

Enabling Hex Dump Mode for TSP100 Series Printers

Introduction

This application note shows how to enable Hex Dump Mode for TSP100 Series Printers.

The enablement of Hex Dump Mode is a very useful troubleshooting method to show the commands being sent to the printer, all converted into hexadecimal format. The data transmitted to the printer can be checked for accuracy by the developer or a [Star Micronics Technical Support representative](#), making investigation of errors easier to identify.

Supported Printers: All TSP100 Family Models: TSP100ECO, TSP100U, TSP100PUSB, TSP100LAN, TSP100GT

Supported Interfaces: USB, PoweredUSB, Ethernet

Supported Environments: Windows 7 (32/64-bit), Windows Vista (32/64-bit), Windows XP

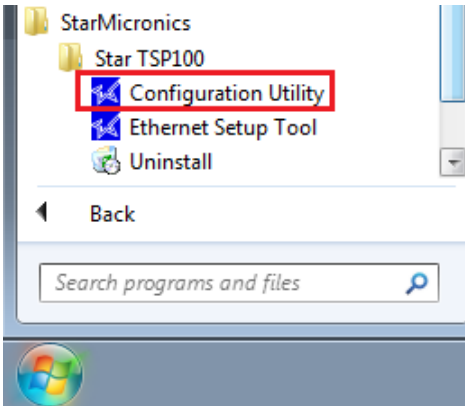
Star Tools Needed: *future*PRNT Utility V5.0 or higher (Found on Installation CD or the [Star Micronics Website](#))

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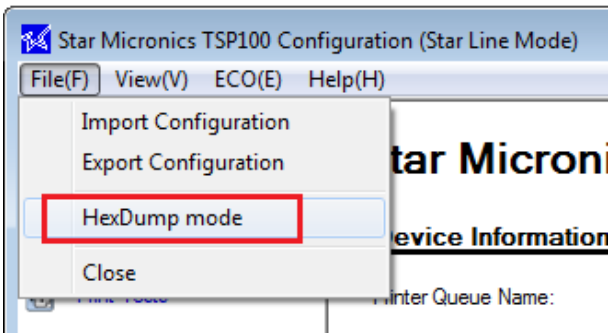
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I. Enabling Hex Dump Mode

