



# TSP100U futurePRINT Series

The Lowest Cost, High Quality POS Printers available today with accessories and software included



**Including the latest additions to the TSP100 Series – the Super-Fast TSP100GT, a Powered USB version and an Entry-Level Ethernet model – the TSP100LAN.**

#### Key features of the TSP100U, TSP100GT, TSP100PUSB and TSP100LAN

■ The most "complete" POS printers available today, with the following accessories included with the printer:

- ★ 1.8m full speed USB interface cable (not included with PUSB models) with selectable virtual serial port emulator
- ★ Internal power supply with 1.8m power cord (not included with PUSB models)
- ★ Start-Up CD-ROM with drivers for majority of operating platforms including Java-POS™, OPOST™, Apple MAC™ and Windows™ with Microsoft certification (WHQL)
- ★ Power switch cover
- ★ 58mm paper guide
- ★ Wall mount and vertical operation kits with automatic receipt reversal software for user comfort



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# TSP100<sup>GT</sup> futurePRNT Series

High Speed, 250mm per second Receipt Printer with futurePRNT technology and **NEW** full gloss casings



★ Value-Added Software for Retailers:

- Receipt Re-design Tool including font replacement, cropping and logo / picture placement tools
- Coupon Marketing Tool
- Unlimited Image Import Tool

- Electronic Journal facility
- Multi-Copy Tool (up to 4 copies with individual graphic functionality)
- Easy Set-Up, with or without the printer

All available to work alongside your original POS software.

- New Star "Intuitive" Compatibility for Microsoft applications, including JavaPOST™ & OPOST™

- All printer features available from the printer's properties page in Windows™



Choice of **NEW** full gloss Piano Blue or Ice White Casing

★ Value-Added Software for OEMs, System Builders, Software Developers:

- Free Customer Software Tools
- Selectable Pre-view Tool
- Dedicated Software Developers Kit (SDK)



## Pre-Installation Set-Up Tool

Reduce multiple printer installation time using the .xml facility to save all printer settings on the PC!

All printer and futurePRNT™ software settings including logos, coupons, Auto-text reversal for vertical use etc. can all be easily pre-set using the included intuitive configuration software. These settings can then be distributed as a .xml file to all relevant PCs for mass system installations, so that there is now no need to remove the printer from the box before installation.

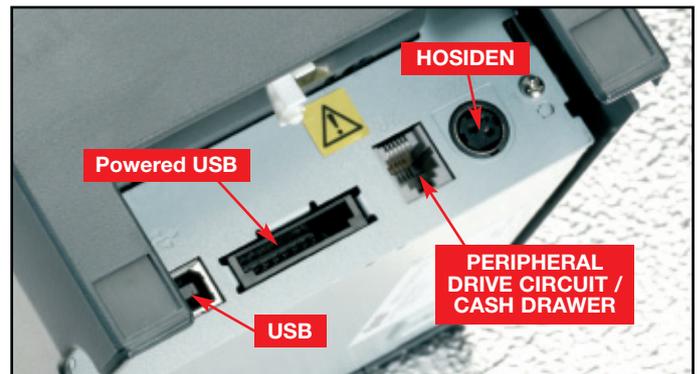


Wall mount bracket included at purchase with Auto-Reverse Receipt Software



## NEW TSP100 Powered USB Printers

# The World's 1st Dedicated Entry-Level Powered USB



The printer is supplied with two port covers for use depending on configuration chosen.



**Benefit from improved cable management and, more importantly, being able to cost-effectively use the same UPS on both your POS station and printer at the same price as a traditional printer.**

USB is now the industry's preferred communication link between a PC and a printer; so what is the next logical step – to combine the power supply and interface to produce Powered USB. As a result, Star has developed the world's first dedicated entry-level Powered USB printers offering significant cost advantages over competitor products for all types of retailer.

As usual the POS market is in IT transition with the future looking at Powered USB terminal and peripherals. The key advantages include now being able to cost-effectively include UPS (Uninterrupted Power Supply) cover on both the PC and printer so that all transactions will be protected. The TSP100 PUBS is therefore perfect to replace any single station printer with a free-of-charge upgrade path when the retailer decides to follow the industry and use Powered USB POS Terminals at the same price as a traditional single station printer.

To replace a single station serial printer; set the printer up as indicated; change the interface cable to USB and create a Virtual Serial Port using the Star wizard included in the TSP100 Printer Properties Page under "TSP config". Contact Star for the quick fix to replace a Parallel printer.



