fi-718PR Imprinter

Operator's Guide
Introduction

Thank you for purchasing the fi-718PR Imprinter option (hereinafter referred to as the “Imprinter”) for the fi-7160/fi-7180 Color Image Scanner. This guide explains how to install, connect, operate, and take daily care of the imprinter. For further details about the functions and operations of the fi-7160/fi-7180 Image Scanner (hereinafter referred to as the “Scanner”), refer to the “fi-7160/fi-7260/fi-7180/fi-7280 Image Scanner Operator’s Guide” included in the Setup DVD-ROM provided with the scanner. We hope this manual will be helpful in your future use of the Imprinter.

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Manufacturer

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Abbreviations Used in This Manual

The operating systems and products in this manual are indicated as follows.

<table>
<thead>
<tr>
<th>Product</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows® XP Home Edition</td>
<td>Windows XP</td>
</tr>
<tr>
<td>Windows® XP Professional</td>
<td>XP (*1)</td>
</tr>
<tr>
<td>Windows® XP Professional x64 Edition</td>
<td>XP (*1)</td>
</tr>
<tr>
<td>Windows Vista® Home Basic (32/64-bit)</td>
<td>Vista (*1)</td>
</tr>
<tr>
<td>Windows Vista® Home Premium (32/64-bit)</td>
<td>Vista (*1)</td>
</tr>
<tr>
<td>Windows Vista® Business (32/64-bit)</td>
<td>Vista (*1)</td>
</tr>
<tr>
<td>Windows Vista® Enterprise (32/64-bit)</td>
<td>Vista (*1)</td>
</tr>
<tr>
<td>Windows Vista® Ultimate (32/64-bit)</td>
<td>Vista (*1)</td>
</tr>
<tr>
<td>Windows Server® 2008 R2 Standard (64-bit)</td>
<td>Server 2008 (*1)</td>
</tr>
<tr>
<td>Windows® 7 Home Premium (32/64-bit)</td>
<td>Windows 7 (*1)</td>
</tr>
<tr>
<td>Windows® 7 Professional (32/64-bit)</td>
<td>Windows 7 (*1)</td>
</tr>
<tr>
<td>Windows® 7 Enterprise (32/64-bit)</td>
<td>Windows 7 (*1)</td>
</tr>
<tr>
<td>Windows® 7 Ultimate (32/64-bit)</td>
<td>Windows 7 (*1)</td>
</tr>
<tr>
<td>Windows Server® 2012 Standard (64-bit)</td>
<td>Server 2012 (*1)</td>
</tr>
</tbody>
</table>

1: Where there is no distinction between the different versions of the above operating system, the general term "Windows" is used.

Conventions

Safety Information

The attached "Safety Precautions" manual contains important information about the safe and correct use of this product. Make sure that you read and understand it before using the scanner.

Arrow Symbols in This Manual

Right-arrow symbols (→) are used to separate icons or menu options you should select in succession.

Example: Click the [Start] menu → [Control Panel].

Screen Examples in This Manual

Microsoft product screenshots are reprinted with permission from Microsoft Corporation. The screen examples in this manual are subject to change without notice in the interest of product improvement. If the actual screen differs from the screen examples in this manual, operate by following the actual displayed screen while referring to the user’s manual of the scanner application you are using. The screen examples used in this manual are of the PaperStream IP (TWAIN) driver. The screenshots used in this manual are of Windows 7. The windows that appear and the operations differ by the operating system. Also note that with some scanner models, the screens and operations may differ from this manual when you update the PaperStream IP (TWAIN) driver. In that case, refer to the manual provided upon updating the driver.
1. Preparations

1.1. Checking the Package Contents

When you open the imprinter package, handle the main unit and its attachments carefully.

Make sure it contains all the parts listed in the package contents list that is included in the imprinter package box.

If any of the components are missing, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

1.2. Names of Component Parts

<Imprinter Unit>

Front

Back

<Inside of the Imprinter>
2. Installation

2.1. Installing the Imprinter

Install the imprinter in the following procedure.

1. Turn off the scanner, and disconnect the power cable.

2. Remove the stacker from the scanner as shown below.
   1) Hold the left side of the stacker with your left hand.
   2) Gently pull the stacker as you push against the scanner with your thumb.
      ① Push against the scanner with your thumb.
      ② Carefully pull the stacker out.
   3) Once the left arm of the stacker has been released from the scanner, remove the right arm.
      ATTENTION
      You must remove the stacker before installing the imprinter.

