

BIXOLON Samsung Mobile Printer

Compact yet Solid, SPP-R200



Product overview

Compact yet Solid, **SPP-R200**



BIXOLON Samsung Mobile Printer SPP-R200, a small and lightweight mobile receipt printer can be a wise assistant for any mobile receipt printing application where you need on demand with fast printing speed up to 80mm per second. SPP-R200 also utilizes a long-life lithium-ion battery that has an operation with 6.2 hours (Stand-by : 14 hours).

Magnetic card reader integrated into the printer allows credit cards to be processed immediately at the point of transaction, increasing customers' sense of security since the credit card does not leave their sight.

Product overview

- ✓ **Rugged design and Small size**
 - Damage-resistance to multiple drops of up to 1.2 meters (4 feet)
 - Rubber over-molding
- ✓ **Faster printing speed : Max. up to 80mm/sec, 3.15 inch/sec**
- ✓ **Long lasting Li-Ion Battery (7.4V, 1200mAh)**
 - Operation hours : 6.2 hours (approx. ø40mm of 10 rolls per battery charge)
 - Stand-by : 14 hours
- ✓ **Customer oriented software tools**
 - Firmware download (with cable or without cable)
 - Bluetooth firmware download support**
 - Font download
 - NV Image tool (Logo download)
- ✓ **Easy to use**
 - One touch cover open and easy paper loading
 - 4 steps indicator for battery left and connectivity status

Application to



Mobile POS / Retail



Hospitality



Parking Citations



- Onboard Transportation
- Field Repair / Installation
- Warehouse
- Utility billing / Meter Reading etc...



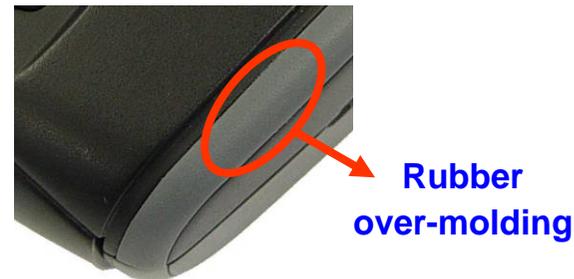
Deliveries

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1. Design

✓ Rugged design

- Damage-resistance to multiple drops of up to 1.2 meters (4feet)
- Damage-resistance material for printer housing
- Rubber over-molding to prevent from damage to weak points of the printer



✓ Small and lightweight design

- 81mm (W) x 127.4mm (L) x 44.7mm (H)
(3.19" x 5.02" x 1.76")
- 0.65lbs (293g) including paper roll, battery



Handheld size

2. Printing Speed

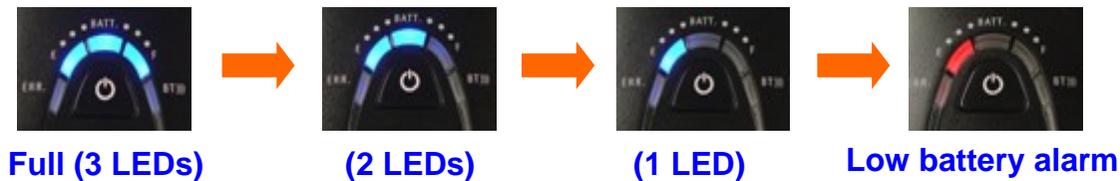
✓ **Fast Printing Speed**

- **Max. 80mm/sec**, 3.15 inch/sec
- Optimized mechanical components and software to enable fast and stable printing
- Extensive CPU & Memory for printing complex bar codes and fonts
 - CPU : 32-Bit RISC
 - Flash Memory : 16 Mbit (NV Image: 256KByte)
 - RAM : 64 Mbit (SDRAM)
 - Buffer : 128 KByte
 - Barcodes : 1D- Codabar, ITF, UPC A, UPC BCODE 39, CODE 93, Code 128, EAN 8, EAN 13, EAN 18,
2D- PDF417

3. Battery life

- ✓ **Long lasting Li-Ion battery (7.4V 1,200mAh)**
 - Operation hours: 6.2 hours (approx. ø40mm of 10 rolls printing/charge)
 - Standby hours: 14 hours
- ✓ **Battery status indicator (Low battery alarm support)**
 - 4 steps indicator for battery left and connectivity status

