



Model No.: 6900

1D Barcode Scanner

User Manual

Ver.06.1.01

The scanner's keyboard layout default is a US keyboard.

Preface

Thank you for buying this barcode scanner from Tera.
Before using the barcode scanner, please read the instructions carefully and do not arbitrarily scan the setting codes. Otherwise, some functions may be turned on or off unintentionally.

How to use this scanner

1. Connect the computer USB interface, the buzzer prompts and the indicator light at the top of the scanner are always on, so if they both trigger, it means the connection was successful.
2. Open any document and enable the editing state. You must first confirm that the cursor is displayed. After doing so, press the button to start scanning the code without installing a driver.
3. There will be a buzzer sound when the code is scanned successfully, and the corresponding content of the code will be displayed in the document.
4. For more functions, please refer to the setting codes in the manual.
5. If you have any question or concern about the operation of the scanner, please contact us at the following email address: service@tera-digital.com
(Please indicate the scanner model number or the order number, describe the problem you encountered and/or attach a video of the malfunction.)

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Restore Factory Default

If the scanner fails to operate due to improper configurations or other reasons, scan this barcode to restore it to factory settings.



Restore Factory Default

Scanning Mode Setting

Trigger Mode: Hold the trigger button to scan, then release the trigger to end the scan. The red scan light will only show up when you press the button.



Trigger Mode

Delay Mode: After reading a barcode, if the key has not been released, you can continue scanning.



Delay Mode

Single-Click Mode: The difference between single-click mode and normal manual mode is that you only need to click the button to read the barcode, instead of pressing the button continuously.



Single-Click Mode

Continuous Scanning Mode: Scan barcodes automatically without pulling the trigger button, as the scanner works continuously.



Continuous Scanning Mode

Automatic Scanning Mode with Smart Stand: When the scanner is placed on the bracket, the scanner will automatically turn on the automatic sensing function within a few seconds. After leaving the bracket, the scanner will automatically return to the trigger mode within a few seconds.



Smart Stand Mode ON



Smart Stand Mode OFF

Volume Setting



High



Low



Off

Tune Setting



High



Medium



Low

USB Device Type

The default is "HID Emulation Keyboard". Since most devices have integrated USB HID device drivers, there is no need to install additional software to use this scanner.



HID Emulation Keyboard



Simulate RS232 Serial Port



IBM Table Top USB



IBM Hand-Held USB



USB OPOS Hand-Held

Note: If you want to use the USB interface to emulate the serial port, you need to install the Virtual COM Driver provided by the manufacturer

USB Keyboard Language



English



French



German



Others

Uppercase and Lowercase



Off



Uppercase



Lowercase

Symbology Enable and Disable

EAN-13



On



Off

EAN13 to ISBN/ISSN



On



Off

EAN-8



On



Off

UPC-A



On



Off

UPC-E



	On	Off
CODE 128		
	On	Off
UCC/EAN 128		
	On	Off
CODE 39		
	On	Off
CODE 93		
	On	Off
Interleaved 2 of 5		
	On	Off
Industrial 2 of 5		
	On	Off
Matrix 2 of 5		
	On	Off
Codabar		
	On	Off
CODE 11		
	On	Off

MSI/Plessey



On



Off

GS1 Data Bar



On



Off

GS1 DataBar Limited



On



Off

GS1 Data Bar Expanded



On



Off

Reversed Barcode



On



Off

Prefix and Suffix Setting

Add Prefix

The prefix setting includes two components: one is whether to enable the prefix character, and the other is the content of the prefix character. The prefix of the barcode can be any ASCII character ranging from 0 to 8 digits. Please set and enable the prefix as follows:

1. Start setting prefix.



Start setting prefix

2. According to the content to be added, refer to the "ASCII Code Character Table" and scan the corresponding setting codes to the custom the prefix. Each character corresponds to 2 hexadecimal numbers, for example, "AB" corresponds to "41 42".



