

CONFIGURATION GUIDE



CR950

Configuration barcodes generated based on current firmware versions
D036881_01 CR950 Configuration Guide
4-29-2020



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User Manual



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code
ADVANCED BARCODE READERS

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<p>Code 39 Checksum Stripped from Result On</p>  <p>M20030_01</p> <p style="text-align: right;">A1</p>	<p>Code 93 On - Default</p>  <p>M20265_01</p> <p style="text-align: right;">A2</p>	<p>Code 93 Off</p>  <p>M20266_01</p> <p style="text-align: right;">A3</p>	<p>Composite On</p>  <p>M20036_01</p> <p style="text-align: right;">A4</p>
<p>Composite Off - Default</p>  <p>M20037_01</p> <p style="text-align: right;">B1</p>	<p>Data Matrix On - Default</p>  <p>M20038_02</p> <p style="text-align: right;">B2</p>	<p>Data Matrix Off</p>  <p>M20039_01</p> <p style="text-align: right;">B3</p>	<p>Data Matrix Mirror On</p>  <p>M20042_01</p> <p style="text-align: right;">B4</p>
<p>Data Matrix Mirror Off - Default</p>  <p>M20043_01</p> <p style="text-align: right;">C1</p>	<p>Data Matrix Inverse and Normal On - Default</p>  <p>M20040_01</p> <p style="text-align: right;">C2</p>	<p>Data Matrix Inverse Off</p>  <p>M20041_01</p> <p style="text-align: right;">C3</p>	<p>Data Matrix Rectangular On - Default</p>  <p>M20044_01</p> <p style="text-align: right;">C4</p>
<p>Data Matrix Rectangular Off</p>  <p>M20045_01</p> <p style="text-align: right;">D1</p>	<p>Data Matrix Rectangular Extended On</p>  <p>M20046_01</p> <p style="text-align: right;">D2</p>	<p>Data Matrix Rectangular Extended Off - Default</p>  <p>M20047_01</p> <p style="text-align: right;">D3</p>	<p>Hong Kong 2 of 5 On</p>  <p>M20058_01</p> <p style="text-align: right;">D4</p>
<p>Hong Kong 2 of 5 Off - Default</p>  <p>M20059_01</p> <p style="text-align: right;">E1</p>	<p>Interleaved 2 of 5 On - Default</p>  <p>M20060_01</p> <p style="text-align: right;">E2</p>	<p>Interleaved 2 of 5 Off</p>  <p>M20061_01</p> <p style="text-align: right;">E3</p>	<p>Interleaved 2 of 5 Checksum On</p>  <p>M20062_01</p> <p style="text-align: right;">E4</p>

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<p>Interleaved 2 of 5 Checksum Off - Default</p>  <p>M20063_01</p> <p style="text-align: right;">A1</p>	<p>Interleaved 2 of 5 Checksum Stripped from Result On</p>  <p>M20064_01</p> <p style="text-align: right;">A2</p>	<p>Interleaved 2 of 5 Checksum Stripped from Result Off - Default</p>  <p>M20077_01</p> <p style="text-align: right;">A3</p>	<p>Matrix 2 of 5 On</p>  <p>M20071_01</p> <p style="text-align: right;">A4</p>
<p>Matrix 2 of 5 Off - Default</p>  <p>M20072_01</p> <p style="text-align: right;">B1</p>	<p>Micro PDF417 On</p>  <p>M20090_01</p> <p style="text-align: right;">B2</p>	<p>Micro PDF417 Off - Default</p>  <p>M20091_01</p> <p style="text-align: right;">B3</p>	<p>Micro QR Code On</p>  <p>M20103_01</p> <p style="text-align: right;">B4</p>
<p>Micro QR Code Off - Default</p>  <p>M20104_01</p> <p style="text-align: right;">C1</p>	<p>Mode 1 QR Code On</p>  <p>M20105_01</p> <p style="text-align: right;">C2</p>	<p>Mode 1 QR Code Off - Default</p>  <p>M20106_01</p> <p style="text-align: right;">C3</p>	<p>MSI Plessey Checksum Must Be Mod 10</p>  <p>M20079_01</p> <p style="text-align: right;">C4</p>
<p>MSI Plessey Checksum Off - Default</p>  <p>M20078_01</p> <p style="text-align: right;">D1</p>	<p>MSI Plessey Checksum Stripped from Result On</p>  <p>M20082_01</p> <p style="text-align: right;">D2</p>	<p>MSI Plessey Checksum Stripped from Result Off - Default</p>  <p>M20083_01</p> <p style="text-align: right;">D3</p>	<p>MSI Plessey Checksum Must Be Mod 11/10</p>  <p>M20081_02</p> <p style="text-align: right;">D4</p>
<p>MSI Plessey Checksum Must Be Mod 10/10</p>  <p>M20080_02</p> <p style="text-align: right;">E1</p>	<p>MSI Plessey On</p>  <p>M20075_01</p> <p style="text-align: right;">E2</p>	<p>MSI Plessey Off - Default</p>  <p>M20076_01</p> <p style="text-align: right;">E3</p>	<p>NEC 2 of 5 Checksum On - Default</p>  <p>M20086_01</p> <p style="text-align: right;">E4</p>





















