

# Logo Store Printer Driver

Specification and User Manual

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## Concept Description

Star Micronics printer models TUP900, TSP800, TSP700, TSP600, TSP1000 and TSP800L feature Logo Storage and Printing capabilities. Logo graphics are stored into the printer's flash-ROM for printing at a later point. The primary motivation behind the use of Logo storage within the printer is to generate a highly graphical receipt while sending only a small amount of data. The result of sending only a small amount of data is increased receipt throughput.

These are a few typical uses of Logo Storage and Printing:

1. Add your company logo to the top of every receipt
2. Present a graphic corresponding to the items on the receipt
3. Add coupons or vouchers to the end of the receipt
4. Generate unchanging tickets, coupons, or vouchers with high throughput

When using Logo Storage and Printing capabilities the volume of receipt data will be significantly reduced, resulting in faster printing.

The Star Logo Store Printer driver is used to store Logo graphics into the printer. When using this driver you can create a Logo within any Windows application using any type of document (i.e. MS Word, MS Excel, Photoshop, etc.). The document should be setup for the predefined page size supported by the driver. These page sizes allow for the creation of logo graphics that will appear on the screen and print with an exact 1:1 correspondence; what you see is what you get. Each page within the document will correspond to one Logo Storage Location within the printer; page one of the document corresponds to logo one, page two to logo two, and so on.

Once the document has been created simply print the document as you normally would. The driver will then store all logos into the printer and output a confirmation print at the end.

After this is complete these logos can be accessed from your receipting software via the Star Line Mode logo print command (<ESC><FS>p n m).

Please note that this procedure is exactly what you would do to print a document to the printer. There is no need to save the logo graphics into separate BMP files. In addition, all Windows software capable of printing can be used in the creation of logo graphics.

## Specification

<b>Attribute</b>	<b>Specification</b>
Printer Models Supported	TUP900, TSP800, TSP700, TSP600, TSP1000, TSP800L
Communications Methods	Serial, Parallel, USB, Ethernet
Operating Systems	Windows 2000 and Windows XP (English or Japanese)
Driver Distribution Files	lspd.inf (1251 bytes)
	lspd.gpd (3602 bytes)
	lspd_uni.dll (12288 bytes)
	lspd_uni.ini (45 bytes)
Version	0.3.1281.2
Release Date	12/09/2005

## Installation Instructions

These instructions represent the steps required to install the LSPD into Windows 2000/XP.

The following files and materials are required:

1. lspd.inf
2. lspd.gpd
3. lspd\_uni.dll
4. lspd\_uni.ini
5. Windows installation CD, CAB files, or other Windows setup source

Procedure:

1. Go to the Windows Start Menu, enter the Setup sub-menu, and click on Printers
2. Double click on the Add Printer icon
3. Click Next
4. Choose Local Printer and click Next
5. Choose the Port to which the printer will be connected and click Next
6. Click Have Disk, click Browse and navigate to the location of lspd.inf, click OK
7. Choose the following model:  
- Star Logo Store Printer  
Click Next
8. Enter the name for the printer (typically the default name is fine), designate if this printer is to be the Default Printer (typically it will NOT be), and click Next
9. Choose No for the test page option and click Finish to complete the sequence
10. If prompted for Windows installation files, please direct the system to their source (either a file path on the local hard-drive, the CD-ROM drive, or other source)

## Usage Instructions

This procedure will explain how to create a series of logo graphics within a typical Windows application and then initiate their storage into the printer via the Star Logo Store Printer driver.

1. Open Windows application capable of printing
2. Create a new document
3. Configure the software so that it will be used with the Star Logo Store Printer driver.  
This is typically done by entering the applications file menu and choosing Page Setup or Print Setup.
4. Configure the document for the drivers pre-defined page size  
For example, when used with the TUP900 or the TSP800 or the TSP800L, the correct page size is: 104mm \* 288mm.  
When using the TSP1000, the correct page size is: 80mm \* 288mm.  
When using the TSP700 or the TSP600, the correct page size is: 72mm \* 288mm.

Be sure to zero all margins within the Page Setup. The use of margins will cause the pages displayed on the screen and their printing to differ.

