

Configuring Receipt Scaling for the TSP800II and TSP700II

Introduction

This application note explains how to configure receipt scaling for the TSP800II and TSP700II. Scaling enables users to replace large desktop printers requiring ink, toner, and A4 paper with these space- and resource-saving POS printers only needing small width paper to print. Best of all, scaling is handled in the Star driver, meaning no change to the POS Software! Who says making your business greener has to be difficult?

Supported Printers: TSP800II, TSP700II

Supported Interfaces: Ethernet, USB, Parallel

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

Tools Needed: StarPRNT Configuration Utility V1.3 and higher, found on the Installation CD

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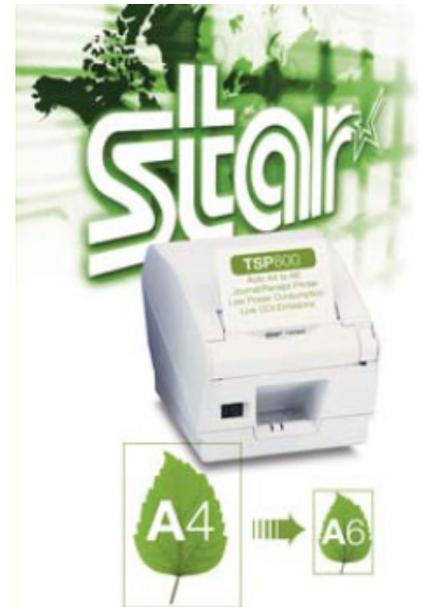
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I. What is Receipt Scaling?

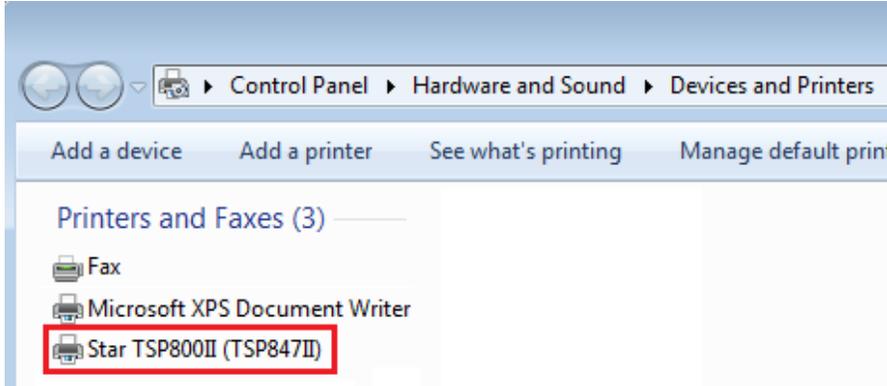
Receipt Scaling is yet another way Star Micronics is helping retailers reduce their environmental footprints. Scaling enables receipt and invoice size to be automatically reduced or expanded anywhere between 20-200% with NO change to the original POS Software!

Receipt size reduction is especially important to any hospitality or retail establishments using bulky desktop printers for invoice or receipt printing. For example, consider all the unused white space on an average hotel invoice, typically provided on a large sheet of paper. The Star scaling feature can take that same invoice, automatically scale it down, and print it on the TSP800II or TSP700II. Both models are a fraction of the size of large desktop printers and require no ink or toner to print, making the pair excellent enviro-friendly alternatives. The TSP800II's default paper width is 112mm (4.1in), giving hotel or purchase invoices the wide-format feel that patrons are used to while adding a high quality touch to normal 80mm receipts.

In addition, print out size can be scaled up. This feature makes small text and receipts with lots of information easy to read without using a large desktop printer or A4 paper. This feature has been used to assist patrons who require larger receipt text, or to automatically add more space for content on receipts.