Battery Status



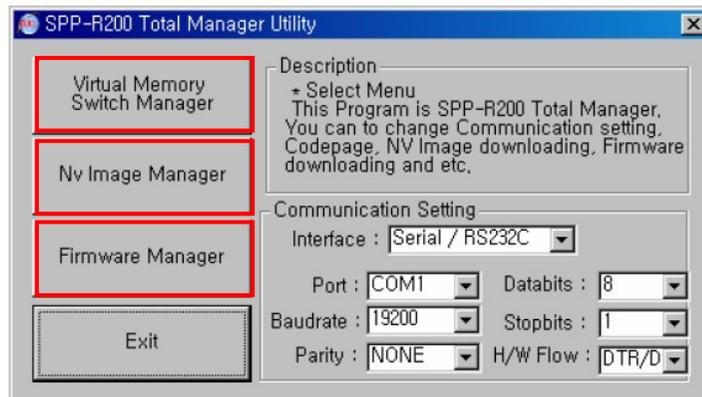
- ✓ **Smart battery management**
(monitors battery for longer life and performance)
 - Sleep or Auto Power OFF Mode
 - **Sleep or Auto Power time can be set by Virtual Memory Switch Manager**

4-1. Utilities (Total Management Utility)

✓ Customer oriented software tools provided

- **Firmware Manager for printer and Bluetooth interface**
 - For firmware download (Update available)
- **NV Image Manager**
 - For Logo download (Update available)

Total Management Utility



Firmware Manager

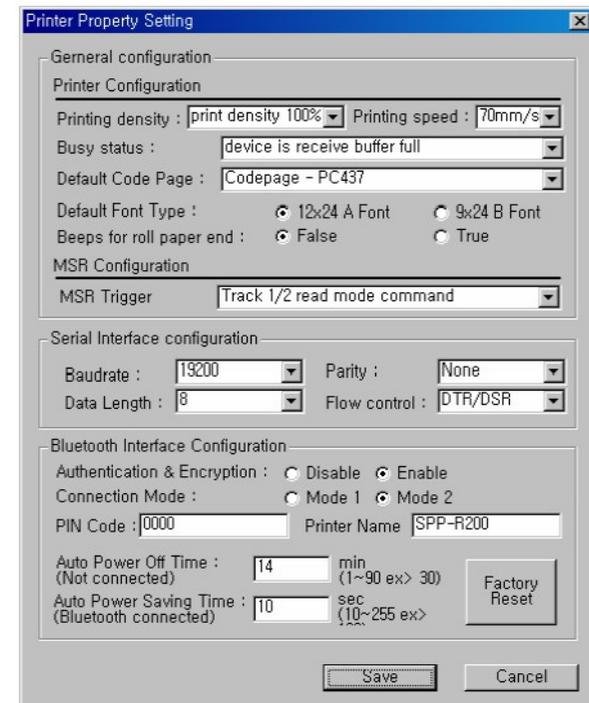


4-2. Utilities (VMSM*)

✓ Customer oriented software tools provided

- **Virtual Memory Switch Manager (VMSM) to desired settings**
 - User-defined fonts type and size
 - Default code page
 - Printing Density (Value range 80 ~ 130%)
 - Printing Speed (Value range 50 ~ 70mm/sec)
 - Beeps for Roll Paper End
 - MSR Trigger
 - Auto Power Off Time (0 ~ 90 minutes)
 - Auto Power Saving Time (10 ~ 255 seconds)
 - Default Interface
 - Authentication Encryption
 - Bluetooth connection Mode
 - PIN Code and Printer Name (Max value is 12 digit or alphabet)

Virtual Memory Switch Manager



The screenshot shows the 'Printer Property Setting' dialog box with the following sections and settings:

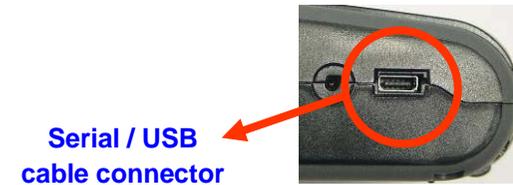
- General configuration**
 - Printer Configuration**
 - Printing density: print density 100%
 - Printing speed: 70mm/s
 - Busy status: device is receive buffer full
 - Default Code Page: Codepage - PC437
 - Default Font Type: 12x24 A Font, 9x24 B Font
 - Beeps for roll paper end: False, True
 - MSR Configuration**
 - MSR Trigger: Track 1/2 read mode command
- Serial Interface configuration**
 - Baudrate: 19200
 - Parity: None
 - Data Length: 8
 - Flow control: DTR/DSR
- Bluetooth Interface Configuration**
 - Authentication & Encryption: Disable, Enable
 - Connection Mode: Mode 1, Mode 2
 - PIN Code: 0000
 - Printer Name: SPP-R200
 - Auto Power Off Time (Not connected): 14 min (1~90 ex> 30)
 - Auto Power Saving Time (Bluetooth connected): 10 sec (10~255 ex> 120)
 - Buttons: Save, Cancel, Factory Reset

* VMSM (Virtual Memory Switch Manager): VMSM software helps customers change Dip Switch by virtually, no need to be change physically.

5-1. User conveniences

✓ Various Interface Communication and Interface Capabilities

- Serial (RS-232C), USB
- Bluetooth with high communication speed (115,200 bps)



✓ Intuitive LEDs



Bluetooth disconnected



Bluetooth connected



Error – Cover open (light-on)
Out of paper (blinking)

✓ One touch cover open & Easy paper loading



One touch cover open



Easy paper loading

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5-2. User conveniences

- ✓ **Portable device suited for outdoor usage**
 - Belt Strap (Default)
 - Leather Case (Optional)

Belt Strap



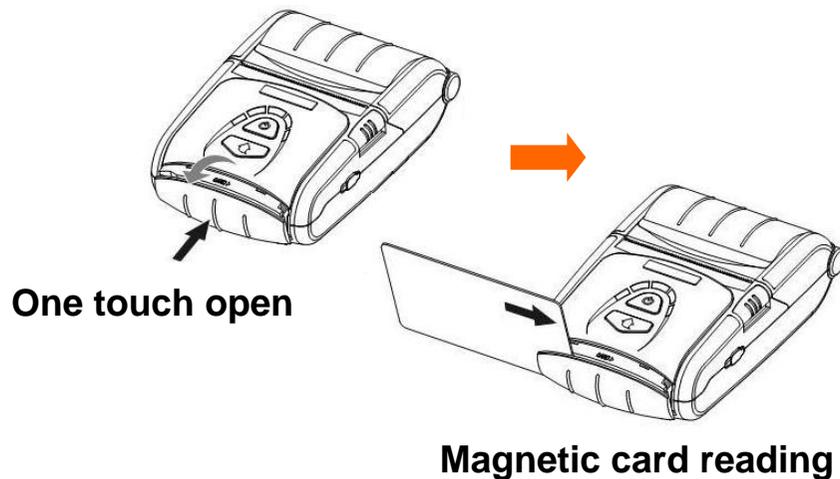
Leather Case



Comfortably wear the printer via Belt Strap or Leather Case

6. Magnetic Stripe Reader (MSR)

- ✓ **Magnetic Stripe Reader (MSR)**
 - One touch open (Patent applied for by BIXOLON)
 - Dual track supported by Virtual Memory Switch Manager
 - Single track** (1st or 2nd or 3rd) or
 - Dual track** (1st/2nd track or 2nd/3rd track)