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<p>NEC 2 of 5 Checksum Off</p>  <p>M20087_01</p> <p style="text-align: right;">A1</p>	<p>NEC 2 of 5 On</p>  <p>M20084_01</p> <p style="text-align: right;">A2</p>	<p>NEC 2 of 5 Off - Default</p>  <p>M20085_01</p> <p style="text-align: right;">A3</p>	<p>PDF417 On - Default</p>  <p>M20088_01</p> <p style="text-align: right;">A4</p>
<p>PDF417 Off</p>  <p>M20089_01</p> <p style="text-align: right;">B1</p>	<p>QR Code On - Default</p>  <p>M20096_01</p> <p style="text-align: right;">B2</p>	<p>QR Code Off</p>  <p>M20097_01</p> <p style="text-align: right;">B3</p>	<p>QR Code Standard Only - Default</p>  <p>M20098_01</p> <p style="text-align: right;">B4</p>
<p>QR Code Mirror On</p>  <p>M20101_01</p> <p style="text-align: right;">C1</p>	<p>QR Code Mirror Off - Default</p>  <p>M20102_01</p> <p style="text-align: right;">C2</p>	<p>QR Code Inverse and Normal On</p>  <p>M20100_01</p> <p style="text-align: right;">C3</p>	<p>QR Code Inverse Only</p>  <p>M20099_01</p> <p style="text-align: right;">C4</p>
<p>Telepen On</p>  <p>M20109_01</p> <p style="text-align: right;">D1</p>	<p>Telepen Off - Default</p>  <p>M20110_01</p> <p style="text-align: right;">D2</p>	<p>Output Telepen as Numeric - Default</p>  <p>M20117_01</p> <p style="text-align: right;">D3</p>	<p>Output Telepen as ASCII</p>  <p>M20116_01</p> <p style="text-align: right;">D4</p>
<p>Trioptic On</p>  <p>M20118_01</p> <p style="text-align: right;">E1</p>	<p>Trioptic Off - Default</p>  <p>M20119_01</p> <p style="text-align: right;">E2</p>	<p>Reverse Trioptic On</p>  <p>M20120_01</p> <p style="text-align: right;">E3</p>	<p>Reverse Trioptic Off - Default</p>  <p>M20121_01</p> <p style="text-align: right;">E4</p>





















