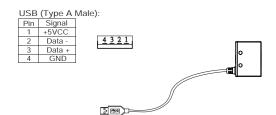
2D FIXED BARCODE SCANNER Quick Guide



2D Fixed Barcode Scanner Quick Guide (Rev1) P/N: 8013-0055000

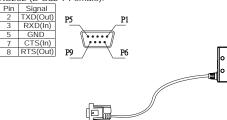
STEP1 - CHECK HARDWARE

USB Hardware





RS232 (D-Sub 9 Female): Pin Signal



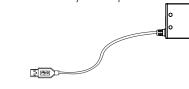
SPECIFICATIONS

Light source	625nm visible red LED
Scan rate	200 scans/sec
Sensor	752×480 CMOS sensor
Resolution	5mil/ 0.127mm
PCS	30%
Width of Field	100mm (13Mil Code39)
Depth of Field	5 Mil Code39: Readable
	10 Mil Code39: 50 - 150mm
	15 Mil Code39: 50 - 200mm
	13 Mil UPC/EAN: 55 - 180mm
	20 Mil QR Code: 50 - 200mm
Dimension	W56 x L41 x H20 mm
Housing	ABS (Housing), PC (Back Cover)
Weight	120g ± 10g
Cable Length	90cm/35.4in (Fixed Cable)
Interface	RS232, USB HID
Voltage	5VDC±5%
Working Current	< 350mA
Standby Current	< 50mA
Operating Temp.	-10 to 55°C (14°F to 131°F)
Storage Temp.	-20 to 65°C (-4°F to 149°F)
Ambient Light	100,000 lux
Drop Durability	1.5M
Sealing	IP55
Symbologies	QR Code, DataMatrix, PDF417 and all
	major 1D barcodes

STEP2 - CONNECT TO HOST

USB Connection

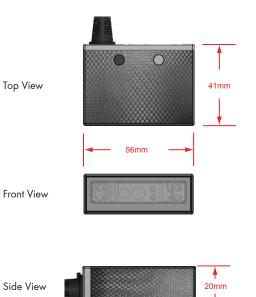
- 1. Connect the scanner to the host.
- 2. The scanner is powered by the USB connection.
- 3. Data will be sent as HID keyboard input.



RS232 Connection

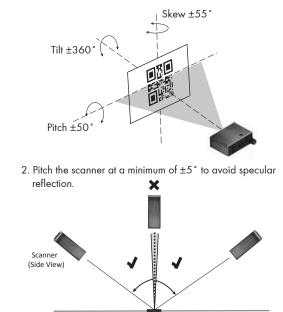
- 1. Connect the scanner to the host.
- 2. Connect a power adapter(sold separately) to the RS232 connector's DC Jack as external power supply.
- 3. Data will be sent serially over RS232, with communication settings of 9600-8-N-1





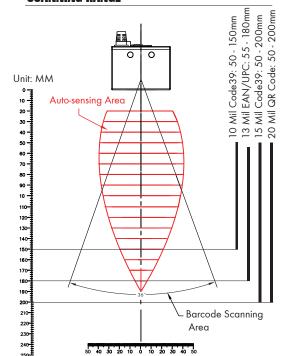
STEP3 - POSITION SCANNER

1. Maximum Scan Angle: Skew ±55°, Pitch ±55°, Tilt ±360°



Barcode

SCANNING RANGE



STEP4 - INSTALL SOFTWARE UTILITY

Based on different hardware & configuration method, there are 2 types of software utility:

1. EZU Software - works with USB interface scanner and supports configuration barcodes

2. BEO Software - works with RS232 interface scanner and supports command operation

Both are available for download from below link:

/	 	
1		
1		
1		
I.		
1		
1		
I.		
1		1
I.		i
1		1
I.		1
I.		1
1		1
I.		1
I.		1
`		/

EZU SOFTWARE CONFIGURATION (USB)

STEP5 - CONNECT

- Right-click on the *icon* on the desktop and tick "Run this program as an administrator" in the pop-up menu.
- 2. Double-click non the desktop to launch the program.
- In Communication Setting window, select "Fixed" as genre and "USB" as interface. Click [Save Home(H)] to continue.

