User Manual

Wired QR and barcode scanner

HD630

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Specifications:

- **Warranty:** 2 years
- **Light Source:** 617nm LED
- **Scanning method:** manual (push-button)
- **Scan confirmation:** light and sound
- **Scan speed:** 300 scans/second
- **Interface:** USB
- **Drop resistance:** up to 1.8 meters
- **Device dimensions:** 18 x 10 x 8 cm
- **Package dimensions:** 18 x 10 x 8 cm
- **Reader weight:** 215 g
- **Weight of the device with packaging:** 275 g
- **Operating Temperature:** -20~50°C
- **Storage Temperature:** -40~70°C
- **Odczytywane kody 1D:** UPC/EAN, ISBN, ISSN, Code39, Code 39Full ASCII, Code32, Code128, Code11, Code93, Coda bar, industrial 2 of 5, Interleaved 2 of 5, MSI, GS1 Data Bar
- **Odczytywane kody 2D:** QR, Micro QR, Data Matrix, PDF417, MicroPDF417, Aztec Code, Maxi Code, Hanxin

Set contents:

- Wired 2D Code Reader
- USB cable
- User manual in the Polish version can be downloaded from the product page

Features:

- Quickly and accurately scan QR codes on barcodes, from printed labels, mobile phone screens, and mobile devices
- Handheld reader allows you to read codes at a speed of up to 300 scans per second
- Ergonomic shape and lightness increase the comfort of everyday use

Basic control codes

Software version

Factory reset

Barcode scanning enabled (default)

Barcode scanning disabled

Saving user settings

Saving User Preference Configuration

Restore user preferences

USB keyboard settings

ASCII control character

Control Character Enabled

Control character disabled (default)

Add CR and LF to a barcode

Enter key output when barcode contains only 0A

Output Enter key only if barcode contains 0D (default)

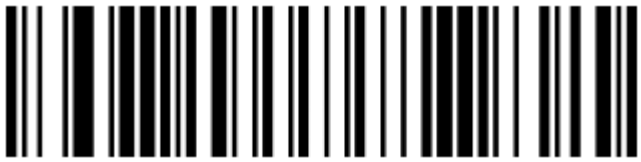
Output Enter key when barcode contains both 0A and 0D

USB keyboard transmission speed

Speed Low (default)

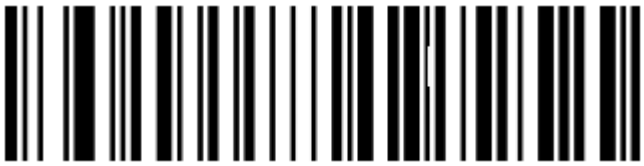
Average speed

High Speed



Custom Speed (2ms~50ms)

Case conversion



Unconverted (default)

Converting case

Convert to uppercase

Convert to lowercase

Keyboard layout settings

English (United States)—Default

French (France)

Italian (Italy)

Italian 142 (Italy)

German (Germany)

Spanish (Spain)

Spanish (Latin American)

Finnish

Japanese

Russian (MS)

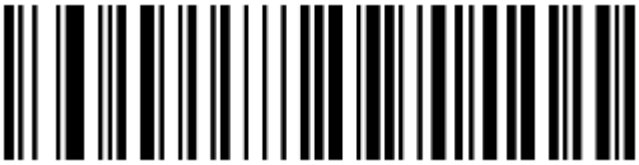
Russian (typewriter)

Arabic (101)

Irish

Polish (214)

Polish (programming)



Dutch (Netherlands)

Czech (QWERTZ)

Portuguese (Portugal)

Portuguese (Brazil)

Swedish (Sweden)

Turkish Q

Turkish F

Greek (MS)

French (Belgium)

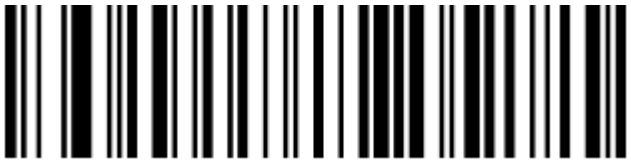
English (United Kingdom)

Virtual Keyboard Settings

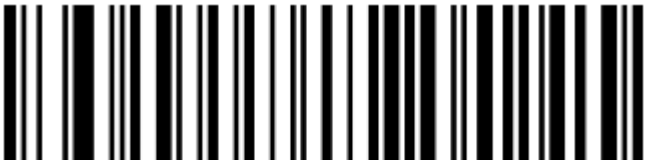
Mode 1: Characters in the range 0x20~0xFF are output using the virtual keyboard, which is not supported in the current keyboard layout, and characters in the range 0x00~0x1F are output according to the definition of control characters.

