



# GS220

## Bar Code Scanner

### Quick Start Guide

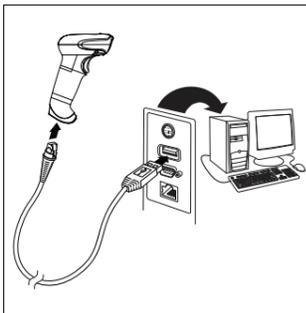
220-QS Rev B  
11/11

### Getting Started

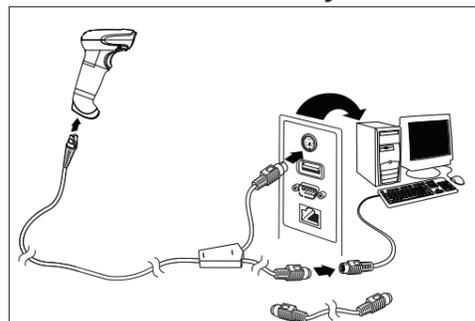
Turn off the computer's power before connecting the scanner, then power up the computer once the scanner is fully connected.

### Connecting the Scanner

#### USB:



#### Keyboard Wedge:



### Reading Techniques



### Recall Defaults

The following bar code resets all standard product default settings.



### Interface Selections

#### USB



#### Keyboard Wedge



### Prefix

Scan one of the following bar codes to program your scanner to add or remove a start of text character, or AIM or Nixdorf identification characters before each bar code.



### Suffix

Scan one of the following bar codes to program your scanner to add or remove a carriage return, line feed, tab, or end of text after each bar code.



### User Configurable Prefix/Suffix

One or two prefix or suffix characters can be added and assigned for data transmission. Use one of the codes below with a 3 code byte sequence that represents the desired character (see ASCII Conversion Chart, end of document) for your prefix or suffix. (To add additional prefix/suffix characters, refer to your Single-Line Configuration Guide.)

Scan the **Enter/Exit Programming** bar code to begin. Then scan the 3 digit decimal equivalent of the ASCII character into the appropriate character location with the code byte bar codes (see Code Bytes, end of document). To save, scan the **Enter/Exit Programming** bar code again.

Example: To add an asterisk (\*) as a prefix, scan the bar codes:

1. Enter/Exit Programming
2. Configurable Prefix #1
3. Code Byte 0
4. Code Byte 4
5. Code Byte 2
6. Enter/Exit Programming



### Supplements

Scan one of the bar codes below to program your scanner for 2 or 5 digit bar code supplements.



**977 (2 Digit) Supplement Required:** Turn on this feature when a 2 digit supplement is required for EAN-13 codes that begin with 977.



### Laser/Scan Modes

Scan **Enable Automatic Scanning** to make the IR sensor on the scanner active. The scanner stays off unless motion or an object is detected. Once something is detected, the beam comes on and scans the bar code automatically.

When you scan **Continuous Blinky Scan** mode, the IR sensor is deactivated. The scanner beam flashes continuously, but the scanner only scans when the beam is on. Scan **Enable Manual Trigger** to activate the laser when the CodeGate button is pressed.



### UPC/EAN Formatting

Scan **Convert UPC-A to EAN-13** and a leading zero is transmitted before a UPC-A bar code to convert it to EAN-13.



Scan **Transmit Lead Zero on UPC-E** to transmit a zero before each UPC-E bar code.



Scan **Transmit UPC-A Number System** to transmit the UPC-A leading digit with the bar code data. To transmit just the data, without the leading digit, scan **Don't Transmit UPC-A Number System**.



**Expand UPC-E to 12 Digits** expands the UPC-E code to the 12 digit, UPC-A format.



When **Code 39 Full ASCII On** is scanned, certain character pairs within the bar code 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 #.



### Technical Assistance

Contact information for technical support, product service, and repair can be found at [www.godexintl.com](http://www.godexintl.com).

### Limited Warranty

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This warranty shall extend from the time of shipment for the duration published by Godex for the product at the time of purchase ("Warranty Period"). Any defective product must be returned (at purchaser's expense) during the Warranty Period to Godex's factory or authorized service center for inspection. No product will be accepted by Godex without a Return Materials Authorization, which may be obtained by contacting Godex. In the event that the product is returned to Godex or its authorized service center within the Warranty Period and Godex determines to its satisfaction that the product is defective due to defects in materials or workmanship, Godex, at its sole option, will either repair or replace the product without charge, except for return shipping to Godex.

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### Miscellaneous

**Minimum Symbol Length** specifies the minimum number of characters allowable for non-UPC/EAN bar codes. Scan the **Enter/Exit Programming** bar code to begin. Scan **Minimum Symbol Length**, then scan the minimum number of characters allowed using code byte bar codes, below. For example, for a 12-character symbol length, scan 012. To save, scan the **Enter/Exit Programming** bar code again.