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<p>Keep Trioptic Start and Stop Delimiters</p>  <p>M20122_01</p> <p style="text-align: right;">A1</p>	<p>Remove Trioptic Start and Stop Delimiters - Default</p>  <p>M20123_01</p> <p style="text-align: right;">A2</p>	<p>Straight 2 of 5 Off - Default</p>  <p>M20108_01</p> <p style="text-align: right;">A3</p>	<p>Straight 2 of 5 On</p>  <p>M20107_01</p> <p style="text-align: right;">A4</p>
<p>UK Plessey On</p>  <p>M20287_01</p> <p style="text-align: right;">B1</p>	<p>UK Plessey Off - Default</p>  <p>M20288_01</p> <p style="text-align: right;">B2</p>	<p>UPC/EAN On - Default</p>  <p>M20126_01</p> <p style="text-align: right;">B3</p>	<p>UPC/EAN Off</p>  <p>M20127_01</p> <p style="text-align: right;">B4</p>
<p>UPC Supplemental On</p>  <p>M20128_01</p> <p style="text-align: right;">C1</p>	<p>UPC Supplemental Off - Default</p>  <p>M20129_01</p> <p style="text-align: right;">C2</p>	<p>UPC E Expansion On</p>  <p>M20132_01</p> <p style="text-align: right;">C3</p>	<p>UPC E Expansion Off - Default</p>  <p>M20133_01</p> <p style="text-align: right;">C4</p>
<p>Convert UPC-A to EAN-13</p>  <p>M20134_01</p> <p style="text-align: right;">D1</p>	<p>Do Not Convert UPC-A to EAN-13 - Default</p>  <p>M20135_01</p> <p style="text-align: right;">D2</p>	<p>Transmit UPC-A Check Digit</p>  <p>M20140_01</p> <p style="text-align: right;">D3</p>	<p>Do Not Transmit UPC-A Check Digit - Default</p>  <p>M20141_01</p> <p style="text-align: right;">D4</p>
<p>Transmit UPC-A Number System</p>  <p>M20142_01</p> <p style="text-align: right;">E1</p>	<p>Do Not Transmit UPC-A Number System - Default</p>  <p>M20143_01</p> <p style="text-align: right;">E2</p>	<p>Do Not Transmit UPC-E Check Digit - Default</p>  <p>M20145_01</p> <p style="text-align: right;">E3</p>	<p>Transmit UPC-E Number System</p>  <p>M20146_01</p> <p style="text-align: right;">E4</p>

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<p>Do Not Transmit UPC-E Number System - Default</p>  <p>M20147_01</p> <p style="text-align: right;">A1</p>	<p>Convert EAN-8 to EAN-13</p>  <p>M20130_01</p> <p style="text-align: right;">A2</p>	<p>Do Not Convert EAN-8 to EAN-13 - Default</p>  <p>M20131_01</p> <p style="text-align: right;">A3</p>	<p>Transmit UPC-E Check Digit</p>  <p>M20144_01</p> <p style="text-align: right;">A4</p>
<p>Convert Bookland EAN-13 to ISBN</p>  <p>M20136_01</p> <p style="text-align: right;">B1</p>	<p>Do Not Convert Bookland EAN-13 to ISBN - Default</p>  <p>M20137_01</p> <p style="text-align: right;">B2</p>	<p>Convert Bookland EAN-13 to ISSN</p>  <p>M20138_01</p> <p style="text-align: right;">B3</p>	<p>Do Not Convert Bookland EAN-13 to ISSN - Default</p>  <p>M20139_01</p> <p style="text-align: right;">B4</p>
<p>Transmit EAN-8 Check Digit</p>  <p>M20148_01</p> <p style="text-align: right;">C1</p>	<p>Do Not Transmit EAN-8 Check Digit - Default</p>  <p>M20149_01</p> <p style="text-align: right;">C2</p>	<p>Transmit EAN-13 Check Digit</p>  <p>M20150_01</p> <p style="text-align: right;">C3</p>	<p>Do Not Transmit EAN-13 Check Digit - Default</p>  <p>M20151_01</p> <p style="text-align: right;">C4</p>
<p>Enable GS1 DataBar Limited - Default</p>  <p>M20277_01</p> <p style="text-align: right;">D1</p>	<p>Disable GS1 DataBar Limited</p>  <p>M20278_01</p> <p style="text-align: right;">D2</p>	<p>Enable GS1 DataBar Expanded Stacked - Default</p>  <p>M20275_01</p> <p style="text-align: right;">D3</p>	<p>Disable GS1 DataBar Expanded Stacked</p>  <p>M20276_01</p> <p style="text-align: right;">D4</p>
<p>Enable GS1 DataBar Expanded - Default</p>  <p>M20273_01</p> <p style="text-align: right;">E1</p>	<p>Disable GS1 DataBar Expanded</p>  <p>M20274_01</p> <p style="text-align: right;">E2</p>	<p>Enable GS1 DataBar Stacked and GS1 DataBar Stacked Omnidirectional - Default</p>  <p>M20271_01</p> <p style="text-align: right;">E3</p>	<p>Disable GS1 DataBar Stacked and GS1 DataBar Stacked Omnidirectional</p>  <p>M20272_01</p> <p style="text-align: right;">E4</p>




















