

# User Manual

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## QR & Barcode Scanner

### HD10D

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## Specification

- **Matrix:** CMOS
- **Processor:** ARM Cortex 32-bit
- **Scanning method:** manually (on the button)/ automatically (after approaching the code)
- **Scan confirmation:** light and sound signal
- **Scanning speed:** 500 times/second
- **Interface:** USB
- **Cord length:** 140 cm
- **Protection level:** IP54
- **Drop resistance:** 2 meters
- **Device dimensions:** 16 x 9.5 x 6.5 cm
- **Package dimensions:** 18.5 x 12 x 8.5 cm
- **Weight:** 300 g
- **Package weight:** 360 g
- **Operating temperature:** -20 – 50°C
- **Storage temperature:** -40 – 60°C
- **Humidity:** 5 to 95%
- **Read 1D codes:** EAN-8, EAN-13, UPC-A, UPC-E, CODE 128, CODE 39, CODE 93, CODE 11, CHINESE 2 of 5, CODABAR, MSI, Interleaved 2 of 5 (ITF), others one-dimensional
- **Readable 2D codes:** QR, DataMatrix, PDF417, Aztec, Microcode

## The set contains:

- 2D Code Reader
- Reader stand
- Built-in USB communication cable
- Manual

## Features:

- Scan 1D and 2D barcodes such as QR codes
- Automatic Scanning of Code Labels
- Stable reader stand
- Ability to scan codes from LCD screens and mobile device displays
- Scanning inverted codes (white code on black background)

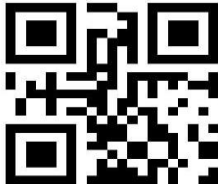
# Default settings



Restore default settings

If the scanner is not working properly for some reason, please scan the code above

## Setting the End Mark



Unsigned



CR



LF+CR



TAB



LF



ETX

## Buzzer Configuration



Sound On



Sound off



Loud sound



Quiet sound

## Barcode Scanning Mode








Continuous mode



Auto Scan Mode

## Case setting

 <p>No change</p>	 <p>Lowercase</p>
 <p>Capital letters</p>	
<p>Reading reversed codes</p>	
 <p>Enabled</p>	 <p>Disabled</p>

## Duplicate Code Scan Settings



Duplicate Detection  
Enabled (automatic mode)



Duplicate Detection Disabled  
(automatic mode)



Delayed Forever  
(automatic mode)



Delayed for 3 seconds  
(automatic mode)



Duplicate Detection Enabled  
(Continuous Mode)



Duplicate Detection Disabled  
(Continuous Mode)



Delayed Forever (Continuous  
mode)



Delayed for 3 seconds  
(continuous mode)



## Interface Configuration



HID Keyboard



USB



TTL 232-9600, NO, 8, 1-Default

## Adding a prefix



Prefix display enabled






Prefix display enabled



Adding a prefix

E.g. the barcode content is "123456789", add X and Y before the barcode (Check the ASCII barcode table, X=58, Y=59), "XY123456789" will appear. Scan the codes below in order: "Prefix Display Enabled", "Add Prefix", Parameter Code "5","8","5","9", "Save Settings".

Add a suffix	
	
Suffix display disabled	Suffix display enabled
 <p style="margin-top: 10px;">Add a suffix</p>	
<p>E.g. the barcode content is "123456789", add X and Y after the barcode (check the ASCII barcode table, X=58, Y=59), "123456789XY" will be displayed. Scan the code below in order: "Display suffix enabled", "Add suffix", "Parameter code"5","8","5","9"&gt;"Save settings"</p>	

