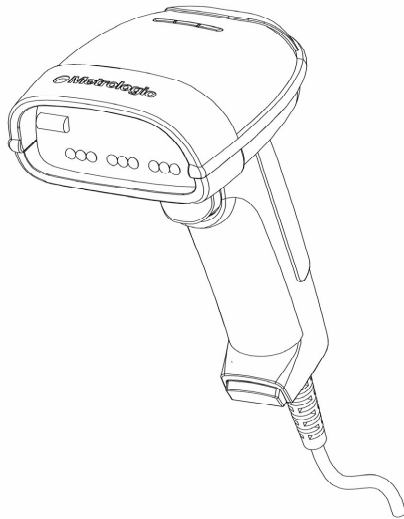




METROLOGIC INSTRUMENTS, INC.

MS1690 Focus™

Area Imaging Bar Code Scanner
Supplemental Configuration Guide



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Presentation and Trigger Modes

The MS1690 has four configurable modes for scanning: the presentation mode, the multi-try trigger Mode, the continuous trigger mode and the single-trigger mode. These modes can be configured separately for in-stand and out-of-stand scanner operation.

Presentation Mode
Out-of-Stand



* Presentation Mode
In-Stand



* Multi-Try Trigger Mode
Out-of-Stand



Multi-Try Trigger Mode
In-Stand



Continuous Trigger Mode
Out-of-Stand



Continuous Trigger Mode
In-Stand



* *Factory Default Configuration*

Presentation and Trigger Modes

Single Trigger Mode
Out-of-Stand



Single Trigger Mode
In-Stand



Set In-Stand Mode to Match
Out-of Stand Mode



** Factory Default Configuration*

SCANNER OPERATION

Omnidirectional and/or Linear Scanner Modes

The MS1690 can be configured to operate as an omnidirectional scanner, or a linear scanner, or a combination of both. The scanner can be configured to these modes separately for trigger and presentation operations.

When configured to operate as an omnidirectional scanner, all 1D and 2D barcodes are scanned omnidirectionally (except Code 128 scanner configuration labels, which have to be linearly aligned for successful scanning).

When configured to operate as a linear scanner, the 1D barcodes have to be linearly aligned for successful scanning while the 2D barcodes cannot be scanned.

When configured to operate as both the linear and omnidirectional scanner, the 1D barcodes have to be linearly aligned for successful scanning while the 2D barcodes are scanned omnidirectionally.

By default, the scanner is configured to omnidirectional scanning for trigger and presentation operations.

Enable Linear Only
in Trigger Operations



Disable Linear Only
in Trigger Operations



Enable 1D Linear Only
in Trigger Operations



Disable 1D Linear Only
in Trigger Operations



SCANNER OPERATION

Omnidirectional and/or Linear Scanner Modes

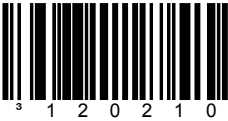
Enable Linear Only
in Presentation Operations



Disable Linear Only
in Presentation Operations



Enable 1D Linear Only
in Presentation Operations



Disable 1D Linear Only
in Presentation Operations



SCANNER OPERATION

Linear Illumination Aiming

The MS1690 can be configured to use the linear illumination as an aiming means, separately for trigger and presentation operations.

* Enable Aiming in Trigger Operations



Disable Aiming in Trigger Operations



Enable Aiming in Presentation Operations



* Disable Aiming in Presentation Operations



Data Output

The MS1690 can be configured to have the data output disabled.

* Enable Data Output



Disable Data Output



* *Factory Default Configuration*

Same Symbol Timeouts

Retain Same Symbol
Timeout on Trigger



The same-symbol
timeout is not
restarted when the
trigger is pulled.

* Reset Same Symbol
Timeout on Trigger



The same-symbol
timeout is restarted
when the trigger is
pulled.

** Factory Default Configuration*

CODE TYPES AND DECODE RULES

Data Matrix

Enable Normal
Color Data Matrix Decoding



Enable Inverse
Color Data Matrix Decoding



Enable Normal **and** Inverse
Color Data Matrix Decoding



* Disable
Data Matrix Decoder



Enable Rectangular
Data Matrix Symbol
Decoding



* Disable Rectangular
Data Matrix Symbol
Decoding



* *Factory Default Configuration*

CODE TYPES AND DECODE RULES

QR Code

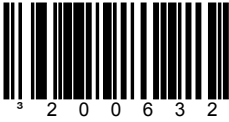
Enable Normal
Video QR Code



Enable Inverse
Video QR Code



Enable Normal **and** Inverse
QR Code

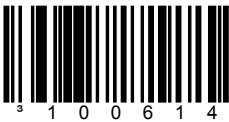


* Disable QR Code



MaxiCode

Enable MaxiCode



* Disable MaxiCode



* *Factory Default Configuration*

CODE TYPES AND DECODE RULES

Aztec

Enable Normal
Video Aztec Decoding



* Disable Normal
Video Aztec Decoding



Enable Inverse
Video Aztec Decoding



* Disable Inverse
Video Aztec Decoding



Postal

Enable
Australia Post



* Disable
Australia Post



** Factory Default Configuration*

CODE TYPES AND DECODE RULES

Postal

Enable Japan Post



* Disable Japan Post



Enable KIX Code



* Disable KIX Code



Enable
PLANET Code



* Disable
PLANET Code



** Factory Default Configuration*

CODE TYPES AND DECODE RULES

Postal

Enable
POSTNET Code



* Disable
POSTNET Post



Enable B & B'
Fielded POSTNET



* Disable B & B'
Fielded POSTNET



Enable
UPU Decoding



* Disable
UPU Decoding



** Factory Default Configuration*

CODE TYPES AND DECODE RULES

Postal

Enable
Royal Mail 4 Code



* Disable
Royal Mail 4 Code



** Factory Default Configuration*

Software Handshaking

Enable
JV Handshaking



Disable
JV Handshaking



An "JV" response from the host indicates reception of scanner data.

Additional Interfaces

Enable Beeper
ON/OFF Commands



Enables beeper on/off commands with internal USB and IBM interfaces.

* Disable Beeper
ON/OFF Commands



3rd Generation
IBM 46xx Defaults



For this feature to function properly, scan IBM Reserved Code #2 after scanning the 3rd Generation IBM 46xx Default bar code.

IBM Reserved Code #2



Scan IBM Reserve bar code above after scanning the 3rd Generation IBM 46xx Default bar code.

Additional Interfaces

IBM 46xx-SIOC RS485 Interface

Send 30H for Last Block
Label Identifier 4680



For PDF
codes only.

* Send 00 for Last Block
Label Identifier 4680



For PDF
codes only.

IBM-OEM USB Interface

Send 30H for Last Block
Label Identifier USB



For PDF
codes only.

* Send 00 for Last Block
Label Identifier USB



For PDF
codes only.

INTERFACES

Additional Interfaces

Full Speed USB
Keyboard Interface



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