SEUIC
Reference Manual

HS325 Wireless Scanner

User’s Guide V1.0

SEUIC Technologies Co., Ltd.

Contents

About This Manual：

HS325 wireless scanners are factory programmed for the most common terminal and communications settings.You can change these settings in the following two ways：

1）By scanning menu barcodes

2）By sending serial commands to the scanner

3）An asterisk (*) next to an option indicates the default setting

Chapter 1 General Settings

1.1 Restore the Scanner and the Cradle factory default settings

（the USB keyboard interface (HID) is set by default.）

1.2 Restore the Scanner factory default settings

By pressing and holding the Trigger button to power on the scanner, and then press and hold the **Trigger button** for 30 seconds,you can also set the scanner to factory default values.

1.3 Restore the Cradle factory default settings

By pressing and holding the **Page button** for 60 seconds,you can also set the cradle to factory default values.

（the USB keyboard interface (HID) is set by default.）

1.4 Show Scanner serial number information

Scan this code to show the scanner serial number information.

1.5 Show Cradle serial number information

Scan this code to show the cradle serial number information.

1.6 Show Scanner Software Revision information

Scan the code below to output the current software revision of the scanner.

1.7 Show Cradle Software Revision information

Scan the code below to output the current software revision of the cradle.

1.8 Reset Cradle

1.9 Reset Scanner

1.10 Power Off

1.11 Show Remaining power

Chapter 2 Programming the Interface

2.1 *USB PC Keyboard（Default）

*USB Keyboard(PC)

Scan this code to program the scanner for USB Keyboard interface, and adds a suffix of a CR

2.2 USB COM Port Emulation

USB COM Port Emulation

Scan this code to program the scanner to regular RS232 based COM port. If you are using a Microsoft Windows PC, you will need to download a driver from Seuic

2.3 RS232 Serial Port Connection

RS232 Interface

All communication parameters between the scanner and terminal must match for correct data transfer through the serial port using RS-232 protocol. Scanning the RS-232 interface barcode programs the scanner for an RS-232 interface at 115200 baud, parity–none, 8 data bits, 1 stop bit, and adds a suffix of a CR

2.3.1 RS232 Baud Rate

Baud Rate sends the data from the scanner to the terminal at the specified rate. The host terminal must be set for the same baud rate as the scanner. Default = 115200

9600BAD

19200BAD

38400BAD

57600BAD

*115200BAD

2.3.2 RS232 Parity

Parity provides a means of checking character bit patterns for validity.


*Parity None


Parity Odd


Parity Even

2.3.3 RS232 Data Bits

Data Bits sets the word length at 7 or 8 bits of data per character. The host terminal must be set for the same baud rate as the scanner.


7 Data Bits


*8 Data Bits

Chapter 3 Transmission mode

3.1 *Synchronous mode（Default）

In Synchronous mode,the scanner attempts to transmit every scanned bar code immediately; transmissions are halted if the scanner is moved out of range,and the scanner emits 4 long low beeps.The Synchronous mode is set by default


*Synchronous mode（Default）

3.2 Asynchronous mode

In Asynchronous mode,the scanner attempts to transmit every scanned bar code immediately; the scanner starts storing bar code data when it loses its connection to the cradle.Data transmission is triggered by reestablishing the connection with the cradle.


Asynchronous mode

3.3 Batch mode

In Batch mode,the scanner stores every scanned bar code immediately; data transmission is triggered by scanning **Transmit Stored Data in Flash**(3.4) or by insertion of the scanner into the cradle.

.


Batch mode

3.4 Transmit Stored Data in Flash

In batch mode, scan this code after successful decoding, the scanner will automatically transmit the stored data in flash without losing data.

Transmit Stored Data in Flash

3.5 Clear Stored Data in Flash

In batch mode, scan this code after successful decoding, the scanner will clear the stored data in flash.

Clear Stored Data in Flash

Chapter 4 Scanner(s) To Cradle Support

4.1 *Point-to-Point（Default）

In Point-to-Point communication mode, the cradle allows one scanner to connect to it at a time。

*Point-to-Point

4.2 Multipoint-to-Point

Multipoint-to-Point communication mode allows up to four scanners to pair to one cradle.

Multipoint-to-Point

4.3 Lock Override

If you need to replace a broken or lost scanner that is linked to a cradle, scan the **Lock Override** code below with a new scanner and place that scanner in the cradle, or scan the **Pairing Barcode**. The locked link will be overridden; the broken or lost scanner's link with the cradle will be removed,and the new scanner will be linked.

Lock Override

4.4 Pairing

Pairing registers a wireless scanner to the cradle such that the wireless scanner and cradle can exchange information. The cradle operates in two modes: Point-to-Point and Multipoint-to-Point.

