2D HANDHELD BARCODE SCANNER

Quick Guide

2D HANDHELD BARCODE SCANNER QUICK GUIDE (Rev3)
P/N: 8013-00700X0

FCC WARNING STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

CANADIAN DOC STATEMENT

This digital apparatus does not exceed the Class B limits for radio noise for digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.
Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de las classe B prescrites dans le Réglement sur le brouillage radioélectrique édicté par les ministère des Communications du Canada.

CE MARKING AND EUROPEAN UNION COMPLIANCE

Testing for compliance to CE requirements was performed by an independent laboratory. The unit under test was found compliant with all the applicable Directives, 2004/108/EC and 2006/95/EC.

WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

The WEEE directive places an obligation on all EU-based manufacturers and importers to take-back electronic products at the end of their useful life.

ROHS STATEMENT OF COMPLIANCE

This product is compliant to Directive 2002/95/EC.

NON-MODIFICATION STATEMENT

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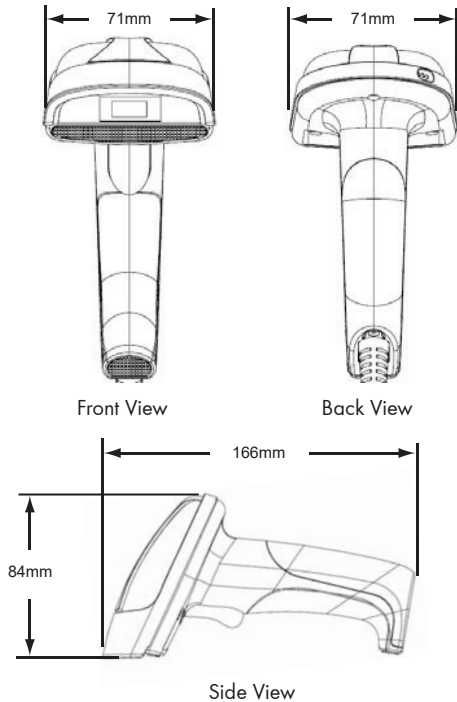
WARNING AND CAUTION

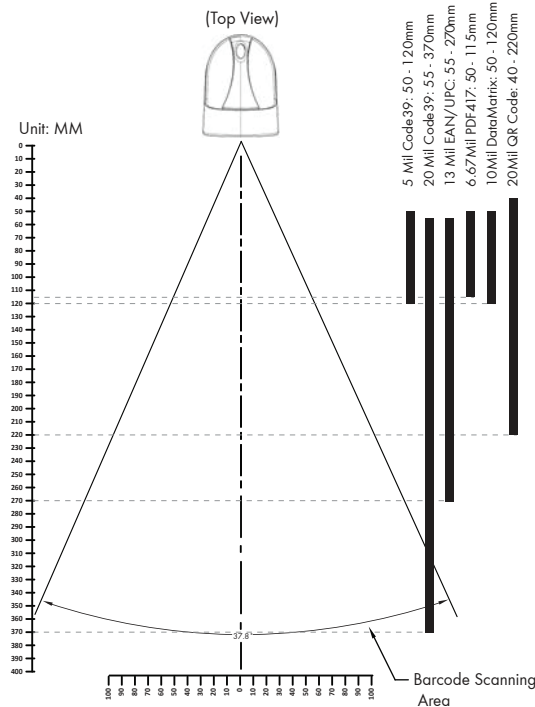|	
🚫	1. Take any metals into contact with the terminals in connectors. 2. Use the scanner where any inflammable gases.
❗	If following condition occur, immediately power off the host computer, disconnect the interface cable, and contact your nearest dealer. 1. Smoke, abnormal odors or noises come from the scanner. 2. Drop the scanner so as to affect the operation or damage its housing.
🚫 Do Not	Do not do behavior below. 1. Put the scanner in places excessively high temperatures such as expose under direct sunlight. 2. Use the scanner in extremely humid area or drastic temperature changes. 3. Place the scanner in oily smoke or steam environment such as cooking range. 4. Be covered or wrapped up the scanner in bad-ventilated area such as under cloth or blanket. 5. Insert or drop foreign materials or water into scanning window or vents. 6. Using the scanner while hand is wet or damp. 7. Use the scanner with anti-slip gloves containing plasticizer and chemicals or organic solvents such as benzene, thinner, insecticide etc to clean the housing. Otherwise, it could not result fire and electrical shock but housing may be broken and injured. 8. Scratch or modify the scanner and bend, twist, pull or heat its interface cable. 9. Put heavy objects on interface cable. Do not stare the light source from the scanning window or do not point the scanning window at other people's eyes or eyesight may be damaged by direct exposure under the light.
🚫	Do not put the scanner on an unstable or inclined plane. The scanner may drop, creating injuries.
❗	Once the interface cable is damaged such as exposed or broken copper wires, stop using immediately and contact your dealer. Otherwise, it could result fire or electrical shock.

