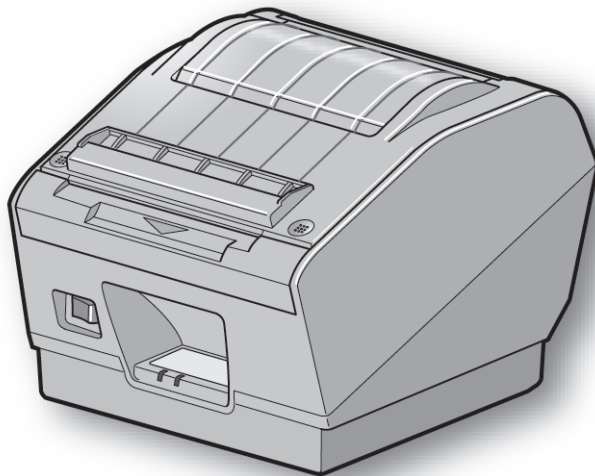


Label Printer
TSP828L

PageMode Utility Manual



Index

Introduction	1
1. Installation	1
2. Operating Procedures Dialog.....	2
2-1 First Dialog.....	2
2-2 Communication Port	2
2-3 Command Check	3
2-3-1 Select Print Mode.....	3
2-3-2 Command Check.....	3
2-3-3 Define Character String Format	4
2-3-4 Command Check.....	4
2-3-5 Command Check.....	5
2-4 General Status.....	6
2-5 Memory Switch	6
2-5-1 Edit Memory Switch 0	6
3. Setting the DIP Switches to Support Vendor Class.....	7
4. History.....	8

Introduction

Use this utility to check STAR Page Mode commands, and the operation of ASB status.

Still, set the DIP switches as follows to correspond to PageMode.

DIP switch 1-1 = OFF , 1-2 = ON

For information about the printer's DIP switches, refer to the Product Specifications Manual (issued separately).

1. Installation

This utility conforms to Windows 2000 / XP / Vista(32bit) / 7(32bit).

To use it with Windows 2000 / XP / Vista(32bit) / 7(32bit), this utility must first be installed.

Set the accessory printer driver utility CD-ROM in your CD-ROM drive and install the software.

Refer to the Printer Driver Software Manual for details on installation.

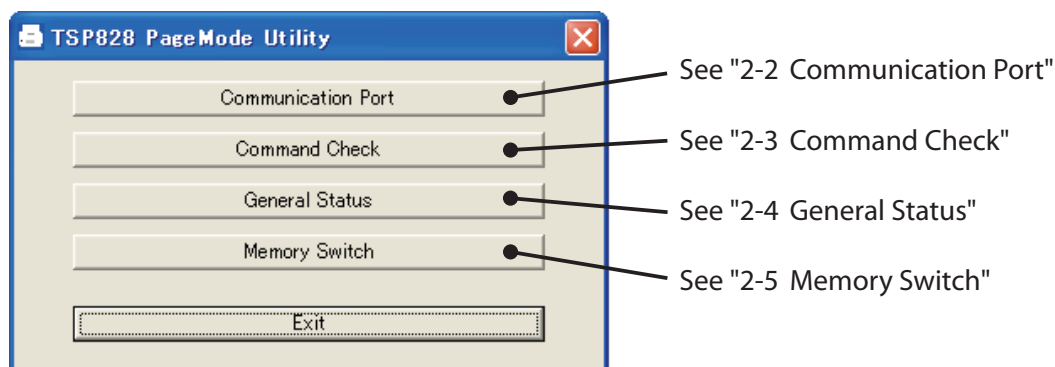
The printer driver and the Page Mode utility will be installed at the same time, unless you customize your installation.

To startup the Page Mode Utility, select [Start] - [Programs] - [Star Micronics] - [TSP828L] - [Utility] - [Page Mode Utility].