In Point-to-Point mode，you can pair a wireless scanner to the cradle in the following three ways:

A:Scan the pairing barcode，but the following two conditions must be met at the same time:

a:Neither the wireless scanner nor the cradle has pairing information

b:The pairing mode of the wireless scanner and the cradle are the same(both Point-to-Point mode or both Multipoint-to-Point)

B:Insert the wireless scanner in the cradle, but the following condition must be met:

a:Neither the wireless scanner nor the cradle has pairing information

C:Scan the “Override” barcode, and Insert the wireless scanner in the cradle:

a:Unconditional connection, the cradle pairing mode (Point-to-point/Multipoint-to-point) will also be set to be consistent with the wireless scanner

In Multipoint-to-point mode，you can pair the wireless scanners to the cradle in the following steps：

a:Scan **Lock Override** code in 4.3;

b:Scan **Multipoint-to-Point** code in 4.2;

c:Place the scanner in the cradle, or scan the **Pairing Barcode;**

d:Follow the steps a to c above to pair other scanners in turn

Note:Multipoint-to-Point communication mode allows up to four scanners to pair to one cradle

4.5 Connect/disconnect indication

A high beep followed by the blue LED of the cradle flashes once, and the blue LED of the wireless scanner stays on for 10 seconds indicates successful pairing. A high-high beep sequence indicates disconnection to cradle.

4.6 Unlinking the Scanner

The wireless scanner and the cradle are unbound, and the connection is disconnected.

A:In Point-to-Point mode, Scan the "Unlock Communication" barcode, and both the wireless scanner and the cradle will clear the pairing information at the same time.

B.In Multipoint-to-Point mode, Scan the "Unlock Communication" barcode, the wireless scanner only clears its own pairing information

Unlock Communication

4.7 Parameter Broadcast

When in multipoint-to-point mode, enable Parameter Broadcast to broadcast all parameter bar codes scanned to all other scanners.

*Disable Parameter Broadcast

Enable Parameter Broadcast

Chapter 5 Use the Scanner with Wireless Devices

5.1 *Cradle HID Mode（Default）

Scan this code to allow the scanner to be paired with the cradle,Cradle Mode is set by default.

*Cradle Mode

5.2 Scanner HID mode

Your scanner can be paired with wireless devices,such as personalcom-puters, laptops, and tablets, so that scanned data appears on your device screen as though it was entered on the keyboard.In order to pair with the device:

Scanner HID mode

5.3 Scanner HID Keyboard Disconnection

Scan this code to clear pairing info of Scanner HID Mode

Clear Pairing Info of Scanner HID Mode

5.4 Pairing

In Scanner HID mode,you can pair the wireless scanners to the Devices in the following steps:
A:The scanner is not paired:

1.Scan **Scanner HID mode** code in chapter 5.2;
2.Set your personal computer, laptop or tablet so it searches for other devices.(Refer to your device's User's Guide for pairing instructions);
3.Select the scanner name on your device and pair it.(the scanner name is the "HS220_SN",SN is the last six digits of the SN number)

B:The scanner is paired with a device,but you need to pair the scanner with another device:

1.Scan **Scanner HID mode** code in chapter 5.2
2.Scan **Clear Pairing Info of Scanner HID Mode** code in chapter 5.3
3..Set your personal computer, laptop or tablet so it searches for other devices.(Refer to your device's User's Guide for pairing instructions);
4..Select the scanner name on your device and pair it.(the scanner name is the "HS220_SN",SN is the last six digits of the SN number)

5.5 Scanner HID Transmission Speed

Scan the code below to set the Scanner HID transmission speed,High-speed transmission is 6ms,Medium-speed transmission is 8ms(default),Low-speed transmission is 16ms.


High-speed transmission


*Medium-speed transmission


Low-speed transmission


Show transfer speed

Chapter 6 Output Settings

6.1 Keyboard Conversion

Alphabetic keyboard characters can be forced to be all upper case or all lower case. So if you have the following barcode: "abc123DE", you can make the output "ABC123DE" by scanning **Convert All Characters to Upper Case**, or to "abc123de" by scanning **Convert All Characters to Lower Case**.
Note: Please make sure Caps Lock key is Off. If Caps Lock key is On, the output will be Reversed.
Regular is used when you normally have the Caps Lock key off, and the scanner has a Normal output.


* Regular


Reversed


Convert All Characters


Convert All Characters

To Upper Case

To Lower Case

6.2 Shift Lock

Shift Lock is used when you normally have the Shift Lock key on (not common to U.S. keyboards).

*Shift Lock Off

Shift Lock On

6.3 Control + ASCII Mode

The scanner sends key combinations for ASCII control characters for values 00-1F. Windows is the preferred mode. All keyboard country codes are supported.

* Control + ASCII Mode Off

Windows Mode Control + ASCII On

6.4 Show Decoding time

*Decoding time Off

Decoding time On

6.5 Scanner Power Time-Out Timer

When there is no activity within a specified time period, the scanner enters low power mode. Scan the appropriate scanner power time-out bar code to change the time-out duration (in seconds).

