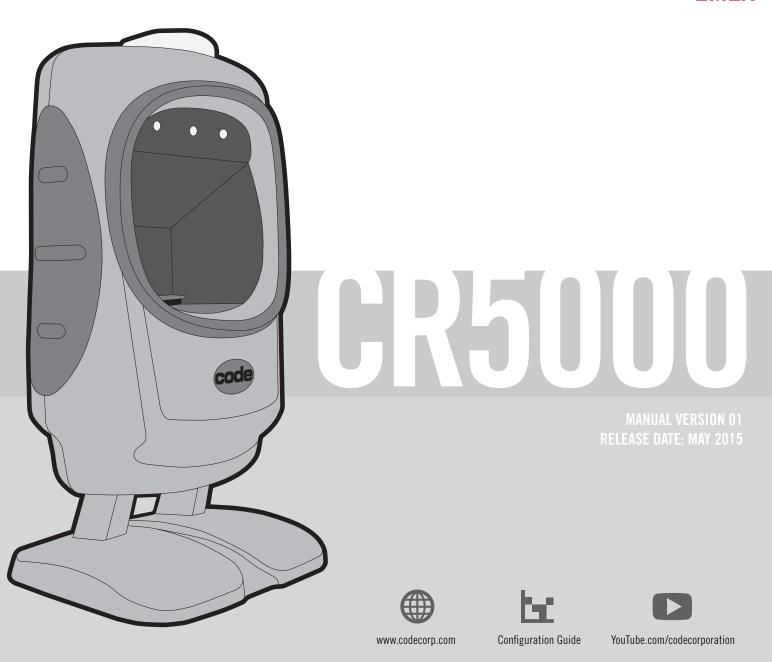
USER MANUAL EMEA







Statement of Agency Compliance



The Code Reader™ 5000 (CR5000) has been tested for compliance with FCC regulations and was found to be compliant with all applicable FCC Rules and Regulations.

IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, this device must not be co-located or operate in conjunction with any other antenna or transmitter.



CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The CR5000 has been tested for compliance to CE standards and guidelines and was found to conform to applicable CE standards:

EN 55022: Class B Radiated Emissions, Class B Conducted Emissions

EN-61000-3-2 (Harmonic Current Measurement)

EN 61000-3-3 (Voltage Flicker Measurement)

EN 55024: EN 61000-4-2 (ESD), EN 61000-4-3 (Radiated RF Immunity), EN 61000-4-4 (Electrical Fast Transients), EN 61000-4-5 (Lightning Surge), EN 61000-4-6 (Conducted RF Immunity), EN 61000-4-8 (Power-Frequency Magnetic Field), EN 61000-4-11 (Voltage Dips and Interrupts)

Code voids product warranty if the hard case has been opened or tampered with in any way.

Code Reader™ 5000 User Manual

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The Code Reader software uses the Mozilla SpiderMonkey JavaScript engine, which is distributed under the terms of the Mozilla Public License Version 1.1.

The Code Reader software is based in part on the work of the Independent JPEG Group.

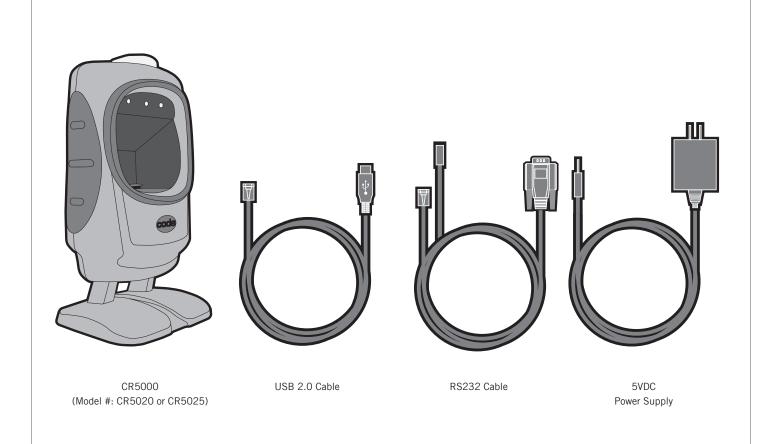
Code Corporation, 12393 S. Gateway Park Place, Ste. 600, Draper, Utah 84020 USA

