



### Smart Features

- Proprietary Ultrascan Decoding technology
- Robust and intuitive design
- Bluetooth design
- Ability to roam up to 75M away from host device
- Lightweight ergonomic designs for all conditions
- USB charger

# BR800BT

## Bluetooth Gun Type Handheld Scanner

The BR-800BT Bluetooth scanner has a wireless connection ability up to 75 meters. It is able to communicate to devices like laptops and barcode printers, eliminating hazardous cables and providing the freedom to walk around. This highly reliable scanner is ideal for retail industry, office environment and industrial sectors.



[bematechus.com](http://bematechus.com)



# BR800BT SPECIFICATION

## SCANNING

Light Source	617 nm visible red LED
Optical System	Linear CCD array
Image Sensor	2500 pixels CCD
Depth of Field	4 mil: 30 – 90 mm 5 mil: 30 – 105 mm 7.5 mil: 10 – 180 mm 10 mil: 10 – 220 mm 13 mil: 10 – 280 mm 20 mil: 10 – 360 mm
Scan Angle	42°
Pitch/Roll/Skew Angle	±75° / ±25° / ±60°
Scan Rate	330 scans per second
Print Contrast	Min. 20% @ UPC/EAN 100%
Indicator	Beeper and LED
Programmable Operation	Beeper tone & volume
System Interface	Bluetooth wireless

## ELECTRICAL

Input Voltage	5 VDC ±10%
Battery	3.7V, 2500 mAh, Li-ion battery
Operating Current	Charging: 700 mA (external power); Non-charging: 70 mA
Recharging Time	Approximately 4.5 hours via cradle; 6 hours via USB cable
Number of Scan	Over 150,000 scans at 1 scan per second per full charge
Battery Life	40 hours per full charge

## RADIO COMMUNICATION

Frequency	2.4 – 2.48 GHz (ISM band)
Radio Interface	Cradle host; SPP master; HID; slave
Working Range	Up to 100M / 75M with communication cradle (depends on operating environment)

## REGULATORY

EMC	CE & FCC DOC compliance, VCCI, BSMI
Safety	IEC 62471 Exempt
Radio	FCC Part 15C; CE EN 300 328; ARIB STD - T66 (Japan); NCC (Taiwan)

## MECHANICAL

Dimension	147.0 × 62.0 × 114.5 mm (device only); 176.4 × 101.6 × 133.6 mm (with cradle)
Weight	210 g (with battery); 500 g (with cradle)
Interface Cable	Field replaceable, standard 3M straight

## ENVIRONMENT

Operating Temperature	0°C – 50°C (32°F – 122°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Humidity	5% – 95% RH (non-condensing)
Light Level	0 – 100,000 Lux (fluorescence)
Drop Durability	Designed to withstand 1.2M drops
Environmental Sealing	IP41 rated sealing

