SCANNING MADE SIMPLE

1D | 2D | CMOS

Bluetooth | USB | 1.5M DROP

BS10R Sepia
bluetooth ring scanner

FEATURES

Scan hands-free.

The BS10R Sepia is capable of reading a wide range of 1D and 2D barcodes with outstanding performance. The ring scanner was designed to fit comfortably on your 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 Sepia 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 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 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 is reliable, even in semi-rough operational environments.

Application Scenarios
Warehouse management • inventory • logistics.

Performance	Image Sensor		640x480 CMOS
	Illumination		White LED
	Aimer		Red LED (650 nm±10 nm)
	Symbologies	2D	PDF417, Data Matrix (ECC200,ECC000,050,080 100, 140), QR Code.
		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 Databar Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey
	Decoding chip		ARM Cortex 32 bits
	Resolution		≥5mil
	Storage		16MB
	Bluetooth module		Bluetooth 4.1
	Notifications		LED light, Buzzer, Vibration (Optional）
	Battery Type		380mA rechargeable Li-ion battery
	Expected Battery Life		8 hours of continuous operation (1 scan / 5 seconds)
	Charging Time		<2 hours
	Standby time		>30 days
	Input Voltage		5VDC±5%
	Current @ 5VDC Operating		170 mA
	Current @ 5VDC Standby		30 mA
	Power Supply Input		AC110 ~ 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% to 95% relative humidity (no condensation)
	Drop		Resist about 6 times drops from 1.5m to concrete
	Ambient light immunity		Under normal office and factory ambient lighting conditions, or exposed to the sun won't take any effect to it.
	Electrostatic discharge		In line with 15KV air discharge and 8KV contact discharge requirements

Specifications are subject to change without notice.   Version: V1.0