

User Manual

Code Reader

HD-SL36A

Table of contents

Specifications:	4
Set contents:.....	5
Features:	5
Device Installation:	5
Control Codes	6
Prefix settings	6
Suffix setting.....	7
Reverse Code Scan Settings.....	7
Audio settings.....	8
Sound notification when the device starts up.....	8
Sound notification of successful code reading	9
Audible notification of misreading.....	10
Light notifications for successful code reading.....	11
Time limit between scanning the same barcodes	11
Case settings	12
Language settings	13
Broadcast settings.....	16
Setting the Field Length	16
Enable/disable individual barcodes.....	17
Codabar Code	18
Code 11.....	19
Code 39.....	19
Code 39 full ASCII	20
Code 32.....	21
Interleaved Code 2 of 5 (ITF5)	21
Industrial Code 2 of 5.....	23
Code Matrix 2 of 5.....	24
Code 93.....	24
Code 128	25
Code GS1-128.....	25
UPC-A code	25
Converting UPC-A code to EAN-13 code.....	26
UPC-E code.....	26
Convert UPC-E code to UPC-A code.....	27
EAN code/ JAN-8.....	27
EAN code/ JAN-13.....	28
Extra bit for UPC/ EAN/ JAN codes.....	28

Convert EAN13 to ISBN	28
Convert EAN13 to ISSN	29
GSI DataBar Code (RSS14)	29
GSI DataBar Limited Code (Limited)	29
GSI DataBar Expanded Code	30
PDF417 Code.....	30
Micro Code PDF417	30
QR-code	31
Micro QR Code.....	31
DataMatrix Code.....	31
Aztec Code.....	32
ASCII character table	32

Specifications:

- **Warranty:** 2 years
- **Sensor:** CMOS
- **Processor:** 32 bit ARM
- **Resolution:** 640 x 480 px
- **Scanning method:** manual (on the button) / automatically (after the code is brought closer)
- **Interface:** USB, Virtual COM
- **Cord length:** 150 cm
- **Ingress protection:** IP54
- **Device dimensions:** 16.3 x 6.8 x 8 cm
- **Base dimensions:** 10.7 x 8 x 13 cm
- **Package dimensions:** 10.5 x 8 x 24 cm
- **Weight:** 360 g
- **Package weight:** 460 g
- **Operating temperature:** -10 to 50°C
- **Storage temperature:** -20 to 60°C
- **Operating humidity:** 5 to 95%
- **Storage humidity:** 5 to 95%
- **Read 1D codes:** CodaBar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5 (ITF), GS1 DataBar, HongKong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN, Codablock F, microPDF, GS1 Composite
- **Readable 2D codes:** **MaxiCode, DataMatrix (ECC 200), QR Code, microQR, Aztec, HanXin, GoCode**

Set contents:

- Wired Multidimensional Code Reader
- Built-in USB cable for communication with a computer
- Reader stand
- Manual

Features:

- **Scanning:** manual (push-button) / automatic (when the code is touched)
- **Types of codes read:** 1D and 2D barcodes, including QR and Aztec codes, from paper labels and phone screens
- **Ingress protection:** IP54
- **Additional features:** reader stand, prefix and suffix programmable

Device Installation:

- Plug the reader cable into your computer's USB port
- The driver will be installed automatically
- Once the installation is complete, a message will be displayed
- Once you have completed the above steps, your device is ready to go
- The reader will automatically turn off after a long period of inactivity

Control Codes



Factory reset

Prefix settings



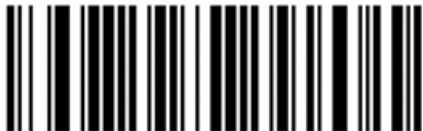
Prefix setting enabled



Prefix setting disabled(default)



Removal of all prefixes set



Setting a user-defined prefix

After scanning the above code, it is possible to set the desired prefix based on the data and barcode found in the ASCII table.

Suffix setting



Suffix setting enabled



Suffix setting disabled (default)



Delete all set Suffixes



User-defined suffix setting

After scanning the "User Defined Suffix Setting" code, it is possible to set the desired suffix based on the data and barcode found in the ASCII table.