2. Operating Procedures Dialog

2-1 First Dialog

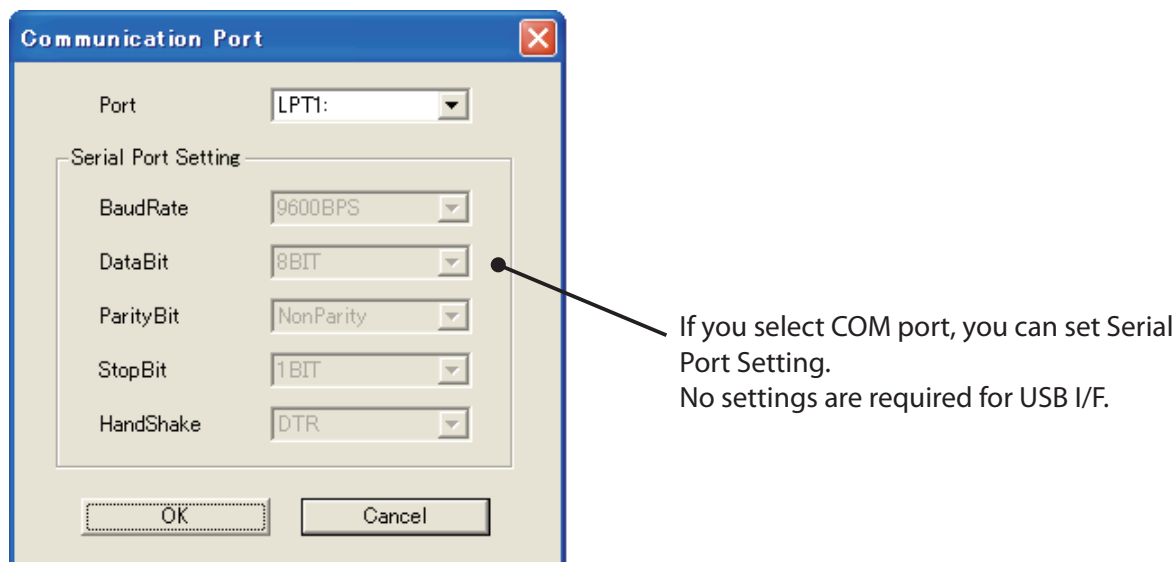
Select item what you want to set.



2-2 Communication Port

Sets the communication port. (Default port is LPT1)

This utility supports LPT (parallel I/F), COM (serial I/F), and USB I/F (vendor class).

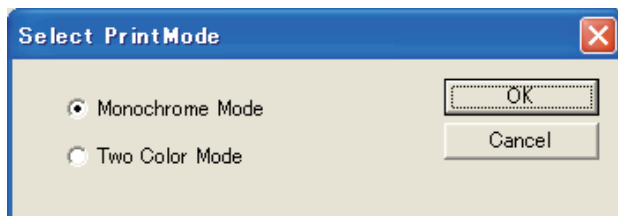


Note: It is necessary to change the DIP switch settings to support USB I/F (Vendor Class).

2-3 Command Check

2-3-1 Select Print Mode

Selects Monochrome or Two Color Mode. When selected, click on **OK** to open the next dialog box.
(See section 2-3-2.)

