

Introducing the latest addition to the Star range, the SP700 Series.

Star has improved not only the hardware features (compare our speed and reliability with our competitors), but also the software capabilities making day-to-day usage so much easier. Most customers feel you need an IT doctorate to change logos and graphics on a receipt; this is no longer the case using the new SP700 graphic wizard.

**SP712 Tear Bar Printer**

**SP712R Tear Bar Re-Wind version**

**SP742 Autocutter Printer**

**SP742R Autocutter Re-Wind version**

**All available in Star White or Charcoal Grey with Serial / Parallel / USB (WHQL certified) or no Interface.**

- High speed, 9-pin high quality printer capable of producing 13 x 20 line receipts per minute (4.7 – 8.9 lps).
- “Drop-In & Print”, easy paper loading.
- Literally drop a roll of paper into the printer, close the lid and the paper is loaded!
- New splash resistant design with easy-clean curves for robust kitchen / bar use
- Two colour output for emphasis purposes
- Compact footprint in either horizontal or vertical mode
- Internal power supply with universal cable, included at purchase.
- New longer life ribbon design featuring a 3 million character black ribbon and a longer life red / black version.
- Featuring well-known Star reliability and support with an MCBF of 22 million lines

## SP700 SERIES SPECIFICATIONS

Print Method	9 Pin Serial Impact Dot Matrix
Printer Versions:	
SP712	Tear Bar Mono and Red / Black Model
SP742	Autocutter Mono and Red / Black Model (full or partial cut)
SP712 / 742 with rewind	Tear Bar and Autocutter Rewind Models
Interface Versions	RS232 / Parallel / USB 2.0 / Without Interface
Interface Options	Ethernet / WiFi
Print Speed	Capable of printing 13 x 20 line receipts per minute from 4.7 to 8.9 lps depending on number of columns
Paper Feed Speed	Approx. 5.6 inches per second (@ continuous feed)
Print direction	Bi-Directional, Logic Seeking
Print font:	
Character Matrix	7 x 9 (Half dot) / 5 x 9
Column capacity	42 / 35
Character Size (mm)	1.2 (W) x 2.42 (H) / 1.5 (W) x 2.42 (H)
Character Set	95 Alphanumeric, 32 International
Code Pages	40
Character Per Inch (CPI)	16.9 / 14.1
Paper Loading	Drop-In and Print, Easy Load with see-through cover
Paper Handling:	
Width with guide included	76mm (default), 69.5mm, 58mm (+/- 0.5) x 85mm diameter
Thickness 1 ply	0.06 ~ 0.085mm
Copy Capability 2 ply	Original + 1, 0.05 ~ 0.08 / piece, total less 0.14
Copy Capability 3 ply	Original + 2, 0.05 ~ 0.08 / piece, total less 0.20
Wall Mount Facility	Available on all models (up to 2 part paper)
Paper Sensors	Paper End (Near End Sensor option - factory fit)
Ribbon Life:	
RC700B	3 million characters
RC700BR	Black 1.5 million characters / Red 0.75 million characters
Data Buffer	8 Kbyte
Program ROM	Flash Memory (16Mbit), NV bit image 256 Kbyte
Emulation	Star Mode and ESC/POS™
Power Supply	INTERNAL Power Supply with power cable included
D.K.D. Function	2 Drivers
Reliability	MCBF 22 Million Lines
Overall Dimensions	160 (W) x 245 (D) x 152 (H) mm
Weight	SP712: 2.96Kg, SP742: 3.18Kg, SP712R: 3.43Kg, SP742R: 3.65Kg
EMI Standard	VCCI Class A, FCC Class A, CE
Safety Standard	UL, C-UL, TÜV, CB, EN60950
Options	Buzzer, Wall mount / vertical use kit

All specifications are subject to change without notice.

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Advanced, High Speed Receipt Printers  
**THE SP700 SERIES**

# SP700 FEATURES AND BENEFITS



## High Speed Performance

The SP700 is capable of a fast 4.7 – 8.9 lines per second depending on the characters per inch (cpi) required. However, over the last four years Star Micronics has introduced a variety of new products with such advanced processing power that the old fashioned method of just measuring print speed has been made redundant.