No time-out

*30s

120s

300s

6.6 Scanner Power Off Timer

No power off

*10min

30min

60min

6.7 QR code for translate to Chinese


*Export ASCII


Export word


Export TXT and Excel in Chinese

Chapter 7 Beeper and LED settings

7.1 Power On tone Control

When the scanner is powered on, the start sound can be set to on or off.


Power on tone off


* Power on tone On

7.2 Beeper – Good Read

The beeper may be programmed On or Off in response to a good read. Turning this option off, only turns off the beeper response to a good read indication.


Good read beep Off


*Good read beep On

7.3 Beeper Duration – Good Read

The beeper duration codes modify the length of the beep the scanner emits on a good read. Default = Normal


*Normal


long


short

7.4 Beeper Volume – Good Read

The beeper volume codes modify the volume of the beep the scanner emits on a good read. Default = High


Low


Medium


*High

7.5 Vibrate – Good Read

The scanner vibrates once when a bar code is successfully read.Scan Vibrate - Good Read Off to keep the scanner from vibrating. Default-Vibrate - Good Read Off.

*Vibrate - Good Read Off

Vibrate - Good Read On

7.6 LED – Good Read

The LED indicator can be programmed On or Off in response to a good read. Default = On.

Good Read LED Off

*Good Read LED on

7.7 Numbers of Beeps – Good Read

The number of LEDs of a bad read can be programmed from 1 - 9. Scan the barcode below and then scan a digit (1-9) barcode and the Save barcode on the Programming Chart inside the back cover of this manual.

Number of Good Read Beeps/LED Flashes

Save

7.8 Bad read LED Control

When the scanner fails to decode, the LED light can be set to on or off this response.

*Bad Read LED Off

Bad Read LED ON

7.9 Numbers of LEDs – Bad Read

The number of LEDs of a bad read can be programmed from 1 - 9. Scan the barcode below and then scan a digit (1-9) barcode and the Save barcode on the Programming Chart inside the back cover of this manual.

Number of Bad read

Save

7.10 No Read

With No Read turned On, the Scanner notifies you if a code cannot be read. If using a Scan Data Window, an “NR” appears when a code cannot be read. If No Read is turned Off, the “NR” will not appear.


*Off


On

7.11 User-Specified No read Output character

If you want to set your own “No Read” Output characters, scan the barcode below.


User-Specified On Read Characters


Save

Chapter 8 Trigger Modes

8.1 * Manual/Serial Trigger（Default）

You can activate the scanner by pressing the trigger, or using a serial trigger command. When in manual trigger mode, the scanner scans until a barcode is read, or until the trigger is released.


*Manual/Serial Trigger

8.2 Read Time-Out

Use this selection to set a time-out (in milliseconds) of the trigger when using serial commands to trigger the scanner or if the scanner is in manual trigger mode. Once the scanner has timed out, you can activate the scanner either by pressing the trigger or using a serial trigger command. After scanning the Read Time-Out barcode, set the time-out duration (from 0-300000 milliseconds) by scanning digits from the inside back cover, then scanning Save. Default = 30000


Read Time-Out


Save

8.3 Continuous Trigger mode

When in Continuous Trigger mode, the scanner leaves the scan illumination on all the time and continuously searches for barcodes.

Continuous Trigger mode

8.4 Goode Read Delay

This sets the minimum amount of time before the scanner can read another barcode. If you want to set your own length for the good read delay, scan the barcode below, then set the delay (from 0-30000 milliseconds) by scanning digits from the inside back cover, then scanning Save. Default = No Delay.

User-Specified Good Read Delay

Save

8.5 Reread Delay

This sets the time period before the scanner can read the same barcode a second time. scan the barcode below, then set the delay (from 0-30000 milliseconds) by scanning digits from the inside back cover, then scanning Save. Default=100ms

User-Specified Reread Delay

Save

8.6 Presentation Mode

This programs the scanner to work in Presentation mode. The LEDs are either off or at the lowest power for ambient conditions until a barcode is presented to the scanner. Then the LEDs turn on automatically to read the code. Presentation Mode uses ambient light to detect the barcodes. If the light level in the room is not high enough, Presentation Mode may not work properly. In Presentation Mode,If the scanner decoded successfully in red LED, the Illumination LEDs will always be red; If the scanner decoded successfully in white LED, the Illumination LEDs will always be white.

Presentation Mode

8.7 Presentation Sensitivity

0 1 2 3

*4 5 6 7

8.8 Hands Free Time-Out

The Presentation mode and Continuous Trigger modes are referred to as “hands free” modes. If the scanner’s trigger is pulled when using a hands free mode, the scanner changes to manual trigger mode. You can set the time the scanner should remain in manual trigger mode by setting the Hands Free Time-Out. Once the time-out value is reached, (if there have been no further trigger pulls) the scanner reverts to the original hands free mode.

Scan the Hands Free Time-Out code, then scan the time-out duration (from 0-300000 milliseconds) from the inside back cover, and Save. Default = 5000 ms

Hands Free Time-Out

Save

8.9 Illumination Lights

If you want the illumination lights on while reading a barcode, scan the Lights On barcode, below. However, if you want to turn just the lights off, scan the Lights Off barcode.