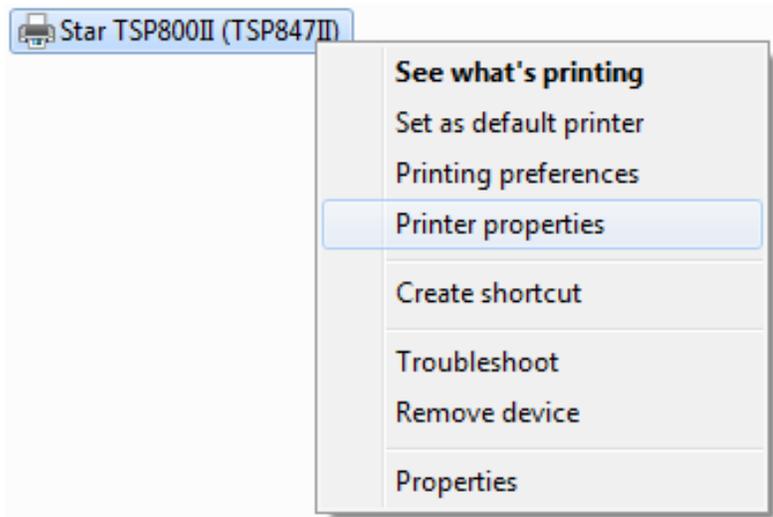


II. Scaling Down (Reducing Receipt Size)

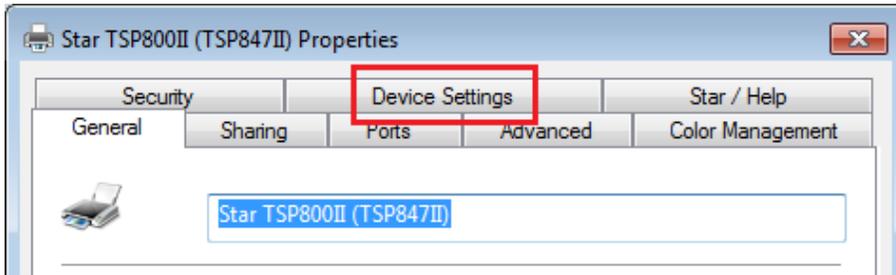


1. Ensure the printer has already been installed and is listed in the Printers and Devices (Printers and Faxes) folder.
 Windows 7/Vista: Click the Start button and choose "Printers and Devices" from the right menu panel.
 Windows XP: Click the Start button and navigate Settings > Printers and Faxes

