

## KPU-S series printer

### Printer driver for Microsoft® Windows®XP/2000

Seiko Instruments Inc. (hereinafter referred to as “SII”) provides the printer driver for for the KPU-S347/S447 printer (hereinafter referred to as “printer”) that works with the Microsoft® Windows® XP/2000 English version. Please read this document before using the printer driver on Windows XP/2000

## System Requirements

### Host Computer

- ◆ PC-AT compatible

### Operating System

- ◆ Microsoft Windows 2000 Professional (Service Pack 4 or later)
- ◆ Microsoft Windows XP Home Edition (Service Pack 1 or later)
- ◆ Microsoft Windows XP Professional Edition (Service Pack 1 or later)

### Interfaces

- ◆ Serial Communication (RS-232C)
- ◆ Parallel Communication (IEEE1284)
- ◆ Universal Serial Bus (USB)

### Function Settings on the Printer (Refer to the KPU-S347/KPU-S447 PRINTER UNIT TECHNICAL REFERENCE.)

- |         |                |  |
|---------|----------------|--|
| ◆ SW1-7 | Driver         | SII  |
| ◆ SW1-8 | I/O Reset      | Enable (in parallel/USB connection)<br>Disable (in serial connection)    |
| ◆ SW2-7 | Mark           | Non mark (when not using marked paper)<br>Mark (when using marked paper) |
| ◆ SW3-1 | Busy condition | Full   |
| ◆ SW3-3 | Status         | Disable (in parallel connection)   |
| ◆ SW3-4 | Bit length     | 8 (in serial connection)   |

### Miscellaneous

- ◆ In serial communication, the communication settings on the computer side and the printer side must be the same.
- ◆ The communication port setting must be bi-directional.

## Printer Driver Basic Specifications

### Resolution

- ◆ 203 dpi (8 dots/mm)

### Gray scale

- ◆ 2 scales/dot

### Supported Fonts (only when using the device font version's printer driver)

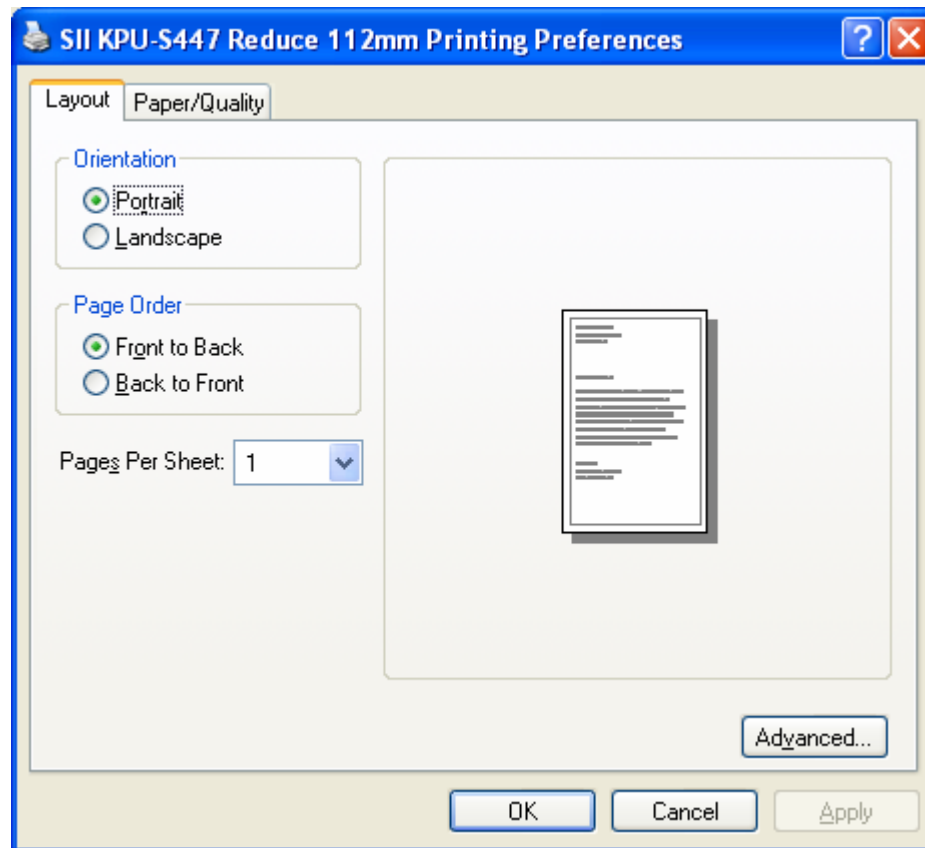
- ◆ TrueType font
- ◆ Printer font (SII Original 16-dot font)
- ◆ Printer font (SII Original 24-dot font)

## Printing Preferences

Set the layout, etc., for printing in Printing Preferences.