Communication Setti	ng		×
Save Home (H)	Fixed	-	
USB	•	Time out	3

STEP6 - CONFIGURE THE SCANNER

- Click on icon on the toolbar to retrieve scanner's parameters.
- 2. Double-click on the items you want to edit and then press [Enter] to save changes.

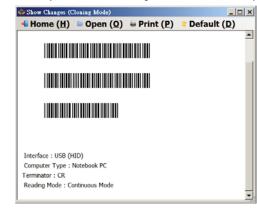
👐 Ounty (New)		
© System (S) 00	peration (O) 🖾 View	(¥) × Tools (I) Fixed
じ 📓 😍 📖 📼 🖿	≞⊖ ຊ 🛊 🕴 🎞 🦳	
General Settings	Property	Parameter
Reading Opteration Others	Interface	USB (HID)
⊕- [*] Symbologies	Computer Type	Notebook PC
B- Data Editing	Keyboard Layout	English (USA)
	Capital Lock Mode	Off
	Numeric Keypad Output	Off
When Capital Lock Mode is set to Auto, whether	Function Code	On
the keyboard CapsLock LED indicator is ON or OFF, output will be always the same as the original data of a barcode.	HT/CR/ESC -> TAB/Enter/	Off
	Terminator	CR
	Interblock Delay	0 ms
	Intercharacter Delay	140 us

3. Click on 😨 icon on the toolbar to update scanner's parameters.

 Click on icon on the toolbar if you want to save current configurations for later use.

ADVANCED - CONFIGURATION BARCODES

- 1. Click on **iiiii** icon on the toolbar to generate configuration barcodes.
- 2. Scanning the configuration barcodes from top to bottom allows you to clone the settings to other scanners easily.



BEO SOFTWARE CONFIGURATION (RS232)



1. Right-click on the stop and tick "Run this program as an administrator" in the pop-up

menu. 2. Double-click program. icon on the desktop to launch the

 Click on a icon on the toolbar, set 9600-8-N-1 and COM1 as communication settings. Click [Save Home(H)] to continue.

Communication setting Save-Home (<u>H</u>)	×
RS-232	COM1
9600 💌	None
8 Bits 💌	1 Bit(One)
Auto Detection	Time out 35

STEP6 - CONFIGURE THE SCANNER

ADEO

- Click on sicon on the toolbar to retrieve scanner's parameters.
- 2. Double-click on the items you want to edit and then press [Enter] to save changes.

🔜 💐 🗮 🔛 🛏 🛃 🦽	🖉 🚰 🛸 📥	Parameter
Scan Application General Setting Setting Advanced Item Code 39 (Code 32) Codabar	Code ID type	Disable Code ID
	Send Data Length	Off
	Label Type	Positive
	Interblock Delay	0 ms
	Intercharacter Delay	140 us
Status of negative label decoding capability. only supported by certain	Accuracy Adjustment	0
	Preamble	Disable
nodels.	Postamble	Disable
For more information, please refer to Help file (F1).	Terminator	{CR}{LF}

3. Click on 💽 icon on the toolbar to update scanner's parameters.

4. Click on icon on the toolbar if you want to save current configurations for later use.

ADVANCED - COMMAND OPERATION

- 1. Press [F1] in the program to access help file.
- Under Test Window > Command Operation chapter is full list of commands allowing you to control the scanner by command strings.
- 3. For example, if you want to configure the scanner to Serial Trigger Mode (i.e. a reading mode that enables the scanner to be triggered by software command), simply send below command string in ASCII to the host:

{MC01WT6}

- The scanner will enter Serial Trigger Mode, in which the scanner can be triggered by sending below ASCII command string:
- {} <-- curly brackets with a space in between</pre>
- 6. The scanner will begin to scan barcode.

*Note: serial trigger characters "{ }" are configurable.