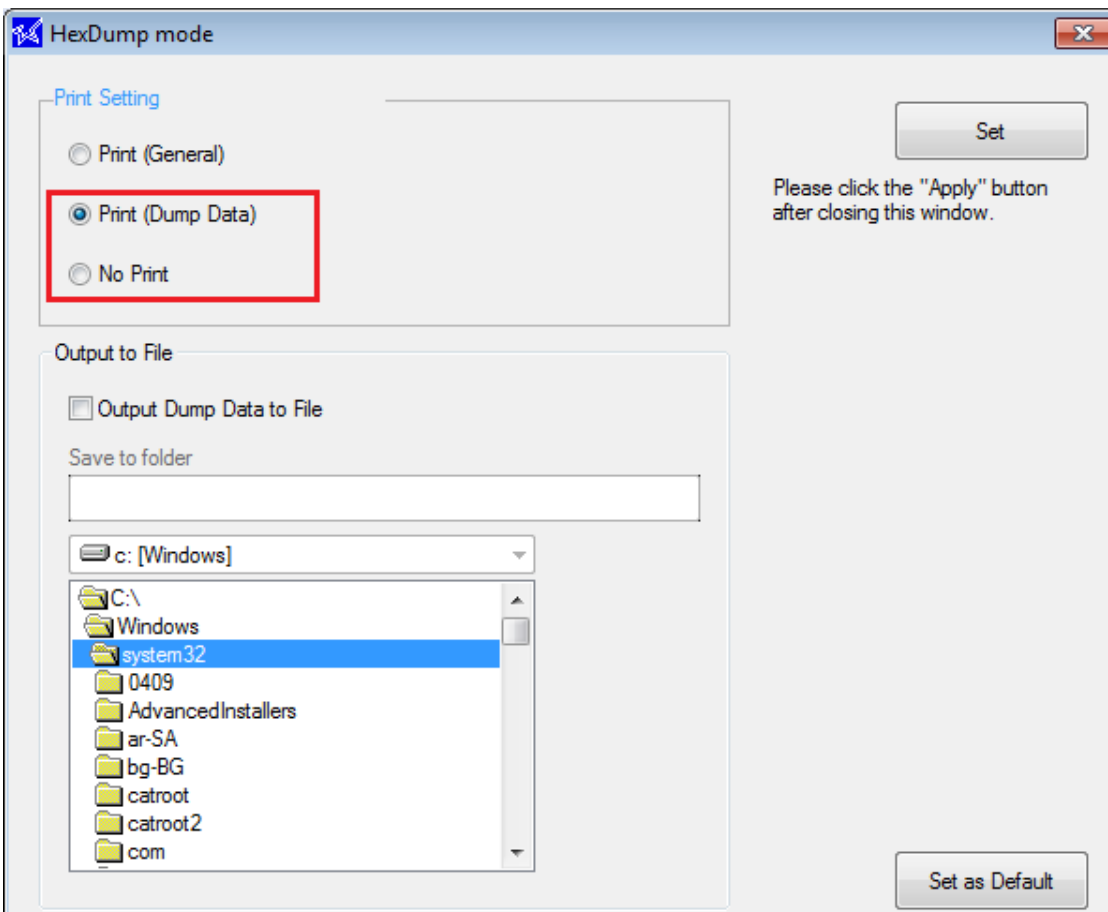
1. Ensure the *future*PRNT Configuration Utility was installed and the TSP100 was added to the Devices and Printers (Printers and Faxes) folder.