## Layout Sheet

In the layout sheet, print orientation, page order and pages per sheet can be set.



### Orientation

Select either Portrait or Landscape as the paper orientation for printing.

### Page Order

Select the page order of the document to be printed.

[Front to Back] : The Front to Back prints the document so that the first page of the printed document is on top.

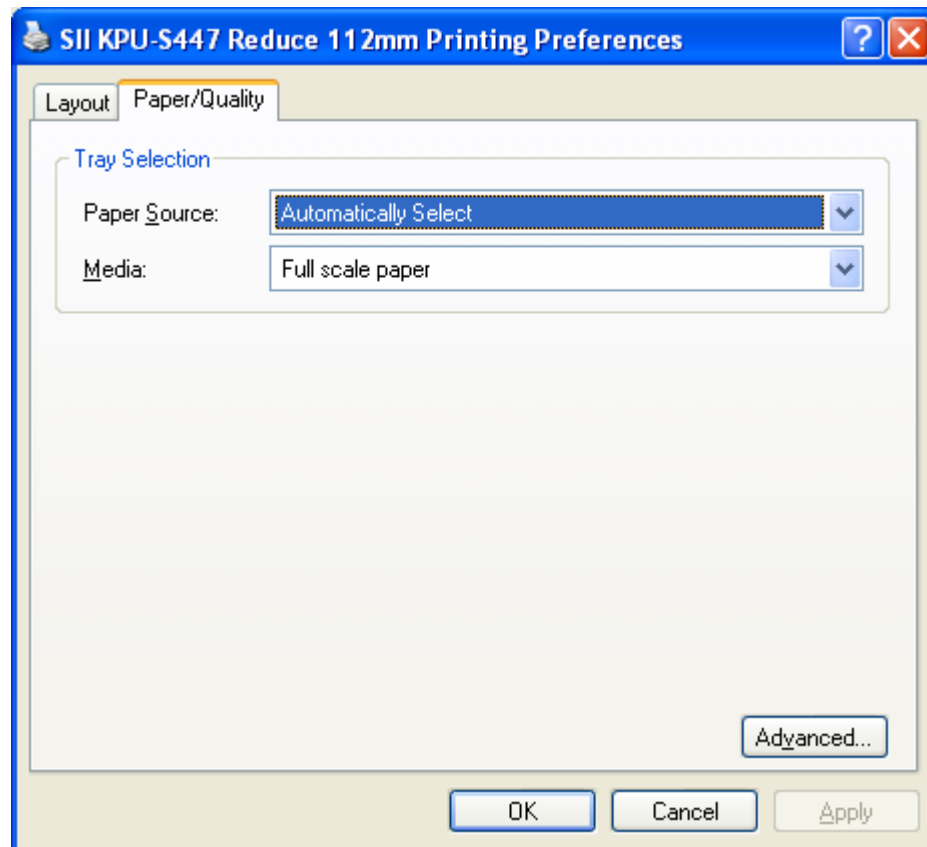
[Back to Front] : The Back to Front prints the document so that the first page of the printed document is at the bottom.

### Pages Per Sheet

Specify how many pages should be printed in one sheet.

## Paper/Quality sheet

The setting of the Paper Source can be performed in the Paper/Quality sheet.



This is image of the printer driver's model which can support reduction.

## Pages Source

Use [**Automatically Select**] that is set as default for this setting.

