Newland AIDC
SCANNING MADE SIMPLE



HR33 Marlin Bluetooth

General Purpose Handheld Scanners

1.5m drop | 1D & 2D | 2,600 mAh | Acuscan | Advanced Scripting | Bluetooth 5.0

EasySet | GS1 Ready | IP52 | Megapixel | USB | Warranty 5 Years



Features

Easily replaceable battery
The HR33 Marlin Bluetooth provides more than 12 hours of continuous use on a single charge. If the battery runs out, the compartment features a latch-release opening design to replace it easily without interrupting your tasks. Additionally, the low battery indicator comes in two different colors, providing a quick visual cue for when the battery needs to be changed. The new magnetic contact on the stand allows for easy connection and high reliability.

High Connectivity
The HR33 Marlin Bluetooth scanner features 5.0 Bluetooth connectivity and can scan items within a 100m range in open space. Whether you use the communication and charging stand directly with a device's Bluetooth or via a dongle, the HR33 Marlin BT provides a reliable wireless connection.

High Performance
The HR33 Marlin Bluetooth has a laser aimer for accurate barcode scanning and a megapixel sensor to capture various types of barcodes, even if they are damaged or distorted. This makes it ideal for high-density workloads.

Personalized Configuration
The HR33 Marlin is the first Bluetooth handheld in the portfolio to include advanced Scripting for programming intricate commands. Easyset is still available to those familiar with the program, but adding Scripting allows even finer detail, making the HR33 Marlin series the best in class.

Be confident with Newland
The confidence in the new HR33 Marlin's IP52 and 1.5m drop specification means becoming the first to receive a 5-year warranty from Newland EMEA. Select the HR33 Marlin BT with confidence that Newland has created a scanner that's up for the job no matter the environment.

Scan & send or collect & send
The HR33 Marlin BT has configurable modes that allow the user to select a real-time scan and send via a wireless connection or a choice of two types of offline storage and batch sending of the data. The scanner's memory allows for thousands of codes to be stored if needed.

5 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

HR33 Marlin Bluetooth

Data Capture

1D	Code 11, Code 128, Code39, GS1-128(UCC/ENA-128), AIM 128, ISBT 128,Codabar, Code 93, UPC-A, UPC-E, Coupon, GS1 Composite, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, ITF-6, ITF-14, Standard 2 of 5,China Post 25, MSI-Plessey, Plessey, GS1Databar(RSS), Code 49, Code 16K.
2D	PDF417,QR Code, Micro QR, Data Matrix, Aztec, Maxi Code, Chinese Sensible Code, GM Code, Micro PDF417, Code One, Dotcode
Aiming	Laser
Depth of Field Code 39 (5mil)	50 mm - 230 mm
Depth of Field DataMatrix (10mil)	30 mm - 245 mm
Depth of Field EAN 13 (13mil)	40 mm - 535 mm
Depth of Field PDF417 (6.7mil)	45 mm - 215 mm
Field of View Horizontal	48˚
Field of View Vertical	30˚
GS1 Ready	Yes
Illumination	White LED
Image Sensor	1280 x 800 CMOS
Minimal Print Contrast	15%
OCR	Passport OCR, Chinese ID Card, China Travel Permit OCR
Resolution	≥3mil
Scan Angle Pitch	±60°
Scan Angle Roll	360˚
Scan Angle Skew	±65°

Performance

Memory Flash	≥16,384 code entries (above 60 bytes)

Physical

Battery Type	2600 mAh lithium-ion battery
Dimensions	Scanner: 117.5(L)×67.5(W)×144(H)mm; Cradle: 140(L)×90(W)×144.5(H)mm
Expected Battery Life	≥15 hours of continuous operation (scan once per 6 seconds)
Expected Charge Time	≤6 hours (with power adapter)
Input Voltage	5 VDC ±5%
Interfaces	USB-A, USB-KBW, USB-CDC, HID-POS
Notifications	Beep, LED, Vibration
Weight	Scanner: 210 g, Cradle: 340,5 g

Wireless

Communication Modes	Synchronous, Asynchronous, Batch
Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	≥100 m (in open space)

Environmental

Charge Temperature	0°C to 45°C (32°F to 113°F)
Drop	1.5 m
Drop with Cradle	1.2 m
Electro Static Discharge (ESD)	±8 kV (contact discharge), ±15 kV (air discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP52
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet

Certifications

Certifications Hardware	CE RED, FCC ID, RoHS 2.0, IEC 62471, IEC 60825

Warranty

Comprehensive Service Contract	3 Years, 5 Years
Warranty Standard	5 Years

Accessories

Accessories Optional	4-slot battery charger, 2,600 mAh battery, Wall mount clip
Accessories Standard	Stand/Docking station, USB cable

What's in the box?

NLS-HR3300-BT	HR33 Marlin BT, Stand/Docking station, USB cable

Accessories

Charging/Power	NLS-BTY2333 Battery for HR23 and HR33 Series (NLS-BTY2333) NLS-CD3233-4C 4-slot Battery Charger for HR23 and HR33 Series (NLS-CD3233-4C)
Base Stations	NLS-STD-WM001 Wall Mount Clip for HR Series (NLS-STD-WM001)

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