*Lights On

Lights Off

8.10 Illumination Colors

The scanner can automatically switch between the three illumination colors, and can also be locked to one of them.the Auto Switch is set by default.

*Auto Switch

White LED Locked

Red LED Locked

Blue LED Locked

8.11 Illumination Auto Switch Interval

In Illumination Auto Switch mode, you can set the switching interval of the illumination.Default=2s

1s

*2s

3s

8.12 Illumination Delay

After the trigger is pulled,there’s a delay time between the aiming light appearing and the illumination light

appearing.Scan the barcode below, then set the delay (from 0-5000 milliseconds) by scanning digits from the inside back cover, then scanning Save. Default=0ms,aiming light and illumination light appear at the same time, no delay time.


Illumination Delay


Save

8.13 Aimer Control

The Aiming light can be set to on or off independently. Default=Aimer On


*Aimer On


Aimer Off

8.14 Pre-Aiming Mode

When this mode is turned on, if the scanner enters the standby state after being turned on, the aiming light enters the continuous on state. It is convenient for users to align the barcode in advance to complete fast and accurate scanning


Pre-Aiming Off


*Aiming light on for 5s


Aiming light on for 10s


Aiming light on for 30s

8.15 Centering

Use Centering to narrow the scanner’s field of view to make sure the scanner reads only those barcodes intended by the user. For instance, if multiple codes are placed closely together, centering will insure that only the desired codes are read. (Centering can be used in conjunction with Aimer Delay, for the most error-free operation in applications where multiple codes are spaced closely together.)


* Centering Off

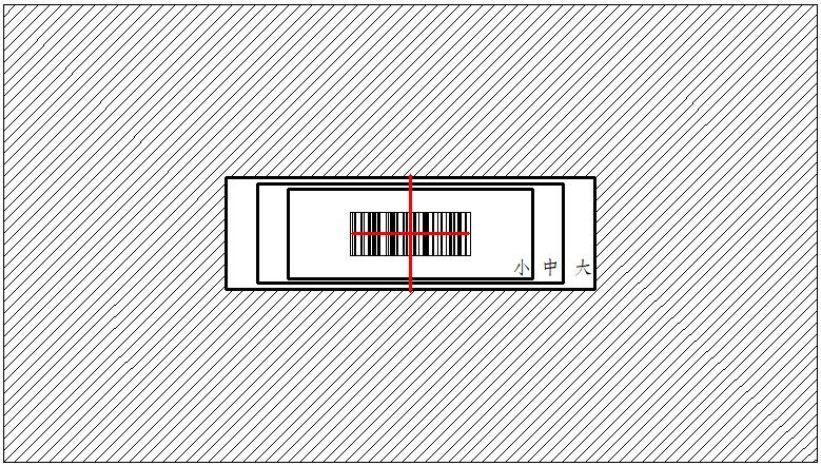

Centering On

Scan Centering On, then scan one of the following barcodes to change the Decoding area.


*Small


Medium


Big



Chapter 9 Multiple Symbols

9.1 Multiple Symbols

When this programming selection is turned On, it allows you to read multiple symbols with a single pull of the scanner's trigger. If you press and hold the trigger, aiming the scanner at a series of symbols, it reads unique symbols once, beeping (if turned on) for each read. The scanner attempts to find and decode new symbols as long as the trigger is pulled.

*Multiple Off

Multiple On

9.2 Multiple Symbols Number set

When the Multiple Symbols is turned On, it allows you to set the barcode number.

Multiple Symbols Number

Save

9.3 Output Sequence Overview

When turned off, the barcode data will be output to the host as the Scanner decodes it. When turned on, all output data must conform to an edited sequence or the scanner will not transmit the output data to the host device.

* Sequence Off Sequence On

9.4 Output Sequence Editor

This programming selection allows you to program the scanner to output data (when scanning more than one symbol) in whatever order your application requires, regardless of the order in which the barcodes are scanned. You should tune the Multiple On and set the Symbols Number.

Note: To make Output Sequence Editor selections, you'll need to know the code I.D., code length, and character match(es) your application requires. Use the Alphanumeric symbols (inside back cover) to read these options. You must hold the trigger while reading each barcode in the sequence.


Enter Sequence


Save

To Add an Output Sequence**:**

① Scan the **Enter Sequence** symbol

② **Code ID**

On the Symbology Chart, find the symbology to which you want to apply the output sequence format. Locate the Hex value for that symbol ogy and scan the 2 digit hex value from the Programming Chart (inside back cover).

③ **Length**

Specify what length (up to 9999 characters) of data output will be acceptable for this symbology. Scan the four digit data length from the Programming Chart. (Note: 50 characters is entered as 0050. 9999 is a universal number, indicating all lengths.)

