



1D Fixed barcode Scanner Quick Guide Model: AS601U

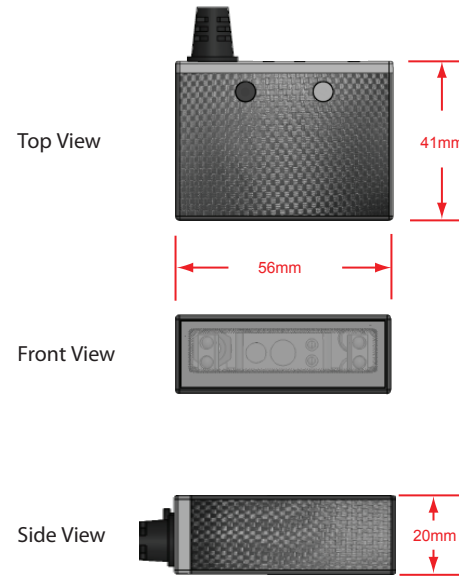


1D Fixed Barcode Scanner Quick Guide (Rev 1)

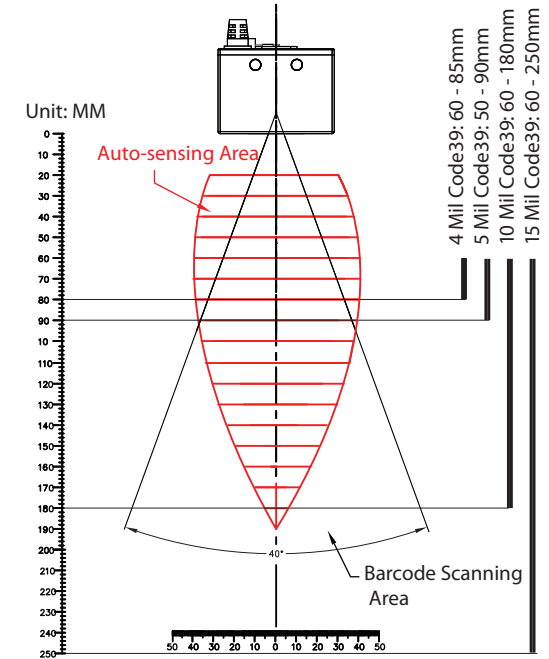
SPECIFICATIONS

Light source	525nm visible green LED 635nm visible red LED
Scan rate	200 scans/sec
Sensor	2500 pixels CCD sensor
Resolution	4mil/ 0.1mm
PCS	30%
Width of Field	140mm (13Mil Code39)
Depth of Field	4 Mil Code39: 60 - 85mm
	5 Mil Code39: 50 - 90mm
	10 Mil Code39: 60 - 180mm
	15 Mil Code39: 60 - 250mm
	13 Mil UPC/EAN: 60 - 180mm
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	< 200mA
Standby Current	< 140mA
Operating Temp.	-10 to 55°C (14°F to 131°F)
Storage Temp.	-20 to 65°C (-4°F to 149°F)
Ambient Light	70,000 lux
Drop Durability	1.5M
Sealing	IP55
Symbologies	All major 1D barcodes incl. GS1 Databar

DIMENSION



SCANNING RANGE

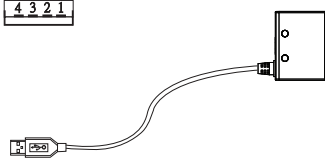


STEP1 - CHECK HARDWARE

USB Hardware

USB (Type A Male):

Pin	Signal
1	+5VCC
2	Data -
3	Data +
4	GND



STEP2 - CONNECT TO HOST

USB Connection

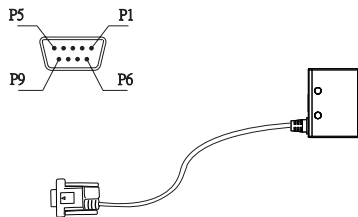
1. Connect the scanner to the host.
2. The scanner is powered by the USB connection.
3. Data will be sent as HID keyboard input.