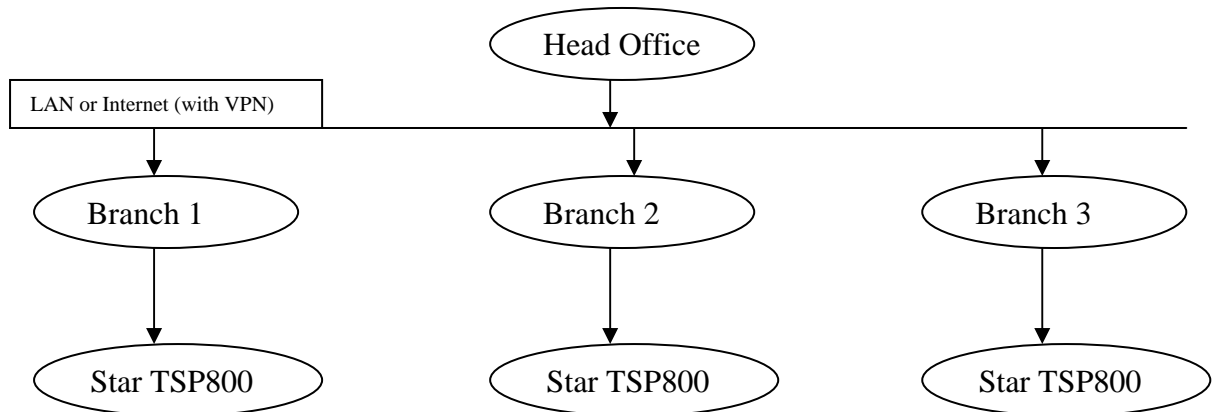
5. Create a design on the document's first page (using text, graphics, or a combination of the two)
6. Force a second page of the document (i.e. within MS Word, press the Ctrl and Enter key simultaneously)
7. Create the second logo and repeat from step 5 for all required Logos.  
Please note that page 1 of the document corresponds to Logo 1 within the printer, page 2 of the document corresponds to Logo 2, and so on. There can be up to 255 logos stored into the printer (the corresponding document would have 255 pages). Blank pages translate into blank logos, and WILL count in the page / logo enumeration as described above.
8. From the application's File menu choose the print command and print the document. Be sure to direct the output to the Star Logo Store Printer driver.
9. Verify that the logos have been stored correctly within the printer by checking the printer's output.

Note:

When using the TSP600 in a parallel configuration, occasionally the logos will not be printed. This is due to an uncorrectable timing incompatibility between the printer's hardware and the Windows printing system. The logos were most likely stored into the printer correctly, but please verify this before using the printer in a commercial situation.

## Networked Logo tore

The Star LogoStore Printer driver can be used in conjunction with the Windows Printer Sharing and Networking system. This allows for the storage of logos into a remote printer. The typical usage of this is when there is a head office – branch office location distribution, where the head-office performs all system maintenance for the branch offices. The following graph illustrates this configuration:



### Setup procedure:

1. Install the driver and printer into the Branch office computer (see the previous procedure)
2. Enable printer sharing on the Branch office computer (this is a Network property, please see Microsoft's documentation for assistance)
3. On the Head office computer, locate the branch office computer within Network Neighborhood. Once located, browse the branch computer and locate the shared printer.
4. Right click on the branch offices shared printer and choose install, following the installation procedure are prompted by Windows.

### Usage procedure:

1. Create or open a document that has been formatted for use with the Star LogoStore Printer driver (see the previous procedure).
2. From the applications file menu, print this document to the newly installed remote printer
3. Monitor the print job from within the print queue on the Head office computer. If the print job is not present within the queue that means that it has already been successfully completed. If the print-job remains in the queue and the job's status is set to "Error-Printing" then there is a problem with the printer at the branch office. In this case, please arrange for the printer to be serviced at the branch office. Servicing a printer in this case can be as simple as turning it on, adding paper, or connecting it.

## Sample Documents

The following documents have been provided as an example of how to create a document for use with the Star Logo Store printer driver.

1. 104mm\_LogoStoreSample\_Excel.xls
2. 104mm\_LogoStoreSample\_Word.doc
3. 80mm\_LogoStoreSample\_Excel.xls
4. 80mm\_LogoStoreSample\_Word.doc
5. 72mm\_LogoStoreSample\_Excel.xls
6. 72mm\_LogoStoreSample\_Word.doc

The files with a .doc extension are for use with Microsoft Word, and those with the .xls extension are for use with Microsoft Excel.

Please be sure to install the Star Logo Store Printer driver for your printer before attempting to use these files. Also, be sure that the driver you install and the file you use match the printer being used (i.e. the TUP900 or the TSP800 or the TSP800L goes with 104mm\_LogoStoreSample\_Excel.xls, the TSP1000 goes with 80mm\_LogoStoreSample\_Excel.xls, and the TSP700 or the TSP600 goes with 72mm\_LogoStoreSample\_Excel.xls).