④ **Character Match Sequences**

On the ASCII Conversion Chart, find the Hex value that represents the character(s) you want to match. Use the Programming Chart to read the alphanumeric combination that represents the ASCII characters. (00 is the Universal number, indicating all characters.)

⑤ Repeat steps 2 to 4 to set rules for the second group of barcodes participating in sorting.

⑥ According to the set number of Multiple Symbols, after completing the above sort rule setting, scan the **Save** barcode.

Chapter 10 Data Editing

10.1 Prefix/Suffix Overview

10.1.1 Add a Carriage Return Suffix to all Symbologies

Scan the following barcode if you wish to add a carriage return suffix to all symbologies at once.


No CR


*CR Suffix


CR and LF Suffix

10.1.2 To Add a Prefix

Users can add prefix before barcode data or suffix after barcode data, with a maximum of 32 characters.

Prefix Selections

* Prefix Off

Prefix On

Add Prefix

Save

10.1.3 To Add a Suffix

Suffix Selections

*Suffix Off

Suffix On

Add Suffix

Save

10.1.4 Clear Prefix or Suffix（Not included the CR Suffix）

Clear Prefix

Clear Suffix

10.1.5 Data Formatting

Data Formatter On

Data Formatter Off

Please user the"HS200G Scanner Config" software the set the Data Formatter Rules.

10.2 Intercharacter Delay

An intercharacter delay of up to 495 milliseconds (in 5 ms steps) may be placed between the transmission of each character of scanned data. Scan the Intercharacter Delay barcode below, then scan the number of 5 millisecond steps (0-99), and the Save barcode.

Intercharacter Delay

Save

10.3 Interfunction Delay

An interfunction delay of up to 495 milliseconds (in 5 ms steps) may be placed between the transmission of each segment of the message string. Scan the Interfunction Delay barcode below, then scan the

number of 5 millisecond steps (0-99), and the Save barcode.

Interfunction Delay

Save

10.4 Intermessage Delay

An intermessage delay of up to 495 milliseconds (in 5 ms steps) may be placed between each scan transmission. Scan the Intermessage Delay barcode below, then scan the number of 5 millisecond steps (0-99), and the Save barcode.

Intermessage Delay

Save

Chapter 11 Exposure Mode settings

11.1 Exposure mode

The following settings can be used to change the scanner exposure mode setting, and the factory default mode is Auto exposure mode.

* Auto exposure

Fixed exposure

11.2 Exposure value settings

Scan the below setting codes to set the fixed exposure value. Default=200

*200

400

800

1500

3000

5000

7000

10000

11.3 Smart illumination Mode

With this mode on, the illumination light is adjustable in according to the barcode reading background and text between auto exposure and fixed exposure value.

Smart illumination On

* Smart illumination off

In the Smart illumination mode, you can set automatic exposure and fixed exposure **Switching time**. Default=2s

1s

1.5s

*2s

2.5s

3s

Chapter 12 Symbologies

12.1 Set All Symbologies On or Off

12.1.1 All Symbologies

If you want to decode all the symbologies allowable for your scanner, scan the All Symbologies On code. If on the other hand, you want to decode only a particular symbology, scan All Symbologies Off followed by the On symbol for that particular symbology.

All Symbologies On

All Symbologies Off

12.1.2 All 1D Symbologies

The user can choose to open or close All 1D Symbologies.

All 1D Symbologies Off

All 1D Symbologies On

12.1.3 All 2D Symbologies

The user can choose to open or close All 2D Symbologies.

All 2D Symbologies Off

All 2D Symbologies On

12.2 Video Reverse

Video Reverse is used to allow the scanner to read barcodes that are inverted. If Video Reverse to be set On, You can also scan the standard barcode, but it will reduce the decoding speed.

* Video Reverse Off

Video Reverse On

*UPC/EAN Video Reverse Off

UPC/EAN Video Reverse On

*Code128 Video Reverse Off

Code128 Video Reverse On

*Code39 Video Reverse Off

Code39 Video Reverse On

*Interleaved 2 of 5 Video Reverse Off

Interleaved 2 of 5 Video Reverse On

*Codabar Video Reverse Off

Codabar Video Reverse On

*Code93 Video Reverse Off

Code93 Video Reverse On

12.3 Codabar

Codabar On or Off

*Codabar Off

Codabar On

Codabar Start/Stop Characters

Start/Stop characters identify the leading and trailing ends of the barcode. You may either transmit, or not transmit Start/Stop characters. Default = Don’t Transmit.

* Don’t Transmit

Transmit

Codabar Check Character

Codabar check characters are created using different “modulos.” You can program the scanner to read only Codabar barcodes with Modulo 16 check characters. Default = No Check Character

* The scanner reads and transmits barcode data with or without a check character.

The scanner will only read Codabar barcodes printed with a check character, but will not transmit the check character with the scanned data.

The scanner will only read Codabar barcodes printed with a check character, and will transmit this character at the end of the scanned data.