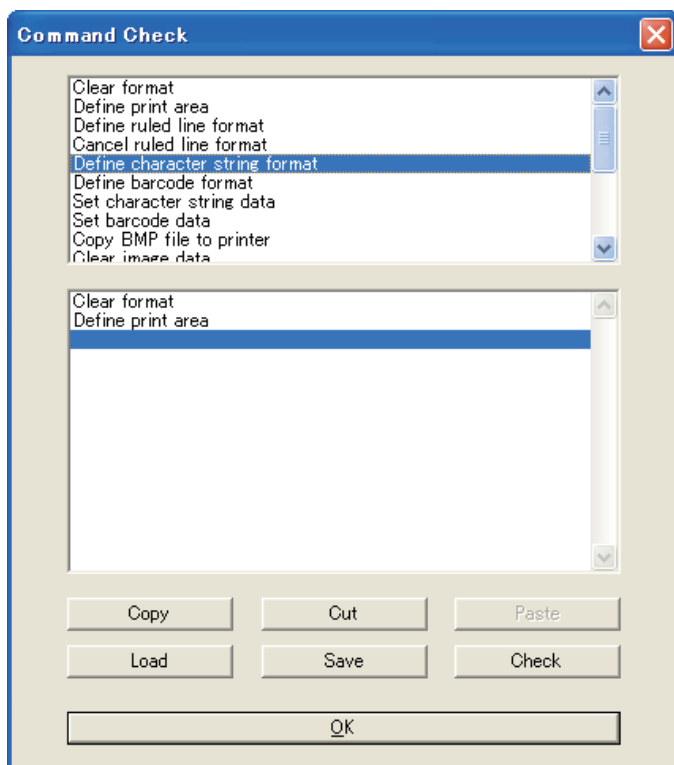


2-3-2 Command Check

Sets the commands what you want to check.

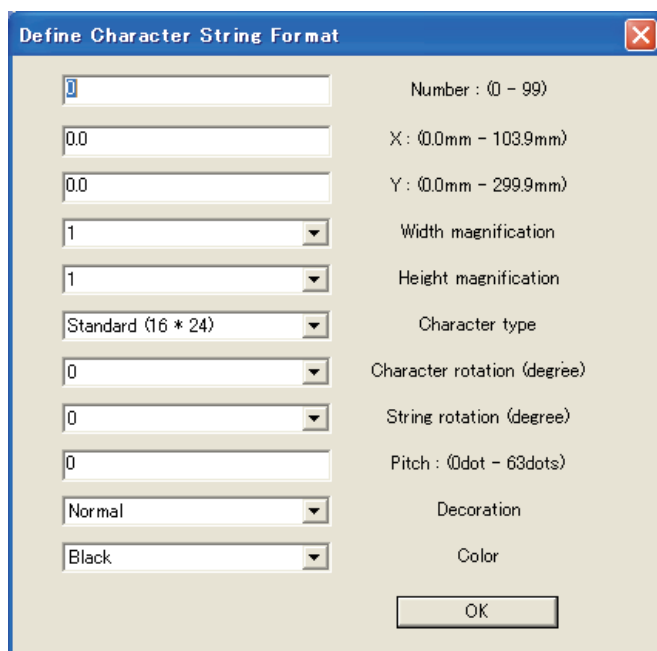
After you select a command in the upper listbox, the command is indicated in the lower listbox.
When you need to set some parameters, the dialog for parameter setting (See section 2-3-3.) is opened.

Refer to "Table of Selectable Commands".



2-3-3 Define Character String Format

Sets the necessary parameters and click the **OK** button.
Then the command is indicated (See section 2-3-4.).



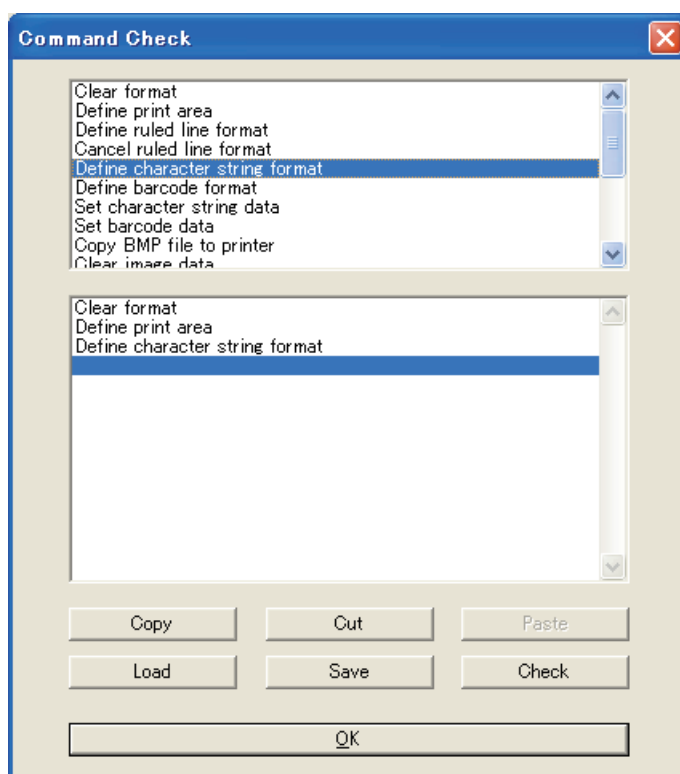
The 'Define Character String Format' dialog box contains the following controls and labels:

- Number: (0 - 99) [Input: 0]
- X: (0.0mm - 103.9mm) [Input: 0.0]
- Y: (0.0mm - 299.9mm) [Input: 0.0]
- Width magnification [Input: 1]
- Height magnification [Input: 1]
- Character type [Input: Standard (16 * 24)]
- Character rotation (degree) [Input: 0]
- String rotation (degree) [Input: 0]
- Pitch: (0dot - 63dots) [Input: 0]
- Decoration [Input: Normal]
- Color [Input: Black]
- OK button

2-3-4 Command Check

After setting the parameters, the selected command is indicated in the lower listbox.

When you want to change some parameters, Double-click the command in the lower listbox.
Then you can reset the command.



The 'Command Check' dialog box contains the following controls and labels:

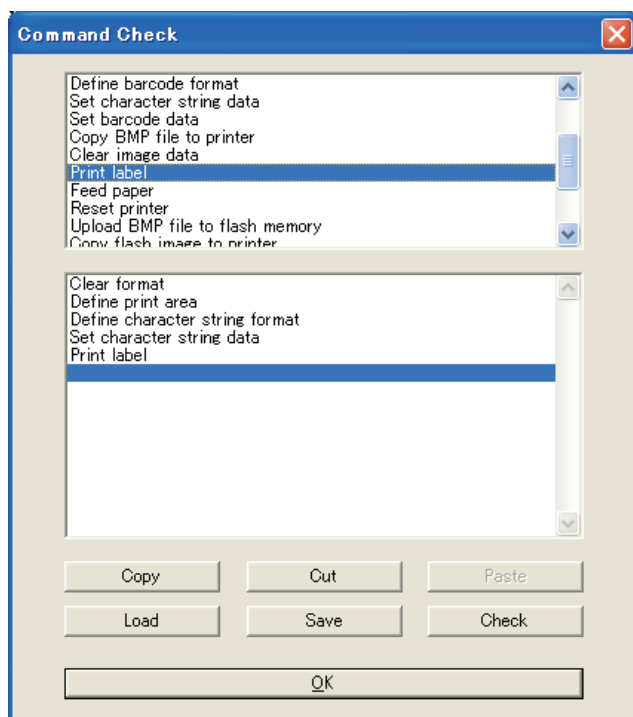
- Upper listbox (commands):
 - Clear format
 - Define print area
 - Define ruled line format
 - Cancel ruled line format
 - Define character string format (highlighted)
 - Define barcode format
 - Set character string data
 - Set barcode data
 - Copy BMP file to printer
 - Clear image data
- Lower listbox (selected commands):
 - Clear format
 - Define print area
 - Define character string format (highlighted)
- Buttons: Copy, Cut, Paste, Load, Save, Check, OK

2-3-5 Command Check

After command setting, click the **Check** button. Then, command code is sent to the printer.

When you want to save the commands to your computer, click the **Save** button and name the file whose extension is ".pmd." By clicking the **Load** button, you can reload this file.

These commands are maintain until you finish using this utility.



