# Code Reader™ 1000/1400/8000 Configuration Guide

Code Reader™ 1000

Code Reader™ 1400

Code Reader™ 8000

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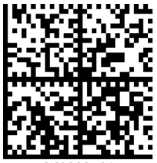
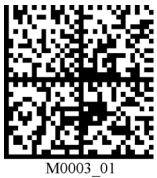
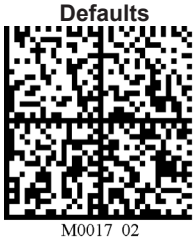
# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

| | | | |
|---|---|---|---|
| **USB Keyboard Mode**<br>  <br>M0002_01<br>A1 | **USB Downloader Mode**<br> <br>M0004_01<br>A2 | **USB Virtual COM One Way Mode**<br> <br>M0005_01<br>A3 | **USB Native Two Way Mode**<br> <br>M0006_01<br>A4 |
| **USB HID POS (Terminal ID 131)**<br>  <br>M0003_01<br>B1 | **Reset to USB Factory Defaults**<br> <br>M0001_02<br>B2 | **Intentionally Left Blank**<br>B3 | **Intentionally Left Blank**<br>B4 |
| **RS-232 Raw Mode**<br> <br>M0149_01<br>C1 | **RS-232 Packet Mode**<br> <br>M0150_01<br>C2 | **Reset to RS-232 Factory Defaults**<br>  <br>M0017_02<br>C3 | **RS-232 Interface 7 Data Bits**<br> <br>M0018_01<br>C4 |
| **RS-232 Interface 8 Data Bits - Default**<br> <br>M0019_01<br>D1 | **RS-232 Interface 1200 Baud Rate**<br> <br>M0020_01<br>D2 | **RS-232 Interface 2400 Baud Rate**<br> <br>M0021_01<br>D3 | **RS-232 Interface 4800 Baud Rate**<br> <br>M0022_01<br>D4 |
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# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

**Continuous Scan Both Imagers**

M0127 02

A1

**Continuous Scan Off - Default**

M0126_03

A2

**Motion Detection**

- CR1000 and CR1400 readers that feature stand detection will default to motion detection reading when the reader is placed in a stand. Scanning 'Disable Motion Detection with Stand Detection' (B2), will put the reader into motion detection reading when the reader is both in and out of the stand
- To disable all motion detection, you must scan 'Disable Motion Detection with Stand Detection' (B2) and 'Motion Detection Scanning Off' (D1)
- To enable motion detection with stand detection after all motion detection has been turned off, scan any 'Motion Detection On' (C1-C4) code, and scan 'Enable Motion Detection with Stand Detection' (B1)
- To enable motion detection in readers that do not feature stand detection, scan the 'Motion Detection On' setting you prefer (C1-C4)

Refer to the reader's QuickStart Guide or User Manual to determine if your reader features stand detection.