Mode 2: All characters in the range 0x20~0xFF are output by the virtual keyboard, and characters in the range 0x00-0x1F are output according to the definition of control characters.

Mode 3: All characters in the range 0x00~0xFF are output through the virtual keyboard.



Virtual keyboard disabled (default)



Virtual keyboard enabled

Virtual Keyboard (Mode 2)

Virtual Keyboard (Mode 3)

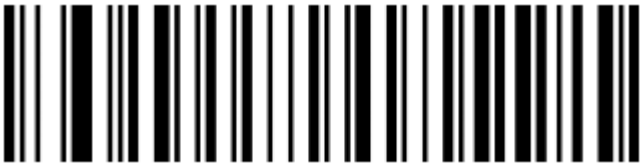
Operating system setting – virtual keyboard

WINDOWS (default)

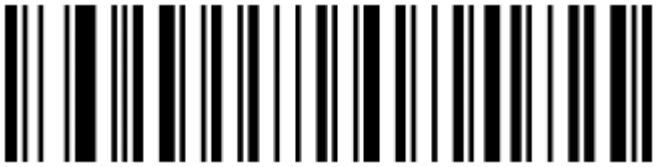
MAC OS

LINUX

Country code setting



English/Latino-1 (default)



GBK (Notepad/ Excel)

Unicode (WORD)

Settings for RS232 interface

Baud

Baud Rate 4800

Baud Rate 9600 (default)

Baud Rate 19200

Baud Rate 38400

Baud Rate 57600

Baud Rate 115200

Data bit settings

7 data bits, 1 stop bit, non-parity

7 data bits, 1 stop bit, parity

7 data bits, 1 stop bit, non-parity

7 data bits, 2 stop bits, non-parity

7 data bits, 2 stop bits, parity

7 Data Bit, 2 Stop Bit, Extra Parity

8 Data Bit,1 Stop Bit,No Parity(default)

8 data bits, 1 stop bit, parity

8 data bits,1 stop bit, Extra parity

8 data bits, 2 stop bits, non-parity

8 data bits, 2 stop bits, parity

8 data bits, 2 stop bits, non-parity

Replacing GS control characters

No Override (Default)

Substitution by Ç

Replacing With |

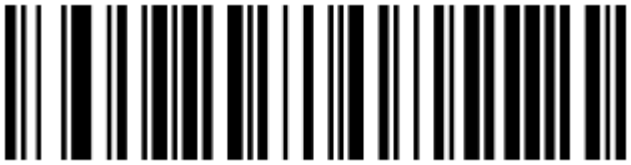
Replace by ^]

Replacing by]

Substitution by <GS>

Control character transmission settings

Control character transfer disabled



Submit a control character (default)

Scan Timeout

The time limit for scanning the same barcode is to avoid repeating - mistakenly scanning the same code.

500 ms

750ms (default)

1s

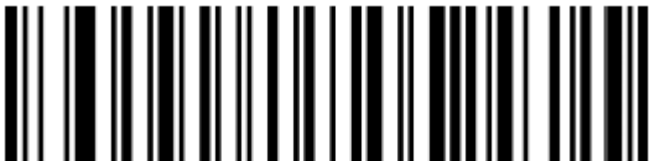
2s

Decode timeout

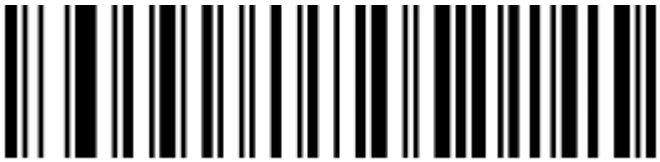
1s

3s

5s



10s



30s

Light signal settings

Backlight

LED Backlight Off

Low brightness LED

Led

LED light after successful reading off

LED on successful read (default)