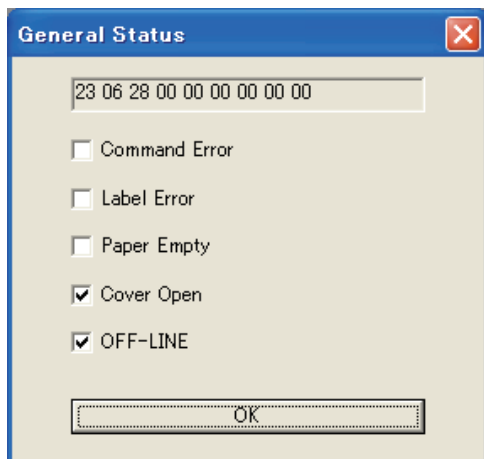
◆ Table of Selectable Commands

Class	Command		Display
Format Definition	ESC C	Clear format	Clear Format
	ESC D	Define print area	Define print area
	ESC L	Define ruled line format	Define ruled line format
	ESC E	Cancel ruled line format	Cancel ruled line format
	ESC P C	Define character string format	Define character string format
	ESC P B	Define barcode format	Define barcode format
	ESC B	Enable cutter (Set paper feed)	Feed paper
Data Setting	ESC X	Clear image data	Clear image data
	ESC R C	Set character string data	Set character string data
	ESC R B	Set barcode data	Set barcode data
	ESC H	Copy BMP graphic file to image memory	Copy BMP file to printer
Flash memory	ESC w	Upload format to flash memory	Upload format to flash memory
	ESC r	Download format from flash memory	Download format from flash memory
	ESC h	Upload BMP graphic file to flash memory	Upload BMP file to flash memory
	ESC k	Copy flash image to image memory	Copy flash image to printer
Control Commands	ESC I	Print Label	Print label
	ESC ?	Reset Printer	Reset printer
2D code	ESC GS x	Set PDF417 data	Set PDF417 (2D code)
	ESC GS y	Set QR Code data	Set QR Code (2D code)

2-4 General Status

Acquires the ASB status for nine bytes and displays that on the upper level.
If an error is detected, the corresponding check box is applied with a check mark.

When you use this function, you must set the printer's ASB function to valid.

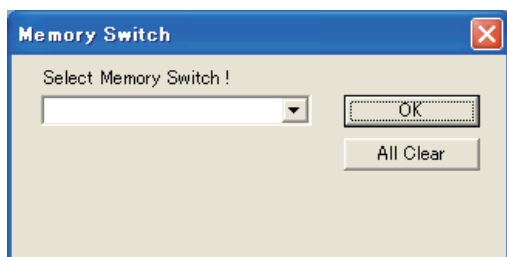


Factory

2-5 Memory Switch

When this dialog is opened, the <ESC> command (Reset printer and Print self print) is sent. Select the Memory Switch you want to set. Then the lower dialog is opened.

If you click the **All Clear** button, all Memory Switch settings are cleared.

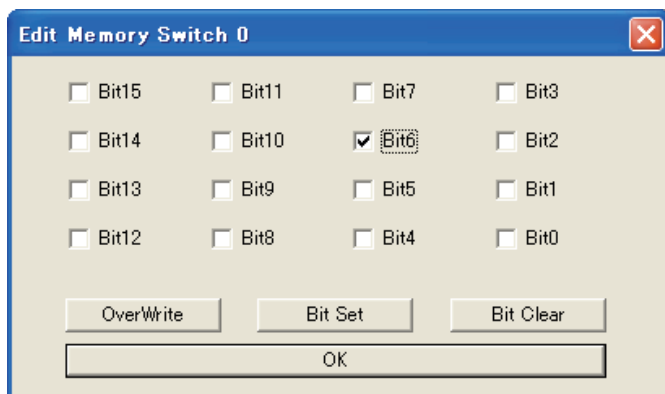


2-5-1 Edit Memory Switch 0

Check the bit what you want to set (or clear), and click the **Bit Set** (or Bit **Clear**) button.

