

TR-UM1100D

Tera

Model No.: 1100D

Wireless **2D** Barcode Scanner

User Manual



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

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Chapter 1 General Settings

Check Firmware Version



Check Firmware Version

Custom Defaults

You have the ability to create your own custom defaults. To do so, scan the Save Custom Defaults symbol after you have finished scanning the commands for custom defaults.



Save Custom Defaults



Activate Custom Defaults

Lights

Illumination Lights



Lights On*



Lights Off

Aimer



On*



Off

Inverse Barcodes



Inverse barcodes Reading On



Inverse Barcodes Reading Off*

Chapter 2 Scan Modes

Manual Trigger Mode



Manual Trigger Mode

Continuous Scan Mode



Continuous Scan Mode

Continuous Scan Mode – Reread Delay



0 ms*



Reread Delay On



Unlimited



1000ms



1500ms*



3000ms



5000ms

Sensor-activated Mode



Sensor-activated Mode

Sensor-activated Mode – Reread Delay



0ms*



Reread Delay On



Unlimited



1000ms



1500ms*



3000ms



5000ms

Sensor-activated Mode - Sensitivity



Ultra-high



High*



Medium



Low

Chapter 3 Data Edit

Code ID



On



Off*

Chapter 4 Symbologies

Symbologies - Overview



All Symbologies On



All Symbologies Off



All 1D Symbologies On



All 1D Symbologies Off



All 2D Symbologies On



All 2D Symbologies Off

UPC-A



On*



Off



Transmit Check Digit*



Don't Transmit Check Digit



Transmit System Digit*



Don't Transmit System Digit



2-digit Addenda On



2-digit Addenda Off*



5-digit Addenda On



5-digit Addenda Off*

UPC-A Converted to EAN-13



On



Off*

UPC-E

UPC-E0



On



Off*



Transmit Check Digit*



Don't Transmit Check Digit



Transmit System Digit*



Don't Transmit System Digit

UPC-E1



On*



Off



Transmit Check Digit*



Don't Transmit Check Digit



Transmit System Digit*



Don't Transmit System Digit



2-digit Addenda On



2-digit Addenda Off*



5-digit Addenda on



5-digit Addenda Off*

EAN-8



On*



Off



Transmit Check Digit*



Don't Transmit Check Digit



2-digit Addenda On



2-digit Addenda Off*



5-digit Addenda On



5-digit Addenda Off*

EAN-13



On*



Off



Transmit Check Digit*



Don't Transmit Check Digit



2-digit Addenda On



2-digit Addenda Off*



5-digit Addenda On



5-digit Addenda Off*

EAN-13 Converted to ISBN



On



Off*

EAN-13 Converted to ISSN



On



Off*

Code 128



On*



Off

Code 39



On*



Off



Don't Transmit Check Digit*



Validate and Transmit



Validate, but Don't Transmit



Transmit Start/Stop
Characters



Don't Transmit Start/Stop
Characters*

Full ASCII



Full ASCII On



Full ASCII Off*

Code 32



On



Off*

Note: Code 32 Pharmaceutical is a form of Code 39 symbology. With Code 32 On, Code 39 reading accuracy will degrade. Code 32 Pharmaceutical can only be read when Code 39 is enabled and no check digit is required.

Code 93



On*



Off

Codabar (NW-7)



On*



Off

Interleaved 2 of 5



On*



Off

Matrix 2 of 5



On



Off*

Industrial 2 of 5



On



Off*

Standard 2 of 5(IATA)



On



Off*

Code 11



On



Off*

MSI Plessey



On



Off*

QR Code



On*



Off

Micro QR Code



On*



Off

Data Matrix



On*



Off

PDF 417



On*



Off

Chapter 5 Appendix

Appendix - Code ID

Number	Symbology	ID
1	UPC-A, UPC-E	c
2	EAN-8, EAN-13, ISBN, ISSN	d
3	CODE 39, Code 32	b
4	Codabar	a
5	Code 128	j
6	Code 93	i
7	Interleaved 2 of 5	e
8	Matrix 2 of 5	v
9	Industrial 2 of 5	D
10	Standard 2 of 5 (IATA25)	s
11	PDF 417	r
12	DataMatrix	u
13	QR Code, Micro QR	Q
14	Code 11	H
15	MSI Plessey	J

Wireless Settings

Enter/Exit

You are able to change any settings by scanning configuration codes attached in this user manual. First scan “Enter” symbol, then programming codes needed, finally, scan Exit symbol to save the settings.



Enter



Exit

Note:It is not necessary for scanners whose firmware version is above 1.18D to scan Enter/Exit symbols to set up the scanner.

Factory Default - Wireless

Scan the barcode below to reset the scanner to factory default settings for wireless connection.



Factory Default

Custom Defaults

By setting up custom defaults, you can save the settings which you use often as default settings for wireless connection. First, scan Enter symbol, then configuration codes needed, finally scan Exit symbol. The custom defaults will replace the original factory default settings. When the setting is done, the scanner won't restore to factory defaults even if scanning the factory default code.