Beep settings

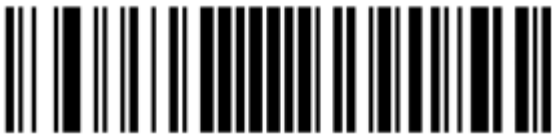
Volume

Low volume

High Volume (default)

Beep on/off

Beep off



Beep On (Default)

Beep after a successful read

Beep after successful reading off

Beep on (default) after successful read

Tone of beep after a successful reading

Beep 1 (default)

Beep 2 (2.7K)

Beep 3

Beep duration

Long beep (default)

Short beep

Tone of beep

Low Tone (Default)

Mid-tone

High tone

Prefix and Suffix Settings

Initial character symbol (Prefix)

No starting character (default)

STX as a starting character

Terminating character symbol (Suffix)

No end sign

CR as an end character

LF as an end character

CR and LF as the final character (default)

ETX as an end character

Custom prefix

Custom prefix enabled

Custom prefix disabled (default)

Restore all custom prefixes

Custom prefix setting

The custom prefix must be set according to the Table of Barcode Types and Data and Digit Barcodes attachment.

Custom Suffix

Custom Suffix Enabled

Custom Suffix Disabled (Default)

Restore all custom suffixes

Set a custom suffix

The custom suffix must be set according to the Table of Barcode Types and Data and Digit Barcodes attachment.

Code ID settings

Code ID disabled (default)

Prefix ID enabled

Suffix ID Enabled

Code ID setting

The code ID must be set according to the Table of Barcode Types, Data, and Digits attachment.

Restore all code IDs

Data format

The data editing function can customize the data field with full barcode content up to 3 Start/Center/End fields by configuring the length of the Start/End field. On the Start/End field length and transmission configuration should be configured according to actual needs.

Note: Non-barcode content such as custom prefixes and suffixes, start character, end character, etc., are not affected by the data editing feature.

Broadcast Setup

Original data transfer (default)

Submit only the start field

Upload only the middle field

Submit only the final field

Setting the Start/End Field Length

Setting the length of the start field

End field length setting

Note: The configuration of the field length is in bytes, using decimal data for configuration. Example：If we set the start field to 10 digits, we need to scan the meter pair "Set the length of the start field", and then scan the parameter "1", "0" and "Save" and additionally "Data and digit barcodes".

Reversed Code Scan Settings

Scan only regular codes (default)

Scanning only reverse codes

Scan regular and reverse codes

Appendix 1. Data and digit barcodes

1

3

5

7

9

0

2

4

6

8

A

B

C

D

E

F

Cancelling the current configuration

Cancellation of last digits

Cancellation of the last digit

Save

Appendix 2. ASCII character table

Dec	Hex	Cha	Dec	Hex	Cha	Dec	Hex	Cha
32	20	<SPACE>	64	40	@	96	60	`
33	21	!	65	41	A	97	61	a
34	22	"	66	42	B	98	62	b
35	23	#	67	43	C	99	63	c
36	24	$	68	44	D	100	64	d
37	25	%	69	45	E	101	65	e
38	26	&	70	46	F	102	66	f
39	27	'	71	47	G	103	67	g
40	28	(	72	48	H	104	68	h
41	29	)	73	49	I	105	69	i
42	2A	*	74	4A	J	106	6A	j
43	2B	+	75	4B	K	107	6B	k
44	2C	,	76	4C	L	108	6C	l
45	2D	-	77	4D	M	109	6D	m
46	2E	.	78	4E	N	110	6E	n
47	2F	/	79	4F	O	111	6F	o
48	30	0	80	50	P	112	70	p
49	31	1	81	51	Q	113	71	q
50	32	2	82	52	R	114	72	r
51	33	3	83	53	S	115	73	s

