)	2	
Clamp (white)	1	
Screw	2	, R

Table 1.1 Imprinter Components

## (1) Installing the Imprinter

Install the imprinter as follows:

1

2

Prepare a Phillips screw driver.

Turn off the scanner and disconnect the power cable.

(1) While pushing the lower part of the imprinter against the scanner,
 (2) hang the arms on the ADF unit. Push down the ends of the arms to mount the imprinter on the scanner.



(2)



4 Move the imprinter unit to the left and secure it with the two screws included with the imprinter componets.



When removing the imprinter, reverse the installing procedures.

### (2) Mounting the Clamps and Connecting the Imprinter cable

Two types of clamps are used for securing the imprinter cable. Mount the clamps as follows: Note: The imprinter cable should be connected after the clamps have been mounted.

#### Clamps (black)

Use these clamps (black) to fix the imprinter cable.

1 Insert the clamps into the holes on the back of the scanner.



#### Clamp (white)

The clamp (white) holds the imprinter cable loosely. If the imprinter cable hangs down loosely in the way of the paper path, use this clamp.

2 Place the clamp (white) at the left of the upper imprinter shaft.

#### **Connecting Imprinter cable**

3

4

Fasten the imprinter cable with the clamps (black) as shown in the bottom figure.

- Hold the imprinter cable with the clamps (white) if necessary as shown in the bottom cable.
- 5 Connect the imprinter cable to the scanner and to the connector of the imprinter.







### (3) Mounting the Print Cartridge

Mount the print cartridge as follows:

Turn off the scanner and disconnect the power cable.
 Hold and raise the knob of the imprinter cover in the direction of the arrow to open the cover.

Insert the print cartridge so that its tab is positioned





3 toward the left as shown in the figure to the right.

Lower the lever gently until it locks in place to



secure the print cartridge.

4)



## (4) Operation Test

After installing the imprinter, check if the printing operation can be done by using the Offline Print Test mode of the scanner.

1	Place paper on the ADF paper chute.	
2	Press the [Start] button.	(Screen 1)
3	One sheet of paper is fed and printed.	Print Test
4	To print another sheet of paper, press the [Start] button again.	
5	With three pages printed, you can check all characters available for printing. (Printing characters are listed in Chapter 7, "Specifications".)	
6	To exit the < <print test="">&gt;, turn off the power.</print>	

## CAUTION

Use an A4 or letter size page for the imprinter test. Shorter paper may cause printing to stop halfway.

## (1) Replacing the Print Cartridge

Replace the print cartridge as follows:

and open the lever upward.

toward the left.



3

Turn off the scanner and disconnect the power cable.



Unlock the lever which secures the print cartridge





Hold and remove the old print cartridge. 4 Insert a new print cartridge so that its tab is positioned



5 Lower the lever gently until it locks inplace to secure the print cartridge.



Tab -

### (2) Reset of the Ink Remain Counter

You must reset the ink remain counter whenever you replace the print cartridge.

When you install the print cartridge, the ink remain counter will automatically count every character printed and a message "Please a new Ink" is displayed on the operator panel when the remaining ink is running short. If this message appears (during read operation), prepare a new ink cartridge. When the imprinter cannot print any more, replace the print cartridge with the new one and access the "Ink remain counter reset" in Setup mode.

Access the "Ink remain counter reset" operation even if you replace the print cartridge before the alarm.