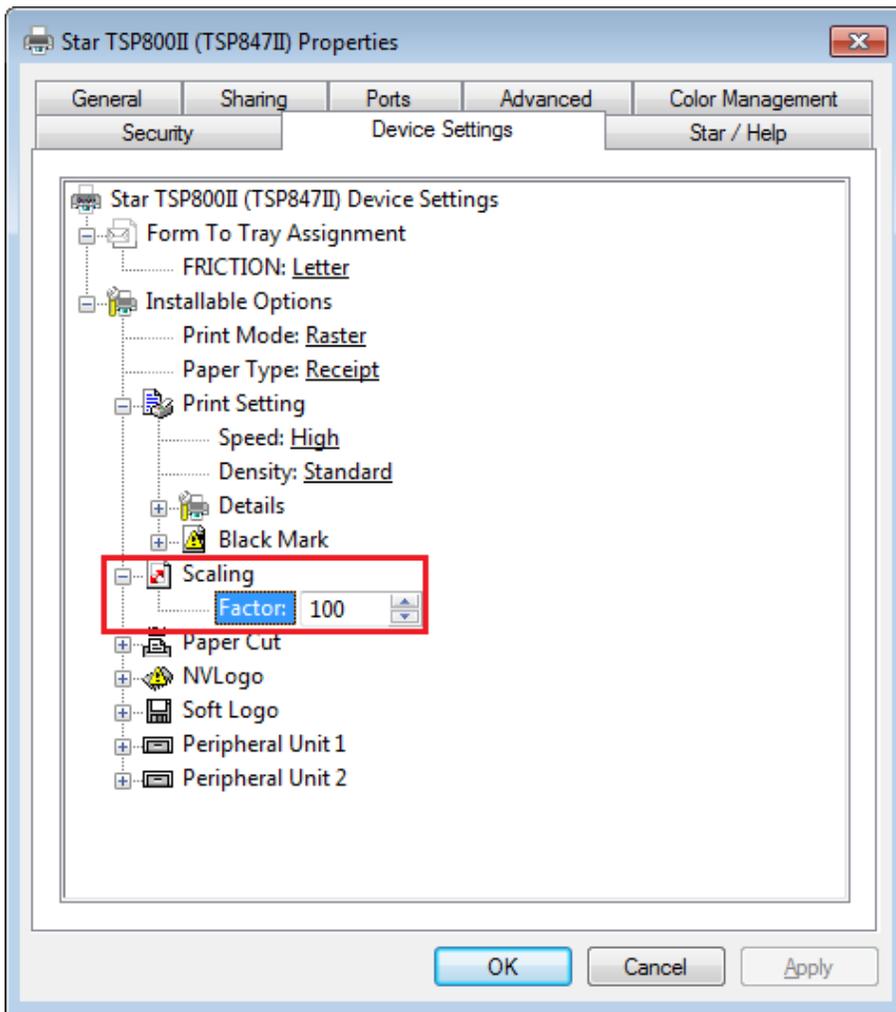
If the model name TSP743II or TSP843II does not appear, the plug and play driver is located on the Installation CD that ships with the printer. If the CD was misplaced, the contents can be downloaded from the [Star Global Support Site](#) for free.



2. For Windows 7/Vista users, right click on the TSP800II and select Printer properties.
 For Windows XP users, right click on the TSP800II and select Properties.



3. Click the “Device Settings” tab.



4. Expand “Scaling”. Type the desired percent to scale the receipt by, or use the up/down arrows.

- ✦ 20-99%: Makes the receipt smaller
- ✦ 100%: No change from default receipt size
- ✦ 101-200%: Makes the receipt larger

5. After setting the percent, click the “Apply” button in the lower right hand corner.



Star Resort & Spa

John Doe
123 Sample Road
City, State 12345

Arrival: 02/20/2012
Departure: 02/22/2012
Room: 101
Page: 1

Folio No. 1234567890

Date	Description	Debit	Credit
02/20/12	Room	135.99	
02/20/12	Room Tax (8%) * Room	10.88	
02/21/12	Room	135.99	
02/21/12	Room Tax (8%) * Room	10.88	
02/21/12	Room Service	12.99	
	Sandwich Salad Combo		
	Fruit Cup		
	Grapefruit Juice		
02/21/12	Laundry Service	15.00	
02/22/12	VISA XXXXXXXXXXX1234 01/14		321.73

Balance: \$0
PAID IN FULL

Signature _____

Thank you for being our guest! We look forward to accommodating you again in the future.

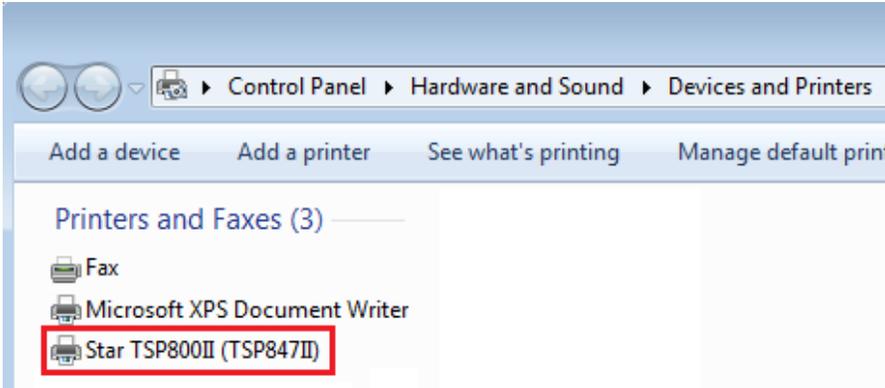
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The above sample invoice was sent to the TSP800II sized as an A4 document. This is the result of 60% auto-scaling.

