

# User Manual

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2D QR Code Reader

**HD340-RS232**

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## Specifications:

- **Warranty:** 2 years
- **Color:** Black
- **Material:** ABS
- **Light Source:** LED
- **Sensor:** CMOS
- **Resolution:** 644x488
- **Scanning method:** when the code is brought close (automatically)
- **Scan acknowledgement:** beep
- **Scan speed:** 200 scans/second
- **Scanning Angle:** 360 degrees
- **Power supply:** 5V
- **Interface:** RS232, Virtual COM
- **Drop resistance:** up to 1.6 meters
- **Device dimensions:** 8 x 6.8 x 5.3 cm
- **Package dimensions:** 17 x 9 x 6 cm
- **Device weight:** 135 g
- **Package weight:** 170 g
- **ID Readable Codes:** EAN-13, EAN-8, UPC-A, UPC-E, CODE 128, CODE 39, CODE 93, CodaBar, Interleaved 2 of 5 (ITF), Industrial 2 of 5, Matrix 2 of 5, CODE 11, MSI Plessey, RSS-14, RSS-Limited, RSS-Expanded
- **2D Scanned Codes:** QR, DataMatrix, PDF417, Micro QR, HanXin

## Set contents:

- Wired Multidimensional Code Reader
- RS232 cable
- Instruction manual in paper English
- User manual in electronic form in Polish

## Features:

- **Scanning:** when you hold the code (automatically)
- **Scan speed:** 200 scans/second
- **Types of barcodes scanned:** 1D and 2D barcodes (e.g., QR) from printed labels and phone screens
- **Drop resistance:** up to 1.6 meters

## Master codes

Before setting any function, you need to scan the "Entering Configuration Mode" code first, and after setting it, it is necessary to read the "Exit Configuration Mode" code.



Entering Setup Mode



Exiting Setup Mode



Restoring settings

Factory



Save the current configuration as

Default settings



Restore default  
user settings

The device gives you the option to save the settings used as default settings. To do this, scan the code "Save the current configuration as default". After reading the "Restore user default settings" code, you can return to the configuration set by the user.

## Interface settings



USB HID



USB Virtual COM

# Barcode scanning modes



Continuous mode



Auto mode

# Time delay between barcode scans



No delay



500ms



1000ms (Default)



3000 ms



500 ms

Setting the delay time for scanning a repeating barcode



Delay Enabled



Delay Off  
(Default)



Delay on all the time



500ms



1000ms



3000ms



5000ms

## Light signal settings

- **Backlight**



Backlight on during scan



Backlight on

All the time



Backlight

Disabled

- **Led**



LED during

scanning enabled (default)



LED during

scanning disabled

- **Dative**



Enabled



Disabled

## Beep settings



Mute

Enabled



Mute off  
(Default)



Loud beep  
(Default)



Silent signal  
Sound



Sound during  
scanning enabled  
(default)



Sound when scanning  
Disabled



Beep during  
Startup enabled (default)



Beep during  
Startup Disabled

## Scanning reversed codes



Disabled (default)



Enabled

## Setting Prefix and Suffix



Prefix Enabled



Prefix disabled (default)



Setting

Prefix



Suffix On



Suffix disabled (default)



Setting  
Suffix

## Setting End Characters



Trails Off



CR (default)



TAB



CRLF

## Save and cancel settings

**After scanning the numeric or alphanumeric code in Appendix 1, scan the "Save" code to save the settings. By scanning the appropriate code below, you can cancel the setting of one digit, the entire sequence of added digits, and cancel the current settings.**