Ink remain counter reset       Reset, No         1       At the Ready screen, press the [Next] button three times. The Setup mode initial screen appears. (screen 1)		Setup item	Options		Remarks	
<ol> <li>At the Ready screen, press the [Next] button three times. The Setup mode initial screen appears. (screen 1)</li> <li>R e a d y XXXXXX (Screen 1)</li> <li>R e a d y XXXXXX (Screen 1)</li> <li>R e a d y XXXXXX (Screen 1)</li> <li>At screen 1, press the [Enter] button. The first setup item "Double Feed" appears. (Screen 2)</li> <li>At screen 2, press the [Previous] or [Next] button repeatedly until the item "Ink remain" appears.</li> <li>At screen 3, press the [ENTER] button. The reset execution screen appears.</li> <li>At screen 4, press the [ENTER] button. The reset execution screen appears.</li> <li>At screen 4, press the [ENTER] button. The reset execution screen appears.</li> <li>Press the [△] button. "Yes" blinks. (Screen 4)</li> <li>Y = 1 - 1 R e s e t Now No / Y e s</li> <li>Press the [Enter] button to perform the reset operation.</li> <li>Press the [Enter] button to perform the reset operation.</li> <li>Press the [Enter] button to perform the reset operation.</li> </ol>		Ink remain counter reset	Reset, No			
<ul> <li>2 At screen 1, press the [Enter] button. The first setup item "Double Feed" appears. (Screen 2)</li> <li>3 At screen 2, press the [Previous] or [Next] button repeatedly until the item "Ink remain" appears.</li> <li>4 Press the [○] button. "Reset" blinks. (Screen 3)</li> <li>5 At screen 3, press the [ENTER] button. The reset execution screen appears.</li> <li>6 Press the [○] button. "Yes" blinks. (Screen 4)</li> <li>7 Press the [Enter] button to perform the reset operation. The inherematic disclocution and the reset operation.</li> <li>7 Press the [Enter] button to perform the reset operation.</li> </ul>	1	At the Ready screen, press the [N Setup mode initial screen appears	lext] button three times. The s. (screen 1)	R e a (Screen 1 M o d ! S e	XXX dy XXXXX0 ) e Select 2 tup Mode	×
<ul> <li>3 At screen 2, press the [Previous] or [Next] button repeatedly until the item "Ink remain" appears.</li> <li>4 Press the [○] button. "Reset" blinks. (Screen 3)</li> <li>5 At screen 3, press the [ENTER] button. The reset execution screen appears.</li> <li>6 Press the [○] button. "Yes" blinks. (Screen 4)</li> <li>7 Press the [Enter] button to perform the reset operation. The independent of independent of the perform the reset operation.</li> <li>7 Press the [Enter] button to perform the reset operation. The independent of the perform the reset operation.</li> </ul>	2	At screen 1, press the [Enter] b "Double Feed" appears. (Screen 2	outton. The first setup item 2)	(Screen 2) ! 0 1 = N 0 /	) Double Feed Yes→1/2:Sto	р
<ul> <li>4 Press the [○] button. "Reset" blinks. (Screen 3)</li> <li>5 At screen 3, press the [ENTER] button. The reset execution screen appears.</li> <li>6 Press the [○] button. "Yes" blinks. (Screen 4)</li> <li>7 Press the [Enter] button to perform the reset operation.</li> <li>7 Press the [Enter] button to perform the reset operation.</li> </ul>	3	At screen 2, press the [Previous] until the item "Ink remain" appea	or [Next] button repeatedly ars.	! 2 1 = ■ □ □	Ink remain 1000 Reset/N	0
<ul> <li>5 At screen 3, press the [ENTER] button. The reset execution screen appears.</li> <li>6 Press the [] button. "Yes" blinks. (Screen 4)</li> <li>7 Press the [Enter] button to perform the reset operation. The inh remain dimension for the reset operation.</li> </ul>	4	) Press the $[\bigcirc]$ button. "Reset" bli	inks. (Screen 3)	(Screen 3) ! 2 1 = ■ □ □	) Ink remain NOOO Reset/N	0
<ul> <li>6 Press the [○] button. "Yes" blinks. (Screen 4)</li> <li>(Screen 4)</li> <li>! 2 1 - 1 R e s e t Now No / Y e s</li> <li>7 Press the [Enter] button to perform the reset operation.</li> <li>(Screen 5)</li> </ul>	5	At screen 3, press the [ENTER] screen appears.	button. The reset execution	! 2 1 -	1 ResetNow No/Yes	
7 Press the [Enter] button to perform the reset operation. (Screen 5)	6	) Press the $[\bigcirc]$ button. "Yes" blin	uks. (Screen 4)	(Screen 4) ! 2 1 -	) • 1 Reset Now No/Yes	
I ne link remain display returns to <b>EXAMPLE</b> . (Screen 5)	7	Press the [Enter] button to perfor The ink remain display returns to	rm the reset operation.	(Screen 5) ! 2 1 = ■ ■ ■	) Ink remain IIII Reset/N	0
8       Press the [Exit] button.       X X X         The LCD returns to the Ready screen.       R e a d y       X X X X X X X	8	Press the [Exit] button. The LCD returns to the Ready sc	reen.	R e a	X X X d y X X X X X 0	X

