

SII Printer Driver

for KPU-Sx47 series printer

User's Manual

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1. INTRODUCTION

This package includes the printer driver to enable use of the SII KPU-Sx47 series printer (hereinafter referred to as “printer”) for the English version of Microsoft Windows (hereinafter referred to as “Windows”).

This printer driver allows documents to be printed from any Windows application using the printer that is connected to a serial port, parallel port or USB (Universal Serial Bus) port.

Before installing the printer driver and utility software, read the following instructions.

2. SYSTEM REQUIREMENTS

2.1 Host Computer

PC-AT Compatible (DOS/V)

2.2 Operating Systems

- Microsoft Windows 2000 Professional English version (Service Pack 2 or later)

2.3 Communication

- Serial (RS-232C)
- Parallel (IEEE1284)
- USB

3. PRODUCT CONTENTS

3.1 The list of Product Package Files

- W2drv124U.exe: the printer driver for Windows 2000 Professional
- Manualu.pdf: this file you are now reading.

4. PRINTER DRIVER

4.1 Basic Specifications

4.1.1 Printing resolution

203 dpi (8 dots/mm)

4.1.2 Gray scale

2 scales/dot

4.1.3 Supported fonts

- TrueType fonts
- Printer fonts

4.1.4 Printer Models

- KPU-S447S/347S: for serial communication
- KPU-S447P/347P: for parallel communication
- KPU-S447U/347U: for USB communication


4.2 Installing the Printer Driver

4.2.1 Installation using the Add Printer function (excluding USB connection)

1. Copy the printer driver file to a floppy disk or the hard disk, before connecting the printer to the computer.
To copy the printer driver file, execute the printer driver installation file (.exe file) for the operating system you are using (Windows 95, 98, 2000 or NT as listed in section 3. above).
When you have completed copying the file, follow the instructions below to install the printer driver.
2. Select [Settings] – [Printers] from the Windows [Start] button, and open the Printers folder. If the KPU-Sx47 printer(s) is included in the Printers folder, delete all the KPU-Sx47 printers.
3. Double-click the Add Printer folder to display the Add Printer Wizard, and then click Next.
4. Select Local printer in the “How is this printer attached to your computer?” dialog box, and then click Next.
5. The “Click the manufacturer and model of your printer.” dialog box is displayed. Click the Have Disk in this dialog box.
Specify the disk and directory where you saved the file in number 1. above from the “Copy manufacture’s files from:” dialog box, (ex. A:\), and then click OK.
6. The printer model appears in the dialog box. Select the printer (SII KPU-Sx47) to be installed, and click Next.
7. Select the port you want to use (ex. LTP1) in the “Click the port you want to use with this printer” dialog box, and then click Next.
8. Type a name for the printer in the “You can type a name for this printer, or ...” dialog box, if needed.
If not needed, you do not have to change the default printer name that is displayed.
If you click Yes in the “Do you want your Windows-based programs to use this printer as the default printer?” dialog box, this printer will be set as the default printer.
9. Click No in the “Would you like to print a test page?” dialog box, and then click Finish.
If you click Yes, the printer will print a test page. However, because the paper for this printer is smaller

than A4 size, the test page may be printed incorrectly.

4.2.2 Notice

When the printer driver is already installed and the SII Printer Status Monitor is started (i.e. when the  icon on the task tray is displayed), be sure to install the driver after closing the SII Printer Status Monitor by selecting Exit(x) by right-clicking the icon.

4.2.3 Installation using the PnP (Plug and Play) function (excluding Windows NT and serial communication)

1. Before connecting the printer to the computer, copy the printer driver file to a floppy disk or the hard disk.
To copy the printer driver file, execute the printer driver installation file (.exe file) for the operating system you are using (Windows 95, 98, 2000 or NT as listed in section 3, above).
When you have completed copying the file, follow the instructions below to install the printer driver.
2. Select [Settings] – [Printers] from the Windows [Start] button, and open the Printers folder. If the KPU-Sx47 printer(s) is included in the Printers folder, delete all the KPU-Sx47 printers.
3. Shut down the computer. After connecting the printer to the computer using the proper cable, turn on the printer, and then turn on the computer.
4. The wizard to install the printer driver starts automatically.
In the “How do you want Windows to search for your new driver?” dialog box, select the “Find optimal driver for device in use (recommended), and click Next.
5. In the dialog box to enter the disk and directory to search for the driver, select the “Search for the driver from:” and specify the disk and directory where you saved the file in number 1. above, (ex. A:\), and follow the on-screen wizard’s instructions.
6. Type a name for the printer in the “You can type a name for this printer, or ...” dialog box , if needed.
If not needed, you do not have to change the default printer name that is displayed.
If you click Yes in the “Do you want your Windows-based programs to use this printer as the default printer?” dialog box, this printer is set as the default printer.
7. Click No in the “Would you like to print a test page?” dialog box, and then click Finish.
If you click Yes, the printer will print a test page. However, because the paper for this printer is smaller than A4 size, the test page may be printed incorrectly.

4.3 Setting Functions

4.3.1 Paper Selection

You can select the paper size the printer prints. A Basic (default) paper size and Custom size are available using this printer (only one size can be selected at a time). However, since the paper length to be actually fed out depends on the paper type selection mode. Please refer to the paper type selection in 4.3.2.