www.codecorp.com

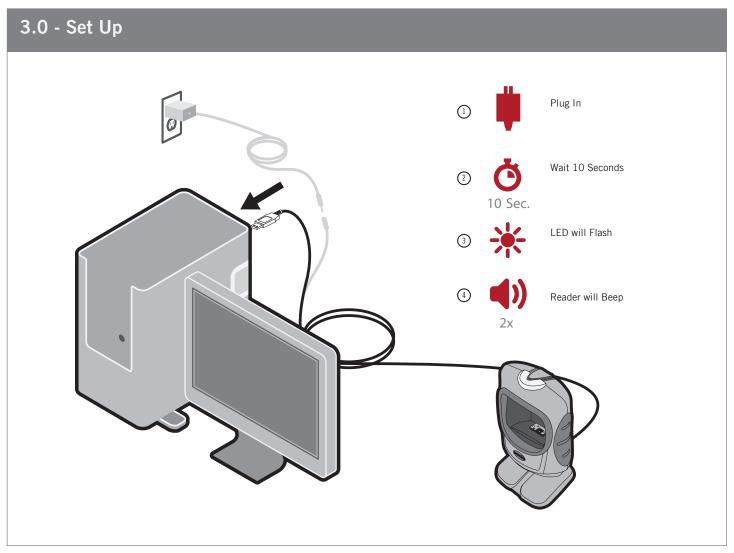
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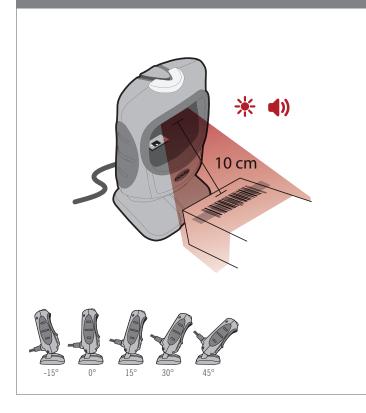
1.0 - Included Items (if Ordered)



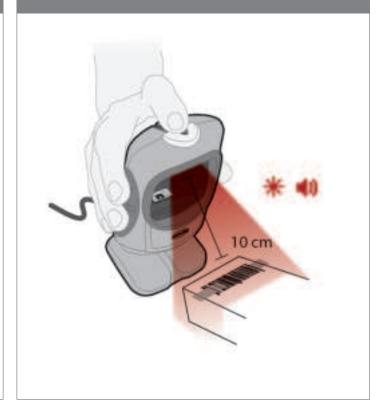
2.0 - Attaching and Detaching a Cable



4.0 - Using a CR5000 in Presentation Mode



5.0 - Using a CR5000 in Handheld Mode



6.0 - Reading Ranges

CR5000 Performance				
	Presentation Mode (Default)		Handheld Mode	
Test Barcode	Min Inches (mm)	Max Inches (mm)	Min Inches (mm)	Max Inches (mm)
5.8mil PDF	0" (0 mm)	2.0" (50 mm)	0.4" (10 mm)	4" (100 mm)
6.3mil DM	0" (0 mm)	2.4" (60 mm)	0.4" (10 mm)	4.5" (115 mm)
6.6mil PDF	0.4" (10 mm)	2.6" (65 mm)	0.4" (10 mm)	4.5" (115 mm)
10mil DM	0.4" (10 mm)	3.5" (90 mm)	0.4" (10 mm)	5.5" (140 mm)
13mil UPC	0.4" (10 mm)	4.9" (125 mm)	0.4" (10 mm)	7.5" (190 mm)
15 mil DM	0.4" (10 mm)	4.5" (115 mm)	0.4" (10 mm)	6.9" (175 mm)
20mil DM	0.4" (10 mm)	6.1" (155 mm)	0.4" (10 mm)	8.0" (205 mm)

Note: Handheld 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%.

7.0 - Reader Feedback

Scenario	Top LED Light	Sound
CR5000 Successfully Powers Up	*	1) 1x
CR5000 Successfully Enumerates with Host (via cable)		1x
Attempting to Decode	**	None
Successful Decode and Data Transfer	*	1x
Configuration Code Successfully Decoded and Processed	*	(1) 2x
Configuration Code Successfully Decoded but Wasn't Successfully Processed	*	4 x

8.0 - Symbologies Defaulted On

The following are symbologies that have a default of ON. To turn symbologies on or off, scan the symbology barcodes located in the CR5000 Configuration Guide located at website at www.codecorp.com.

Codabar All GS1 DataBar
Code 39 Interleaved 2 of 5
Code 93 MSI Plessy
Code 128 PDF417
Data Matrix QR Code
Data Matrix Rectangle UPC/EAN/JAN

9.0 - Symbologies Defaulted Off

Code barcode readers can read a number of barcode symbologies that are not enabled by default. To turn symbologies on or off, scan the symbology barcodes located in the CR5000 Configuration Guide located on our website at www.codecorp.com/files.php.