3. Install the scanner onto the imprinter.

Holding the scanner above the rear side of the imprinter, gently mount the scanner onto the imprinter while lowering it forward until it makes contact with the imprinter.

ATTENTION
Be careful not to have your fingers caught.

4. Raise the locks (x2) on the back of the scanner.

After installation
5. Turn the locks inwards.

6. Connect the EXT cable to the connector on the back of the scanner.

ATTENTION
The imprinter does not work if the EXT cable is not connected. Scanning without the EXT cable connected will cause paper jams inside the imprinter.

7. Attach the stacker (removed in step 2) on the front of the imprinter.

8. Connect the power cable to the scanner.

2.2. Loading the Print Cartridge

Load the print cartridge in the following procedure.

ATTENTION
When installing or replacing the print cartridge, be careful not to insert it out of place.

1. Turn off the scanner.
2. Open the print cartridge cover.

3. Remove the packing tape from the print cartridge holder and the paper guides.
4. Open the print cartridge holder by pinching and lifting up its locking lever with your fingers, as shown below.

5. Take out a new print cartridge.
6. Remove the protective tape from the print cartridge.

ATTENTION
Do not touch the metal part of the cartridge nor put the protective tape back on.
7. Place the print cartridge into the holder as shown below with its tab pointing to the right.

ATTENTION
Be careful not to let the print cartridge touch or catch onto the print circuit film.

8. Lower the locking lever of the print cartridge holder until it locks in place.

9. Position the print cartridge holder along where the document will pass through.

10. Close the print cartridge cover.

2.3. Test Print

After installing the print cartridge, check if the printing operation can be done.

HINT
For details about the operator panel, refer to “fi-7160/fi-7260/fi-7180/fi-7280 Image Scanner Operator’s Guide”.

1. Press the [Power] button on the operator panel on the scanner.
   ⇒ The [Ready] screen is shown on the LCD.

2. Load a blank document in the ADF paper chute (feeder).

   HINT
   ● Use an A4 or Letter size blank sheet. If the paper size is smaller than A4 or Letter, printing may not complete successfully.
   ● Confirm that the print cartridge is positioned within the document width.

3. Press the [Menu] button.

   ⇒ The [Settings Menu] screen is shown on the LCD.
4. Select [3: Test Print] by pressing the [△] or [▼] button, and press the [Scan/Enter] button. 
   ⇒ The [No. of Sheets Scanned] screen is shown on the LCD.

   ATTENTION
   If the Imprinter is disconnected or not connected properly, [Cannot use this function because the Imprinter is not connected.] is shown on the LCD.

5. Select [1: Single Sheet Only] or [2: Multiple Sheets] by pressing the [△] or [▼] button, and press the [Scan/Enter] button.
   When [2: Multiple Sheets] is selected, printing is performed for all sheets set in the scanner.
   ⇒ The [Print Pattern] screen is shown on the LCD.

6. Select a print pattern by pressing the [△] or [▼] button, and press the [Scan/Enter] button.

   HINT
   Print Test Patterns
   
   Test Pattern 1 (Horizontal):
   ABCDEFGHIJKLMNOPQRSTUVWXYZ[^_`00000000
   Test Pattern 2 (Horizontal):
   abcdefghijklmnopqrstuvwxyz[^_`00000000
   Test Pattern 3 (Horizontal):
   !#$%&'()*+,-./0123456789;:<=>?@[\]^_`00000000
   Test Pattern 4 (Vertical):
   ABCDEFGHIJKLMNOPQRSTUVWXYZ[^_`00000000
   Test Pattern 5 (Vertical):
   abcdefghijklmnopqrstuvwxyz[^_`00000000
   Test Pattern 6 (Vertical):
   !#$%&'()*+,-./0123456789;:<=>?@[\]^_`00000000
   The numbering data portion “00000000” changes from 0 (Zero) with increment of 1 (one).

   ⇒ The [Test Print] screen is shown on the LCD.

7. Select [1: Yes] by pressing the [△] button or [▼] button, and press the [Scan/Enter] button.
   ⇒ The test sheet will be fed into the ADF, and the imprinter will print out the Print Test Patterns starting at 5 mm from the document’s edge. (The range of error is ±4 mm.)

8. To stop Test Print, press the [Power] button on the operator panel on the scanner. The scanner will be turned off.
3. Basic Operation

3.1. Setting the Print Position

To position the print cartridge for printing:

1. Open the print cartridge cover.
2. Hold the print cartridge holder, as below, and slide it to the left or right within the document width to set it at a suitable print starting position.

