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## UNION NET **SP-2100 HID Bluetooth Barcode Scanner**



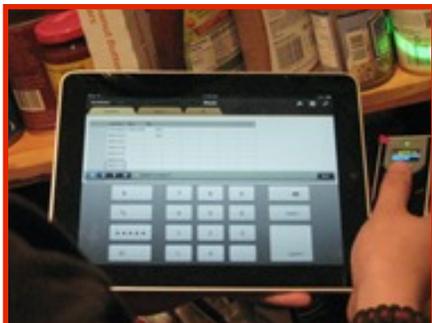
Works With:    

Made for  
 iPod  iPhone  iPad

### **Key Features**

- Barcode Scanning (HID) for iPhone, iPod, iPad (iOS 4.0+), Android & Windows**
- Reads 1-Dimensional AND 2 Dimensional Barcodes - for the same low price!**
- Works like a bluetooth keyboard - barcode data shows up at the flashing cursor**
- Side button press displays Phone / Tablet soft keypad**
- Buzzer - Beeper - LED Scan confirmation**
- 11 hour in use battery life - Less than 4-hour recharge**
- 720 x 480 Pixel 2-color screen with comprehensive top status bar**
- 4 hour Recharge using Mini-USB to Type A USB Cable**
- Store up to 8 megabytes of scanned data!**
- Bluetooth Radio - >V2.1+EDR**
- Free Developer SDK - Mfi AppStore Registration - Free Tech Support**

The UnionNet SP-2100 sets the standard for high-speed wireless barcode data collection to Windows, Android, iPad, iPod or iPhone. With an area imager that reads both one and two dimensional barcodes and a price comparable to "entry-level" products in the same class, the SP-2100 is the obvious choice for organizations or individual users needing quick, accurate barcode scanning into their portable or desktop application.



In its simplest usage, the SP-2100 connects to your Windows, Android or Apple Mobile host as a keyboard. Once connected, a button push brings the SP-2100 and the host bluetooth connection to life, ready to scan any barcode you point it towards. And because its an area imager, the SP-2100 can read ANY barcode at ANY angle or orientation... it can even read barcodes from your smart phone, PC or tablet's screen. On both Android and Apple iOS devices, a press of the SP-2100's side button toggles the soft keypad on the host, making it visible to do mixed mode entry, and hiding it to make the maximum amount of screen available to your application.

The SP-2100 excels in noisy environments. With its user controlled vibrator and beeper combined with its bright 2-color display, you'll never be at a loss to whether the scan was successful. The informative status bar at the top of the display shows the operator the radio connection type, signal strength, storage type and battery use at a glance. The powerful and multi-function bluetooth radio on the SP-2100 gives you a thirty foot range from your host, so you can scan barcodes without looking at the tablet, PC or Smart Phone screen. If you lose the connection, the SP-2100 can be set to store barcodes in memory. When back at your desk or workstation, just push a side button and select the "Sync" button, and all the stored barcodes connects with a side button push if you've been out of range.

Over 

# SP-2100 Specifications

## Physical:

Dimensions:	1.69" Wide x 3.5" High x 0.74" Thick
Weight :	2.60 oz. / 73.7 g (inc. standard battery)
Display:	4 Line x 16 characters / 2 Color OLED
Main Battery	Rechargeable Li-Polymer Battery 1450mAh, Input Voltage / 5V DC±10%, USB
Battery Life	11 hours with 10 scans per min with Bluetooth transfer
Operation Keys:	1 Scan, 2 Navigation Buttons
Operator Indicator Lights	Multicolor LED

## Hardware:

CPU:	32 bit ARM 7
Operating System:	Proprietary
Memory:	32KB(RAM) 256KB (ROM) , DATA: 8mb;~30k scans
Timestamp:	Quartz Real Time Clock
Charging Time / Method:	4 hours from < 10% Via USB cable
Host PC Interfaces:	Bluetooth-HID, Bluetooth-SPP, USB to PC, Ios 4.0 and above(iPhone, iPad, iPod)Android 2.1 and Above, Windows XP, Vista, Windows 7(32bit / 64bit)Windows Mobile 5.0 /6.1/6.5

## Environmental:

Operating Temp:	-4°F to 140°F / -20°C~60°C
Humidity:	5% ~ 95% non-condensing
Drop Specification:	Multiple 4 foot drops to steel surface, 2 drops to 6 sides 12 times

## Optical Specifications:

Read Rate:	500 scans per second
Light source:	622nm ~ 628nm LED
Scan method:	Linear-Area Imager
Decode rate:	100 decodes/sec
1D Barcode Symbologies:	Code128, EAN-13, EAN-8, Code39, UPC-A, UPS-E, Codabar, Interleaved2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 Datarbar, etc.
2D Barcode Symbologies:	.PDF 417, QR Code (Model 1/2), Datamatrix (ECC200, ECC000, 050080, 100, 140), Aztec, Maxicode, etc.
Depth of Field	PDF 417(10mil):45mm-155mm PDF 417(10mil):45mm-175mm Data Matrix (10mil):35mm-130mm Data Matrix(10mil):50mm-150mm QR Code(10mil):35mm-125mm QR Code(10mil):50mm-160mm

## Standard Warranty:

Manufacturer's:	1-year
Additional:	2-year with Service Contract

## Regulatory Conformance:

EMC Regulation	CE, FCC, KCC, MFI, MIC (EMC)
Product Compliance:	EN 55022, EN 55024
Environmental	RoHS, WEEE®

The SP-2100 has the largest battery and memory size on the market. Rechargeable in 4 hours with a standard cell phone USB cable, the SP-2100 has a guaranteed operational life of 11 hours, scanning once every 6 seconds over 11 hours! You'll never have to worry about THIS bluetooth barcode scanner being ready when you are. Whether on the job, in the store, at the work site or in the office, the SP-2100 works for you, even in the most demanding of environments. The SP-2100 is certified rugged and tested to withstand multiple 4 foot drops on all sides.



Connect it and forget it! The UnionNet SP-2100 is the only bluetooth barcode scanner you'll ever need!

**UNIONNET SP-2100 BarcodeGuy.com**

- Area Imager Reads 1D & 2D Barcodes
- Multicolored LED Indicator
- Multi-Function Side Buttons
- Keypad Pop-Up in Android & iOS
- Buzz & Vibrate Scan Feedback
- Powerful Config. Menu
- Real Time Clock - Quartz
- HUGE 1450mAh Battery
- 4 Hour Recharge With Common USB Cable
- Detailed Device Status Bar
- 752 x 480pixel 2-Color OLED Display
- Scan / Select Button
- 8mb Barcode Storage - WOW!
- Bluetooth > V2.1+EDR
- Mini USB Port

## ALL KITS COME WITH THE FOLLOWING:



**BarcodeGuy.com**      **Carolina BARCODE INC.**  
CODE. SCAN. SAVE

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