Codabar Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=4

Codabar Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=60

12.4 Code 39

Code 39 On or Off

Code39 Off

*Code 39 On

Code39 Start/Stop Characters

Start/Stop characters identify the leading and trailing ends of the barcode. You may either transmit, or not transmit Start/Stop characters. Default = Don’t Transmit.

* Don’t Transmit

Transmit

Code39 Check Character

*The scanner reads and transmits Code 39 barcode data with or without a check character.

The scanner will only read Code39 barcodes printed with a check character, but will not transmit the check character with the scanned data.

◦

The scanner will only read Code39 barcodes printed with a check character, and will transmit this character at the end of the scanned data.

◦

Code39 Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1

Minimum Message Length

Save

Code39 Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=48

Maximum Message Length

Save

Code39 Full ASCII

If Full ASCII Code 39 decoding is enabled, certain character pairs within the barcode symbol will be interpreted as a single character. For example: $V will be decoded as the ASCII character SYN, and /C will be decoded as the ASCII character #. Default = Off

NUL	%U	DLE	$P	SP	SPACE	0	0	@	%V	P	P	‘	%W	p	+P
SOH	$A	DC1	$Q	!	/A	1	1	A	A	Q	Q	a	+A	q	+Q
STX	$B	DC2	$R	“	/B	2	2	B	B	R	R	b	+B	r	+R
ETX	$C	DC3	$S	#	/C	3	3	C	C	S	S	c	+C	s	+S
EOT	$D	DC4	$T	$	/D	4	4	D	D	T	T	d	+D	t	+T
ENQ	$E	NAK	$U	%	/E	5	5	E	E	U	U	e	+E	u	+U
ACK	$F	SYN	$V	&	/F	6	6	F	F	V	V	f	+F	v	+V
BEL	$G	ETB	$W	‘	/G	7	7	G	G	W	W	g	+G	w	+W
BS	$H	CAN	$X	(	/H	8	8	H	H	X	X	h	+H	x	+X
HT	$I	EM	$Y	)	/I	9	9	I	I	Y	Y	I	+I	y	+Y
LF	$J	SUB	$Z	*	/J	:	/Z	J	J	Z	Z	j	+J	z	+Z
VT	$K	ESC	%A	+	/K	;	%F	K	K	[	%K	k	+K	{	%P
FF	$L	FS	%B	,	/L	<	%G	L	L	\	%L	l	+L	l	%Q
CR	$M	GS	%C	-	-	=	%H	M	M	]	%M	m	+M	}	%R
SO	$N	RS	%D	.	.	>	%I	N	N	^	%N	n	+N	~	%S
SI	$O	US	%E	/	/O	?	%J	O	O	_	%O	o	+O	DEL	%T

*Code39 Full ASCII Off

Code39 Full ASCII On

12.5 Interleaved 2 of 5

Interleaved 2 of 5 On or Off

* Interleaved 2 of 5 Off

Interleaved 2 of 5 On

Interleaved 2 of 5 Check Digit

*The scanner reads and transmits Interleaved 2 of 5 barcode data with or without a check character.

The scanner will only read Interleaved 2 of 5 barcodes printed with a check character, but will not transmit the check character with the scanned data.

The scanner will only read Interleaved 2 of 5 barcodes printed with a check character, and will transmit this character at the end of the scanned data.

Interleaved 2 of 5 Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1

Minimum Message Length

Save

Interleaved 2 of 5 Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=80

Maximum Message Length

Save

12.6 Code 93

Code 93 On or Off

Code93 Off

*Code93 On

Code93 Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1

Minimum Message Length

Save

Code93 Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=80

Maximum Message Length

Save

12.7 Code 128

Code 128 On or Off

Code128 Off

*Code128 On

Code128 Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1

Minimum Message Length

Save

Code128 Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=80

Maximum Message Length

Save

GS1-128

GS1-128 On or Off

GS1-128 Off

*GS1-128 On

GS1-128 Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1

Minimum Message Length

Save

GS1-128 Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=80

Maximum Message Length

Save

GS1-128 Parentheses of Application Identifier

Scan these code to show or not show the parentheses of Application Identifier when the scanner decodes the barcode.Default=Parentheses Off

*Parentheses Off

Parentheses On

GS1-128 Short Margin

Scan the barcodes below to switch Short Margin options of GS1-128.Scan **Short Margin On** allows the scanner to decode in short margin condition.

*Short Margin Off

Short Margin On

12.8 UPC-A

UPC-A On or Off

UPC-A Off

*UPC-A On

UPC-A Check Digit

This selection allows you to specify whether the check digit should be transmitted at the end of the scanned data or not. Default = On.

Off

* On

12.9 UPC-E

UPC-E On or Off

*UPC-E Off

UPC-E On

12.10 EAN/JAN-13

EAN/JAN-13 On or Off

ENA/JAN-13 Off *ENA/JAN-13 On

EAN/JAN-13 Check Digit

This selection allows you to specify whether the check digit should be transmitted at the end of the scanned data or not. Default = On.