HINT
- The triangle-shaped protrusion on the locking lever of the print cartridge holder indicates the current print position on the page.
- In the upper back of the print cartridge holder are the document size markings; use them to adjust for paper sizes and printing positions.
- Put the actual document in the ADF and confirm that the print cartridge is positioned within the document’s width.

Place the paper guides at the ends where the paper edges will pass through.

1. Load the document in the scanner.
2. Open the print cartridge cover.
3. Slide the paper guides to the left and right edges of the paper.

ATTENTION
Be careful not to let the paper guide touch or catch onto the print circuit film.

HINT
When you wish to print on a section near the edge of wide paper, remove the paper guide in order to open space for the print cartridge, and attach the removed guide in the center.

For Right-Edge Printing

For Left-Edge Printing

3.2. How to Use the Paper Guides

Use the paper guides to prevent paper jams due to curling of the edges, as shown below.
<To Remove the Paper Guides>
Pressing and holding together with your fingers, as below, lift up and pull away the guide.

<To Attach the Paper Guides>
4. Put the paper guides in place as in the picture on the left.
5. Push in the top portion of the guide to fit tightly.

3.3. Print Setup
You can configure settings for the imprinter by using the scanner driver’s setup dialog box.

**PaperStream IP (TWAIN) driver (Example)**
Configure the settings in [Imprinter] of the [Endorser] menu in standard mode.

HINT
The following items can be specified. For details, refer to PaperStream IP Driver Help.
- Imprinter status (On or Off)
- Whether the i-Cube driver is synchronized with the Digital Endorser
- Printing settings (such as font type, direction, imprinting start position, imprinting string, and initial, increased and decreased values for the counter)
3.4. Replacing the Print Cartridge

The print cartridge is a consumable.
Replace the print cartridge in the following procedure.

**ATTENTION**
- When the following message appears, replace the print cartridge as soon as possible. If you continue to print without replacing the cartridge, your print output will be faded.
- When loading or replacing the print cartridge, be careful not to insert it out of place.

1. Turn off the scanner.
2. Open the print cartridge cover.
3. Squeeze both ends of the print cartridge holder to release the print cartridge holder lock and lift it open.
4. Remove the print cartridge.
5. Remove the protective tape from a new print cartridge.
6. Insert the print cartridge with its tab to the right.
7. To install the print cartridge, gently lower the locking lever of the print cartridge holder until it locks in place.
8. Position the print cartridge holder along where the document will pass through.

**ATTENTION**
- Do not touch the metal part of the cartridge nor put the protective tape back on.
- Be careful not to let the print cartridge touch or catch onto the print circuit film.
- Note that when printing on the edge of the document, the print cartridge may print outside the document depending on its print position.
9. Close the print cartridge cover.

10. Turn on the scanner.
11. Reset the ink counter.

**ATTENTION**
Make sure to reset the ink counter after replacing the print cartridge.

1. Select the [Start] menu → [All Programs] → [fi Series] → [Software Operation Panel] (for Windows 2012 or Windows 8, right-click the Start screen, and click [All apps] on the app bar → [Software Operation Panel] under [fi Series]).

   ⇒ The [Software Operation Panel] dialog box appears.

2. From the listing on the left, select [Device Setting].

3. Click the [Clear] button for the remaining ink.

   ⇒ The counter is set to “100”.

4. Click the [OK] button on the [Software Operation Panel] dialog box.

   ⇒ A message appears.

5. Click the [OK] button.

   ⇒ The settings are saved.

**3.5. Removing Jammed Documents**

When a paper jam occurs, remove the document in the following procedure.

**ATTENTION**
Do not use force to pull out the jammed document.

1. Remove all documents from the ADF paper chute (feeder).
2. Open the print section by pulling it from the right side.

3. Open the ADF.

4. Remove the jammed document.
5. Close the ADF.
6. Close the print section.

ATTENTION
- Confirm that the ADF is closed before closing the print section.
- Be careful not to have your fingers caught.
- Do not move the imprinter or scanner while printing.
- When you are not using the imprinter for a long time, it is recommended to remove the print cartridge.
- Some ink will be consumed each time you turn on the scanner, even when the imprinter is not printing.
- To prevent damage, do not transport the imprinter when the scanner is installed.
4. Daily Care

4.1. Cleaning the Print Cartridge
Poor quality prints may occur due to blocked ink emission holes in the nozzle plate of the print cartridge. Leaving the imprinter unused for a long period of time can also cause the ink emission holes to become blocked. When these holes are blocked, clean the nozzle plate.