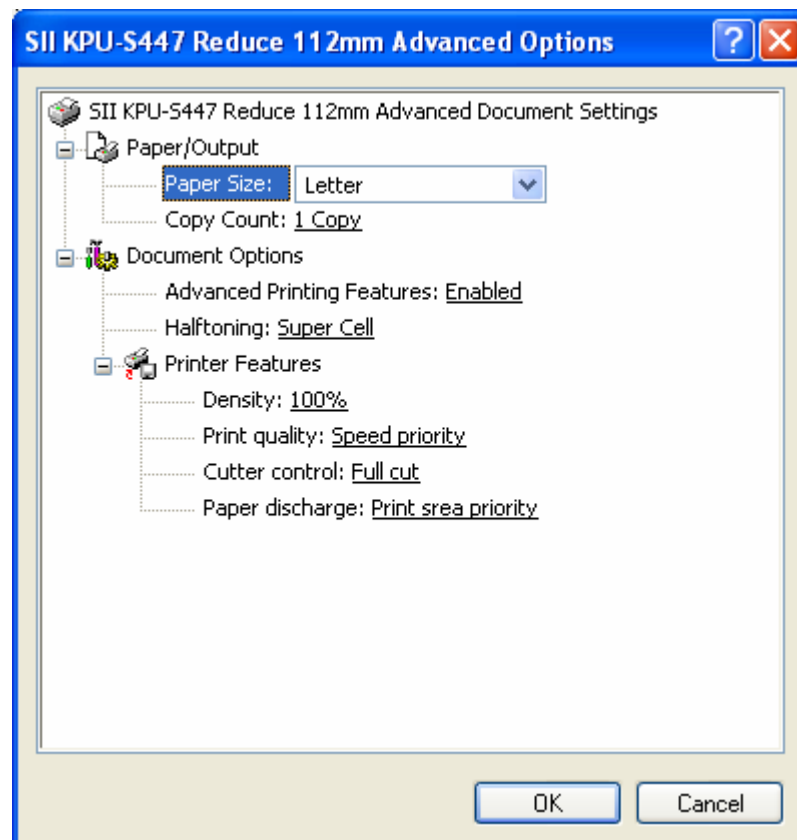
## Media

It can select the kind of form to be printed. Normally, a [Full scale paper] is used for printing without reduction. If selecting [Wide size paper], then a image reduced from letter size to fit with KPU-S printer is printed. When a image of letter size is actually printed, it needs to choose the [Wide size paper] on this sheet, and the letter size from [paper size] of the [Advanced Option].

**This Item is displayed at only the driver's model which can support reduction.**

## Advanced Options dialog

Clicking the [Advanced] button on the Layout or Paper/Quality sheet displays the Advanced Options sheet shown below. In the Advanced Options sheet, paper size, copy count, half toning, etc., can be selected.



### Paper Size

Specify the paper size from a menu.

Some new size papers can be registered from the Print Server Properties. Please refer to [Setting of Paper types]

### Copy Count

Specify the number of copies to print.

### Advanced Printing Features

Specify whether or not the advanced function of printing is enabled.

### Half toning

Specify the type of dithering.

The settings of the dithering selected determine how fine a graphics image is printed.

[Super Cell]: 2-level gray scale is performed using the dither of a Super Cell.

[Dither 6x6]: 2-level gray scale is performed using the dither of 6x6.

[Dither 8x8]: 2-level gray scale is performed using the dither of 8x8.

None: 2-level gray scale is performed using the dither of 2x2.

## Density

Specify the print density.

Settable range: [70%], [80%], [90%], [100%], [110%], [120%], [130%]

**When printing is performed for a long time at a high density, the print head of the printer may be destroyed.**

## Print Quality

Specify the print quality.

[Speed] : Normal printing

[Quality] : High quality printing

If some image or picture is printed, then it recommended to select [Quality].

## Cutter Control

Select cutter operation after printing.

[Full cut]: Paper is fully cut.

[Partial cut]: Paper is partially cut.

[Not cut]: Paper is not cut.

## Paper Output

Select the area or size of output paper.

[Print area priority] : Outputs the length up to where a print image exists.

[Paper size priority] : Outputs the paper size set regardless of a print image.

## About Print Properties

A property sheet carries out the right click of the icon of a printer from a printer holder, and clicks and opens [a property (R)] from the displayed sub menu.

**About the property sheet of a printer, please use as default setting without serial communication setting.**

## Setting of Paper Types

The list of the paper size which can be used below is indicated.

A paper size can be registered newly in addition to the paper size by which standard registration is carried out. Please refer to the "new paper size registration method" about the registration method.

How to see a paper size table.

Name of driver models	Size		
KPU-S347 Reduce 112mm	Standard registration paper		58mm×290mm A4、Letter
	New registration paper	W	112mm
		H	40mm ~ 3276.7mm

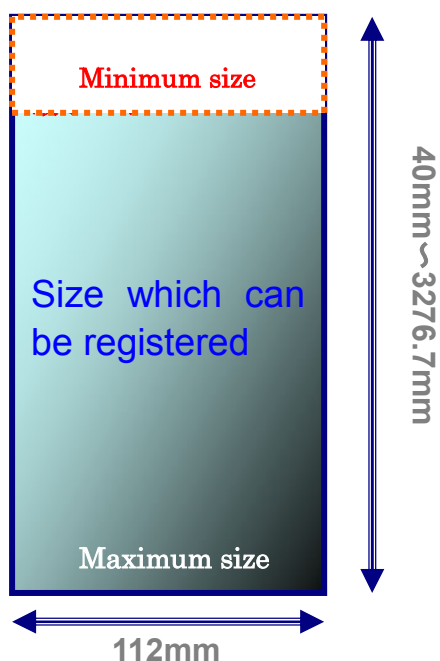
**Name of driver models** : The model name of the printer driver chosen at the time of installation