4



3. Scan the "End Parameter Input" setting. If you hear "Du-Di", the setup has succeeded.



End Parameter Input

4. Scan the "Enable Prefix" setting barcode to complete adding prefix.



Enable Prefix

Clear Added Prefix



Clear Added Prefix

Add Suffix

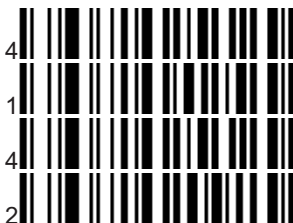
Please set and enable the suffix as follows:

1. Scan the barcode "Start setting suffix".



Start setting suffix

2. According to the content to be added, refer to the "ASCII Code Character Table" and scan the corresponding setting codes to the custom the suffix. Each character corresponds to 2 hexadecimal numbers, for example, "AB" corresponds to "41 42".



3. Scan the "End Parameter Input" setting. If you hear "Du-Di", the

setup has succeeded.



End Parameter Input

4. Scan the "Enable Suffix" setting barcode to complete adding suffix.



Enable Suffix

Clear Added Suffix



Clear Added Suffix

Insert String Setting

Users can insert one or two strings: G1 and G2, with a range of 0-16 characters in the appropriate position of the barcode data according to their needs (the length of 0 means an empty string). G1 and G2 can be inserted into any position of barcode characters of a specific barcode type, or into any position of barcode characters of all barcode types. G1 and G2 must be set separately (when G2 is set to a null character, it means that only one string G1 has been inserted).

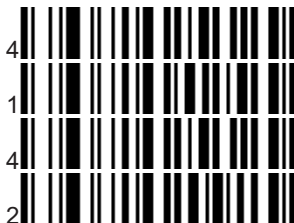
Please set and insert strings as follows:

1. Scan "Start setting G1 character".



Start Setting G1 Character

2. According to the content that needs to be added, refer to Appendix 1, scan the corresponding setting codes to the custom the string. Each character corresponds to 2 hexadecimal numbers, for example, "AB" corresponds to "41 42".



3. Scan the "End Parameter Input" setting barcode. If you hear "Du-Di", the setup has succeeded.



End Parameter Input

4. Scan the setting barcode "Start setting G1 position".



Start Setting G1 Position

5. Scan the parameter barcodes and enter the two-digit position parameters in sequence. For example, in order to insert G1 after the first character of the barcode, then scan the parameter barcodes 0 and 1.



6. Scan the "End Parameter Input" setting barcode. If you hear "Du-Di", the setup has succeeded.



End Parameter Input

7. Scan the barcode "Insert String 1".



Insert String 1

8. Scan the number of the string to be inserted. (1 and 2 correspond to G1 and G2 respectively; 0 means no insertion.)



9. Scan the "End Parameter Input" setting barcode. If you hear "Du-Di", the setup has succeeded.



End Parameter Input

10. Scan the setting barcode "Start setting G2".



Start Setting G2

11. According to the content to be added, refer to "Appendix 1" and corresponding setting codes to the custom the string. ("0 0" means G2 is an empty string.)



12. Scan the "End Parameter Input" setting barcode. If you hear "Du-Di", the setup has succeeded.



End Parameter Input

13. Scan the setting barcode "Insert String 2".



Insert String 2

14. Scan the number of the string to be inserted. (1 and 2 correspond to G1 and G2 respectively; 0 means no insertion.)

15. Scan the "End Parameter Input" setting barcode. If you hear "Du-Di", the setup has succeeded.



End Parameter Input

Hide Prefix and Suffix

Hide Prefix

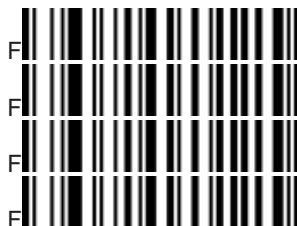
Users can hide prefix as follows:

1. Scan the barcode "Hide Prefix"



Hide Prefix

2. Scan the following barcode "F" for several times to determine the number of the hidden characters. (Each character corresponds to two "F", for example, scanning "F" for 4 times means 2 characters will be hidden.)



