| 1d | 2d | cmos | 1.5m drop | bluetooth | usb |
|----|----|----|----|----|----|

## BS10R Sepia
handheld scanners

# Features

### Scan hands-free.

The BS10R is capable of reading a wide range of 1D and 2D barcodes with outstanding performance. With a 360° turning radius, it was designed to fit comfortably on your left or right hand without getting in the way of daily tasks, like carrying boxes. Its trigger button is positioned to be easy to operate with one hand and a built-in buzzer and LED gives instant feedback on each scan.

### Convenient communication.

With the click of a button, the BS10R pairs to your preferred device via Bluetooth 4.1 wireless technology. Whether your system runs on Windows, Android or iOS and whether you use a tablet, a smartphone, a computer or another Newland device, connecting the ring scanner is always easy. It provides freedom of movement up to 30 meters from the host and can be used in USB HID Keyboard and SPP connection modes.

### Large storage capacity.

Not all operations require instant feedback from a connected device, or allow you to carry such a device with you. For those situations, the 8S10R Sepia is equipped with 16MB of storage, which holds the data of up to 50k barcodes until you are able to move it to your system of choice.

### Full-shift battery life.

The BS10R battery comfortably lasts a minimum of 8 hours, even when your operations require a constant Bluetooth connection and intensive scanning. In standby mode, the device will last an impressive 30 days.

### Small but strong.

Built to withstand 1.5 meter drops to concrete and bumps on metal surfaces, the BS10R Sepia is reliable, even in semi-rough operational environments.

# Application Scenarios

| industrial | inventory | logistics | warehousing |
|----|----|----|----|

# BS10R technical specifications

| Performance | | |
|---|---|---|
| | Memory RAM | 16MB |
| | Image Sensor | 640x480 CMOS |
| | Illumination | White LED |
| | Aiming | Red LED (650 nm±10 nm) |

| Data capture | | |
|---|---|---|
| | 1D | Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Data bar Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey |
| | 2D | PDF417, Data Matrix (ECC200,ECC000,050,080,100,140), QR Code |

| Physical | | |
|---|---|---|
| | Interfaces | USB |
| | Battery Type | 380mA rechargable Li-ion battery |
| | Expected Battery Life | more than 8 hours under normal temperature (5 second/scan) |
| | Expected Charge Time | <2 hours |
| | Notifications | LED light, Buzzer, Vibration (Optional) |
| | Input Voltage | 5V/1A |
| | Current @5VDC Operating | 170 mA |
| | Current @5VDC Standby | 30 mA |
| | Power Supply Input | AC 110 - 220V, 50~60Hz |
| | Power Supply Output | DC 5V 1A |

| Environmental | | |
|---|---|---|
| | Operating Temperature | 0°C to 40°C |
| | Storage Temperature | -40°C to 60°C |
| | Humidity | 5%to95% |
| | Electro Static Discharge (ESD) | In line with 15KV air discharge and 8KV contact discharge requirements |
| | Drop | 1.5m |

| Wireless | | |
|---|---|---|
| | WPAN Radio | Bluetooth 4.1 |