### (3) Clearing Paper Jam

If paper jams, clear the jammed paper as follows:



Remove all the documents on the stacker except the jamed paper.

2 Open the ADF cover. The imprinter automatically moves as shown in the figure.



3 Remove the jammed paper.

If the imprinter unit presses down on the paper, hold the handle part (see the figure below for details) and slightly lift the imprinter unit from the stacker to remove the paper.





## (4) Cleaning the Nozzle Surface of the Print Cartridge

Ink or stains stuck to the nozzle surface of the print cartridge or leaving the imprinter unused for a while cause poor printing of characters because of blocked emission holes in the nozzle. If your imprinter has this trouble, clean the nozzle surface of the print cartridge.

#### NOTE

For cleaning, use dry cloth or a lint free cloth, and gently wipe off dirt and stain from the surface of the nozzle. (Do not use tissue paper.)

Clean the nozzle surface as follows:



Remove the print cartridge. (Refer to Item (1) in this chapter.)







3 Make sure that the dirt and stain are all removed and then reinstall the print cartridge. (Refer to Item (1) in this chapter.)

### (5) Cleaning the Imprinter Base

With increased use of the imprinter, dirt such as ink sticks to the imprinter base, causing dirt on the paper. As part of daily maintenance, clean the imprinter base by following the procedure below:

#### NOTE

When cleaning, gently wipe off dust on the imprinter base, especially the dotted area below, with an absorbent item that can remove the ink.

If the ink hardens, gently wipe with a moistened cloth. (Since the ink is water-soluble, it can be cleaned with water.)

Clean the imprinter base as follows:

Clean the imprinter base.



2

Lift the imprinter.







Enlarged figure



3 Check that the dirt is wiped out and gently return the imprinter to its original position.



### CAUTION

[DAMAGE]

Use a cloth that is either dry or dampened with water when you clean the imprinter. Use of the F1 or F2 cleaner may damage the imprinter.

## 4. Precautions

- 1. When installing or replacing the print cartridge, be careful not to insert out of position.
- 2. When printing near the edge of paper, note that printing may go across the edge depending on the setting position of the imprinter.
- 3. The " $\nabla$ " mark on the imprinter indicates the printing position.
- 4. Be careful not to touch the contacts or the nozzle on the bottom of the print cartridge. Poor printing or loose contact may occur.
- 5. Do not move the imprinter during printing. Printing may be out of order.
- 6. Do not shock the imprinter or the print cartridge. Poor printing may occur.
- 7. The shaded area shown at the right is used for the paper sensor to check the document. Note that the reflection rate of this area must be more than 50%. (There must be no painting in this area) Never punch binding holes in this area.



8. The imprinter prints characters by spraying ink directly to the paper being ejected. Due to this printing method, printing may be unclear depending on printing positions.

For clear printing, use the recommended printing area shown at the right.

When using paper thinner than 0.06 mm (less than  $52g/m^2$  (13.9 lb), printing may become more unclear and illegible. Especially in this case, the recommended printing area should be used.



## 5. Error Messages

When the following error messages are displayed on the operator panel, the imprinter is malfunctioning. Recover the imprinter according to the means following the cause.