3. Scan the "End Parameter Input "setting barcode.



End Parameter Input

4. Scan the following two setting barcodes to insert string.



5. Scan the "End Parameter Input "setting barcode. If you hear "Du-Di", the setup has succeeded.



End Parameter Input

Hide Suffix

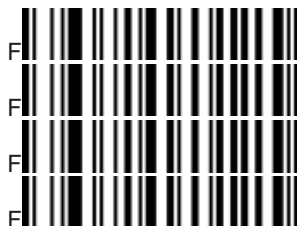
Users can hide suffix as follows:

1. Scan the barcode "Hide Suffix"



Hide Suffix

2. Scan the following barcode "F" for several times to determine the number of the hidden characters.(Each character corresponds to two "F", for example, scanning "F" for 4 times means 2 characters will be hidden.)



3. Scan the "End Parameter Input "setting barcode.



End Parameter Input

4. Scan the following two setting barcodes to insert string.



5. Scan the "End Parameter Input "setting barcode. If you hear "Du-Di", the setup has succeeded.



End Parameter Input

Terminator Setting



Add Carriage Return



Add Linefeed



Add Carriage Return + Linefeed



No Terminator

Appendix 1

ASCII Chart

Special Function Keys

H L	Keyboard cable /USB		RS-232	
	0	1	0	1
0	Null		NUL	DLE
1	Up	F1	SOH	DC1
2	Down	F2	STX	DC2
3	Left	F3	ETX	DC3
4	Right	F4	EOT	DC4
5	PgUp	F5	ENQ	NAK
6	PgDn	F6	ACK	SYN
7		F7	BEL	ETB
8	Bs	F8	BS	CAN
9	Tab	F9	HT	EM
A		F10	LF	SUB
B	Home	Esc	VT	ESC
C	End	F11	FF	FS
D	Enter	F12	CR	GS
E	Insert	Ctrl+	SO	RS
F	Delete	Alt+	SI	US

L	H	2	3	4	5	6	7
0		SP	0	@	P	`	p
1		!	1	A	Q	a	q
2		"	2	B	R	b	r
3		#	3	C	S	c	s
4		\$	4	D	T	d	t
5		%	5	E	U	e	u
6		&	6	F	V	f	v
7		'	7	G	W	g	w
8		(	8	H	X	h	x
9		)	9	I	Y	i	y
A		*	:	J	Z	j	z
B		+	;	K	[	k	{
C		,	<	L	\	l	
D		-	=	M	]	m	}
E		.	>	N	^	n	~
F		/	?	O	_	o	DEL

Normal characters

Example:ASCII "!" = "21"

Appendix 2

Parameter Barcode



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



End Parameter Input

Appendix 3

Common Q & A

The scanner does not light up.

1. The scanner is not powered. Check the power supply of the device.
2. If an incorrect cable is used, please use the cable provided by the original manufacturer.
3. The cable interface might be loose. Try reconnecting it.

The scan is normal, but the data output is incorrect.

1. If the interface is loose, reconnect it.
2. The keyboard input mode of the device is not set correctly, please correct the setting to allow the input of English letters.
3. If you are using a PS2 cable and garbled characters appear during data output, it may be that the data receiving speed of the device does not match the scanner.

The scanner cannot decode some barcodes.

1. The barcode can be defective, try to scan the same type of the test barcode to determine whether it can be interpreted.
2. The scanner might not be at an adequate distance from the barcode, please move the scanner closer or farther away from the barcode.
3. For barcodes with poor printing quality, the optimal reading distance is 5-10 cm.

Other situations of unsuccessful reading barcodes.

1. Try restarting the device. Turn off the power of the device; connect the device and the scanner correctly; turn on the device and scan again.
2. If the problem still cannot be solved, please contact the manufacturer.

If you need any product support, please contact our customer service.

Important Notice:

Please attach your Amazon Order Number and Product Model Number in the email.

Official Customer Service

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