**Enable Motion Detection with Stand Detection, Start Delay 0 - Default**

M0216_02

B1

**Disable Motion Detection with Stand Detection**

M0217_02

B2

**Motion Detection On, Start Delay 0**

M0161_03

C1

**Motion Detection On, Start Delay 500ms**

M0162 03

C2

**Motion Detection On, Start Delay 0, Dark Environment**

M0163 03

C3

**Motion Detection On, Start Delay 500ms, Dark Environment**

M0164 03

C4

**Motion Detection Scanning Off**

M0129 08

D1

**Australian Post On**

M0345_01

D2

**Australian Post Off - Default**

M0346_01

D3

**Aztec On - Default**

M0033_01

D4

**Aztec Off**

M0034_01

E1

**Aztec Inverse On**

M0035_01

E2

**Aztec Inverse & Normal**

M0036_01

E3

**Codabar On - Default**

M0037_01

E4

**Codabar Off**

M0038_01

F1

**Codablock F On**

M0039_01

F2

**Codablock F Off - Default**

M0040_01

F3

**Intentionally Left Blank**

F4

# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

| | | | |
|---|---|---|---|
| **Intentionally Left Blank**<br>A1 | **Code 11 On**<br> <br>M0042_01<br>A2 | **Code 11 Off - Default**<br> <br>M0041_01<br>A3 | **Code 11 - Checksum 1 digit**<br> <br>M0043_01<br>A4 |
| **Code 11 - Checksum 2 digit & Strip from Result**<br> <br>M0044_01<br>B1 | **Code 11 - Checksum 1 digit & Strip from Result**<br> <br>M0045_01<br>B2 | **Code 32 On**<br> <br>M0327_01<br>B3 | **Code 32 Off - Default**<br> <br>M0326_01<br>B4 |
| **Intentionally Left Blank**<br>C1 | **Code 39 On - Default**<br> <br>M0046_01<br>C2 | **Code 39 Off**<br> <br>M0047_01<br>C3 | **Code 39 Enable Checksum**<br> <br>M0048_01<br>C4 |
| **Code 39 Disable Checksum - Default**<br> <br>M0049_01<br>D1 | **Code 39 Enable Checksum and Strip**<br> <br>M0050_01<br>D2 | **Code 39 Extended Full ASCII On**<br> <br>M0051_01<br>D3 | **Code 39 Extended Full ASCII Off - Default**<br> <br>M0052_01<br>D4 |
| **Intentionally Left Blank**<br>E1 | **Intentionally Left Blank**<br>E2 | **Code 93 On - Default**<br> <br>M0059_01<br>E3 | **Code 93 Off**<br> <br>M0060_01<br>E4 |
| **Code 128 On - Default**<br> <br>M0061_01<br>F1 | **Code 128 Off**<br> <br>M0062_01<br>F2 | **Composite On**<br> <br>M0065_01<br>F3 | **Composite Off - Default**<br> <br>M0066_01<br>F4 |

# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

| | | | |
|---|---|---|---|
| **Data Matrix Rectangle On - Default**<br> <br>M0067_01<br>A1 | **Data Matrix Rectangle Off**<br> <br>M0068_01<br>A2 | **Data Matrix Inverse On**<br> <br>M0069_01<br>A3 | **Data Matrix Inverse Off - Default**<br> <br>M0070_01<br>A4 |
| **GS1 DataBar Limited On**<br> <br>M0112_01<br>B1 | **GS1 DataBar 14/ Truncated 14 On**<br> <br>M0113_01<br>B2 | **GS1 DataBar 14 Stacked On**<br> <br>M0114_01<br>B3 | **GS1 DataBar Expanded On**<br> <br>M0115_01<br>B4 |
| **All GS1 DataBar On - Default**<br> <br>M0116_01<br>C1 | **All GS1 DataBar Off**<br> <br>M0117_01<br>C2 | **Han Xin On**<br> <br>M0330_01<br>C3 | **Han Xin Off - Default**<br> <br>M0331_01<br>C4 |
| **Hong Kong 2 of 5 On**<br> <br>M0335_01<br>D1 | **Hong Kong 2 of 5 Off - Default**<br> <br>M0334_01<br>D2 | **Hong Kong 2 of 5 1 Digit Symbol Allowed**<br> <br>M0336_01<br>D3 | **Hong Kong 2 of 5 Digit Symbol Allowed**<br> <br>M0337_01<br>D4 |
| **Int 2 of 5 On - Default**<br> <br>M0073_01<br>E1 | **Int 2 of 5 Off**<br> <br>M0074_01<br>E2 | **Int 2 of 5 2 Digits On**<br> <br>M0075_01<br>E3 | **Int 2 of 5 2 Digits Off**<br> <br>M0076_01<br>E4 |
| **Intentionally Left Blank**<br>F1 | **Intentionally Left Blank**<br>F2 | **Intentionally Left Blank**<br>F3 | **Intentionally Left Blank**<br>F4 |

# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

| | | | |
|---|---|---|---|
| **Int 2 of 5<br>4 Digits On**<br> <br>M0077_01<br>A1 | **Int 2 of 5<br>4 Digits Off**<br> <br>M0078_01<br>A2 | **Int 2 of 5 with Control<br>Character Stripped**<br> <br>M0151_01<br>A3 | **Int 2 of 5 Checksum On<br>(no character stripping)**<br> <br>M0323_01<br>A4 |
| **Int 2 of 5 Checksum Off**<br> <br>M0322_01<br>B1 | **Intelligent Mail On<br>(4 State CB)**<br> <br>M0343_01<br>B2 | **Intelligent Mail Off<br>(4 State CB) - Default**<br> <br>M0344_01<br>B3 | **Intentionally Left<br>Blank**<br>B4 |
| **Japan Post On**<br> <br>M0349_01<br>C1 | **Japan Post Off - Default**<br> <br>M0350_01<br>C2 | **KIX Code On**<br> <br>M0347_01<br>C3 | **KIX Code Off - Default**<br> <br>M0348_01<br>C4 |
| **Intentionally Left<br>Blank**<br>D1 | **Intentionally Left<br>Blank**<br>D2 | **Maxicode On**<br> <br>M0079_01<br>D3 | **Maxicode Off - Default**<br> <br>M0080_01<br>D4 |
| **Matrix 2 of 5 On**<br> <br>M0081_01<br>E1 | **Matrix 2 of 5 Off - Default**<br> <br>M0082_01<br>E2 | **Micro PDF417 On**<br> <br>M0083_01<br>E3 | **Micro PDF417 Off - Default**<br> <br>M0084_01<br>E4 |
| **MSI Plessy On - Default**<br> <br>M0085_01<br>F1 | **MSI Plessy Off**<br> <br>M0086_01<br>F2 | **Intentionally Left<br>Blank**<br>F3 | **Intentionally Left<br>Blank**<br>F4 |

# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

| | | | |
|---|---|---|---|
| **NEC 2 of 5 On**<br>M0087_01<br>A1 | **NEC 2 of 5 Off - Default**<br>M0088_01<br>A2 | **PDF417 On - Default**<br>M0091_01<br>A3 | **PDF417 Off**<br>M0092_01<br>A4 |
| **Intentionally Left Blank**<br>B1 | **Intentionally Left Blank**<br>B2 | **Pharmacode On**<br>M0221_01<br>B3 | **Pharmacode Off - Default**<br>M0220_01<br>B4 |
| **Pharmacode Normal Barcode Decoding (left to right) On**<br>M0227_03<br>C1 | **Pharmacode Reverse Barcode Decoding (right to left) On**<br>M0226_03<br>C2 | **PLANET On**<br>M0341_01<br>C3 | **PLANET Off - Default**<br>M0342_01<br>C4 |
| **POSTNET On**<br>M0339_01<br>D1 | **POSTNET Off - Default**<br>M0340_01<br>D2 | **Plessey On**<br>M0325_01<br>D3 | **Plessey Off - Default**<br>M0324_01<br>D4 |
| **QR Code On - Default**<br>M0104_01<br>E1 | **QR Code Off**<br>M0105_01<br>E2 | **QR Code Inverse and Standard On**<br>M0109_01<br>E3 | **QR Code Inverse On**<br>M0108_01<br>E4 |
| **Enable All QR Code On (includes Micro QR)**<br>M0110_01<br>F1 | **Inverse and Micro QR Code On**<br>M0111_01<br>F2 | **Intentionally Left Blank**<br>F3 | **Intentionally Left Blank**<br>F4 |

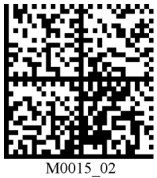
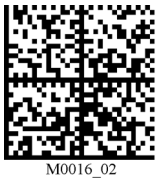
# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

| | | | |
|---|---|---|---|
| **Straight 2 of 5 On**<br> <br>M0329_01<br>A1 | **Straight 2 of 5 Off - Default**<br> <br>M0328_01<br>A2 | **Telepen On**<br> <br>M0118_01<br>A3 | **Telepen Off - Default**<br> <br>M0119_01<br>A4 |
| **Trioptic On**<br> <br>M0056_01<br>B1 | **Trioptic Off - Default**<br> <br>M0055_01<br>B2 | **UK Royal Mail On**<br> <br>M0351_01<br>B3 | **UK Royal Mail Off - Default**<br> <br>M0352_01<br>B4 |
| **UPC On - Default**<br> <br>M0120_01<br>C1 | **UPC Off**<br> <br>M0121_01<br>C2 | **UPC Extension On**<br> <br>M0124_01<br>C3 | **UPC Extension Off - Default**<br> <br>M0125_01<br>C4 |
| **UPU ID-Tag On**<br> <br>M0365_01<br>D1 | **UPU ID-Tag On**<br> <br>M0366_01<br>D2 | **Intentionally Left Blank**<br>D3 | **Intentionally Left Blank**<br>D4 |
| **Intentionally Left Blank**<br>E1 | **Intentionally Left Blank**<br>E2 | **Intentionally Left Blank**<br>E3 | **Belgium Keyboard**<br> <br>M0189_01<br>E4 |
| **Swiss Keyboard**<br> <br>M0190_01<br>F1 | **US English Keyboard Mapping - Default No Leading 0**<br> <br>M0008_02<br>F2 | **US English Keyboard Mapping - Leading 0**<br> <br>M0007_02<br>F3 | **French Keyboard**<br> <br>M0010_01<br>F4 |

# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

| | | | |
|---|---|---|---|
| **German Keyboard**<br> <br>M0011_01<br>A1 | **Japanese Keyboard**<br> <br>M0012_01<br>A2 | **Control Characters for Non Printable ASCII**<br> <br>M0009_02<br>A3 | **Universal Keyboard Mapping**<br> <br>M0013_01<br>A4 |
| **Enable Alternative OS (Windows CE/MAC/Unix/Linux)**<br>  <br>M0015_02<br>B1 | **Disable Alternative OS**<br>  <br>M0016_02<br>B2 | **Mirroring On**<br> <br>M0152_01<br>B3 | **Mirroring Off - Default**<br> <br>M0153_02<br>B4 |
| **Prefix - AIM IDs On**<br> <br>M0159_01<br>C1 | **Prefix - AIM IDs Off - Default**<br> <br>M0160_02<br>C2 | **Prefix - Comma**<br> <br>M0130_02<br>C3 | **Prefix - Space**<br> <br>M0131_02<br>C4 |
| **Prefix - Tab (USB Keyboard Mode ONLY)**<br> <br>M0132_02<br>D1 | **Prefix - Tab (RS-232 Mode ONLY)**<br> <br>M0133_02<br>D2 | **Prefix - Erase/None - Default**<br> <br>M0134_02<br>D3 | **Prefix - CRLF RS232 Only**<br> <br>M0135_02<br>D4 |
| **Suffix - Carriage Return RS232 Only**<br> <br>M0136_02<br>E1 | **Suffix - Comma**<br> <br>M0137_02<br>E2 | **Suffix - Line Feed RS232 Only**<br> <br>M0138_02<br>E3 | **Suffix - Carriage Return Line Feed RS232 Only**<br> <br>M0139_02<br>E4 |
| **Suffix - Space**<br> <br>M0140_02<br>F1 | **Suffix - Enter Keyboard Only**<br> <br>M0141_02<br>F2 | **Suffix - Tab (USB Keyboard Mode Only)**<br> <br>M0142_02<br>F3 | **Suffix - Tab (RS-232 Mode Only)**<br> <br>M0143_02<br>F4 |

# CR1000/CR1400/CR8000 Configuration Guide

**NOTE:** The configuration change will take effect immediately and saved to memory.

| | | | |
|---|---|---|---|
| **Suffix - Erase/None - Default**<br> <br>M0144_02<br>A1 | **Erase All Prefix & Suffix Data**<br> <br>M0145_02<br>A2 | **Reader ID and Firmware Version**<br> <br>M0248_02<br>A3 | **Reader Text Commands On**<br> <br>M0146_01<br>A4 |
| **Reader Text Commands Off - Default**<br> <br>M0147_01<br>B1 | **Clear All Stored Data and Images**<br> <br>M0071_01<br>B2 | **Clear All JavaScript Rules**<br> <br>M0165_01<br>B3 | **Beep On Vibrate On - Default (CR1400 Only)**<br> <br>M0188_01<br>B4 |
| **Beep Off Vibrate On (CR1400 Only)**<br> <br>M0167_01<br>C1 | **Beep On Vibrate Off (CR1400 Only)**<br> <br>M0168_01<br>C2 | **Beep Off Vibrate Off (CR1400 Only)**<br> <br>M0169_01<br>C3 | **Beep Volume 0% (CR1000 and CR1400 Only)**<br> <br>M0309_01<br>C4 |
| **Beep Volume 33% (CR1000 and CR1400 Only)**<br> <br>M0310_01<br>D1 | **Beep Volume 67% (CR1000 and CR1400 Only)**<br> <br>M0311_01<br>D2 | **Beep Volume 100% (CR1000 and CR1400 Only)**<br> <br>M0312_01<br>D3 | **Duplicate Scan Disable**<br> <br>M0191_01<br>D4 |
| **1 sec Duplicate Scan Delay**<br> <br>M0192_01<br>E1 | **2 sec Duplicate Scan Delay**<br> <br>M0193_01<br>E2 | **3 sec Duplicate Scan Delay**<br> <br>M0194_01<br>E3 | **Default Trigger Delay**<br> <br>M0195_01<br>E4 |
| **Targeting Off**<br> <br>M0196_01<br>F1 | **Targeting On - Default**<br> <br>M0197_01<br>F2 | **Cell Phone Reading Enhancement Enable**<br> <br>M0250_01<br>F3 | **Cell Phone Reading Enhancement Disable**<br> <br>M0251_01<br>F4 |