CE FC RoHS

SPECIFICATIONS

Light source	5000K CCT White LED
Aimer	640nm Visible Red LED
Scan rate	30 frames/sec
Resolution	5mil (1D), 6.67Mil (2D)
PCS	30%
Width of Field	116mm (13Mil Code39)
Depth of Field (Guaranteed)	5 Mil Code39: 50 - 120mm
	20 Mil Code39: 55 - 370mm
	13 Mil UPC/EAN: 55 - 270mm
	6.67 Mil PDF417: 50 - 115mm
	10 Mil DataMatrix: 50 - 120mm
	20 Mil QR Code: 40 - 220mm
Dimension	W71 x L166 x H84 mm
Housing	ABS
Weight	172g
Cable Length	210cm/82.7in (Fixed Cable)
Interface	USB HID / USB VCP
Voltage	5VDC±5%
Working Current	< 210mA
Standby Current	< 85mA
Operating Temp.	0 to 40°C (32°F to 104°F)
Storage Temp.	-20 to 65°C (-4°F to 149°F)
Ambient Light	100,000 lux
Drop Durability	1.5M
Symbologies	All major 1D, 2D and postal codes

DIMENSIONS

71mm

Front View

71mm

Back View

166mm

84mm

Side View

SCANNING RANGE

(Top View)

Unit: MM

5 Mil Code39: 50 - 120mm
20 Mil Code39: 55 - 370mm
13 Mil EAN/UPC: 55 - 270mm
6.67Mil PDF417: 50 - 115mm
10Mil DataMatrix: 50 - 120mm
20Mil QR Code: 40 - 220mm

Barcode Scanning Area

BEEPER INDICATION

Single Long Beep	Power up
Single Short Beep	Good read
Two beeps	Successful setup

LED INDICATION

Off	Standby or No power
Blue	Power up or Good read

GETTING STARTED

1. The scanner works like an USB keyboard. Make sure your host device supports USB keyboard before use.

2. Plug the scanner to the USB port of your host device. The scanner will emit one long beep at power-up.

3. The OS will automatically intall USB driver for the scanner if it is connected to your host device for the first time. Wait until the installation finishes.

4. Open Notepad or any application that can accept keyboard input. Try scanning some random barcodes and the barcode data will be displayed.

GENERAL SETTINGS

DEFAULT

. A001$

CHECK VERSION

. A007$

RESET / ABORT

. P023$

READING MODE

.F002$
TRIGGER MODE

* The LED will turn on when the trigger is pressed.
* The LED will turn off when trigger is released.

.F060$
MOBILE PHONE MODE

* The LED will turn on when the trigger is pressed.
* The LED will turn off when trigger is released.
* Optimized to read barcodes from mobile phone or other LED displays.

.F007$
AUTO SENSING MODE

* Auto-Sensing Mode uses ambient light to detect barcodes. The LED dims until a barcode is presented to the scanner, then the LED brightens to read the code.
* If the ambient light condition is poor, the scanner might not be working properly.
* By default, the scanner will simply operate like Trigger Mode which requires manual trigger. To enable auto-sensing, place the scanner on an Auto Hands-free Stand or disable Magnetic Switch by scanning below configuration barcodes.

MAGNETIC SWITCH

.F034$
ON

.F035$
OFF

INVERSE VIDEO

.D022$
ENABLE INVERSE BARCODE

.D021$
DISABLE INVERSE BARCODE

VIBRATOR

.D034$
ON

.D035$
OFF

BEEP TONE

.F019$
BEEP HIGH

.F018$
BEEP MEDIUM

.F022$
BEEP LOW

.F012$
BEEP OFF

ENABLE SYMBOLOGIES

* Below symbologies are disabled by default. To enable, scan below configuration barcode.

.A002$
ENABLE ALL CODE

.K010$
CODE 32

.M010$
MATRIX 2 OF 5

.N001$
INDUSTRIAL 2 OF 5

.I010$
CODE 11

.N017$
IATA

.G039$
MICROPDF417

.K001$
CHINA POST

.G059$
CHINESE SENSIBLE CODE (HAN XIN)

.K018$
KOREA POST

.G047$
CODABLOCK A

.G051$
CODABLOCK F

TERMINATOR

.D010$
NONE

.D013$
CR+LF

.D011$
LF

.D014$
TAB

.D012$
CR

.D015$
SPACE

.D016$
ESC

DISABLE SYMBOLOGIES

* Below symbologies are enabled by default. To disable, scan below configuration barcode.

.A003$
DISABLE ALL CODE

.H002$
UPC-A

.H020$
EAN-8

.H008$
UPC-E

.H014$
EAN-13

.J002$
INTERLEAVED 2 OF 5

.J011$
CODE 128

.I002$
CODABAR

.M002$
GS1-128

.G011$
CODE 93

.L002$
MSI

.G009$
CODE 39

.G002$
FULL ASCII CODE39

.J034$
NEC 2 OF 5

.N033$
GS1 DATABAR OMNIDIRECTIONAL

.N011$
GS1 DATABAR LIMITED

.N027$
GS1 DATABAR EXPANDED

.G022$
PDF417

.G032$
DATA MATRIX

.G026$
(MICRO) QR CODE

.G044$
MAXICODE

.G056$
AZTEC

KEYBOARD LAYOUT

.C010$
ENGLISH (USA)

.C009$
JAPAN (106 key)

.C018$
ENGLISH (UK)

.C025$
CANADIAN (FRENCH)

.C012$
FRENCH

.C034$
CANADIAN (TRADITIONAL)

.C011$
GERMAN

.C029$
NORWEGIAN

.C014$
ITALIAN

.C026$
SWEDISH

.C013$
SPANISH

.C031$
PORTUGUESE

.C017$
CZECH (QWERTY)

.C030$
BELGIAN (AZERTY)

.C022$
CZECH (QWERTZ)

.C028$
DUTCH

.C021$
HUNGARIAN (QWERTZ)

.C027$
DANISH

.C024$
HUNGARIAN (101 KEY)

.C032$
SLOVAK

.C016$
SWISS (GERMAN)

.C033$
BRAZILIAN (PORTUGUESE)

.C023$
SWISS (FRENCH)

.C015$
ALT CODE