2. Click the Windows Start button and navigate All Programs > StarMicronics > Star TSP100 > Configuration Utility.



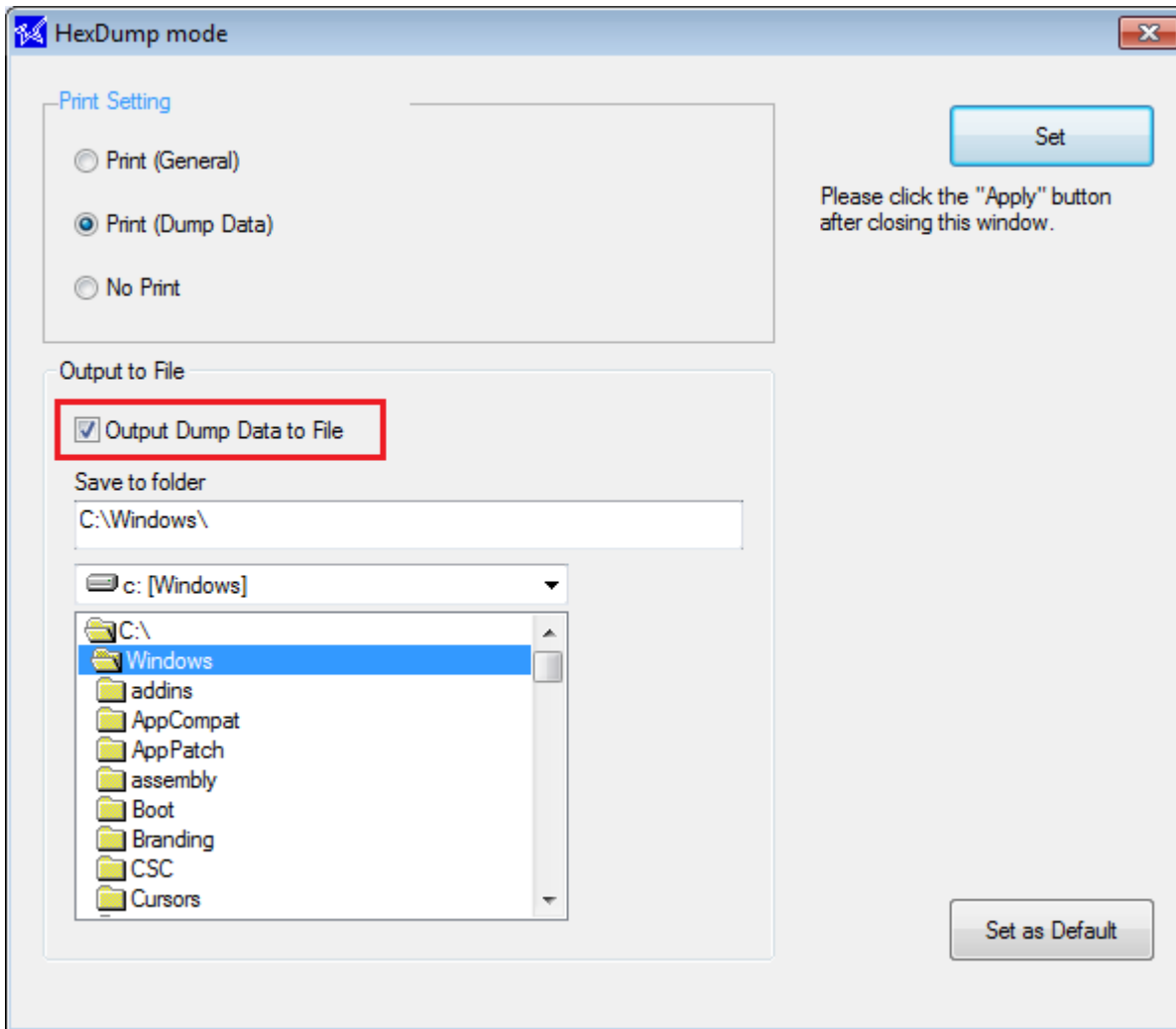
3. Click “File” in the top menu bar and select “HexDump mode”.



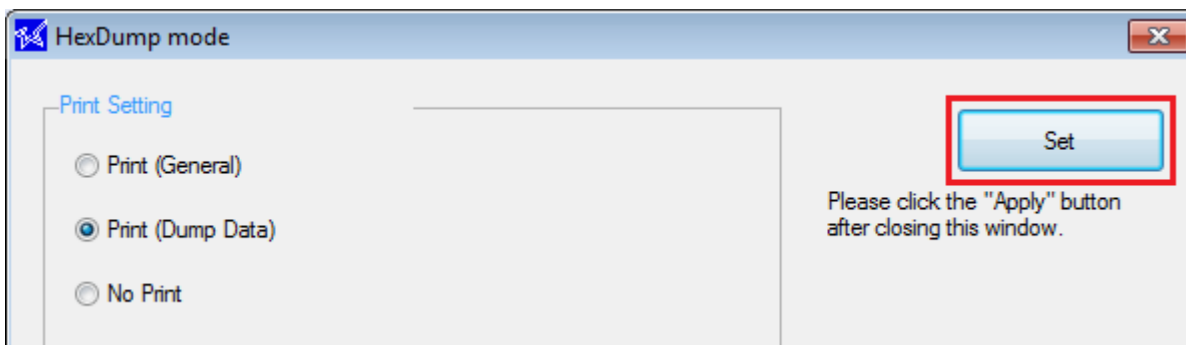
4. Choose to have the TSP100 print or not print raw data. These options are explained below:

Print (Dump Data): The TSP100 prints all raw data sent to it. The TSP100 is a graphics printer, so it receives Raster commands which are complex and long. Depending on the length of the print job and if it has images, this setting could result in many pages of commands printed out. If desired, the commands can also be electronically captured (as detailed in the step 5) at the same time.