<p>BC412 On</p>  <p>M20006_01</p> <p style="text-align: right;">A1</p>	<p>BC412 Off - Default</p>  <p>M20007_01</p> <p style="text-align: right;">A2</p>	<p>Disable GS1 DataBar Omnidirectional and GS1 DataBar Truncated</p>  <p>M20268_01</p> <p style="text-align: right;">A3</p>	<p>Custom QR Code On</p>  <p>M20291_01</p> <p style="text-align: right;">A4</p>
<p>Custom QR Code Off - Default</p>  <p>M20292_01</p> <p style="text-align: right;">B1</p>	<p>Han Xin Normal and Inverse On</p>  <p>M20304_01</p> <p style="text-align: right;">B2</p>	<p>Aztec Mirror On</p>  <p>M20318_01</p> <p style="text-align: right;">B3</p>	<p>Aztec Mirror Off - Default</p>  <p>M20319_01</p> <p style="text-align: right;">B4</p>
<p>Code 39 Extended Full ASCII Off - Default</p>  <p>M20320_02</p> <p style="text-align: right;">C1</p>	<p>Code 39 Extended Full ASCII On</p>  <p>M20321_02</p> <p style="text-align: right;">C2</p>	<p>Keyboard Language Settings</p>	<p>Set Portuguese for Windows as active language</p>  <p>M20364_01</p> <p style="text-align: right;">C4</p>
<p>Set Italian for Windows as active language</p>  <p>M20363_01</p> <p style="text-align: right;">D1</p>	<p>Keyboard Support: Simplified Chinese Keyboard Mapping for Windows</p>  <p>M20362_01</p> <p style="text-align: right;">D2</p>		<p>List Installed Languages</p>  <p>M20180_01</p> <p style="text-align: right;">D3</p>
<p>Keyboard Support: US English Keyboard Mapping for Windows - Default</p>  <p>M20182_01</p> <p style="text-align: right;">E1</p>	<p>Keyboard Support: English Keyboard Mapping for Apple</p>  <p>M20184_01</p> <p style="text-align: right;">E2</p>	<p>Keyboard Support: French-Belgian Keyboard Mapping for Windows</p>  <p>M20181_01</p> <p style="text-align: right;">E3</p>	<p>Keyboard Support: French Keyboard Mapping for Windows</p>  <p>M20185_01</p> <p style="text-align: right;">E4</p>