## Removal of start and end marks



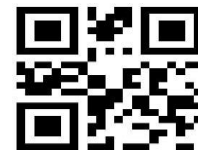
Character Removal Disabled



Character removal enabled



Removing characters before  
code



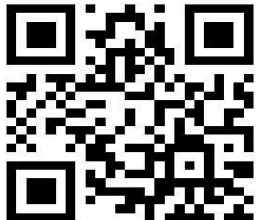



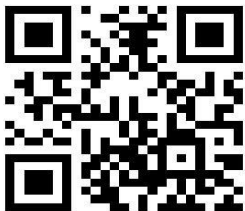


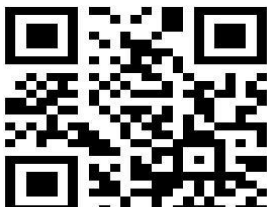
Removing characters behind  
code

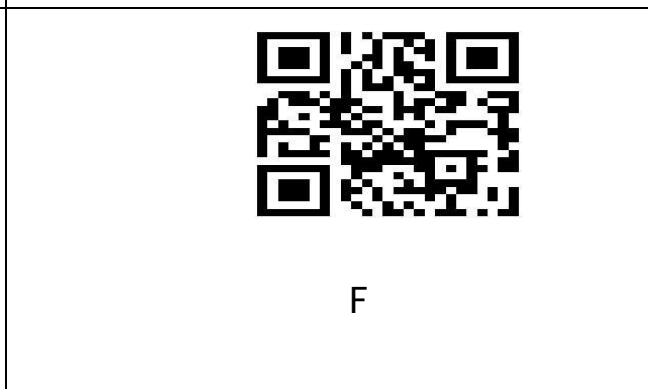
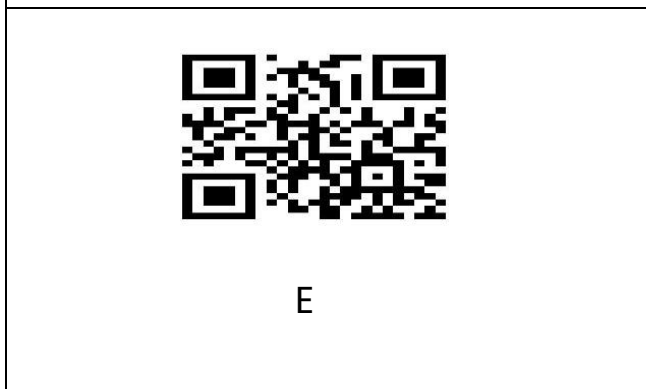
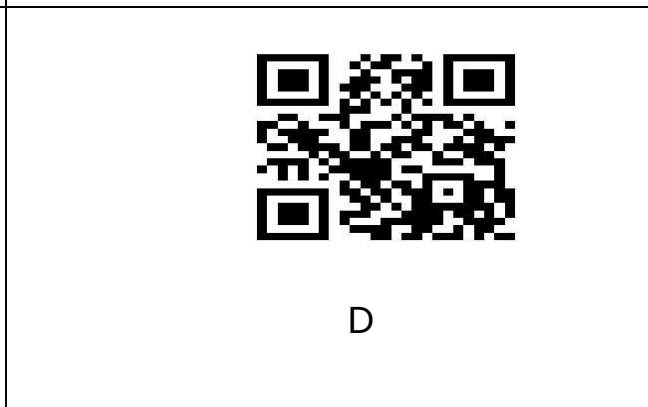
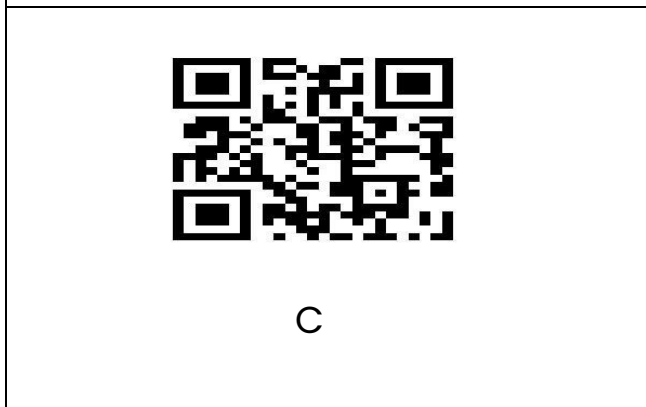
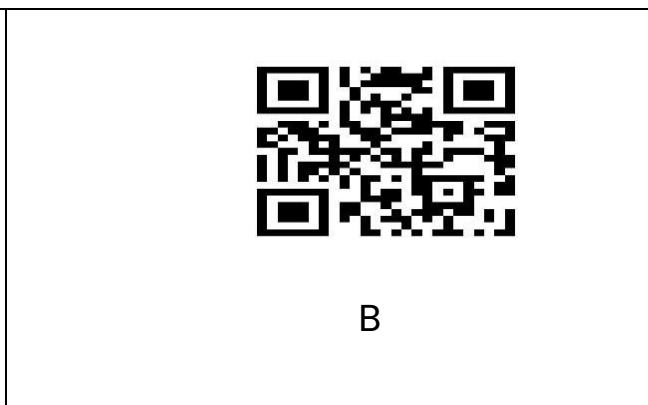
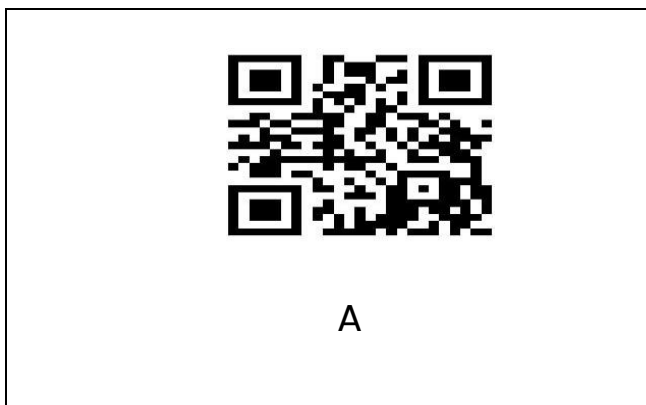
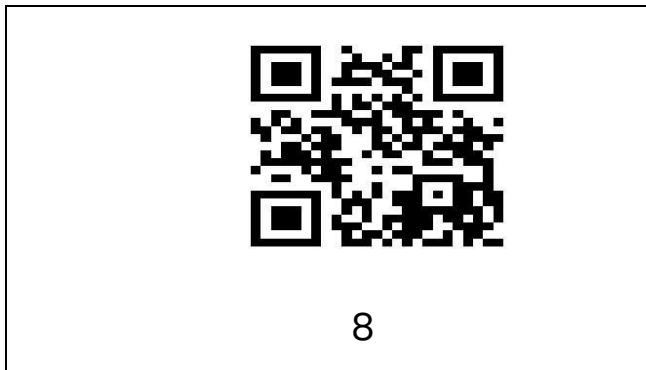
E.g. the barcode content is "123456789", if you want to set the scanner to remove the number 1, "23456789" will appear.