Off


* On

ISBN Translate

This selection causes EAN-13 Bookland symbols to be translated into their equivalent ISBN number format. Default = Off


*ISBN Off


ISBN On

12.11 EAN/JAN-8

EAN/JAN-8 On or Off


ENA/JAN-8 Off


*ENA/JAN-8 On

EAN/JAN-8 Check Digit

This selection allows you to specify whether the check digit should be transmitted at the end of the scanned data or not. Default = On.


Off


* On

12.12 PDF417

PDF417 On or Off


PDF417 Off


*PDF417 On

PDF417 Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1


Minimum Message Length


Save

PDF417 Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=2750


Maximum Message Length


Save

MicroPDF417 On of Off


*MicroPDF417 Off


MicroPDF417 On

MicroPDF417 Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1


Minimum Message Length


Save

MicroPDF417 Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=366


Maximum Message Length


Save

12.13 QR code

QR code On or Off


QR code On


*QR code Off

Micro QR code On or Off


Mirco QR code Off


*Mirco QR code On

QR code Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1


Minimum Message Length


Save

QR code Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=7089


Maximum Message Length


Save

12.14 Data Matrix

Data Matrix On or Off

Data Matrix Off

* Data Matrix On

Data Matrix Minimum Message Length

Scan the barcodes below to change the minimum message length, Minimum Default=1

Minimum Message Length

Save

Data Matrix Maximum Message Length

Scan the barcodes below to change the maximum message length, Maximum Default=3116

Maximum Message Length

Save

Data Matrix Low contrast settings

Users can choose to turn on or off low contrast Data Matrix support mode, Default=On

Low contrast Off

* Low contrast On

Data Matrix Rectangular decoding mode

Users can scan the barcodes below to set for supporting Data Matrix Rectangular mode, Default=On

Rectangular mode Off

* Rectangular mode On

Data Matrix Direct Part Mark mode

Users can scan the barcodes below to set for supporting Data Matrix Direct Part Mark mode, Default=Off

*DPM mode Off

DPM mode On

Data Matrix broken border match mode

Users can scan the barcodes below to set for supporting Data Matrix that the border match is broken. Default=Off

*Border match broken Off

Border match broken On

Data Matrix Low Image proportion

Scan the barcodes below to allow the scanner decode the barcodes when the barcode occupies a small area of the field of vision.

*DM Low Image proportion Off

DM Low Image proportion On

Data Matrix ECC140 mode

Users can scan the barcodes below to set for supporting Data Matrix with ECC140 Calibration level. Default=Off

*ECC140 Off

ECC140 On

12.15 AZTEC Code

AZTEC On or Off

*AZTEC Off

AZTEC On

Chapter 13 Others Setting

13.1 Show Code ID

This selection allows you to turn on transmission of a Code I.D. before the decoded symbology. This is a temporary setting that will be removed when the unit is power cycled..

*Code ID Off

Code ID On

Symbology	Code ID	Hex	Symbology	Code ID	Hex	Symbology	Code ID	Hex
All		99	Code 49	I	6C	MSI	g	67
Australian Post	A	41	Code 93	i	69	NEC 2 5	Y	59
Aztec	z	7A	DataMatrix	w	77	OCR-A	O	4F
British Post	B	42	EAN-13	d	64	OCR-A	O	4F
Canadian Post	C	43	EAN-8	D	44	PDF417	r	72
China Post	Q	51	GS1	y	79	Planet	L	4C
HanXin code	H	48	InfoMail	,	2c	Postnet	P	50
Codabar	a	61	Interleaved	e	65	QR code	s	73

			2 of 5					
Codablock	V	56	Japanese Post	J	4A	IATA 2 5	f	66
Code 11	h	68	KIX Post	K	4B	Telepen	T	54
Code 128	j	6A	Korea Post	?	3F	UPC-A	c	63
GS1-128	l	49	Matrix 2 5	m	6D	UPC-E	E	45
Code 32	<	3C	Maxicode	x	78	No read		9C
Code 39	b	62	Micro PDF	R	52			

