Newland AIDC
SCANNING MADE SIMPLE

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

Warranty 2 Years



BS10R Sepia II

Handheld Scanners

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

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

Suggested industries

Warehousing | Logistics | Hospitality | Industrial

BS10R Sepia II Technical specifications

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.
2D	All major 2D symbologies, including PDF417, Data Matrix (ECC200,ECC000,050,080,100,140), QR Code
Image Sensor	640x480 CMOS
Aiming	Red LED (650 nm±10 nm)
Illumination	White LED
Scan Rate	60 fps
Depth of Field Code 39 (5mil)	40mm - 150mm
Depth of Field QR (15mil)	30mm - 170mm
Performance	
Memory RAM	16MB
Physical	
Battery Type	380mA rechargable 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	5V/1A
Interfaces	USB
Notifications	LED light, Buzzer, Vibration (Optional)
Power Supply Input	AC110 ~ 220V, 50~60Hz
Power Supply Output	DC 5V 1A
Weight	32g
Wireless	
Radio Technology	Bluetooth 4.1

Newland AIDC EMEA

Email address: info@newland-id.com

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Specifications are subject to change without notice

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BS10R Sepia II Technical specifications

Environmental	
Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 60°C
Humidity	5% to 95% (non-condensing)
Electro Static Discharge (ESD)	In line with 15KV air discharge and 8KV contact discharge requirements
Drop	1.5m
Warranty	
Standard	2 years

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