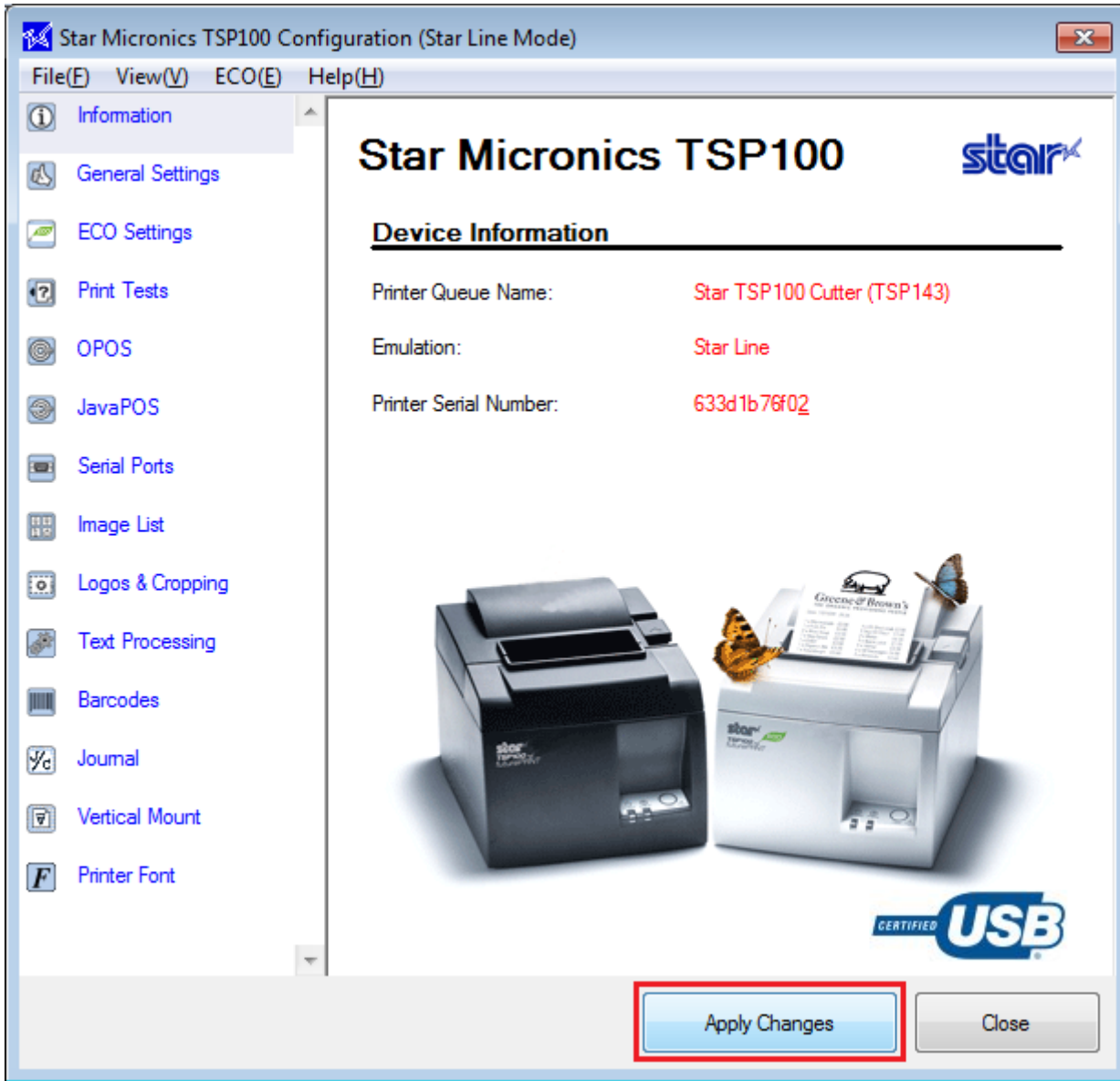
No Print: The TSP100 will not print anything. If this is selected, be sure to see step 5 for instructions on how to electronically capture the commands.



