

# Baracoda RoadRunners

BRR-F / Cordless 1D & 2D

*Designed for applications where form factor, weight and autonomy are key*

- Very performant on very small and dense 2D barcodes
- Superior Imager reading quality, 240 scans/s, can decode damaged barcodes
- Huge battery autonomy more than 20,000 scans
- Bluetooth Class 1 (up to 330ft, 100m)
- Withstand multiple drops to concrete with its protective boot
- Internal memory available for Batch mode
- Real Time Clock enables proof of visit
- Interfaces with a large variety of Bluetooth devices : PDA / mobile phone / Laptop / Tablet PC

The BRR-F provides a perfect fit for all applications that require a cost effective, aggressive scanning for very small and dense 2D barcodes. Compact and lightweight devices, Roadrunners are designed to answer most demanding cordless data capture requirements for mobile environments.

Thanks to its form factor combined with its huge autonomy and its High Definition 2D Imager technology, BRR-F is ideal for adding a 2D barcode scanner to PDAs/ mobile phones. For in premise applications, it will allow providing a convenient 2D cordless scanner, above all in the Electronic, Aerospace, Automotive, and Healthcare industries.

The Baracoda RoadRunners family are Bluetooth Class1 products, allowing them to easily be connectable to multiple Bluetooth mobile devices and to transmit barcodes up to 100 meters (330ft).

Thanks to Real Time Clock, the BRR-F provides a perfect fit for all applications requiring time management such as work-in-progress, proof of delivery and/or visit.

Scanning distance: 2 to 13 in. (5 to 33 cm)



## About Baracoda

World's leading manufacturer of Bluetooth wireless barcode readers, Baracoda promotes the development of data capture solutions for both Mobile and In premise applications. Specifically skilled in the management of power consumption, security, and the interoperability of systems, Baracoda provides customers and partners with appropriate, reliable, extremely competitive solutions suitable for all wireless environments. For more information, visit <http://www.baracoda.com>.

# BRR-F Specifications

## STANDARD - REGULATORY

Fully compliant with Bluetooth® 1.2 Standard Gap & SPP profiles. CE - FCC - Bluetooth certified

## USER INTERFACE

Two tricolors LEDs (Orange, Green and Red) Buzzer (85dBA)

## BLUETOOTH RANGE

Class 1 : up to 330 ft (100m)

## OPERATING MODES

Real Time (with or without timestamp)  
Batch (with or without timestamp): more than 10,000 UPC barcodes, Flash Memory 1 Mbyte.

## SCAN ENGINE

Reading technology Imager  
Reading distance 2 to 13 in (5 to 33 cm)  
Scan rate 240 scans/s  
Scan angle 40°

## READING MODE

Trigger  
Autoscan (True and Smart option)

## DECODING CAPABILITIES

Linear Barcodes Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 2 of 5, IATA Code 2 of 5, Matrix 2 of 5, Code 11, Code 128, Telepen, UPC A, UPC-A/EAN-13 with Extended Coupon Code, EAN/JAN13, EAN/JAN 8, MSI, Plessey Code, RSS-14, RSS Limited, RSS Expanded, PosiCode A and B  
Code49, Code 16K, PDF417, EAN/UCC composite codes, RSS stacked and composite, Trioptic, TLC39, Codablock F.  
Stacked Barcodes  
Postal barcodes Postnet, Planet Code, British Post, Canadian post, Kix (Netherlands) Post, Australian post, Japanese Post, China Post, Korea Post.  
Matrix barcodes QR Code, DataMatrix, MaxiCode, Aztec Code.

## POWER

1 X 2000 mAh Li-ion rechargeable  
Battery autonomy : more than 23,000 scans (1scan/sec)

## PHYSICAL

Length 4,76 in (121 mm)  
Width 1,61 in (41 mm)  
Height 1,25 in (32 mm)  
Weight 4,9 oz (140g)

## ENVIRONMENT

Operating temperature 32°F (0°C) - 104°F (40°C)  
Storage temperature 14°F (-10°C) - 158°F (70°C)  
Operating humidity 5 - 95% (Non condensing)  
Shock Several 5,9 ft (1,8 m) drops to concrete (with protective boot)  
Ambient light Full darkness to sunlight

## General features

### Ideal for mobility applications:

- BRR-F has a slick design, is small and lightweight (Fits neatly in one hand and can be easily attached to a belt via the key reel accessory).
- Very reliable, efficient, durable.
- Thanks to its PDA stylus, BaracodaRoadRunners can also be used as a stylus on PDA.

### Rugged product

RoadRunners, with their 3 mm of plastic casing protected by an additional layer of elastomer and the optional protective boot, are particularly adapted for harsh environments and remain fully functional even after numerous drops on concrete.

### Extremely Durable batteries

BRR-F delivers more than 10,000 scans over 48 hours of continuous use.

Battery monitoring possible: Visualise in Real Time from the Mobile Device the battery level status of the RoadRunners (Fuel Gauge)

### Superior reading quality

Can complete 240 scan per second and decode damaged or low quality barcodes. Thanks to its HD technology, it is very aggressive on very small 2D barcodes.

### No data loss mode and Auto Reconnection:

When RoadRunners are connected to a host, scanned barcodes are transmitted in real time to this host. Barcodes are stored within internal memory until they are acknowledged by the application. If you scan barcodes out of the radio range, they will be stored in memory and automatically downloaded when getting back into range.

### Internal Time clock

Every barcode can be Date and Time stamped.

### Batch mode:

If used in batch mode, RoadRunners can store up to 10000 UPC barcodes with timestamp.

### Intuitive user interface:

- Same button to switch on, connect and scan barcodes.
- Multi color led for connection and battery status.
- Sound beeps for successful scanning (Loud volume option available for noisy environment).

### Platforms compatibility:

Baracoda provides a user-friendly middleware (BaracodaManager) and also supplies developers with state of the art APIs to ease the integration platforms: PC ; PPC 2002/2003; CE.NET; Palm OS, Symbian serie 6 (Mobile Phones) and Java phones (Blackberry and JSR82)

### Plug and Scan Solutions

For instant replacement of corded scanners, Baracoda supplies advanced Bluetooth Serial (RS232) and USB adapters with its wireless scanners. Just plug & scan - there is no need for driver installation.

## Package content

- 1 Scanner with rechargeable batterie
- 1 PDA stylus
- 1 Charger (5V, 500mA)
- 1 CD with all the documentation and software needed.

## Available accessories



### Protective boot

The protective boot is made of lightweight, flexible elastomere, and slips easily over the scanner.



### Key retractable reel

key retractable reel will allow the users to get both hands free while carrying the scanner



### Cradle

Ideal charging station for in premise environments  
Possible to insert your scanner with or without protective boot  
2 versions available : 1 bay or 4 bays