52	34	4	84	54	T	116	74	s
53	35	5	85	55	U	117	75	u
54	36	6	86	56	V	118	76	v
55	37	7	87	57	W	119	77	w
56	38	8	88	58	X	120	78	x
57	39	9	89	59	Y	121	79	y
58	3A	:	90	5A	Z	122	7A	z
59	3B	;	91	5B	[	123	7B	{
60	3C	<	92	5C	\	124	7C	|
61	3D	=	93	5D	]	125	7D	}
62	3E	>	94	5E	^	126	7E	~
63	3F	?	95	5F	_			

Appendix 3. Function Key Mapping Table (USB Keyboard)

Dec	Hex	Key (Control Character Escape Disabled)	Key (Control Character Escape Enabled)
0	00	Save	Ctrl+@
1	01	Insert	Ctrl+A
2	02	Home	Ctrl+B
3	03	End	Ctrl+C
4	04	Delete	Ctrl+D
5	05	PageUp	Ctrl+E
6	06	PageDown	Ctrl+F
7	07	ESC	Ctrl+G
8	08	Backspace	Ctrl+H
9	09	Tab	Ctrl+I
10	0A	Enter	Ctrl+J

11	0B	Caps Lock	Ctrl+K
12	0C	Print Screen	Ctrl+L
13	0D	Enter	Ctrl+M
14	0E	Scroll Lock	Ctrl+N
15	0F	Pause/Break	Ctrl+O
16	10	F11	Ctrl+P
17	11	↑	Ctrl+Q
18	12	↓	Ctrl+R
19	13	←	Ctrl+S
20	14	→	Ctrl+T
21	15	F12	Ctrl+U
22	16	F1	Ctrl+V
23	17	F2	Ctrl+W
24	18	F3	Ctrl+X
25	19	F4	Ctrl+Y
26	1A	F5	Ctrl+Z
27	1B	F6	Ctrl+[
28	1C	F7	Ctrl+\
29	1D	F8	Ctrl+]
30	1E	F9	Ctrl+^
31	1F	F10	Ctrl+_

Annex 4. Control character set (RS232 and USB-CDC)

Dec	Hex	Cha
0	00	NUL
1	01	SOH
2	02	STX
3	03	ETX
4	04	EOT
5	05	ENQ
6	06	ACK
7	07	BEL
8	08	BS
9	09	HT
10	0A	LF
11	0B	VT
12	0C	FF
13	0D	CR
14	0E	SO
15	0F	SI
16	10	DLE
17	11	DC1
18	12	DC2
19	13	DC3

20	14	DC4
21	15	NAK
22	16	SYN
23	17	ETB
24	18	CAN
25	19	EM
26	1A	SUB
27	1B	ESC
28	1C	FS
29	1D	GS
30	1E	RS
31	1F	US

Instructions and examples of partial functional configuration

Example: Setting a custom prefix/suffix

The maximum length of each prefix or suffix is 10 digits, which can be set by scanning the parameter barcodes. (You must enable the custom prefix/suffix by scanning the parameter barcodes.)

Example 1.1

Custom prefix setting "XYZ" for all symbols According to the barcode type ID, "99" is the hexadecimal value for all symbols. According to the visible ASCII character, "58,58,5A" is the hexadecimal value for XYZ.

Steps:

1. Scan "set custom prefix", the scanner will beep twice.

2. Scan the parameter barcodes 9, 9, 5, 8, 5, 9, 5, A. Write down by sequence in the attachment "Data and Digit Barcodes".

Example 1.2

Set a custom "R" prefix for the QR code. According to the Barcode Type ID Table Appendix, 51 is the hexadecimal value for the QR code; According to the appendix Table of visible ASCII characters, 52 is the Hex value for R.

Steps:

1. Scan "set custom prefix"
2. Scan the parameter barcodes 5,1,5,2,Write down by sequence in the attachment "Data and Digit Barcodes".

Example 1.3

Restore custom prefix for QR code

1. Scan "set custom prefix"
2. Scan the barcode of parameter 5,1, write "Data and digit barcodes" in the attachment.