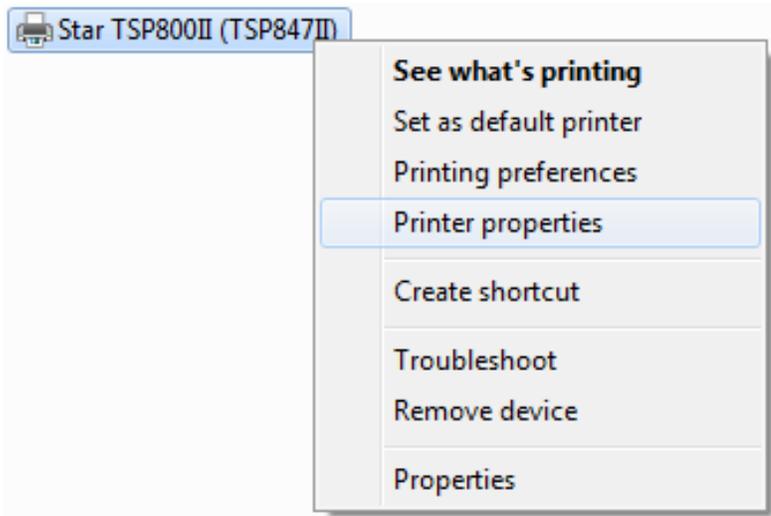
Congratulations! You have successfully scaled down your receipt or invoice size.