**ATTENTION**
For cleaning, use a dry cloth (DO NOT use tissues), and gently wipe any dirt and stains off on the nozzle plate.

**HINT**
If the ink emission holes are still blocked after cleaning the print cartridge, replace it with a new cartridge.

1. Turn off the scanner.
2. Remove the print cartridge.
   (Refer to “3.4. Replacing the Print Cartridge”)
3. Gently wipe any dirt and stain off the nozzle plate.
4. Confirm that the print cartridge is clean, and then install the print cartridge.
   (Refer to “3.4. Replacing the Print Cartridge”)

**ATTENTION**
Be careful not to touch the nozzle plate or the contact part with your hand.

4.2. Cleaning the Imprinter
After frequent use, the waste ink will begin to accumulate on the base surface of the print cartridge holder, which can soil printouts. Always maintain the base surface clean.

To assure high quality print outs and long use of the imprinter, adopt a daily maintenance procedure as given below.

**ATTENTION**
- When cleaning, wipe off gently all dust and ink on the base surface of the holder with a breathable cloth.
- If the ink has dried, wipe it lightly with a water-moistened cloth as the ink is water-based.

1. Turn off the scanner.
2. Remove the print cartridge.
   (Refer to “3.4. Replacing the Print Cartridge”)
3. Open the print section.
4. Wipe off any dirt or dust on the base surface of the print cartridge holder with a cloth.
5. Confirm that the print section is clean, and then close the print section.
6. Reinstall the print cartridge and close the print cartridge cover.
   (Refer to “3.4. Replacing the Print Cartridge”)

**ATTENTION**
Be careful not to touch the metal wheels located behind the upper rollers in the print section.
4.3. Cleaning the Rollers

When ink or dust from paper is stuck on the feed roller surfaces, documents may not feed smoothly. To prevent feed problems, clean the roller surfaces regularly.

**HINT**
Cleaning should be performed approximately every 1,000 sheets scanned. Note that this guideline varies depending on the types of documents you scan.

1. Open the print section.
2. Clean the six rubber rollers.
   - The rollers are located as indicated below.
   - Gently wipe the dirt and dust off the surface of the rollers with a cloth moistened with Cleaner F1.

   **ATTENTION**
   It may take a long time to dry if an excessive amount of Cleaner F1 is used. Use it in small quantity. Wipe off the cleaner completely to leave no residue on the cleaned parts.

   Clean the entire surface of the rubber rollers as you rotate them manually.

3. Clean the two idler rollers (black).
   - The rollers are located inside the print section as indicated below.
   - Put a piece of cloth moistened with Cleaner F1 against the roller surface, and gently wipe the rollers as you rotate them manually.

4. Confirm that the rollers are clean, and then close the print section.

4.4. Cleaning Materials

<table>
<thead>
<tr>
<th>Name</th>
<th>Part No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleaner F1</td>
<td>PA03950-0352</td>
<td>100 ml</td>
</tr>
<tr>
<td>Cleaning Wipe</td>
<td>PA03950-0419</td>
<td>24 packets <em>(1)</em>(2)</td>
</tr>
</tbody>
</table>

*1: For information about the cleaning materials, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
*2: Pre-moistened with Cleaner F1. It can be used instead of moistening a cloth with Cleaner F1.

**ATTENTION**
- In order to use the cleaning materials safely and correctly, read the precautions on each product thoroughly.
- It may take a long time to dry if an excessive amount of Cleaner F1 is used. Use it in a small quantity. Wipe off the cleaner completely to leave no residue on the cleaned parts.
5. Error Messages

This chapter explains the Imprinter error messages. Error messages are displayed on the operator panel of the scanner. Refer to the error code and message for troubleshooting.

