

HANDHELD SCANNER

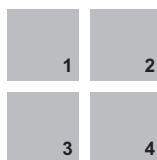
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Z-3190BT Series NEW Wireless Gun Type Handheld Scanner

Z-3190BT has wireless connection ability at up to 100M work range. It is able to communicate to devices like laptops and barcode printers, eliminating hazardous cables and providing walk-around freedom. This highly reliable scanner is ideal for daily retail industry, office environment as well as industrial sectors, the ultimate invention for users requiring competence, durability, and convenience.

- Proprietary **Ultrascan** decoding technology
- 32-bit micro processor unit
- GS1 DataBar decoding capability
- Strong gun type design
- Flexible communication options
- Wireless freedom at 100M/75M working range
- Rugged gun type design for tough working conditions and rough operations
- Smart charging to prolong battery life



1. Wireless cradle for easy connection
2. Ergonomic gun-type handle & large trigger
3. Clear LED indicators
4. Synthetic rubber handle for max. protection



OPERATIONAL

Light Source	617 nm visible red LED
Optical System	Linear CCD array
Image Sensor	2500 pixels CCD
Depth of Field	20 – 320 mm (UPC/EAN 100%, PCS=90%)
Scan Angle	42°
Pitch/Roll/Skew Angle	±75° / ±25° / ±60°
Scan Rate	330 scans per second
Min. Bar Width	0.07 mm (3mil) (Code 39, PCS=90%)
Print Contrast	Min. 20% @ UPC/EAN 100%
Indicator	Beeper and LED; optional vibrator
Programmable Operation	Beeper tone & volume
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM, wand, OPOS, JPOS
Trigger	2,000,000 life cycles

PHYSICAL

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

POWER

Input Voltage	5 VDC ±10%
Battery	3.7V, 2500 mAH, Li-ion battery
Operating Current	Charging: 700 mA (external power); Non-charging: 70 mA
Recharge 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)

ENVIRONMENTAL

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 1.5M drops
Environmental Sealing	IP41

DECODING CAPABILITY

1D Barcode	UPC/EAN/JAN, UPC-A & UPC-E, EAN-8 & EAN-13, JAN-8 & JAN-13, ISBN/ISSN, Code 39, Codabar, Code 128 & EAN 128, Code 93, ITF, Addendum 2 of 5, IATA Code, MSI/Plessy, China Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, DTF, JAP, Code 11, RSS 14, RSS Limited, RSS Expanded, Telepen
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Delivery Combos:

Combo 1

- Device + Mini USB Cable
- Charging directly from host
- Host must embedded with a Bluetooth module for communication

Combo 2

- Device + Mini USB Cable + Adapter
- Charging directly from host
- Charging from wall plug using adapter
- Host must embedded with a Bluetooth module for communication

Combo 3 (Recommended Best-Buy!)

- Device + Cradle + Interface Cable + Mini USB Cable + Adapter
- Complete set that fulfills charging and communicating requirement, ready to use set