Custom Default

Check Firmware Version



Check Firmware Version

Beeper Volume



High*



Medium



Low



Mute

Vibration



On



Off

Note: This feature is not available for all models.

Battery Level



Battery Level

Sleep Timer



30s



1 min



5 mins*



10 mins



Never



Immediately

Wireless Operation Modes

Real Time Mode



Real Time Mode

Storage Mode



Storage Mode



Upload All Codes



Upload Total Records



Clear All Codes

Communications



2.4G Wireless



Bluetooth HID



Bluetooth SPP



Bluetooth BLE

Wireless Pairing

2.4G Wireless Pairing (Receiver Pairing)

Step 1: Scan 2.4G Wireless symbol

With 2.4G wireless pairing, the scanner will connect to the receiver which it has paired with the last time in preference.



2.4G Wireless



Pair with the Dongle

Step 2: Scan Pair with the Dongle symbol to get the scanner ready for pairing.

Step 3: Plug the scanner into a USB port of the host device. There will be a beep and the LED indicator will turn into solid light, indicating pairing is done.

Note: If the scanner is searching for devices, a double press on the trigger or no pairing request being detected within 1 minute will cause the scanner to exit pairing.

Bluetooth HID Pairing

Step 1: Scan Bluetooth HID symbol

With Bluetooth pairing, the scanner will connect to the device which it has paired with the last time in preference.



Bluetooth HID



Pair

Step 2: Scan Pair symbol to get the scanner ready for pairing

Note: Press and hold the trigger for 8s, then release the trigger, the scanner will also begin searching for Bluetooth device. (This feature is disabled by default)

Step 3: Enable Bluetooth on your device and locate “BarCode Bluetooth HID”

Step 4: Tap/click the “BarCode Bluetooth HID” to pair the device with the scanner

Step 5: The scanner beeps once and the LED indicator turns into solid light indicating the pairing is done.

Note: If the scanner is searching for devices, a double press on the trigger or no pairing request being detected within 1 minute will cause the scanner to exit pairing.

Bluetooth SPP Pairing

Step 1: Scan Bluetooth SPP symbol

After scanning the Bluetooth SPP symbol, the scanner will enter Bluetooth SPP mode and broadcast, so it is easy to find the BarCode Bluetooth SPP in an application.



Bluetooth SPP

Step 2: Search for “BarCode Bluetooth SPP” in a Bluetooth SPP application

Step 3: Tap/click the “BarCode Bluetooth SPP” to pair the devices

Step 4: Scanner emits a beep and the LED indicator turns into solid light indicating the pairing is done.

Bluetooth BLE

Step 1: Scan Bluetooth BLE symbol

After scanning the Bluetooth BLE symbol, the scanner will enter Bluetooth BLE mode and broadcast, so it is easy to find the BarCode Bluetooth BLE in an application.



Bluetooth BLE

Step 2: Search for“BarCode Bluetooth BLE”in an application.

Step 3: Tap/click the“BarCode Bluetooth BLE”to pair the devices.

Step 4: Scanner emits a beep and the LED indicator turns into solid light indicating the pairing is done.

Long press to enter Bluetooth pairing



Hold the trigger for 8s to enter pairing On



Hold the trigger for 8s to enter pairing Off *

IOS System Virtual Keyboard HID



Show up/Hide IOS Keyboard



Double press trigger to
show the keyboard



Double press trigger to
hide the keyboard

Bluetooth HID transfer rate



Fast



Medium*



Slow



Ultra-slow

Keyboard Country Layout



United States*



Germany



France



Spain



Italy



Japan



Belgium (French)



Portugal



United Kingdom



Brazil (Portuguese)



Russia



Czech



Turkey Q



Turkey F



Sweden/Finland



Mexico (Spanish)



Denmark



Norway



Switzerland (German)



Switzerland (French)



Dutch (Netherlands)



Hungary



Poland (Polish)



Canada (French)



Argentina (Latin American)



Slovakia



Croatia



International

Keyboard Conversion



Keyboard Conversion Off*



Convert All Characters to
Upper Case



Convert All Characters to
Lower Case



Invert Case of All
Characters

Data Format and GS Replacement

Custom GS Replacement

Step 1: Scan the barcode below



GS Replacement

Step 2: Scan appropriate symbols from the Appendix ASCII Character Chart to replace the GS control character with the selected characters.

No GS Replacement



Don't Replace GS Character

Add Prefix/Suffix

The maximum size of a prefix or suffix configuration is 32 characters.

Add a Prefix

Step 1: Scan the "Add Prefix" symbol



Add Prefix

Step 2: Determine the appropriate value from the ASCII chart and scan the barcodes that represent the value accordingly in sequence.