## NEW TSP100LAN futurePRNT

# Entry-Level Ethernet version of the TSP100 futurePRNT



Ethernet is now the connection method of choice for the new breed of IT managers in hospitality and retail environments requiring fast, long distance, reliable communication. However this extremely flexible choice of connection has always come with a cost. Star is now determined to change this with the introduction of the dedicated TSP100LAN futurePRNT. Star futurePRNT is famous for its revolutionary software, quality hardware and entry-level price and the new TSP100LAN is no exception.

Simple, fast, reliable network connection using standard, low cost CAT 5 cabling combined with futurePRNT's software and particularly simple installation procedures enhance the advantages of today's Ethernet.

### "Keep Alive" Feature

The TSP100LAN will negotiate with any networked host and automatically print an error if the connection is lost due to PC / Hub failure or cable damage.



- Immediate warning to the remote location, that the printer is offline.
- Immediate warning to the POS that the printer is offline / missing.



**"Drop-In & Print",  
easy paper loading  
in either the  
standard horizontal  
or space saving  
vertical position**



**Full speed USB  
interface with serial  
port emulator for  
legacy software**



**Accessories included in box at purchase – power  
and interface cables, wall or vertical mount kit,  
58mm paper guide, installation software CD with  
value-added software**



**Splash Proof Cover  
option adds extra  
protection**



**Two-colour output with  
running costs  
comparable to other  
POS technologies**



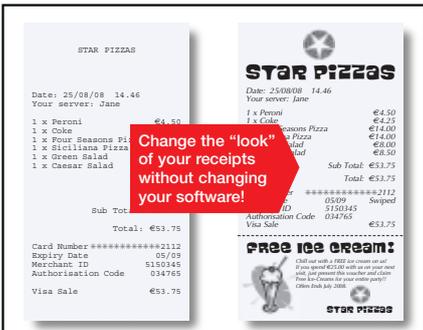
**Wall mount bracket  
included with printer at  
purchase**



**Optional charcoal grey  
display stand with  
in-store A5 graphics  
facility**



**Robust, high speed  
guillotine cutter for  
increased reliability**



**Change the "look"  
of your receipts  
without changing  
your software!**

**Free customer software tools for retailers and  
system builders including the new Star Receipt  
Re-design Tool and dedicated SDK with the unique  
Selectable Pre-view Tool**

**Linux™**  
**JAVAPOS™**  
**OPOS**  
Designed for  
Microsoft®  
Windows®XP  
Mac Universal  
**ESC/POS™**  
**Vista™  
WHQL**  
**Compatibility with most  
major operating systems**