<p>Keyboard Support: French Keyboard Mapping for Apple</p>  <p>M20186_01</p> <p style="text-align: right;">A1</p>	<p>Keyboard Support: German Keyboard Mapping for Apple</p>  <p>M20187_01</p> <p style="text-align: right;">A2</p>	<p>Keyboard Support: German Keyboard Mapping for Windows</p>  <p>M20188_01</p> <p style="text-align: right;">A3</p>	<p>Keyboard Support: German-Swiss Keyboard Mapping for Apple</p>  <p>M20189_01</p> <p style="text-align: right;">A4</p>
<p>Keyboard Support: German-Swiss Keyboard Mapping for Windows</p>  <p>M20190_01</p> <p style="text-align: right;">B1</p>	<p>Keyboard Support: Italian Keyboard Mapping for Apple</p>  <p>M20191_01</p> <p style="text-align: right;">B2</p>	<p>Keyboard Support: Japanese Keyboard Mapping for Windows</p>  <p>M20192_01</p> <p style="text-align: right;">B3</p>	<p>Keyboard Support: Russian Keyboard Mapping for Windows</p>  <p>M20194_01</p> <p style="text-align: right;">B4</p>
<p>Keyboard Support: Spanish-Latin American Keyboard Mapping for Windows</p>  <p>M20193_01</p> <p style="text-align: right;">C1</p>	<p>Keyboard Support: Spanish Keyboard Mapping for Windows</p>  <p>M20195_01</p> <p style="text-align: right;">C2</p>	<p>Keyboard Support: Spanish Keyboard Mapping for Apple</p>  <p>M20196_01</p> <p style="text-align: right;">C3</p>	<p>Keyboard Support: UK English Keyboard Mapping for Windows</p>  <p>M20197_01</p> <p style="text-align: right;">C4</p>
<p>Keyboard Support: US International (Universal) Keyboard Mapping for Windows</p>  <p>M20198_01</p> <p style="text-align: right;">D1</p>	<p>Data Encoding: Raw ASCII to Keyboard XML File Lookup - Default</p>  <p>M20203_01</p> <p style="text-align: right;">D2</p>	<p>Data Encoding: UTF8 to Unicode Codepoint - Alt Sequences for Windows</p>  <p>M20204_01</p> <p style="text-align: right;">D3</p>	<p>Data Encoding: ASCII to Unicode Codepoint - Alt Sequences for Windows</p>  <p>M20205_01</p> <p style="text-align: right;">D4</p>
<p>Control Character Input - Language Default - Default - Default</p>  <p>M20350_01</p> <p style="text-align: right;">E1</p>	<p>Control Character Input - Ctrl + Character</p>  <p>M20351_01</p> <p style="text-align: right;">E2</p>	<p>Control Character Input - Alt + Keypad</p>  <p>M20352_01</p> <p style="text-align: right;">E3</p>	<p>Control Character Input -Alt + Leading Zero</p>  <p>M20353_01</p> <p style="text-align: right;">E4</p>

Operating System Settings	Alternate Operating System (Linux/Mac) On  M20305_01 A2	Alternate Operating System (Linux/Mac) Off - Default  M20306_01 A3	Intentionally Blank A4	
	Set reader into USB Full Speed mode  M20399_01 B2	Set reader into USB High Speed mode - Default  M20400_01 B3	USB HID Vendor Mode  M20177_01 B4	
USB Settings	USB Keyboard Mode - Default  M20178_01 C1	Enable HID POS Mode  M20225_01 C2	Enable CDC VCOM Mode  M20226_01 C3	Enable USB VCOM mode  M20250_01 C4
Enable USB OPOS/JPOS Mode - Default  M20307_01 D1	USB Virtual COM Multiple Ports  M20346_01 D2	USB Virtual COM Common Ports  M20347_01 D3	Intentionally Blank D4	
RS232 Settings	Reset to RS232 Factory Defaults  M20112_01 E2	RS232 Interface - 1200 Baud Rate  M20160_01 E3	RS232 Interface - 2400 Baud Rate  M20161_01 E4	