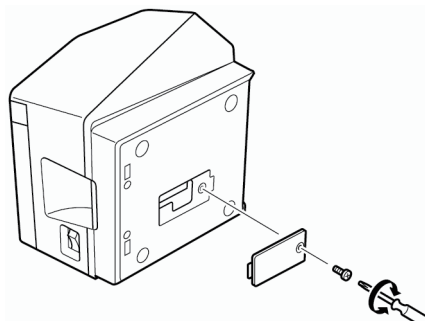
If you click the **OverWrite** button, the current setting is saved in the Memory Switch data.

The <ESC><GS>#(Set Memory Switch) and <ESC>? (Reset printer and Print self-test) commands are sent to printer when you click one of the above buttons.



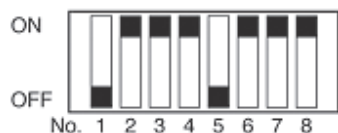
3. Setting the DIP switches to Support Vendor Class

1. Turn the printer off.
2. Remove the screw from the DIP switch cover and take off the DIP switch cover.

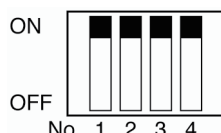


3. Set the #5 of DIP switch1 off using a pointed tool.

DIP switch-1



DIP switch-2



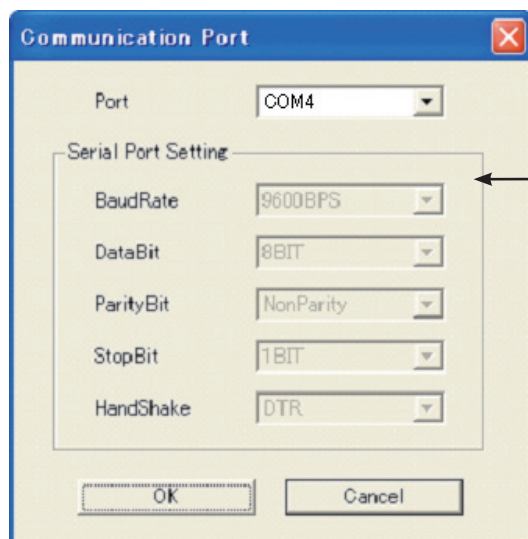
1-1 : OFF Setting for the Page Mode

1-5 : OFF Setting for the USB Vendor Class

Note: For information about the printer's DIP switches, refer to the Product Specifications Manual (issued separately).

4. Make sure that the PC is running.
5. Connect PC and Printer with USB cable.
6. Turn the Printer on.
7. Specify the Device Name and Port.

When you have installed the Vendor Class Driver, a new COM port will be made available. This will most likely be COM4, but can be COM5 or COMn depending on your computer. Determine which COM port was created for your USB printer and then modify the portName field to match.



No settings are required for USB I/F.

4. History

[illegible]



**ELECTRONIC PRODUCTS DIVISION
STAR MICRONICS CO., LTD.**

536 Nanatsushinya, Shimizu-ku, Shizuoka,
424-0066 Japan
Tel: (int+81)-54-347-0112, Fax: (int+81)-54-347-0709

Please access the following URL
<http://www.star-m.jp/eng/dl/dl02.htm>
for the latest revision of the manual.

**OVERSEAS SUBSIDIARY COMPANIES
STAR MICRONICS AMERICA, INC.**

1150 King Georges Post Road, Edison, NJ 08837-3729 U.S.A.
Tel: (int+1)-732-623-5555, Fax: (int+1)-732-623-5590

STAR MICRONICS EUROPE LTD.

Star House, Peregrine Business Park, Gomm Road,
High Wycombe, Bucks, HP13 7DL, U.K.
Tel: (int+44)-1494-471111, Fax: (int+44)-1494-473333

STAR MICRONICS ASIA LTD.

Rm. 1901-5, 19/F., Enterprise Square Two,
3 Sheung Yuet Road, Kowloon Bay, Hong Kong
Tel: (int+852)-2796-2727, Fax: (int+852)-2799-9344