Reverse Code Scan Settings

Only for 1D and DataMatrix and Aztec codes



Scan only normal codes (default)



Scan only inverted Codes



Scanning of normal and reversed codes

Audio settings



Soft beep



Loud beep (default)

Sound notification when the device starts up



A beep at the when the device starts off



A beep at the Device startup enabled (default)

Sound notification of successful code reading



Beep after scanning Code Enabled



Beep after Scanned code (default)



Silent beep



Average Signal Volume Audible (default)



Loud beep



Long beep (default)



Short beep

Audible notification of misreading

If the reading fails, the device will emit 4 alarm tones in succession. One alarm signal means that an unrecognized barcode has been scanned.



Silent Alarm Signal (default)



Medium Signal Volume
alarm



Loud beep

Light notifications for successful code reading



Light Notifications



Light Notifications Off Enabled
(Default)

Time limit between scanning the same barcodes

By default, the time interval between the first and second scans of the same barcode is set to 200 ms. To avoid multiple scans of the same barcode, you can set a longer time interval.



300 ms



500 ms



750 ms



1 s



2 sec

Case settings



Standard Case



Reversal (default)



Uppercase



Lowercase

Language settings



English (US)



French



Italian



Italian 142



German



Spanish



Finnish



Japanese



Russian (MS)



Arabic 101



Irish



Polish (214)



Polish (programming)



Dutch



Czech (QWERTZ)



Portuguese



Portuguese (Brazil)



Swedish



Turkish Q



Turkish F



Greek

Broadcast settings



Original barcode data



Transmission of only the initial
field initial



Transmission of an intermediate field



Transmission of the final field

Setting the Field Length



Length Setting



Length Setting

Initial

Remark! The length of the field is configured in bytes using 10-digit data.

Enable/disable individual barcodes



All Barcodes All



Barcodes On Disabled



All Enabled All 1D



Codes Disabled

1D codes



All 2D codes enable



All 2D codes disabled

Codabar Code



On



Off



Sending a start/end character Off (default)



Sending a start/end character Enabled



Minimum Length Limit characters for Codabar code (0~50 bits)



Maximum character length limit for Codabar code (0~50 bits)

Code 11



On



Off (default)

Code 39



On



Off

Code 39 full ASCII



On



Off (default)



Sending a check bit



Sending a check bit disabled enabled



Minimum character length (0~50 bits)



Maximum character length (0~50 bits)

Code 32



On



Off

Interleaved Code 2 of 5 (ITF5)



On



Off



No fixed length characters (4-24)



Fixed length 6 characters



Fixed length 8 characters



Fixed character length 10



Fixed character length 12



Fixed length 14



Fixed length 16



Fixed character length 18



Fixed character length 20



Fixed length of 24 characters



Maximum length (0~50 bits)



Minimum length (0~50 bits)

Industrial Code 2 of 5



On



Off



Minimum length (0~50 bits)



Maximum character length
(0~50 bits)

Code Matrix 2 of 5



On



Off



Minimum character length (0~50 bits)



Maximum characters length (0~50n bits)

Code 93



On



Off



Minimum Length



Maximum Length characters (0~50 bits)

Code 128



On



Off

Code GSI-128



On



Off

UPC-A code



On



Off



Sending the check bit



Control bit sending disabled

Converting UPC-A code to EAN-13 code



Change On



Change Off

(default)

UPC-E code



On



Off



Sending a check bit Sending a check bit



Disabled

Convert UPC-E code to UPC-A code



Swap On



Change Off (default)

EAN code/ JAN-8



On



Off

EAN code/ JAN-13



On



Off

Extra bit for UPC/ EAN/ JAN codes



Ignoring the extra bit



Decoding the extra bit (default) bit



Automatic adjustment of the extra bit

Convert EAN13 to ISBN



On



Off (default)

Convert EAN13 to ISSN



On



Off

GSI DataBar Code (RSS14)



On



Off

GSI DataBar Limited Code (Limited)



On



Off

GSI DataBar Expanded Code



On



Off

PDF417 Code



On



Off

Micro Code PDF417



On



Off

QR-code



On



Off

Micro QR Code



On



Off

DataMatrix Code



On



Off

Aztec Code



On



Off

ASCII character table

Dziesiętny	Szesnastkowy	Znak	Dziesiętny	Szesnastkowy	Znak	Dziesiętny	Szesnastkowy	Znak
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	_			