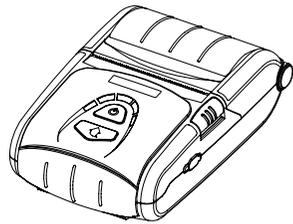


Track 1	Track	
Track 2	1+2	Track
Track 3		2+3

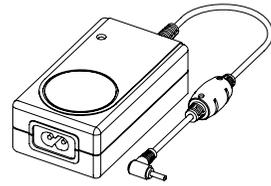
Magnetic stripe tracks

7. Options

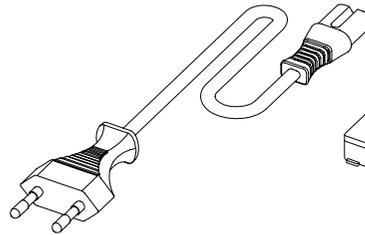
✓ **Default (In a Box)**



Printer



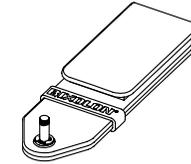
Battery Charger



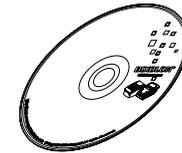
Power Cord



Battery



Belt Strap



Installation guide CD

✓ **Optional accessories**



Serial/USB Cable



Leather Case



Spare Battery



Battery Cradle

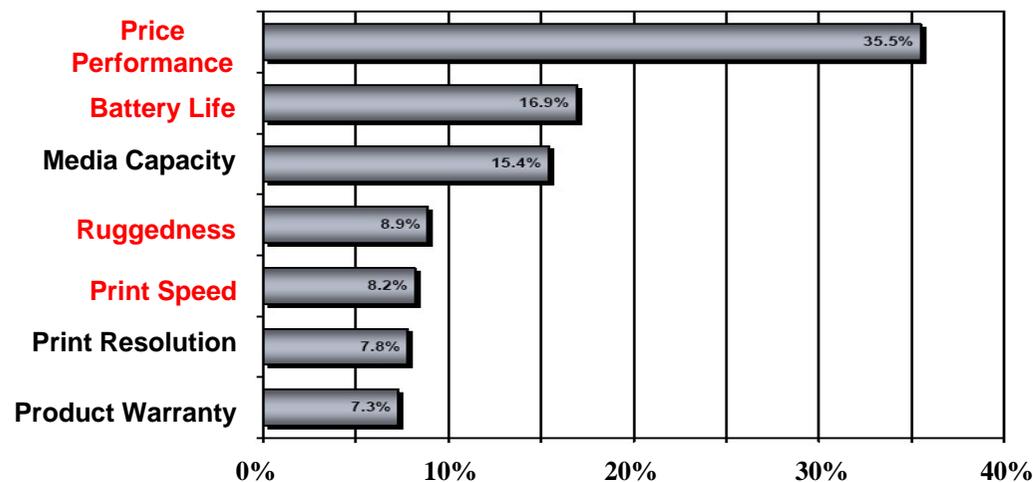


Cigar Jack Charger

8. Product selection Criteria

- ✓ **SPP-R200** has excellent qualities such as **Longer battery life, Superior Ruggedness, High printing speed with Reasonable price.**

□ Channel Respondents' Impression of Most Important Printer Selection Criteria
(Percent of Respondents Offering Mobile Printers)



Referred from VDC, Mobile Transaction Printers research 2006

9. Specification

Item		Description	Item		Description
Print	Print method	Direct thermal	Reliability	TPH	50 km
	Print speed	Max.80 mm/sec (3.15inch/sec)		Battery	500 cycles rechargeable
	Resolution	203 dpi (8dot/mm)	Connectivity	Interface	Serial, USB, Bluetooth
	Paper supply method	Easy paper loading		Battery charger	Input
	Character size	Font A : 12×24 Font B : 9×24	Output		Voltage : 8.4 VDC Current : 0.8A
	Character per line	Font A : 32 Font B : 42	Battery		Type
	Character sets	Alphanumeric character : 95 Extended graphic : 128×20 pages International character : 32		Output	Voltage : 7.4 VDC Capacity : 1200 mAh
	Barcodes	1D: Coda, ITF, UPC A, UPC B, CODE39, CODE93, CODE128, EAN8, EAN13, EAN18 2D: PDF 417		Charging time	2.5 Hrs
	Emulation	ESC/POS	Dimension	Printer	81mm × 127.4mm × 44.7mm (3.19" × 5.02" × 1.76")
	Drivers	WinCE 4.2, WinCE 5.0		Weight	Printer
	Sensor	Paper end sensor, Rear cover open switch	Accessories		Default
Cutter type	Manual cutter	Option			Serial/USB Cable, Leather case, Spare Battery, Battery cradle, Cigar Jack Charger
Paper Roll	Paper type	Thermal paper			
	Width	58 ± 0.5 mm (2.28" ± 0.2")			
	Diameter	Max. ø40 mm (1.57")			

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A BIXOLON Samsung Mobile Printer SPP-R200 is shown in a light gray, semi-transparent style. The printer is a handheld device with a control panel on the left side featuring a power button and a directional pad. A small LCD screen displays the text "ASCII", "123456789:;<>?", and "0123456789:;<>?". A printed receipt is emerging from the top of the device, showing the same text as the screen. The printer is positioned diagonally across the center of the slide.

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SPP-R200

- Thank you -

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