Symbology Chart

Appendix I：Programming Chart

0

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

Save

Appendix II： ASCII Conversion Chart

Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char
0	00	NUL	32	20		64	40	@	96	60	‘
1	01	SOH	33	21	!	65	41	A	97	61	a
2	02	STX	34	22	“	66	42	B	98	62	b
3	03	ETX	35	23	#	67	43	C	99	63	c
4	04	EOT	36	24	$	68	44	D	100	64	d
5	05	ENQ	37	25	%	69	45	E	101	65	e
6	06	ACK	38	26	&	70	46	F	102	66	f
7	07	BEL	39	27	‘	71	47	G	103	67	g
8	08	BS	40	28	(	72	48	H	104	68	h
9	09	HT	41	29	)	73	49	I	105	69	i
10	0A	LF	42	2A	*	74	4A	J	106	6A	j
11	0B	VT	43	2B	+	75	4B	K	107	6B	k
12	0C	FF	44	2C	,	76	4C	L	108	6C	l
13	0D	CR	45	2D	-	77	4D	M	109	6D	m
14	0E	SO	46	2E	.	78	4E	N	110	6E	n
15	0F	SI	47	2F	/	79	4F	O	111	6F	o
16	10	DLE	48	30	0	80	50	P	112	70	p
17	11	DC1	49	31	1	81	51	Q	113	71	q
18	12	DC2	50	32	2	82	52	R	114	72	r
19	13	DC3	51	33	3	83	53	S	115	73	s
20	14	DC4	52	34	4	84	54	T	116	74	t
21	15	NAK	53	35	5	85	55	U	117	75	u
22	16	SYN	54	36	6	86	56	V	118	76	v
23	17	ETB	55	37	7	87	57	W	119	77	w
24	18	CAN	56	38	8	88	58	X	120	78	x
25	19	EM	57	39	9	89	59	Y	121	79	y
26	1A	SUB	58	3A	:	90	5A	Z	122	7A	z
27	1B	ESC	59	3B	;	91	5B	[	123	7B	{
28	1C	FS	60	3C	<	92	5C	\	124	7C	|
29	1D	GS	61	3D	=	93	5D	]	125	7D	}
30	1E	RS	62	3E	>	94	5E	^	126	7E	~
31	1F	US	63	3F	?	95	5F	_	127	7F	

ASCII Conversion Chart

Appendix III: Sample Symbols

Code 39

Code 128

UPC A

EAN-13

Codabar

UPC E

Interleaved 2/5

PDF 417

Data Matrix

QR Code

Beeper Indications

Indication	Beeper Sequence
Power up	Low/medium-/medium+/high beeps
Barcode decoded	high beep
Transmission error detected; data is ignored	4 long low beeps
Successful parameter setting	High/low/high/low beeps
Correct programming sequence performed	High/low beeps
Incorrect programming sequence	Long low/long high beeps
Low battery indication	4 short high beeps

LED Indications

LED Indicator	Indicator
Power Gauge Indications	
Green LED	51-100% Remaining Battery
Yellow LED	21-50% Remaining Battery
Red LED, indicating low battery power	0-20% Remaining Battery
Blue LED (fast, fast slow)	Paging state
Press and hold the scan button for 3 seconds, the indicator will display the battery status; it will automatically go out after 5 seconds	
Scan LEDs	
Off	Scanner is on and ready to scan, or no power to scanner
Green Led	Decoding succeeded
Red Led	Decoding failed(off by default)
Yellow Led	Decoding succeeded,Transmission failed

Troubleshooting

Scanner not working	
No power to scanner	Ensure battery is charged
Scanner successfully decodes the barcode, but data not transmitting to host	
Host interface not configured properly	Scan appropriate host parameter bar codes
Interface cable is loose	Ensure all cable connections are secure.
Scanner not paired to cradle	Scan cradle pairing bar code.
Scanner can not decode the barcode	
Corresponding code system is not enabled	Enable the corresponding code system
Bar code is unreadable	Ensure the bar code is not defaced; try scanning a test bar code of the same bar code type.
Distance between scanner and bar code incorrect	Move scanner closer to, or further from bar code.
The scanner cannot communicate and charge normally when placed on the cradle	
Poor contact between scanner and cradle	Try to tighten the Battery Compartment Knob
Incorrect Communication mode	Scan the "Cradle HID Mode" barcode, switch the Communication mode to the Cradle HID mode, and then try to pair again
The Wireless Scanner HID mode cannot search for the scanner, and cannot be paired and connected	
The wireless scanner is paired with other mobile phones/computers	1. Scan the "Clear Pairing Info of Scanner HID Mode" barcode 2. Search and pair again
The wireless scanner has been paired before, and the pairing information on the mobile phone/computer has not been cleared	1. Enter the Wireless setting interface on the mobile phone/computer to delete the paired device information 2. Search and pair again
Incorrect Communication mode	Scan the "Scanner HID Mode" barcode, switch the Communication mode to the Cradle HID mode, and then try to pair again

Troubleshooting

- If the power indicator does not function well, please check the connection of the USB data cable.
- If the scanner decode fails, please ensure the setting of the barcode be on.
- In case of no response to the orders, please check the spelling of the orders.

Attention

- Please keep the scanner off if it is spared, please do not keep it on all the time.
- Please do not look directly into the laser beam to avoid accident injury.
- Please keep the USB data cable away from water and fire.

Technical Support

lease visit SEUIC's official website www.chinaautoid.net to download User Manual, SDK, different Apps or software in order to help you better use the device.

SEUIC Technologies Co., Ltd.
Company address: NO.15 Xinghuo Road, Nanjing New High Technology Industry Development Zone, 210061, Nanjing City, Jiangsu Province, China.
Company official website：www.seuic.com
Product website：www.chinaautoid.net
Mailbox：AUTOID@seuic.com
Postocde:210061
Service Hotline:0086-400-677-0876