



# MS840 Bluetooth

Low-cost. Flexible. Reliable.

The new Unitech MS840B wireless laser scanner is enriched with a high-speed Mantis decoder and a powerful scan engine to optimize data capture efficiency. Supporting point-to-point and multi point-to-point use, the MS840B allows at least 3 guns to transmit and secure data to one cradle.

With a rugged wireless design, the MS840B provides greater flexibility and productivity for users to move without restrictions for real-time data connection, while also sustaining comfort over long periods of use. Able to scan up to 300-feet away from the host, the MS840B stores data in a buffer mode while it is out of range of the wireless signal, uploading the data when it gets back in range. Ideal for various applications in warehousing, retail and healthcare, the MS840B is easy to operate, able to take accurate inventory, speed up checkout, and administer the correct medication. Able to withstand multiple 6-foot drops to concrete and IP42-rated environmental seal against water and dust, the MS840B can maintain its high performance in the harshest environments.

Providing different configuration capabilities for USB, RS232 and PS2, connection is convenient with the MS840B. It also supports HID and SPP protocol, allowing users to connect to a PC or PDA directly. With a cradle that can mount to a desk or wall, a long life trigger design, and page calling for scanner tracking, the MS840B provides endless convenience and ease-of-use while lowering the overall investment cost so you can do more for your business.

#### Main Features:

- High-speed Mantis decoder
- Long life trigger design
- One cradle supports up to 3 scanners
- Supports SPP & HID
- Buffer mode for out-of-range reading
- Page button on cradle for scanner tracking

### Optical & Performance

Receiving Device	Laser engine
Light Source	Visible Laser Diode 650 nm
Max. Resolution	0.127mm(5 mil)
Scan Rate	100 scans/second
Skew Angle	±50 degrees
Pitch Angle	±35 degrees
Printing Contrast Scale	45% Minimum

Label / DOF	near	far
Code 39, 4mil	2.5cm	13.9cm
Code 39, 5mil	3.18cm	20.32cm
Code 39, 7.5mil	3.81cm	33.02cm
Code 39, 10mil	3.81cm	45.72cm
Code 39, 13mil	3.81cm	60.96cm
Code 39, 15mil	3.81cm	71.12cm
Code 39, 20mil	4.45cm	83.82cm
Code 39, 40mil	* 36in	91.44cm
Code 39, 55mil	* 45in	114.3cm

\*=dependent on width of bar code

### Functionality

Symbologies	Code 39, Full ASCII, Interleaved 2 of 5, Standard 2 of 5, China Postal, UPC, Delta Code, MSI, Plessey, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code 32, Italian Pharmacy, Label Code, GS1 Databar
Operation Mode	Trigger Mode, Flash Mode, Continuous Mode, Buffer Mode
Data Formatting	Prefix, Suffix, Code ID, Advanced Data Editing

### Electrical

Operation Voltage	DC 3V to 5V
Current Consumption	Operation mode: <170mA Standby mode: <30mA
Battery Type	Lithium-Ion
Battery Capacity	1620mAh

Charging Method	AC adaptor to cradle or directly to scanner
Battery Charging Time	Fully charged in 4.5 hours
Operating Time	Over 10 hours

### Mechanical

Scanner Dimension	6.93"H x 2.91"W x 3.50"D
Scanner Weight	7.3 ounces
Cradle Dimension	2.9"H x 3.7"W x 7.9"D
Cradle Weight	9.9 ounces

### Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	6 ft onto concrete (scanner only)
Operating Temperature	32°F to 122°F
Storage Temperature	-22°F to 158°F
Relative Humidity	5% to 90% non-condensing
IP Rate	IP42

### Communication

Radio Frequency	2.4GHz
Protocol	Wireless, SPP & HID profiles
Range	Up to 300 ft
Multi Scanner Operation	Up to 3 scanners to one cradle
Host Interface Supported	USB (via Cradle)

### Accessories

Cradle	5000-900007G
Battery	1400-900011G
Power Adapter	1010-601959G
Interface Cable	1550-900040G
Wall Mount Kit	4070-900011G

### Regulatory Approvals

CE, FCC, BSMI, VCCI

### Warranty

1 year



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