5. Placing a check next to “Output Dump Data to File” will save an electronic copy of the commands in a .PRN file to the place specified. A special program to printer output is needed to open it. These files are typically used by Star Tech Support. Please contact us if you need this program.



6. Click “Set”.



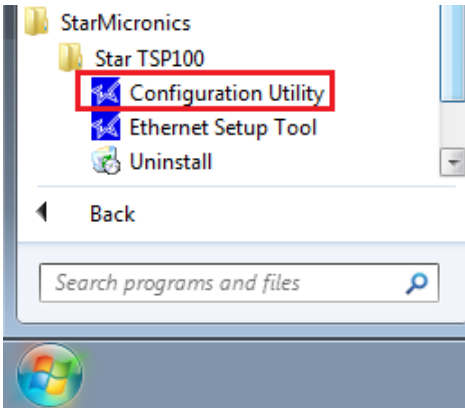
7. Click “Apply Changes”.

Hex Dump Mode has now been enabled.

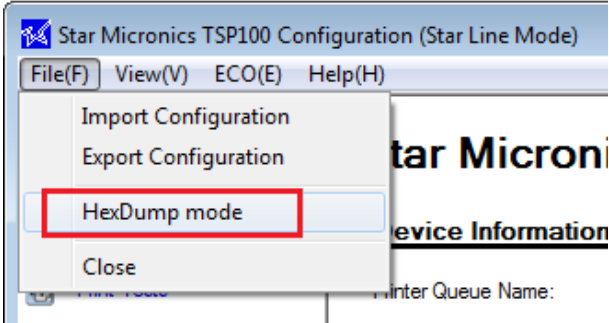
In summary, if Print (Dump Data) was selected, the next print job sent to the printer will result in the printing of commands the printer received. If No Print and Output to File were selected, the printer will not print at all; instead, the data will be saved to a .PRN file in the specified location.

Be sure to disable Hex Dump Mode when troubleshooting has finished.