Codablock F Micro PDF417 Code 11 MSI Plessey Code 32 NEC 2 of 5 Code 49 Pharmacode Composite Plessey Standard 2 of 5 Han Xin Code Hong Kong 2 of 5 Telepen IATA 2 of 5 Trioptic Maxicode Postal Codes Matrix 2 of 5

10.0 - Configuring a CR5000

The online Configuration Guide Generator found at www.codecorp.com/configguide may be used to quickly configure a CR5000 to desired settings.

11.0 - CR5000AV

The CR5000AV (Model# CR5025) is stand-alone age verification solution that does not require a PC or manual management of data to alert a clerk of an underage patron. When reading an AAMVA-compliant barcoded Driver License, the CR5000AV is enabled by default to alert users if a patron is under the age of 21.

The CR5000AV verifies the age of a patron using its Real Time Clock (RTC) which is set during the manufacturing process. The RTC can be changed to reflect local time, the primary minimum age setting can be changed, and a secondary age set with the online Configuration Generator found at www.codecorp.com/configguide, or with the CortexTools® utility that can be downloaded at www.codecorp.com/downloads.php.

If you have questions about a specific Identification or Driver License, please contact support@codecorp.com.

12.0 - Reader ID and Firmware Version

Radio firmware

version

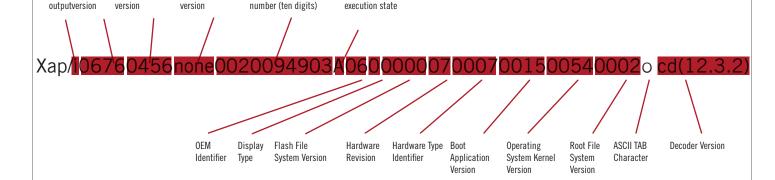
To find out the Reader ID and firmware version, open a text editor program (i.e., Notepad, Microsoft Word, etc.) and read the Reader ID and Firmware configuration barcode:

Reader ID and Firmware



A text string indicating the firmware version and CR5000 ID number will be displayed. example: Xap/i06760456none0020094903A0600000070007001500540000ocd(12.3.2)(see below):

Reader serial



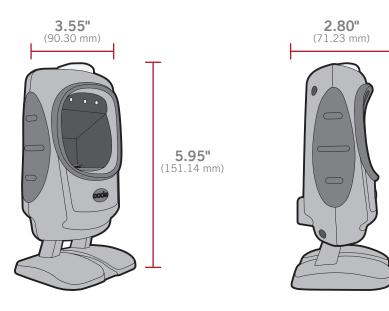
Current execution state

Note: Code will periodically release new firmware for CR5000 readers. For information on latest firmware visit our website at www.codecorp.com/codesupport.php.

String Firmware Boot firmware

version

13.0 - CR5000 Overall Dimensions



14.0 - USB Cable Example with Pinouts

NOTES:

- 1. Part to be ROHS and Reach compliant.
- 2. Maximum Voltage Tolerance = 5V +/- 10%.
- 3. Caution: Exceeding the maximum voltage will void manufacturer warranty.

CONNECTOR A	NAME	WIRE	COLOR	CONNECTOR B
1	VIN	24AWG	RED	1
2	DM	26AWG	WHITE	2
3	DP	26AWG	GREEN	3
4	GND	24AWG	BLACK	10
SHELL	-	SHIELD	BARE	SHELL

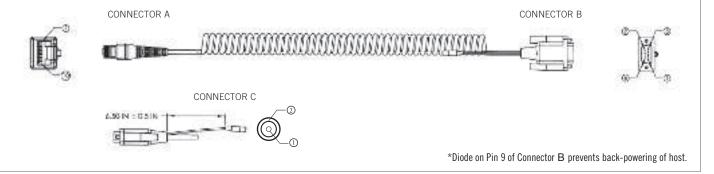


15.0 - RS232 Cable Example with Pinouts

NOTES:

- 1. Part to be ROHS and Reach compliant.
- 2. Maximum Voltage Tolerance = 5V +/- 10%.
- 3. Caution: Exceeding the maximum voltage will void manufacturer warranty.

CONNECTOR A	NAME	CONNECTOR B	CONNECTOR C
1	VIN	9	TIP
4	TX	2	
5	RTS	8	
6	RX	3	
7	CTS	7	
10	GND	5	RING
N/C	SHIELD	SHELL	



16.0 - Reader Pinouts

The connector on the CR5000 is an RJ-50 (10P-10C). The pinouts are as follows:

Pin 1	+VIN (5v)	Pin 6	RS232 RX (input to reader)
Pin 2	USB_DM	Pin 7	RS232 CTS (input to reader)
Pin 3	USB_DP	Pin 8	Reserved for EAS
Pin 4	RS232 TX (output from reader)	Pin 9	Reserved for EAS
Pin 5	RS232 RTS (output from reader)	Pin 10	Ground

17.0 - CR5000 Maintenance

The CR5000 device needs only a minimum of maintenance to operate. A few tips are given below for maintenance suggestions.