	Paper Width (mm)	Printing Width (mm)	Printing Width (dot)	Maximum Paper Length (mm)
1	58.0	54.0	432	431
2	60.0	56.0	448	416
3	66.0	62.0	496	377
4	76.2	72.0	576	326
5	80.0	72.0	576	326
6	82.55	80.0	640	294
7	112.0	104.0	832	223
8	Custom	See below.		

You can use the paper type shown in number 2. in the table above, to set the paper size you desire. When you select [Custom...] size from the "Paper Size" dialog box, the "Custom Paper Size" dialog box appears. In this box, specify the size you desire. The possible range for Custom size is as follows.

	Paper Width (mm)	Printing Width (mm)	Printing Width (dot)	Paper Length Range (mm)
1	58.0	54.0	432	40 to 431
2	60.0	56.0	448	40 to 416
3	66.0	62.0	496	40 to 377
4	76.2	72.0	576	40 to 326
5	80.0	72.0	576	40 to 326
6	82.55	80.0	640	40 to 294
7	112.0	104.0	832	40 to 223

4.3.2 Paper Type Selection

You can select the paper type.

Note: Normally, select "Paper without marker". To select "Paper with marker", you must use SII specified paper that has mark for reading on the back of paper. And select "Paper of fixed size" when you want to print out a fixed length paper.

4.3.3 Cutter Function

When the cutter is installed with the printer, you can select the type of paper cutting operation after printing. Cutting options supplied are: "Full cut" to cut the whole page, "Partial cut" to cut partially, and "Cutter not used".

4.3.4 Dithering

When printing images, the method for representing monochrome data in two values of black and white can be

selected. The specified settings for dithering determine how minute graphic images are printed.

4.3.5 Density

The printing density can be set between 70% and 130% (by increments of 10%).

Normally, use the printer at 100% or less. When printing at high density for a long period of time, the printer's head may be damaged.

4.3.6 Printing Quality

You can select either "Printing speed priority" or "Printing quality priority".

When printing images, we recommend selecting "Printing quality priority".

4.3.7 Fonts Selection

This function is for selecting the font used in character printing. You can select either "Use image" or "Use printer fonts". However, for normal printing, select "Use image".

Regarding printer fonts, this printer provides two printer fonts; 16-dot font and 24-dot font. Although the printer fonts are effective for high-speed printing, the printed layout may be broken because the printed character size is different from the size displayed in the application.

Therefore, when using the printer fonts, select "SII Original" in the character font type in the application, and set the font size to the size (16-dot or 24-dot) that you specified in this font selection. This will reduce errors during printing.

4.4 Status Function

4.4.1 Print Status Indication Function

This function displays the status of the printer using a dialog format.

The items to be displayed are changeable by using the utility software supplied with the printer driver. Since all items are not checked by default, if needed, check the indication item you desire to set it.

If one or more items are checked and the selected items are activated, the icons will be displayed in the task tray.

However, in order to use this function, the printer must support bi-directional communication and the printer setting for this function must be enabled.

Printer status dialogs that can be displayed are as follows.

- Offline (A printer is off-line condition.)
- Head cover open error (Cover of the printer-head is open.)
- Paper jam (Paper is jammed in the printer.)
- Auto cutter error (Printer is in an auto cutter error state.)
- Unrecoverable error (A printer is in a fatal error state.)
- Paper roll near-end detection (A printer is near end of paper.)
- Paper roll end detection (A printer is out of paper.)

* For each printer status, the message above () will be displayed.

4.5 Precautionary Information

1. When changing paper size, you must also change the printer's settings. For details, refer to the Technical Specifications for this printer.
2. The length of one page (maximum paper length) differs depending on the printed contents. The paper length to be fed out during printing is the length of the print data or the maximum paper length, whichever is shorter.
3. Due to the printer mechanism, some blank space may occur at the top and bottom of paper.
4. If serial communication is selected, printing speed may be remarkably reduced compared to other communication means. If you require high-speed printing, use any communication other than serial communication.
5. This printer is for use with bi-directional communication. If the [Enable bi-directional support for this printer] is not specified, print status or error notice/warning will not be displayed.
6. Since the paper used in this printer is smaller than A4 size (normally, A4 size paper is used for test printing), printing of the entire test page is impossible.
Note that some parts are not printed during test printing.
7. If the [Use printer fonts] is selected in the font function, all modifications that were specified for characters are ignored.
8. If [Use printer fonts] in the font function is selected, the displayed contents of the application may be different from the printed version. If you specify a different character size in the application from the size specified with the printer font, characters will be overlapped or character spacing will be enlarged.
9. If [Use printer fonts] in the font function is selected, characters that exceeded the printing width cannot be printed, due to number 8 above. To avoid this, select "Use image".
10. The Unidrv.DLL (Windows 95/98) necessary for this printer driver to work is provided by Microsoft Corporation. Install the file from the Windows CD-ROM, if needed.
11. If you want to view descriptions of property settings, click the [?] button on the upper right corner of the printer property screen, place the [?] over the function in question, and click the left mouse button. A brief description will be displayed.
12. For details on the printer, refer to the Technical Specifications or Technical Reference for this printer.
13. The utility software supplied together with the printer driver enables printer hardware setting, test printing, hardware resetting, function setting for status indication and automatic paper collection time setting of the presenter from the computer.
14. This printer driver supports only printing via the spooler. Therefore, If the [Print directly to the printer] is specified, a printing will be failed and it shouldn't be selected.

5. EXEMPTION FROM RESPONSIBILITY

SII has carefully developed this product, so that problems do not occur.

However, SII is not liable for any damages, loss, etc., caused by or relating to the use of this product.

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