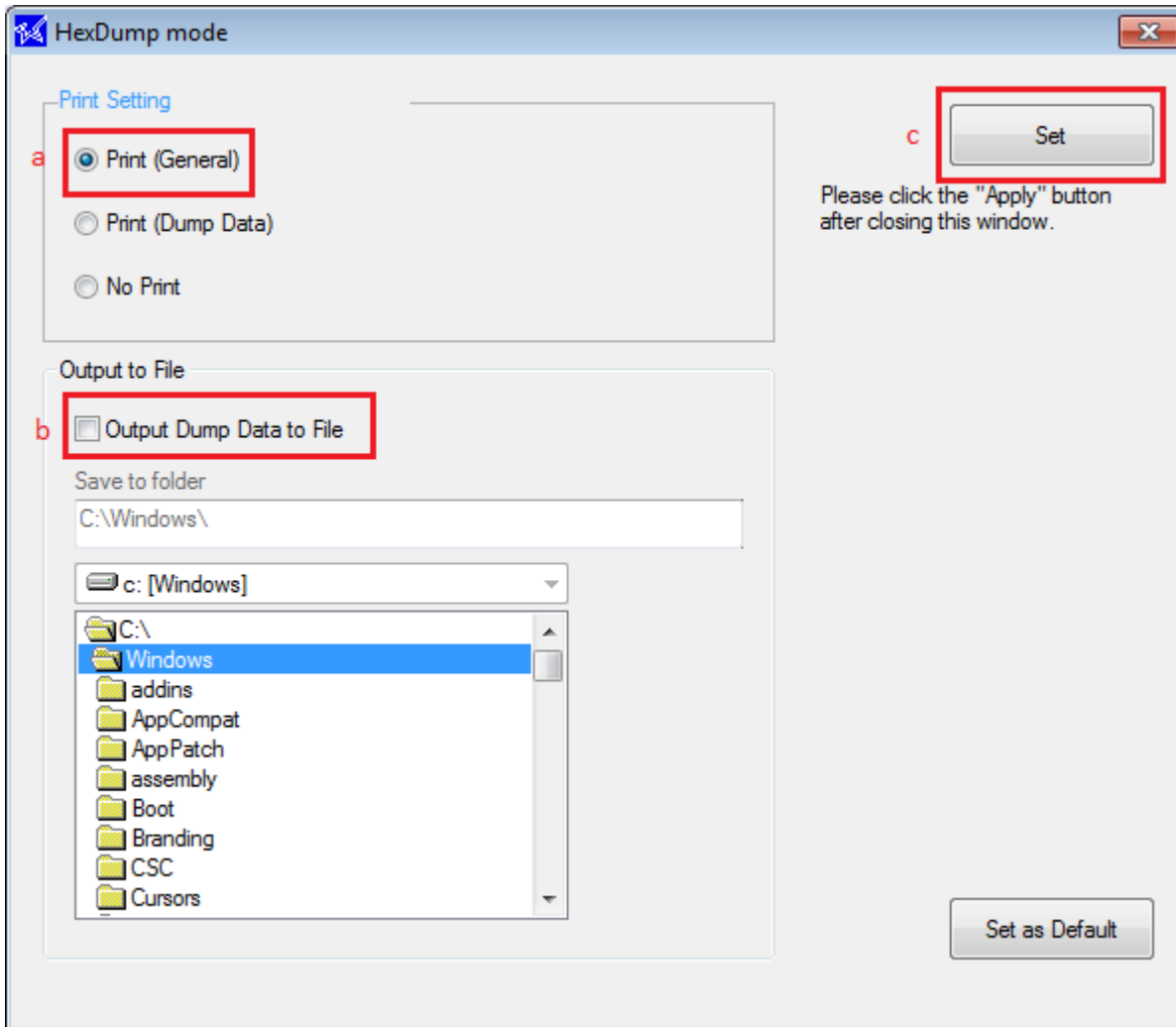
II. Disabling Hex Dump Mode



1. Click the Windows Start button and navigate All Programs > StarMicronics > Star TSP100 > Configuration Utility.



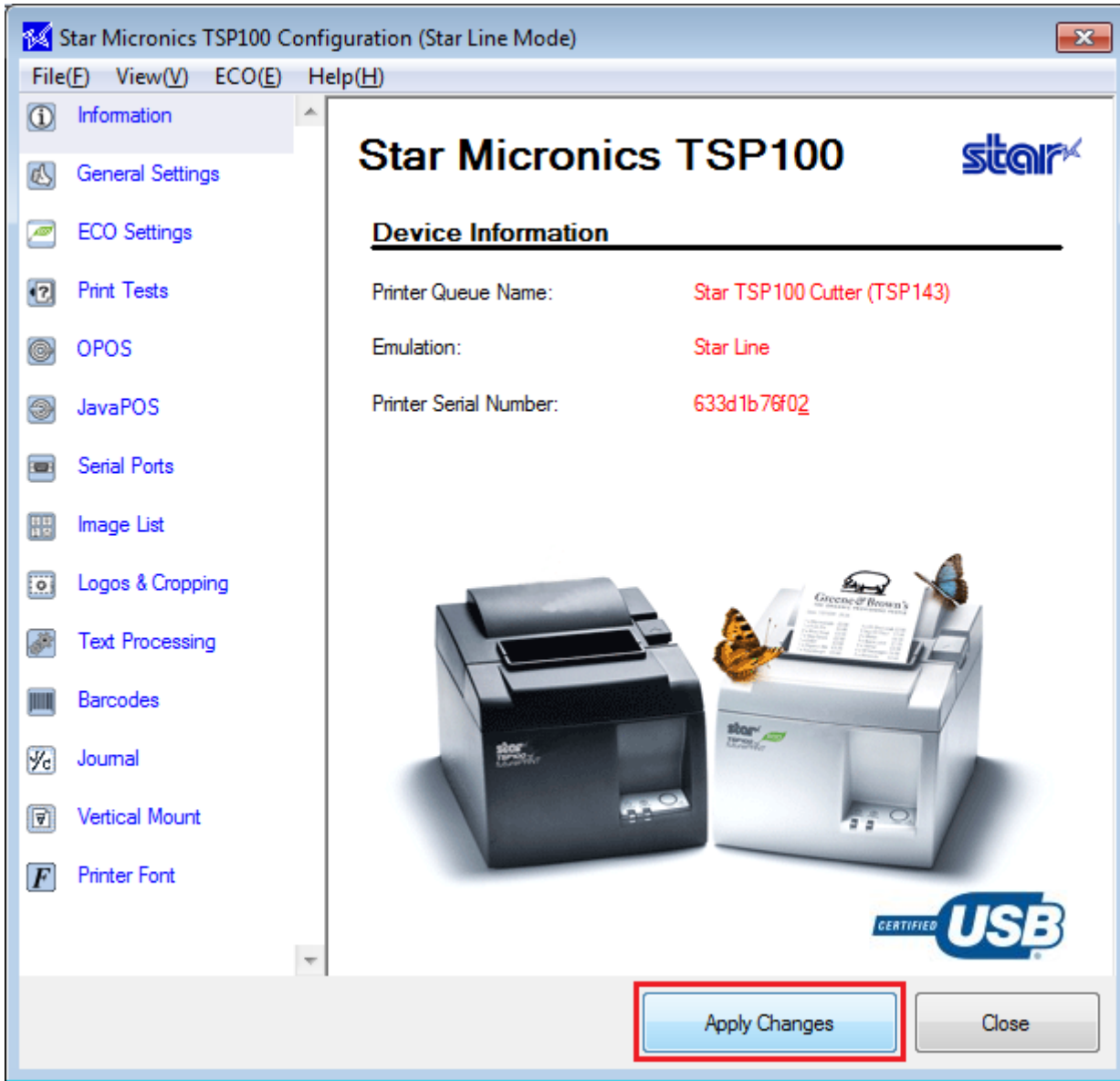
2. Click "File" in the top menu bar and select "HexDump mode".



3a. Select “Print (General)”.

3b. Uncheck “Output Dump Data to File”.

3c. Click “Set”.



4. Click “Apply Changes”.

The TSP100 is now out of Hex Dump Mode and will function as normal.

For SDKs, developer tools, FAQs, and support contacts, be sure to visit the [Star Global Support Site](#).

Thank you for choosing Star Micronics!



Star Micronics is a global leader in the manufacturing of small printers. We apply over 50 years of knowhow and innovation to provide elite printing solutions that are rich in stellar reliability and industry-respected features. Offering a diverse line of Thermal, Hybrid, Mobile, Kiosk and Impact Dot Matrix printers, we are obsessed with exceeding the demands of our valued customers every day.

We have a long history of implementations into Retail, Point of Sale, Hospitality, Restaurants and Kitchens, Kiosks and Digital Signage, Gaming and Lottery, ATMs, Ticketing, Labeling, Salons and Spas, Banking and Credit Unions, Medical, Law Enforcement, Payment Processing, and more!

High Quality POS Receipts, Interactive Coupons with Triggers, Logo Printing for Branding, Advanced Drivers for Windows, Mac and Linux, Complete SDK Packages, Android, iOS, Blackberry Printing Support, OPOS, JavaPOS, POS for .NET, Eco-Friendly Paper and Power Savings with Reporting Utility, ENERGY STAR, MSR Reading, *future*PRNT, StarPRNT... How can Star help you fulfill the needs of your application?

Don't just settle on hardware that won't work as hard as you do. Demand everything from your printer. Demand a Star!

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