III. Scaling Up (Augmenting Receipt Size)

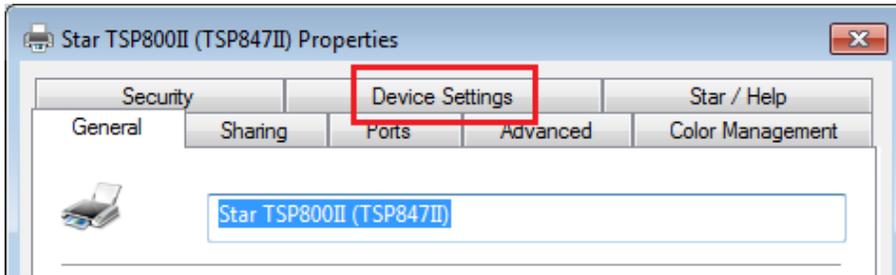


1. Ensure the printer has already been installed and is listed in the Printers and Devices (Printers and Faxes) folder.
 Windows 7/Vista: Click the Start button and choose "Printers and Devices" from the right menu panel.
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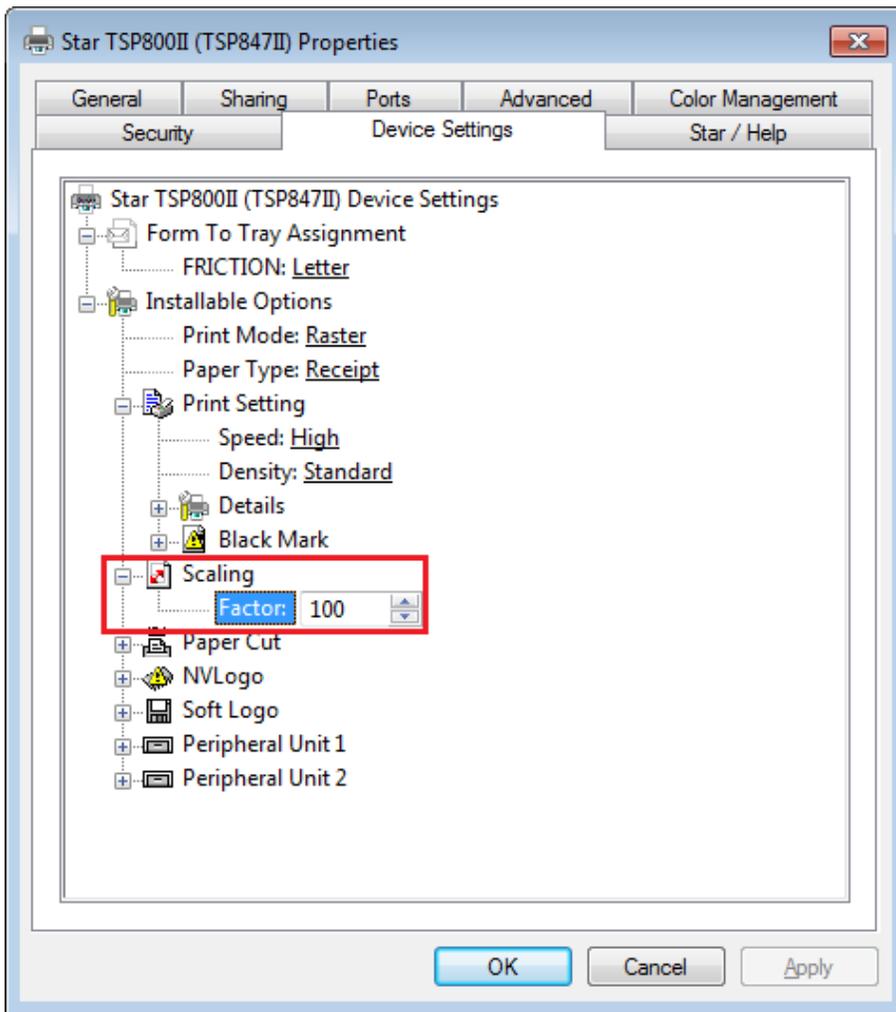
If the model name TSP743II or TSP843II does not appear, the plug and play driver is located on the Installation CD that ships with the printer. If the CD was misplaced, the contents can be downloaded from the [Star Global Support Site](#) for free.



2. For Windows 7/Vista users, right click on the TSP800II and select Printer properties.
 For Windows XP users, right click on the TSP800II and select Properties.



3. Click the “Device Settings” tab.



4. Expand “Scaling”. Type the desired percent to scale the receipt by, or use the up/down arrows.

- ✦ **101-200%: Makes the receipt larger**
- ✦ 100%: No change from default receipt size
- ✦ 20-99%: Makes the receipt smaller

5. After setting the percent, click the “Apply” button in the lower right hand corner.

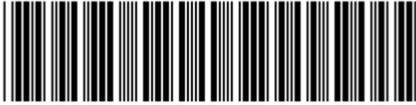


The above sample print outs illustrate when an increase in print size might be useful. The original print out was sent to the TSP800II as an 80mm document. This is the result of 130% auto-scaling.

Congratulations! You have successfully scaled up your receipt or invoice size.

IV. Limitations

Please be mindful of two limitations when using the scaling feature:



X1039502547470780

1. Barcode data will not be scaled to preserve quality and scannability. Scaling of this kind of data has potential to make barcodes unreadable by scanners. If a barcode is printed on receipt data being scaled, Star recommends adjusting the barcode size within the POS Software.



2. Non-volatile (NV) Logos will not be scaled. An NV Logo is stored in the printer memory and called by command when the graphic must be printed; as NV Logos do not pass through the printer driver, they are not scaled with the rest of the receipt. If NV logos are being used, Star recommends resizing the logo and restoring it.

Soft logos are graphics sent to the printer with the rest of the print data; they are not stored in the printer memory. Since these graphics pass through the driver, they will automatically be resized with the rest of the receipt. Star advises using soft logos whenever possible as opposed to legacy NV logos.



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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