RS232 Hardware

RS232 (D-Sub 9 Female):

Pin	Signal
2	TXD(Out)
3	RXD(In)
5	GND
7	CTS(In)
8	RTS(Out)



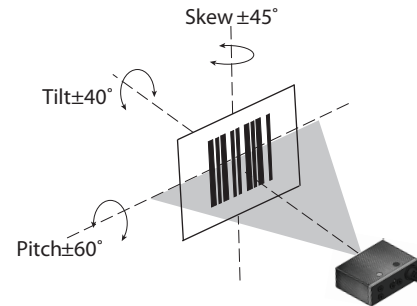
RS232 Connection

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

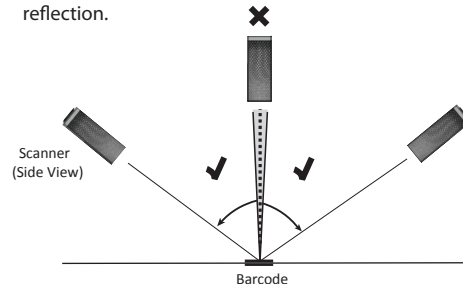


STEP3 - POSITION SCANNER

1. Maximum Scan Angle: Skew±45°, Pitch±60°, Tilt±40°



2. Pitch the scanner at a minimum of ±5° to avoid specular reflection.



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. **BE0** Software - works with RS232 interface scanner and supports command operation

Both are available for download from Arkscan Website:

<http://www.arkscan.com>



For technical support, please contact us by

Email: support@arkscan.com

Tel: 1-212-655-4423


EZU SOFTWARE CONFIGURATION (USB)

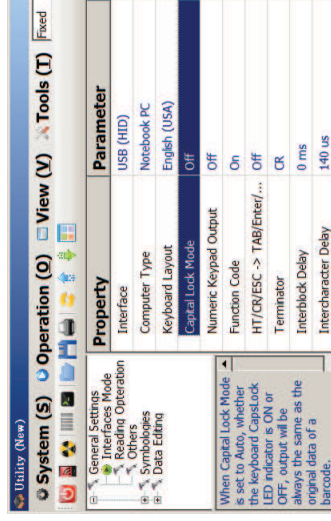
STEP5 - CONNECT



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




STEP6 - CONFIGURE THE SCANNER

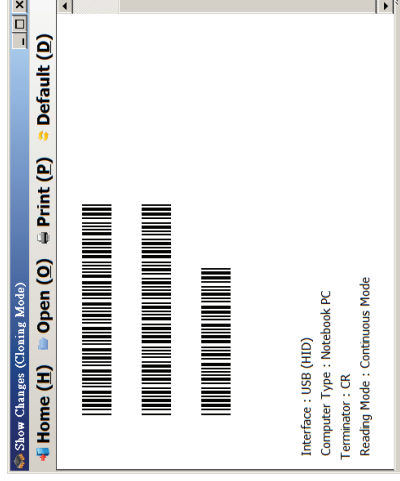
- Click on  icon on the toolbar to retrieve scanner's parameters.
- Double-click on the items you want to edit and then press [Enter] to save changes.



- 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

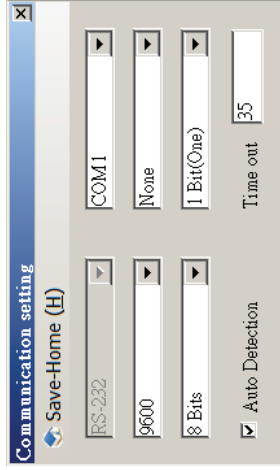
- Click on  icon on the toolbar to generate configuration barcodes.
- Scanning the configuration barcodes from top to bottom allows you to clone the settings to other scanners easily.




BEO SOFTWARE CONFIGURATION (RS232)

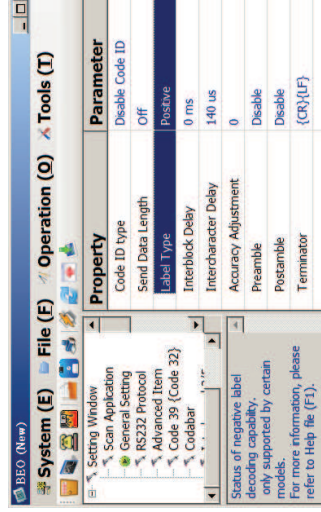
STEP5 - CONNECT



- Right-click on the  icon on the desktop and tick "Run this program as an administrator" in the pop-up menu.
- Double-click  icon on the desktop to launch the program.
- Click on  icon on the toolbar, set 9600-8-N-1 and COM1 as communication settings. Click [Save Home(H)] to continue.



STEP6 - CONFIGURE THE SCANNER

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



- 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 - COMMAND OPERATION

- 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.
- 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:
`{MC01W76}`
- 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
- The scanner will begin to scan barcode.

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