Save



Cancel the last digit



Canceling the entire string of digits



Canceling current settings

# Appendix 1. Numeric and alphanumeric barcodes



0



1



2



3



4



5



6



7



8



9

A ~ F



A



B



C



D



E



F

## Appendix 2. ASCII character table

00	0	NUL (Null char.)
01	1	SOH (Start of Header)
02	2	STX (Start of Text)
03	3	ETX (End of Text)
04	4	EOT (End of Transmission)
05	5	ENQ (Enquiry)
06	6	ACK (Acknowledgment)
07	7	BEL (Bell)
08	8	BS (Backspace)
09	9	HT (Horizontal Tab)
0a	10	LF (Line Feed)
0b	11	VT (Vertical Tab)
0c	12	FF (Form Feed)
0d	13	CR (Carriage Return)
0e	14	SO (Shift Out)
0f	15	SI (Shift In)
10	16	DLE (Data Link Escape)
11	17	DC1 (XON) (Device Control 1)
12	18	DC2 (Device Control 2)
13	19	DC3 (XOFF) (Device Control 3)
14	20	DC4 (Device Control 4)
15	21	NAK (Negative Acknowledgment)
16	22	SYN (Synchronous Idle)
17	23	ETB (End of Trans. Block)
18	24	CAN (Cancel)

19	25	EM (End of Medium)
1a	26	SUB (Substitute)
1b	27	ESC (Escape)
1c	28	FS (File Separator)
1d	29	GS (Group Separator)
1e	30	RS (Request to Send)
1f	31	US (Unit Separator)
20	32	SP (Space)
21	33	! (Exclamation Mark)
22	34	" (Double Quote)
23	35	# (Number Sign)
24	36	\$ (Dollar Sign)
25	37	% (Percent)
26	38	& (Ampersand)

27	39	` (Single Quote)
28	40	( (Right / Closing Parenthesis)
29	41	) (Right / Closing Parenthesis)
2a	42	* (Asterisk)
2b	43	+ (Plus)
2c	44	, (Comma)
2d	45	- (Minus / Dash)
2e	46	. (Dot)
2f	47	/ (Forward Slash)
30	48	0
31	49	1
32	50	2
33	51	3

34	52	4
35	53	5
36	54	6
37	55	7
38	56	8
39	57	9
3a	58	: (Colon)
3b	59	; (Semi-colon)
3c	60	<(Less Than)
3d	61	= (Equal Sign)
3e	62	>(Greater Than)
3f	63	? (Question Mark)
40	64	@ (AT Symbol)
41	65	A

42	66	B
43	67	C
44	68	D
45	69	E
46	70	F
47	71	G
48	72	H
49	73	I
4a	74	J
4b	75	K
4c	76	L
4d	77	M
4e	78	N

4f	79	O
50	80	P
51	81	Q
52	82	R
53	83	S
54	84	T
55	85	U
56	86	V
57	87	W
58	88	X
59	89	Y
5a	90	Z
5b	91	[ (Left / Opening Bracket)
5c	92	\ (Back Slash)
5d	93	] (Right / Closing Bracket)
5e	94	^ (Caret / Circumflex)
5f	95	_ (Underscore)
60	96	' (Grave Accent)
61	97	a
62	98	b
63	99	c
64	100	d
65	101	e
66	102	f
67	103	g
68	104	h
69	105	i

4f	79	O
50	80	P
51	81	Q
52	82	R
53	83	S
54	84	T
55	85	U
56	86	V
57	87	W
58	88	X
59	89	Y
5a	90	Z
5b	91	[ (Left / Opening Bracket)
5c	92	\ (Back Slash)
5d	93	] (Right / Closing Bracket)

5e	94	^ (Caret / Circumflex)
5f	95	_ (Underscore)
60	96	' (Grave Accent)
61	97	a
62	98	b
63	99	c
64	100	d
65	101	e
66	102	f
67	103	g
68	104	h
69	105	i

6a	106	j
6b	107	k
6c	108	l
6d	109	m
6e	110	n
6f	111	o
70	112	p
71	113	q
72	114	r
73	115	s
74	116	t
75	117	u
76	118	v
77	119	w
78	120	x
79	121	y
7a	122	z
7b	123	{ (Left/ Opening Brace)
7c	124	(Vertical Bar)
7d	125	} (Right/Closing Brace)
7e	126	~ (Tilde)
7f	127	DEL (Delete)