

# CODE READER™ 3600



## A mobile reader with the best of both worlds.

The Code Reader™ 3600 (CR3600) is the latest addition to Code's advanced product line. This sleek, wireless scanner has a color screen and keypad that allows users to manually enter data in real time. The screen provides a mobile solution for users who need instant visibility to scanned information—from detailed inventory applications to event sales and management, the device handles every type of mobile barcode need.

### Features & Benefits

- Bright color display screen
- Lightweight models in palm and handled configurations
- Durable, quick-release rechargeable battery cartridges
- Battery status LED indicators with fuel gauge
- User feedback with vibration, audible tones and LED
- High speed, omnidirectional reading of 1D, 2D and Postal barcodes
- Multiple programmable buttons for customized work flow processes
- IP54 housing securely protects electronics and optics
- Paging button assists in reader location (charging station with embedded CodeXML® modem option only)
- Reads barcodes on mobile devices
- CortexRM™ Remote Management ready
- Powerful data management capability with JavaScript



*Palm configuration with charging station.*

## Multiple scenarios. One reader.

CR3600 has the ability to take on more than one workflow operation at a time. A variety of applications can be created and loaded onto the reader and can be accessed with a simple touch of a button. With a single scan of a barcode users can also direct the same data set to multiple applications. These features streamline workflow processes and ultimately lower costs by reducing the need to rely on numerous scanning devices.

For ease of customization and integration, a JavaScript license is included with each device, as well as multiple applications pre-installed with source code available for download from the Code website.

The CR3600 enables businesses in mobile markets to effectively record work orders, track inventory and invoices, and immediately read data for verifications. This combination of Bluetooth functionality and high-performance barcode reading capabilities makes the CR3600 an advanced barcode reading solution.

### Applications

Public safety, event management, retail, warehouse, inventory control, shipping/receiving, age verification

### Features at a glance



\*USB and RS232 communication modes are available via CodeXML Modems.

# CODE READER™ 3600 SPECIFICATIONS

## Physical Characteristics

<b>Palm Reader Dimensions</b>	1.4" H x 5.1" L x 2.0" W (36mm H x 130mm L x 51mm W)
<b>Handle Reader Dimensions</b>	5.6" H x 5.1" L x 2.0" W (142mm H x 130mm L x 51mm W)
<b>Charging Station Dimensions</b>	2.4" H x 4.5" L x 3.3" W (60mm H x 115mm L x 83mm W)
<b>Palm Reader Weight</b>	5.5 oz (155.9 g)
<b>Handle Reader Weight</b>	6.9 oz (195.6 g)
<b>Battery Weight</b>	1.7 oz (48 g)
<b>Charging Station with Embedded Modem Weight</b>	4.3 oz (121.9 g)
<b>Charging Station without Embedded Modem Weight</b>	3.8 oz (107.7 g)
<b>LCD Active Area Dimensions</b>	1.04" H x 1" W (26.5mm H x 25.5mm W)
<b>IP Rating</b>	54

## User Environment

<b>Operating Temperature</b>	-20° to 55° C / -4° to 131° F
<b>Storage Temperature</b>	-30° to 65° C / -22° to 150° F
<b>Humidity</b>	5% to 95% non-condensing
<b>Decode Capability</b>	<p><b>1D:</b> Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar (RSS), Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN</p> <p><b>Stacked 1D:</b> Codablock F, MicroPDF, PDF417, GS1 Composite (CC-A/CC-B/CC-C)</p> <p><b>2D:</b> Aztec Code, Data Matrix, Han Xin, MaxiCode, Micro QR, QR Code</p> <p><b>Proprietary 2D:</b> GoCode® (Additional License Required)</p> <p><b>Postal Codes:</b> Australian Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Postnet, UK Royal Mail, UPU ID-tags</p>
<b>Image Output Options</b>	Formats: JPEG or PGM
<b>Field Selection</b>	High Density or Wide Field
<b>Time Stamp</b>	Real-Time Stamp
<b>Data Editing</b>	JavaScript / CodeXML® Rules

## Working Ranges

CR3600 Performance		
Test Barcode	Min Inches (mm)	Max Inches (mm)
3 mil Code 39	3.1" (80 mm)	4.0" (102 mm)
7.5 mil Code 39	1.3" (33 mm)	7.2" (182 mm)
10.5 mil GS1 DataBar	0.8" (20 mm)	8.7" (220 mm)
13 mil UPC	1.1" (28 mm)	11.0" (280 mm)
5 mil DM	1.7" (43 mm)	4.5" (115 mm)
6.3 mil DM	1.3" (33 mm)	5.9" (150 mm)
10 mil DM	0.8" (20 mm)	7.1" (180 mm)
20.8 mil DM	1.1" (28 mm)	13.5" (343 mm)

Note: Working ranges are a combination of both the wide and high density fields. All samples were high quality barcodes and were read along a physical center line at a 10° angle. Default AGC settings were used. Accuracy= +/- 10%.

## Performance Characteristics

<b>Field of View</b>	High Density Field: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
<b>Focal Point</b>	Approximately 100 mm
<b>Sensor</b>	CMOS 1.2 Megapixel (1280 x 960) gray scale
<b>Optical Resolution</b>	High Density Field: 960 x 640 Wide Field: 960 x 640
<b>Display Resolution</b>	128 x 128 (RGB)
<b>Pitch</b>	± 60° (from front to back)
<b>Skew</b>	± 60° from plane parallel to symbol (side-to-side)
<b>Rotational Tolerance</b>	± 180°
<b>Print Contrast</b>	25% (1D symbologies) or 35% (2D symbologies) absolute dark/light reflectance differential, measured at 650 nm
<b>Target Beam</b>	Single, blue targeting bar
<b>Ambient Light Immunity</b>	Sunlight: Up to 9,000ft-candles/96,890 lux
<b>Shock</b>	Withstands multiple drops of 6' (1.8 Meters) to concrete
<b>Power Requirements</b>	<p>Reader @ 4.2vdc (mA): Typical = 179 mA; Peak = 331 mA; Idle = 101 mA; Sleep = 25 mA</p> <p>Charging Station with Embedded CodeXML® Modem: USB max charge rate = 542 mA USB trickle charge rate = 157 mA</p> <p>Charging Station with External CodeXML® M3 Modem: USB max charge rate = 495 mA USB trickle charge rate = 123 mA</p>
<b>Number of Scans</b>	Up to 30,000 scans per charge
<b>Memory Capacity</b>	128MB Flash ROM, 32MB RAM
<b>Bluetooth Modem</b>	RS232, USB.2.0 (Generic HID, HID Keyboard, Virtual COM Port)
<b>Communication Interfaces Operational Mode</b>	Bluetooth (Class II)
<b>Warranty</b>	2 Years; extended service plan available

## Accessories

- Lithium-Ion Battery
- Charging Station
- Charging Station with Embedded CodeXML® Modem
- CodeXML® M3 Modem (external)
- CodeXML® Router Software
- USB Charging Cable, US, Europe/South America, UK Power Supplies
- Various Cable Options Available. Visit [www.codecorp.com/cables.php](http://www.codecorp.com/cables.php) for a list of compatible cables
- Software Development Kits



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ADVANCED BARCODE READERS

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