## TSP100 Printer Specifications

Printer Method	Direct Thermal Line Printing
Traditional Print Speed (not including processing)	TSP100U, TSP100PUSB, TSP10LAN – 125mm / second TSP100GT – 250mm / second
Printer Case Colour	TSP100U, TSP100LAN, TSP100PUSB Star white or Charcoal grey. Other colours available for larger volume orders. TSP100GT full gloss Piano Black or Ice White
Print Resolution	203 dpi (8 dots per mm)
Two Colour Print Capability	Red / Black, Blue / Black (special paper required)
No. of Columns (maximum)	Star Mode = 40, ESC/POS™ Font A 42 Font B 64
Character Set	ANK 95, 32 Int 128 Graphic plus Chinese, Japanese, Korean, Taiwanese
International Code Pages	Star Mode = 40, ESC/POS™ = 10 + 1 blank allowing an additional character page to be added
Barcodes	Extended barcode functionality – 9 versions / PDF417 & Maxicode (pending)
Line Spacing	3mm or 4mm + programmable
Paper Specifications:	
Width	80mm Standard, 58mm with guide fitted
Thickness / Weight	0.065mm ~ 0.085mm / 65 ~ 85gsm
Roll Diameter	up to 83mm
Easy-Load	"Drop-In & Print"
Paper Out Sensor	Standard
Maximum Print Width	80mm paper = 72mm, 58mm paper = 50.8mm
Top Margin	11mm
Autocutter	Guillotine (Partial Cut Only)
Logo Store Capacity	Unlimited
Drivers Available	Windows™, Mac OS X (10.2 or later), Linux CUPS Support™, OPOS™, JavaPOS™
Interface / Port:	
TSP100U / TSP100GT	USB 2.0 Full Speed with cable supplied
TSP100LAN	Ethernet (10/100BaseT, UTP) with cable supplied
TSP100 Powered USB	Combined Power and USB cable version (cables not supplied)
Emulation	Star Mode, ESC/POS™
Peripheral Drive Circuit	2 circuits (24V max.1A), 1 Compulsion input
Power Consumption	Average 1.6 Amp. Printing, 0.1 Amp. Standby.
Power Supply	Internal with power cable supplied (not TSP100PUSB)
Operating / Storage Conditions:	
Temperature	5°C to 45°C / -20°C to 60°C
Humidity	10% to 90% RH (Without Condensation)
Dimensions	142mm (W) x 204mm (D) x 132mm (H)
Weight:	
Autocutter Models (Guillotine)	TSP143U – 1.73Kg, TSP143GT – 1.76Kg, TSP143PUSB – 1.53Kg, TSP143LAN 1.72Kg
Tear Bar Models	TSP113U – 1.56Kg, TSP113GT – 1.59Kg, TSP113PUSB – 1.37Kg, TSP113LAN – 1.56Kg
Safety Standards	UL, C-UL, TÜV, FCC, VCCI, EN55022, CE
Reliability:	
MCBF	60 million lines
Print head	100km
Cutter (Guillotine)	1.5 million cuts
Accessories included with the printer	Wall Mount Bracket Auto-Reverse Text Output Software Vertical Mount Accessory 58mm Paper Guide 1.8m Interface Cable 1.8m Power Cable Power Switch Cover Installation CD and Value-Added Software (Interface and Power cables not included with PUSB versions)
Options	Splash Proof Cover Display Stand for vertical use



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The secret of Star's success with this groundbreaking product is a result of the investment that Star has put in time, effort and money into the software provided with this printer.



This software far exceeds the installation tools normally provided, enabling users to install high volume, custom set-ups without even taking the printer out of its box. Users can pre-determine set-up requirements due to the operating platform selected as well as take advantage of the Receipt Re-design and Coupon Marketing tools which will work happily alongside the current installed POS software. Star is constantly developing new futurePRNT software tools; details of which can be found on [www.futureprnt.com](http://www.futureprnt.com)



Here are just some of the examples of Value-Added Software for Retailers.

## TSP100 Receipt Re-Design Tool

This revolutionary new tool has been designed to work completely independently from your current POS software and will allow any user to literally re-design their receipts without changing their software. Legacy software can have embedded text and graphics which you may have always wanted to change. Now you can, with the new **RECEIPT CROPPING TOOL** crop unwanted sections, thus creating space for new graphics and text.

The unique Star Selectable **PRE-VIEW TOOL** will make this task even easier. Perhaps the most important element will be the **FONT REPLACEMENT TOOL** making the printer's resident fonts no longer relevant. This, along with the other tools mentioned, will be available from the printer's properties page and, when selected, will replace any non TrueType fonts featured on the receipt with a more attractive / effective font – all without affecting the speed of the printer.

```
STAR PIZZAS
Date: 25/09/08 14.46
Your server: Jane
1 x Peroni €4.50
1 x Coke €4.25
1 x Four Seasons Pizza €14.00
1 x Siciliana Pizza €14.00
1 x Green Salad €8.00
1 x Caesar Salad €8.50
Sub Total: €53.75
Total: €53.75
Card Number *****2112
Expiry Date 05/09
Merchant ID 5150345
Authorisation Code 034765
Visa Sale €53.75
```



### STAR PIZZAS

Date: 25/09/08 14.46  
Your server: Jane

1 x Peroni	€4.50
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1 x Green Salad	€8.00
1 x Caesar Salad	€8.50
Sub Total: €53.75	
Total: €53.75	

Card Number \*\*\*\*\*2112  
Expiry Date 05/09 Swiped  
Merchant ID 5150345  
Authorisation Code 034765  
Visa Sale €53.75

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#### HALF PRICE MEALS FOR KIDS

Why not treat the kids (and your wallet) this week? As part of our special summer holiday celebrations, the kids can eat for half-price!! Just present this voucher on your next visit and claim your discount!!

