









BS10R Sepia II

Wearables

- 
1.5m drop
- 
1D & 2D
- 
Bluetooth
4.1
- 
CMOS
- 
LED
aimer
- 
USB



Warranty
2 Years

Features

Scan hands-free.

The BS10R Sepia II 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 give instant feedback on each scan.

Convenient communication.

With the click of a button, the BS10R Sepia II 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 BS10R Sepia II 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 Sepia II 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 II is reliable, even in semi-rough operational environments.

2 Years Full
Warranty

TECHNICAL SPECIFICATIONS

BS10R Sepia II

Data Capture

1D	All major 1D symbologies, including 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 Databar Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey.
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2D	All major 2D symbologies, including PDF417, Data Matrix (ECC200,ECC000,050,080,100,140), QR Code
Aiming	Red LED (650nm±10nm)
Depth of Field Code 39 (5mil)	40 mm - 150 mm
Depth of Field QR (15mil)	30 mm - 170 mm
Illumination	White LED
Image Sensor	640 x 480 CMOS
Scan Rate	60 fps

Performance

Memory RAM	16MB
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Physical

Battery Type	380 mAh, Rechargeable Li-ion battery
Current @ 5VDC Operating	170 mA
Current @ 5VDC Standby	30 mA
Expected Battery Life	More than 8 hours under normal temperature (5 seconds/scan)
Expected Charge Time	< 2 hours
Input Voltage	5 VDC ±5%
Interfaces	USB
Notifications	LED, Vibration, Buzzer
Power Supply Input	AC110 to 220V (50 to 60 Hz)
Power Supply Output	5VDC (1A)
Weight	32 g

Wireless

Radio Technology	Bluetooth 4.1
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Environmental

Drop	1.5 m
Electro Static Discharge (ESD)	±8 kV (contact discharge), ±15 kV (air discharge)
Humidity	5% to 95% (non-condensing)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 60°C (-4°F to 140°F)

Warranty

Warranty Standard	2 Years
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Newland AIDC EMEA

Feel free to contact us or a partner near you.
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