Cleaning the CR5000 Window

CR5000 window should be clean to allow the best performance of the device. The window is the clear plastic piece inside the head of the reader. Do not touch the window. Your CR5000 uses CMOS technology that is much like a digital camera. A dirty window may stop the CR5000 from reading barcodes. If the window becomes dirty, clean it with a soft, non-abrasive cloth or a facial tissue (no lotions or additives) that has been moistened with water.

Technical Support and Returns

For returns or technical support visit www.codecorp.com/codesupport.php.

18.0 - Warranty*

The CR5000 carries a standard three year limited warranty as described herein. Cables have a 30 day warranty period.

Limited Warranty. Code warrants each Code product against defects in materials and workmanship under normal use for the Warranty Coverage Term applicable to the product as described at www.codecorp.com/legal/warranty/term.php. If a hardware defect arises and a valid warranty claim is received by Code during the Warranty Coverage Term, Code will either: i) repair a hardware defect at no charge, using new parts or parts equivalent to new in performance and reliability; ii) replace the Code product with a product that is new or refurbished product with equivalent functionality and performance, which may include replacing a product that is no longer available with a newer model product; or ii) in the case of failure with any software, including embedded software included in any Code product, provide a patch, update, or other work around. All replaced products become the property of Code. All warranty claims must be made using Code's RMA process.

Exclusions. This warranty does not apply to: i) cosmetic damage, including but not limited to scratches, dents, and broken plastic; ii) damage resulting from use with non-Code products or peripherals, including batteries, power supplies, cables, and docking station/cradles; iii) damage resulting from accident, abuse, misuse, flood, fire or other external causes, including damage caused by unusual physical or electrical stress, immersion in fluids or exposure to cleaning products not approved by Code, puncture, crushing, and incorrect voltage or polarity; iv) damage resulting from services performed by anyone other than a Code authorized repair facility; v) any product that has been modified or altered; vi) any product on which the Code serial number has been removed or defaced. If a Code Product is returned under a warranty claim and Code determines, in Code's sole discretion, that the warranty remedies do not apply, Code will contact Customer to arrange either: i) repair or replace the Product; or ii) return the Product to Customer, in each case at Customer's expense.

Non Warranty Repairs. Code warrants its repair/replacement services for ninety (90) days from the date of shipment of the repaired/ replacement product to the Customer. This warranty applies to repairs and replacements for: i) damage excluded from the limited warranty described above; and ii) Code Products on which the limited warranty described above has expired (or will expire within such ninety (90) day warranty period). For repaired product this warranty covers only the parts that were replaced during the repair and the labor associated with such parts.

No Extension of Term of Coverage. Product that is repaired or replaced, or for which a software patch, update, or other work around is provided, assumes the remaining warranty of the original Code Product and does not extend the duration of the original warranty period.

Software and Data. Code is not responsible for backing up or restoring any of software, data, or configuration settings, or reinstalling any of the foregoing on products repaired or replaced under this limited warranty.

Shipping and Turn Around Time. The estimated RMA turn-around time from receipt at Code's facility to shipment of the repaired or replaced product to Customer is ten (10) business days. An expedited turn-around time may apply to products covered under certain CodeOne Service Plans. Customer is responsible for shipping and insurance charges for shipping Code Product to Code's designated RMA facility and repaired or replaced product is returned with shipping and insurance paid by Code. Customer is responsible for all applicable taxes, duties, and similar charges.

Transfer. If a customer sells a covered Code Product during the Warranty Coverage Term, then that coverage may be transferred to the new owner by written notification from the original owner to Code Corporation at:

CodeOne Service Center 12393 South Gateway Park Place, Suite 600 Draper, UT 84020 USA

Limitation on Liability. Code's performance as described herein shall be Code's entire liability, and the Customer's sole remedy, resulting from any defective Code product. Any claim that Code has failed to perform its warranty obligations as described herein must be made within six (6) months of the alleged failure. Code's maximum liability related to its performance, or failure to perform, as described herein shall be limited to the amount paid by Customer for the Code product that is subject to the claim. In no event will either party be liable for any lost profits, lost savings, incidental damage, or other economic consequential damages. This is true even if the other party is advised of the possibility of such damages.

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*EMEA Warranty Period.