Print Alarm

Possible causes are as follows:

- The imprinter is set out of the paper path.
  - Set the imprinter in place.
- The stacker is full of documents.
  - Remove documents from the stacker.

I	m p	r	i	n	t	е	r	A	I	а	r m	

Possible causes are as follows:

- Loose contact of the signal electrodes of the print cartridge.
  Reinsert the print cartridge in place.
- The imprinter cannot correctly communicate with the scanner.
  Connect the imprinter cable correctly.
- The motor, sensor, or program memory is out of order.
  Turn off the power, and then turn on again.

		•				
No	Ink	Cart	r	İ	dg	уe

Possible causes are as follows:

- The print cartridge is not installed.
  - Insert the print cartridge.

# 6. Specifications

Table 1.1 presents the imprinter specifications.

Table 1.1 Imprinter Specifications
------------------------------------

Item	Specification
Printing Method	Thermal inkjet printing
Printed Characters	Alphabet Letters:       A to Z, a to z         Numeric Characters:       0, 1 to 9         Symbols:       !'' # \$ % & '()*+,/:;<=>? @ [¥]^_' {   }
Maximum Number of	40
Characters Printed	
Character Size	
Character Pitch	Height 2.91 mm to width 2.82 mm
Printing Area	About 3.53 mm
	The printable area of the backside of document is as follows: T Length of document $D \le 140.5 \text{ mm} (\text{for 40 columns})$ $C \ge 70.0 \text{ mm}$ $T - (C + D) \ge 7 \text{ mm}$ $\left  \begin{array}{c} Backside \\ \hline \\ $
Consumable	Print Cartridge (Supply No. CA00050-0262)

## FUIITSU

## **Declaration of Conformity**

Responsible Party:	FUJITSU COMPUTER PRODUCTS OF AMERICA, INC.
Address:	2904 ORCHARD PARKWAY
	SUN JOSE, CA95134-2009, U.S.A.
Phone Number:	(408)432-6333
Fax Number:	(408)894-1709

Hereby declares that the product

Product name : \_\_\_\_\_Imprinter(Image Scanner Option)

Model Number: \_\_\_\_\_\_\_fi-434PR\_\_\_\_\_\_

Conforms the following specifications:

FCCpart15, SubpartB, ClassB Digital Device

#### **Supplementary Information:**

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.

**Responsible Person** 

Name : Title: Reza Majidansari V.P.IPG.Engineering Peripherals,Scanners and Software

Signature:

11/26/01

Date:



### **Declaration of Conformity**

According to EN45014

PFU Limited, Unoke-Machi Kahoku-Gun Ishikawa 929-1192 Japan

declares under our sole responsibility that the product including the options or accessories

**Product Type:** 

Model Number:

Imprinter (Image Scanner Option) fi-434PR

to which this declaration relates is in conformity with the following standards:

Electromagnetic Compatibility Directive 89/336/EEC, 92/31/EEC, 93/68/EEC Low Voltage Directive 73/23/EEC, 93/68/EEC

**European Standards:** 

EN55022 1998 Class B EN55024 1998 EN61000-4-2 1995+A1 : 1998 EN61000-4-3 1996 EN61000-4-4 1995 EN61000-4-5 1995 EN61000-4-6 1996 EN61000-4-11 1994 EN61000-3-2 1995+A1+A2 EN61000-3-3 1995 EN60950 1992+A1+A2+A3+A4+A11

The product of safety has been evaluated to EN60950 and has been confirmed to comply with all related requirements of EN60950.

Importer / Distributor in EU:

Fujitsu Europe Ltd.,

#### Hayes Park Central, Hayes End Road, Hays, Middlesex, UB4 8FE, England, UK.

Place of Issue:	Japan	
Date of Issue:	October 18, 2001	
Authorized by:	Norio Kanemitsu	Signature
Title of Authority:	General Manager Development DIV. II	

e: N. Kanemato

PFU Limited Unoke-Machi, Kahoku-Gun, Ishikawa 929-1192, Japan