Clear Prefixes

Step 1: Scan “Add Prefix” symbol

Step 2: Scan “Exit” symbol

A factory reset will clear prefixes as well.

Add a Suffix

Step 1: Scan “Add Suffix” symbol



Add Suffix

Step 2: Determine the appropriate value from the ASCII chart and scan the barcodes that represent the value accordingly in sequence.

Clear Suffixes

Step 1: Scan “Add Suffix” symbol

Step 2: Scan “Exit” symbol

A factory reset will clear suffixes as well.

Hide the First/Last Characters

Follow the steps below to hide up to 4 digits from the beginning or the end of barcodes.

Step 1: Scan "Hide the First Characters" or "Hide the Last Characters" symbol.



Hide the First Characters



Hide the Last Characters

Step 2: Scan the barcode below in accordance with your needs.



1 digit



2 digits



3 digit



4 digits

Clear Character Hiding Settings

Step 1: Scan “Hide the First Characters” or “Hide the Last Characters” symbol

Step 2: Scan “Exit” symbol

A factory reset will clear the settings as well.

Terminators



Add <CR>(0x0D)*



Add <LF>(0x0A)



Add <CR><LF>(0x0D,0x0A)








NONE









Add TAB <HT>(0x09)

Appendix – ASCII Character Chart

Note: The first 32 characters in the ASCII chart are non-printable characters, and the 32-127 characters are printable characters.

HEX	ASCII Value	Char	Symbol
01	01	SOH	
02	02	^B	
03	03	^C	
04	04	EOT	
05	05	ENQ	







HEX	ASCII Value	Char	Symbol
06	06	ACK	
07	07	BEL	
08	08	BS	
09	09	HT	
0A	10	LF	
0B	11	VT	







HEX	ASCII Value	Char	Symbol
0C	12	FF	
0D	13	CR	
0E	14	F1	
0F	15	F2	
10	16	F3	
11	17	F4	







HEX	ASCII Value	Char	Symbol
12	18	F5	
13	19	F6	
14	20	F7	
15	21	F8	
16	22	F9	
17	23	F10	







HEX	ASCII Value	Char	Symbol
18	24	F11	
19	25	F12	
1A	26	SUB	
1B	27	ESC	
1C	28	FS	
1D	29	GS	







HEX	ASCII Value	Char	Symbol
1E	30	RS	
1F	31	US	
20	32	SP	
21	33	!	
22	34	"	
23	35	#	







HEX	ASCII Value	Char	Symbol
24	36	\$	
25	37	%	
26	38	&	
27	39	`	
28	40	(
29	41)	

HEX	ASCII Value	Char	Symbol
2A	42	*	
2B	43	+	
2C	44	,	
2D	45	-	
2E	46	.	
2F	47	/	







HEX	ASCII Value	Char	Symbol
30	48	0	
31	49	1	
32	50	2	
33	51	3	
34	52	4	
35	53	5	






HEX	ASCII Value	Char	Symbol
36	54	6	
37	55	7	
38	56	8	
39	57	9	
3A	58	:	
3B	59	;	







HEX	ASCII Value	Char	Symbol
3C	60	<	
3D	61	=	
3E	62	>	
3F	63	?	
40	64	@	
41	65	A	







HEX	ASCII Value	Char	Symbol
42	66	B	
43	67	C	
44	68	D	
45	69	E	
46	70	F	
47	71	G	







HEX	ASCII Value	Char	Symbol
48	72	H	
49	73	I	
4A	74	J	
4B	75	K	
4C	76	L	
4D	77	M	







HEX	ASCII Value	Char	Symbol
4E	78	N	
4F	79	O	
50	80	P	
51	81	Q	
52	82	R	
53	83	S	 %%53

HEX	ASCII Value	Char	Symbol
54	84	T	
55	85	U	
56	86	V	
57	87	W	
58	88	X	
59	89	Y	


HEX	ASCII Value	Char	Symbol
5A	90	Z	
5B	91	[
5C	92	\	
5D	93]	
5E	94	^	
5F	95	_	

HEX	ASCII Value	Char	Symbol
60	96	'	
61	97	a	
62	98	b	
63	99	c	
64	100	d	
65	101	e	

HEX	ASCII Value	Char	Symbol
66	102	f	
67	103	g	
68	104	h	
69	105	i	
6A	106	j	
6B	107	k	

HEX	ASCII Value	Char	Symbol
6C	108	l	
6D	109	m	
6E	110	n	
6F	111	o	
70	112	p	
71	113	q	

HEX	ASCII Value	Char	Symbol
72	114	r	
73	115	s	
74	116	t	
75	117	u	
76	118	v	
77	119	w	

HEX	ASCII Value	Char	Symbol
78	120	x	
79	121	y	
7A	122	z	
7B	123	{	
7C	124		
7D	125	}	

HEX	ASCII Value	Char	Symbol
7E	126	~	
7F	127	DEL	
C7	199	Ç	
E7	231	ç	

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