### HINT

For details on the error messages displayed on the operator panel and other errors, refer to the "fi-7160/fi-7260/fi-7180/fi-7280 Image Scanner Operator’s Guide" included in the Setup DVD-ROM provided with the fi-7160/fi-7180.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Error Message</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>U5:4A (*)1</td>
<td>Imprinter Cover Open</td>
<td>Close the print section of the imprinter, and load the document again.</td>
</tr>
<tr>
<td>U6:B4</td>
<td>Print cartridge not installed</td>
<td>No print cartridge is installed. Check if the print cartridge is mounted correctly. If the problem persists, write down the displayed error code and contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.</td>
</tr>
<tr>
<td>U7:B9</td>
<td>Imprinting area error</td>
<td>Adjust the imprinting start position and the imprinter strings to fit the imprinting area in the document.</td>
</tr>
<tr>
<td>A0:B2</td>
<td>Imprinter error (RAM)</td>
<td>An error occurred in the Imprinter.</td>
</tr>
<tr>
<td>A1:B3</td>
<td>Imprinter error (communication timeout)</td>
<td>Try the following: 1. Confirm that the EXT cable of the imprinter is connected properly to the EXT connector on the back of the scanner. 2. Confirm that the print cartridge is installed correctly. 3. Turn the scanner off then back on. If the problem persists, write down the displayed error code and contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.</td>
</tr>
<tr>
<td>A2:B5</td>
<td>Imprinter error (print head)</td>
<td></td>
</tr>
<tr>
<td>A3:B6</td>
<td>Imprinter error (EEPROM)</td>
<td></td>
</tr>
<tr>
<td>A4:B8</td>
<td>Imprinter error (ROM)</td>
<td></td>
</tr>
<tr>
<td>H6:B1</td>
<td>Imprinter system error</td>
<td>An error occurred in the Imprinter. Turn the scanner off then back on. If the problem persists, write down the displayed error code and contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.</td>
</tr>
</tbody>
</table>

*1: When you open the imprinter print section while the scanner is in standby, only an error message will appear without an error code. Also, note that buttons on the operator panel are disabled while the imprinter print section is open.
## 6. Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Printing Method</strong></td>
<td>Thermal inkjet printing</td>
</tr>
<tr>
<td><strong>Print Timing</strong></td>
<td>Post printing</td>
</tr>
<tr>
<td><strong>Printing Characters</strong></td>
<td><strong>Alphabet</strong>: A to Z, a to z</td>
</tr>
<tr>
<td></td>
<td><strong>Numeric characters</strong>: 0, 1 to 9</td>
</tr>
</tbody>
</table>
|                               | **Symbols**: ! $ # % & ( ) * + , . / : ; < > ? @ { [ ] ^ _ ' { | } ^ |}
| **Maximum number of characters per line** | Maximum 43 characters                                                        |
| **Print orientation**        | Normal: 0º, 180º (horizontal), 90º, 270º (vertical)                         |
|                               | Narrow: 0º, 180º (horizontal)                                               |
| **Character size**           | Normal: Height 2.91 × width 2.82 mm (horizontal orientation), Height 2.82 × width 2.91 mm (vertical orientation) |
|                               | Narrow: Height 2.91 × width 2.12 mm (horizontal orientation)                 |
| **Character pitch**          | 3.53 mm (Normal), 2.54 mm (Narrow)                                          |
| **Font Style**               | Regular, Bold                                                               |
| **Character width**          | Normal, Narrow                                                              |
| **Document that can be scanned** | Documents supported by the fi-7160/fi-7180                                  |
|                               | For the details for fi-7160/fi-7260/fi-7180/fi-7280 Image Scanner Operator’s Guide “2.3 Documents for Scanning (ADF) Specifications”. Note that paper weight should be 52 to 127 g/m² (14 to 34 lb). |
| **ATTENTION**                | Documents with glossy surface such as thermal paper, thermal transfer paper, coated paper, and art paper take longer time for the ink to dry and may cause poor print quality. The imprinter must be cleaned more frequently if you use these types of papers. |
|                               | Thick plastic documents such as credit cards and ScanSnap Carrier Sheet cannot be scanned when the imprinter is installed. |
| **Printing area**            | A=5 mm                                                                     |
|                               | B=5 mm                                                                     |
|                               | C=5 mm                                                                     |
|                               | D=5 mm (0.20 in.)                                                          |
| **Accuracy of Printing position** | ±4 mm from the starting point for feed direction                          |
| **Dimension**                | Without scanner : 300(W) × 255(D) × 136(H) mm / 11.81(W) × 10.04(D) × 5.35(H) in. |
|                               | With scanner : 300(W) × 266(D) × 208(H) mm / 11.81(W) × 10.47(D) × 8.91(H) in. |
|                               | (Excluding the interface cable, ADF paper chute (feeder) and stacker)      |
| **Weight**                   | 2.7 kg (5.95 lb)                                                           |
| **Ambient condition**        | Temperature: 10 to 35°C (50 to 95 ºF), Humidity: 20 to 80%                 |
| **Consumable**               | Print Cartridge (P/N: CA00050-0262)                                         |
|                               | The printable number of characters: 4,000,000 characters (May decrease depending on the font selection) |
|                               | Replacement cycle : 4,000,000 characters or six months after opening       |

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**ATTENTION**

Do not print within 5 mm from the edge of the document.

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![Diagram of Printing Area](image-url)