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<p>RS232 Interface - 4800 Baud Rate</p>  <p>M20162_01</p> <p style="text-align: right;">A1</p>	<p>RS232 Interface - 9600 Baud Rate</p>  <p>M20163_01</p> <p style="text-align: right;">A2</p>	<p>RS232 Interface - 19200 Baud Rate</p>  <p>M20164_01</p> <p style="text-align: right;">A3</p>	<p>RS232 Interface - 38400 Baud Rate</p>  <p>M20165_01</p> <p style="text-align: right;">A4</p>
<p>RS232 Interface - 57600 Baud Rate</p>  <p>M20166_01</p> <p style="text-align: right;">B1</p>	<p>RS232 Interface - 115200 Baud Rate - Default</p>  <p>M20167_01</p> <p style="text-align: right;">B2</p>	<p>RS232 Interface - 7 Data Bits</p>  <p>M20168_01</p> <p style="text-align: right;">B3</p>	<p>RS232 Interface - 8 Data Bits - Default</p>  <p>M20169_01</p> <p style="text-align: right;">B4</p>
<p>RS232 Interface - 1 Stop Bit - Default</p>  <p>M20170_01</p> <p style="text-align: right;">C1</p>	<p>RS232 Interface - 2 Stop Bits</p>  <p>M20171_01</p> <p style="text-align: right;">C2</p>	<p>RS232 Interface - Even Parity</p>  <p>M20172_01</p> <p style="text-align: right;">C3</p>	<p>RS232 Interface - No Parity</p>  <p>M20173_01</p> <p style="text-align: right;">C4</p>
<p>RS232 Interface - Odd Parity</p>  <p>M20174_01</p> <p style="text-align: right;">D1</p>	<p>RS232 Interface Flow Control On</p>  <p>M20175_01</p> <p style="text-align: right;">D2</p>	<p>RS232 Interface Flow Control Off - Default</p>  <p>M20176_01</p> <p style="text-align: right;">D3</p>	<p>Enable RS-232 Serial mode - Default</p>  <p>M20251_01</p> <p style="text-align: right;">D4</p>
<p>Enable Serial, Raw, and Echo Communications</p>  <p>M20115_01</p> <p style="text-align: right;">E1</p>	<p>Enable RS232 OPOS/IPOS Mode - Default</p>  <p>M20308_01</p> <p style="text-align: right;">E2</p>	<p>Enable RS232 Interface Flow Control - One-Way</p>  <p>M20309_01</p> <p style="text-align: right;">E3</p>	<p>Intentionally Blank</p> <p style="text-align: right;">E4</p>

Communication Mode Settings	Enable IBM surePOS mode  M20429_01 A2	Enable Packet Mode  M20238_01 A3	Enable Raw Mode - Default  M20239_01 A4
	Scan Delay Settings	Disable Duplicate Scan Delay - Default  M20229_01 B2	1 Second Duplicate Scan Delay  M20230_01 B3
3 Second Duplicate Scan Delay  M20232_01 C1	5 Second Duplicate Scan Delay  M20233_01 C2	10 Second Duplicate Scan Delay  M20234_01 C3	30 Second Duplicate Scan Delay  M20235_01 C4
1 Hour Duplicate Scan Delay  M20236_01 D1	1 Day Duplicate Scan Delay  M20237_01 D2	Miscellaneous Settings	
Disable Upload Image Mode - Default  M20243_01 E1	Get Reader Parameters		Enable Upload Image Mode  M20242_01 D4
		Output Reader Configuration  M20113_01 E3	Get Reader Parameters  M20114_01 E4

Reset, Clear and Save Reader Settings	Reset to Factory Defaults  M20111_01 A2	Save All Reader Settings  M20335_01 A3	Reboot Reader  M20345_01 A4
	Enable Gilbarco  M20310_02 B2	Disable Gilbarco - Default  M20311_02 B3	Enable NCR  M20312_01 B4
Disable NCR - Default  M20313_01 C1	Enable NCR2  M20314_01 C2	Disable NCR2 - Default  M20315_01 C3	Disable WINCNIX - Default  M20316_01 C4
Enable WINCNIX  M20317_01 D1	Enable ISO15434 Validation	Enable UDI/HIBC Validation  M20256_02 D3	Enable ISO15434 Validation  M20257_02 D4
Enable ISO15434 & ISO15418 Validation  M20258_02 E1	Intentionally Blank E2	Intentionally Blank E3	Intentionally Blank E4