



1D & 2D



Megapixel



IP52



Bluetooth  
5.0



Dual  
Interface



2400mAh



1.5m  
drop



EasySet



Warranty  
3 Years



**HR32 Marlin  
Bluetooth**  
Handheld Scanners

## Features

### Fantastic Megapixel scan technology.

Equipped with a megapixel barcode scanner, the HR32 Marlin Bluetooth reads virtually all 1D or 2D barcode with better reading performance on long or truncated 1D codes, larger and high-density 2D codes. Complicated stacked 2D barcodes codes for emerging applications in track and trace are no issue for the HR32 Bluetooth.

### Reliable Wireless Connection.

Adopting the latest Bluetooth 5.0 technology, the HR32 Marlin Bluetooth is able to maintain a strong, anti-interference connection to transmit data. Achieving communication distances of up to 50m, the Marlin is as at home in a tight localized workspace where wires are unwanted clutter, as it is to bridging wider gaps from a host to a scanner.

### Seven scanners to one base station.

The Bluetooth 5.0 technology selected for the HR32 Marlin Bluetooth allows up to 7 scanners to be paired to a single base station, allowing coordinated scanning applications to transmit data a single host. This maximises available human resource without having to match up each scanner with a different PC, tablet or mobile computer.

### Real time and batch.

The intelligence in the HR32 Marlin Bluetooth allows the user to move seamlessly from direct BT download to a host. When out of range, it can store captured codes and download them when back in range. With its large memory capacity, enabling storage of up to 15,000 standard EAN barcodes, the Marlin can set up to work as a pure data collector.

### Configurable Illumination

The HR32 Marlin Bluetooth uses a combination of red and white light that can be used in tandem or independently of one another via the comprehensive user manual or via the software configuration tools.

### Powerful Data Editing.

The HR32 Marlin Bluetooth is compatible with Newland's EasySet configuration software, allowing users to create the ideal configurations to match the Marlin's incredible scanning performance with their application requirements. It has complex data formatting options to match the ever increasing complexities demanded from 2D barcodes in practical applications.

## Suggested industries



Retail



Warehousing



Finance



Healthcare



Postal

# HR32 Marlin Bluetooth Technical specifications

## Data Capture

1D	All major 1D symbologies, including EAN-8, EAN-13, UPC-E, UPC-A, Code128, Coupon, UCC/EAN128, CodaBar, I2Of5, Febraban, ITF14, ITF6, Matrix 25, Code39, Code93, ISSN, ISBN, Industrial 25, Standard 25, China Post 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K, AIM 128, ISBT 128.
2D	All major 2D symbologies, including PDF417, MicroPDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode.
Image Sensor	CMOS 1280 x 800
Aiming	Green LED
Illumination	White LED & Red LED
Depth of Field EAN 13 (13mil)	50-495mm
Depth of Field Code 39 (5mil)	85-220mm
Depth of Field PDF417 (6.67mil)	70-215mm
Depth of Field DataMatrix (10mil)	50-220mm
Depth of Field QR (15mil)	20-325mm
Field of View Horizontal	39°
Field of View Vertical	24°
Scan Angle Roll	360°
Scan Angle Pitch	±55°
Scan Angle Skew	±55°
Minimal Print Contrast	25%

## Performance

Memory Flash	≥15000 pieces Code 128 (20 byte of each code 128)
--------------	---

## Physical

Battery Type	2400mAh lithium-ion battery
Dimensions (mm)	Scanner: 113.5(W) x73.3(D) x159.0(H) mm
Expected Battery Life	≥12 hours of continuous operation (scan once per 6 seconds)
Expected Charge Time	≤4 hours
Input Voltage	5VDC ± 5%
Interfaces	RS-232, USB
Notifications	Beep, LED indicator
Weight	Scanner: 217g

## Wireless

Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	≥50m (direct line of sight in open air)
Communication Modes	Synchronous, asynchronous and batch modes

## Environmental

Operating Temperature	-20°C to 60°C (-4°F to 140°F)
-----------------------	-------------------------------

### Newland EMEA HQ

+31 (0) 345 87 00 33

[info@newland-id.com](mailto:info@newland-id.com)

[newland-id.com](http://newland-id.com)

Feel free to contact us or a partner near you

visit [newland-id.com/partners](http://newland-id.com/partners)

Specifications are subject to change without notice

© Newland EMEA 2023, all rights reserved

# HR32 Marlin Bluetooth Technical specifications

Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5%~95% (non-condensing)
Electro Static Discharge (ESD)	±8KV (air discharge); ±4KV (direct discharge)
Drop	Scanner: 1.5m Cradle: 1m
IP Rating	IP52 (scanner)

## Accessories

Standard	Cradle, Adapter, USB Cable
Optional	RS232 Cable

## Software

Configuration Tools	EasySet
---------------------	---------

## Certifications

Hardware	FCC Part15 Class B, CE EMC Class B
----------	------------------------------------

## Warranty

Standard	3 years
----------	---------

### Newland EMEA HQ

+31 (0) 345 87 00 33

[info@newland-id.com](mailto:info@newland-id.com)

[newland-id.com](http://newland-id.com)

Feel free to contact us or a partner near you

visit [newland-id.com/partners](http://newland-id.com/partners)

Specifications are subject to change without notice

© Newland EMEA 2023, all rights reserved