**Symbol Length Lock** specifies the exact number of characters required for non-UPC/EAN bar codes. Scan the **Enter/Exit Programming** bar code to begin. Scan **Symbol Length Lock**, then scan three bar codes representing the desired number of characters using the code byte bar codes, below. For example for a 12-character symbol length lock, scan 012. To save, scan the **Enter/Exit Programming** bar code again.



### Code Bytes



### ASCII Conversion Chart

Dec	Hex	Char												
0	00	NUL	26	1A	SUB	52	34	4	78	4E	N	104	68	h
1	01	SOH	27	1B	ESC	53	35	5	79	4F	O	105	69	i
2	02	STX	28	1C	FS	54	36	6	80	50	P	106	6A	j
3	03	ETX	29	1D	GS	55	37	7	81	51	Q	107	6B	k
4	04	EOT	30	1E	RS	56	38	8	82	52	R	108	6C	l
5	05	ENQ	31	1F	US	57	39	9	83	53	S	109	6D	m
6	06	ACK	32	20		58	3A	:	84	54	T	110	6E	n
7	07	BEL	33	21	!	59	3B	;	85	55	U	111	6F	o
8	08	BS	34	22	"	60	3C	<	86	56	V	112	70	p
9	09	HT	35	23	#	61	3D	=	87	57	W	113	71	q
10	0A	LF	36	24	\$	62	3E	>	88	58	X	114	72	r
11	0B	VT	37	25	%	63	3F	?	89	59	Y	115	73	s
12	0C	FF	38	26	&	64	40	@	90	5A	Z	116	74	t
13	0D	CR	39	27	'	65	41	A	91	5B	[	117	75	u
14	0E	SO	40	28	(	66	42	B	92	5C	\	118	76	v
15	0F	SI	41	29	)	67	43	C	93	5D	]	119	77	w
16	10	DLE	42	2A	*	68	44	D	94	5E	^	120	78	x
17	11	DC1	43	2B	+	69	45	E	95	5F	_	121	79	y
18	12	DC2	44	2C	,	70	46	F	96	60	'	122	7A	z
19	13	DC3	45	2D	-	71	47	G	97	61	a	123	7B	{
20	14	DC4	46	2E	.	72	48	H	98	62	b	124	7C	
21	15	NAK	47	2F	/	73	49	I	99	63	c	125	7D	}
22	16	SYN	48	30	0	74	4A	J	100	64	d	126	7E	~
23	17	ETB	49	31	1	75	4B	K	101	65	e	127	7F	
24	18	CAN	50	32	2	76	4C	L	102	66	f			
25	19	EM	51	33	3	77	4D	M	103	67	g			

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This warranty shall extend from the time of shipment for the duration published by Godex for the product at the time of purchase ("Warranty Period"). Any defective product must be returned (at purchaser's expense) during the Warranty Period to Godex's factory or authorized service center for inspection. No product will be accepted by Godex without a Return Materials Authorization, which may be obtained by contacting Godex. In the event that the product is returned to Godex or its authorized service center within the Warranty Period and Godex determines to its satisfaction that the product is defective due to defects in materials or workmanship, Godex, at its sole option, will either repair or replace the product without charge, except for return shipping to Godex.

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### User Documentation

For localized versions of this document, and to download the User's Guide, go to [www.godexintl.com](http://www.godexintl.com).

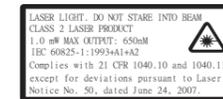
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### Product Agency Compliance

#### Laser Eye Safety Statement



This device has been tested in accordance with and complies with IEC60825-1: 1993+A1+A2, EN 60825-1:1994+A1+A2 and 21 CFR 1040.10 and 1040.11, except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001.

CAUTION-Laser light when open. DO NOT STARE INTO BEAM.

CAUTION - use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

### For China RoHS Declaration

产品有毒有害物质或元素清单						
本产品表面标识的环保使用期限是在正常使用情况下（产品正常使用具体条件请参见产品使用手册）的环保使用期限，下表为产品中含有有毒物质的部件清单：						
部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
上盖	×	○	○	○	○	○
屏蔽罩	×	○	○	○	○	○
激光二极管	×	○	○	○	○	○
VLD 套管	×	○	○	○	○	○
VLD 枪管	×	○	○	○	○	○
电源线	×	○	○	○	○	○
○ : 该物质在对应元器件中的含量满足 SJ/T 11363-2006 规定的限量要求 × : 该物质在对应元器件中的含量超出 SJ/T 11363-2006 规定的限量要求						

除上表所示的部件外，以下部件的环保使用期限为 10 年。						
部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电源	×	○	○	○	○	○
数据线	×	○	○	○	○	○
○ : 该物质在对应元器件中的含量满足 SJ/T 11363-2006 规定的限量要求 × : 该物质在对应元器件中的含量超出 SJ/T 11363-2006 规定的限量要求						

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