Simply measuring how fast the head will print one isolated 4 mm line of print does not convey the investment that Star has put into the overall “build” and manufacturers have confused the issue by providing different cpi figures for users to compare. What customers really want to know is just how many standard 20 line receipts this printer can produce. Star has therefore developed a new standard in print speed measurement called **RPM** where Star has measured (in laboratory conditions) the actual time taken to produce an

Printer	Driver	Receipts Per Minute
Star SP742	SP712 / 742 V1.0	13
Epson TM-U220™	Advanced Driver 3.0.2E	9

Results obtained printing 80mm wide x 150mm long receipt with Microsoft Windows XP™ on Pentium PC with CPU 1996MHz with 512MB RAM

entire receipt from the moment the software requests it to when the printer has produced it.

Just look at the results – the SP700 is testament to the vast difference in throughput speed when using the latest printer technology and board components. Please bear in mind that normally we would not target a competitor’s product but feel it is necessary to show the difference this new holistic design approach can make.



## Star Hardware Design



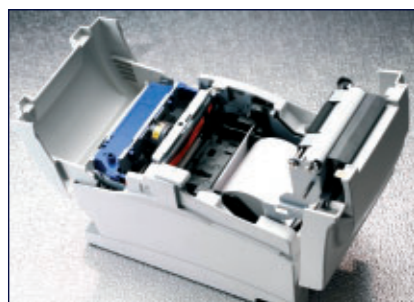
### “Drop-In” & Print Paper Loading with Improved Splash Proof Design

Star’s whole design concept is based with user comfort in mind from the Star re-designed paper loading system on the SP700 to the aesthetically-pleasing, splash resistant curves designed to repel more liquid and debris than any other POS printer today.



## Internal Power Supply & “plug-in” interfaces

Once again, Star has listened to its customers and taken the expense and trouble to include an internal power supply with a universal cable. No more bricks on a rope with unnecessary extra cables whilst the interfaces can be changed according to system upgrades with low cost Ethernet and WiFi options.



## Vertical or Horizontal Use?

The SP700 from Star is just as happy working flat out on the desk, sitting upright or vertically attached to a wall using the wall mount option. In either position the SP700 has the smallest footprint in its class.



**Compact Footprint**  
152 x 160mm

## Simple Paper Management

Not only has Star re-designed its paper loading system, but it has also provided a see-through window to enable the user to visually judge the paper situation as an alternative to the printer’s sensors.



## Two Colour, High Quality Graphics Print

The SP700 is capable of fast high quality mono or two colour output with the lowest running costs any technology can offer. Inkjet or two colour thermal printers simply cannot compete at this level.

## Key Software Features

### Easy-Installation

Once again Star has worked closely with Microsoft to produce the first matrix printer to feature WHQL certified USB / LAN / WiFi versions. This plus the Star Installation Wizard has simplified the whole installation process with a wealth of software tools that will be available in the first year of launch; all of which will be easily accessible from the usual printer properties page.

### Simple Graphic Management and Coupon Tools



Tools included at launch feature the new **Graphics Management Tool** with a name and list facility for easy identification and use for up to 255 images. This tool will also facilitate multiple printer configurations by enabling the PC to upload each complete graphics list quickly and simply. The **Logo Store Driver Tool** can

download multiple images (mono or colour in a variety of formats) by simply printing a document containing all the images.

The **Virtual Serial Port Emulator** will allow Ethernet or USB interface use whilst still retaining legacy software. Contact [techsupport@Star-EMEA.com](mailto:techsupport@Star-EMEA.com) for more information. Future developments include a **Coupon Marketing Tool** as well as a variety of other software and compatibility tools.

*Please go to [www.Star-EMEA.com](http://www.Star-EMEA.com) for more details.*



## SP700 Options

The printer is supplied with all the accessories for standard printer use – power supply, power cable, paper guide for for 76, 69.5 or 58mm paper width use, as well as the power switch cover for uninterrupted use. However, Star has “as usual” provided low cost accessories for vertical use as well as an easy-to-fit buzzer option with pre-drilled holes.



## The “Kitchen-Ready” Printer

Star’s principal design purpose was to produce a printer fit for the kitchen or any other similar demanding environment. The aesthetically-pleasing curves come into their own with an easy-to-clean, splash resistant compact design with kitchen required options from the low cost Ethernet interface, buzzer and wall mount options to the fast, high quality two colour output to alert the chef of any special requirements.