**Standard registration paper** : The paper registered as standard after installation.

**New registration paper** : The paper which a user can register newly.

The registration size range of a new paper

Ex. "KPU-S447 Reduce 112mm"



## The list of paper size

### Paper of Reduce Edition (Support reduce print)

Name of driver model	Size		
KPU-S447 Reduce 112mm	Standard registration paper		112mm× 220mm、 A4、 Letter
	New registration paper	W	112mm
		H	40mm ~ 3276.7.mm
KPU-S347 Reduce 82.55mm	Standard registration paper		82.55mm×290mm A4、 Letter
	New registration paper	W	82.55mm
		H	40mm ~ 3276.7.mm
KPU-S347 Reduce 80mm	Standard registration paper		80mm×290mm A4、 Letter
	New registration paper	W	80mm
		H	40mm ~ 3276.7.mm
KPU-S347 Reduce 76.2mm	Standard registration paper		76.2mm×290mm A4、 Letter
	New registration paper	W	76.2mm
		H	40mm ~ 3276.7.mm
KPU-S347 Reduce 66mm	Standard registration paper		66mm×290mm A4、 Letter
	New registration paper	W	66mm
		H	40mm ~ 3276.7.mm
KPU-S347 Reduce 60mm	Standard registration paper		60mm×290mm A4、 Letter
	New registration paper	W	60mm
		H	40mm ~ 3276.7.mm
KPU-S347 Reduce 58mm	Standard registration paper		58mm×290mm A4、 Letter
	New registration paper	W	58mm
		H	40mm ~ 3276.7.mm

**Paper list of Device Font Edition (Support device font print)**

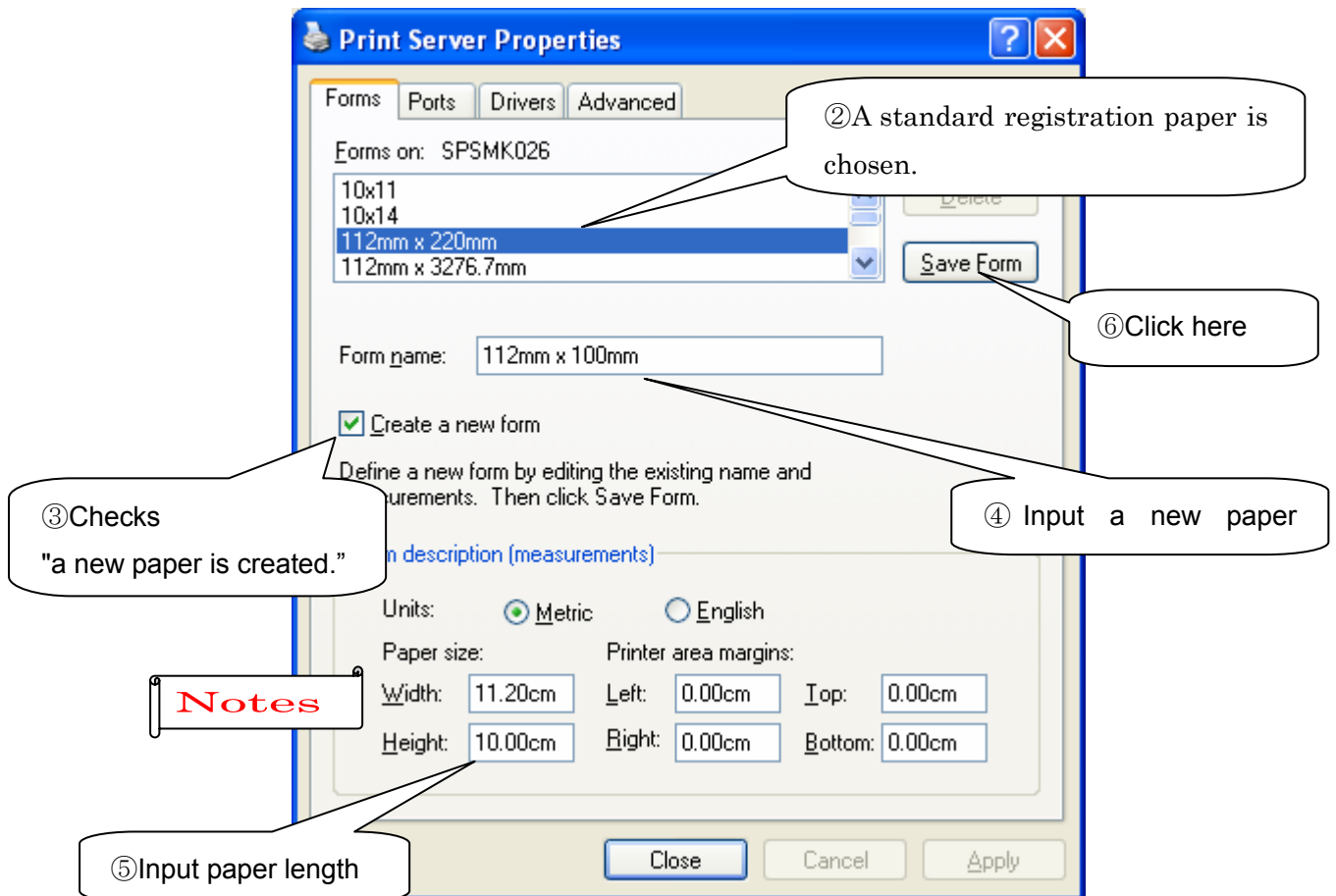
Name of driver model	Size		
<b>KPU-S447 Reduce 112mm</b>	Standard registration paper		112mm× 220mm
	New registration paper	W	112mm
		H	40mm ~ 222.mm
<b>KPU-S347 Reduce 82.55mm</b>	Standard registration paper		82.55mm×290mm
	New registration paper	W	82.55mm
		H	40mm ~ 290.mm
<b>KPU-S347 Reduce 80mm</b>	Standard registration paper		80mm×290mm
	New registration paper	W	80mm
		H	40mm ~ 322.mm
<b>KPU-S347 Reduce 76.2mm</b>	Standard registration paper		76.2mm×290mm
	New registration paper	W	76.2mm
		H	40mm ~ 322.mm
<b>KPU-S347 Reduce 66mm</b>	Standard registration paper		66mm×290mm
	New registration paper	W	66mm
		H	40mm ~ 374.mm
<b>KPU-S347 Reduce 60mm</b>	Standard registration paper		60mm×290mm
	New registration paper	W	60mm
		H	40mm ~ 412.mm
<b>KPU-S347 Reduce 58mm</b>	Standard registration paper		58mm×290mm
	New registration paper	W	58mm
		H	40mm ~ 428.mm