Offers ends Sept. 2008

**Literally re-design your receipt without changing your software or becoming an IT expert. Crop out embedded text and images, add new profit-making messages and graphics.**

## Star TSP100 System Builder Tools

Star has produced a dedicated **SDK** (Modular Software Developers Kit) with a wide range of tools available, allowing the system designer to take advantage of all the TSP100's software and hardware features e.g auto-text reversal for vertical / wall mounted use. This feature can literally be dragged and dropped into the developer's software.



**PRE-INSTALLATION SET-UP TOOL**  
– with Easy driver installation for all major platforms with CD-ROM

supplied or using the Star designed architecture for fast modifications when needed. All settings can be stored on the PC and "mirrored" across other TSP100 printers with a simple export configuration feature for mass system installations. *No printer pre-hardware configuration is needed.* The unique Printer Serial Number Identifier will also be ideal for remote polling for hardware audits, warranty / servicing issues etc.

### "DRAG & DROP" SOFTWARE FEATURE TOOL

Active X Components for Star Printer Feature Inclusion into OEM Software.

## JAVAPOS™

Designed for Microsoft® Windows® XP

## ESC/POS™

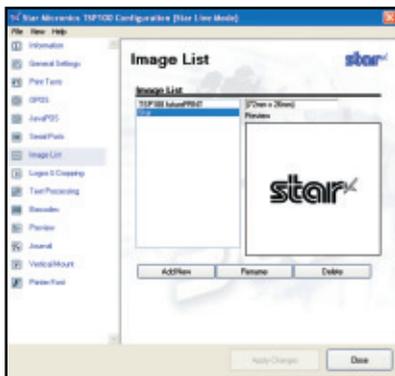
"Instinctive" compatibility with majority of POS operating platforms, with quality suite of drivers

## Coupon Marketing Tool with the TSP100

Star's revolutionary new printer has taken customer motivation to new heights with this free-of-charge value-added software, which will work alongside your current system. The new Coupon Marketing Tool from Star will enable the automatic printing of coupons based on the retailer's pre-decided products or purchase values relevant to that transaction.

Seasonal fluctuations, overstock situations can all be addressed by the retailer determining certain "trigger action" key words. The simple wizard-driven software will "word-search" all receipts to ascertain the automatic output of relevant coupons or graphics.

The new **IMAGE IMPORT TOOL** simplifies the logo store set-up by eliminating the need for the usual image preparation



work. An unlimited number of mono or colour jpgs, gifs and bmps can be accessed by the control panel, saved by name and even prepared for output with a choice of dither methods. There is no longer any need to pre-size or pre-save an image file as a mono bmp, as was so often required by other POS

printers. The TSP100's unique **INSTALLATION SET-UP FACILITY** will allow PCs to be pre-installed (not necessarily with the printer connected) for multiple printer use across the whole store. The new **PRE-VIEW TOOL** provides retailers and system builders with the ability to pre-check the overall appearance of planned receipts by using the pre-view tool

during set-up. This simple tool, again a rare facility in the POS world, will save much time.

The new **JOURNAL AND MULTI-COPY TOOL** from Star truly demonstrates the versatility of the Star TSP100 futurePRNT. Not only can the user now determine how many copies should be printed, but they can also specify the different text and



graphics required per copy – perfect for DIY retailers, pizza delivery companies to name just a few of the users that will really appreciate this tool.

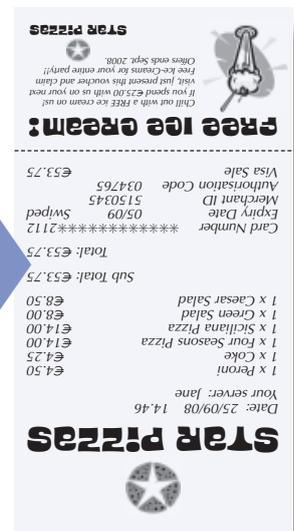
The flexibility of the journal tool will allow users to create an Electronic Journal of all transactions searchable by calendar date, which can be printed out at the end of day or week. All data is stored as a bitmap file (providing a true representation of all receipts and coupons printed).

## Easy Set-up with or without the Printer

All the TSP100's printer features are available from the printer properties page in Windows, including unique features such as **Auto-Text Reversal™** for wall mounted or vertical operation.

Simply tick the box and all output will be automatically turned upside down for user comfort. All settings can be stored on the PC and "mirrored" across other TSP100 printers with a simple export configuration feature for mass system installations.

*No hardware configuration is needed at all.*



**Auto-Text Reversal™**