## The registration method of a new paper

How to register a paper into the following newly is indicated..

1. Choose [Server properties] from a [printer holder] menu, and open [Print server properties].
2. Display a [Form] sheet and choice Standard registration paper (A4 and Letter size are removed) into a selection state.
3. Checks "Create a new form".
4. Input a new paper name into a [Form name].
5. Input paper length into [Height] of [Form description [measurements] ].
6. Clicking [Save Form] finally, registration is completion.



### Notes

The paper width size on a paper name may differ from [Width] size of [Form description [measurements] ]. (58/60/66 mm width paper) And please don't change the value of [Width].

## Device font list

In the device font version's printer driver, the following device font (font installed in the printer) can be used. The device font is effective for printing at high speed.

**The device font cannot be used with the reduction print version's printer driver.**

No	Device font name
1	SII Original 5.5pt (24 dots)
2	SII Original 8.5pt (16 dots)

## How to Use Device Font

The following shows the device font output methods:

1. Select a character string to output with a device font.
2. Set a font list of the application to [SII Original].
3. When specifying the number of a point (font size) with the application, specify 5.5 or 8.5 points.

If printing is performed under the above settings, only the specified character is printed with a device font.

When a font size other than 5.5 or 8.5 points is specified as the point number of the device font, it differs depending on the application whether or not the device font is output.

## Notes

1. Due to the printer mechanism, some blank space or error occur at the top and bottom of paper.
2. If serial communication is selected, printing speed may be remarkably reduced compared to other communication means. If high speed printing is preferred, use a communication method other than serial communication.
3. This printer is for use with bi-directional communication. If the [Enable bi-directional support for this printer] is not specified, it does not operate properly.
4. When a test page except for the device font version and A4/Letter sizes is printed, since the paper supported in the printer driver is smaller than A4 size (normally, A4 size paper is used for test printing), printing of the entire test page is impossible. However, this symptom is not a failure.
5. Refer to the TECHNICAL SPECIFICATIONS or TECHNICAL REFERENCE of the printer for details of the printer.
6. A printer hardware setting, a test printing, a hardware reset and presenter paper automatic collection time setting can be performed from a computer using the attached software.
7. This printer driver supports printing via the spooler. Warranty will not apply if the "Print directly to the printer" is selected in the printer properties.
8. A device font cannot be printed about the printer driver of this model. In printing a device font, the printer driver of another model is needed.

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