Scan the code below in order:

"Character removal enabled." > "Removing characters before code" > "Parameter code "0"> "Parameter code "1"> "Save settings"

Appendix 1. Numeric and alphabetic codes

 0	 1
 2	 3
 4	 5
 6	 7



# Saving settings



Save settings

## Appendix 2. ASCII Code Table

00	0	NUL	2B	43	+	56	86	V
01	1	SOH	2C	44	,	57	87	W
02	2	STX	2D	45	—	58	88	X
03	3	ETX	2E	46	.	59	89	Y
04	4	EOT	2F	47	/	5A	90	Z
05	5	ENQ	30	48	0	5B	91	[
06	6	ACK	31	49	1	5C	92	\
07	7	BEL	32	50	2	5D	93	]
08	8	BS(Backspac	33	51	3	5E	94	^
09	9	HT(Tab)	34	52	4	5F	95	_
0A	10	LF(CTRL J)	35	53	5	60	96	`
0B	11	VT(CTRLK)	36	54	6	61	97	a
0C	12	FF(CTRL L)	37	55	7	62	98	b
0D	13	CR(Enter)	38	56	8	63	99	c
0E	14	SO(CTRL N)	39	57	9	64	10	d
0F	15	SI(CTRLO)	3A	58	:	65	10	e
10	16	DLE(CTRLP)	3B	59	;	66	10	f
11	17	DC1(CTRL Q)	3C	60	<	67	10	g
12	18	DC2(CTRL R)	3D	61	=	68	10	h
13	19	DC3(CTRL S)	3E	62	>	69	10	i
14	20	DC4(CTRLT)	3F	63	?	6A	10	j
15	21	NAK(CTRL U)	40	64	@	6B	10	k
16	22	SYN(CTRL V)	41	65	A	6C	10	l
17	23	ETB(CTRL W)	42	66	B	6D	10	m
18	24	CAN(CTRL X)	43	67	C	6E	11	n
19	25	EM(CTRL Y)	44	68	D	6F	11	o
1A	26	SUB(CTRL Z)	45	69	E	70	11	p
1B	27	ESC(ESC)	46	70	F	71	11	q
1C	28	FS(CTRL \)	47	71	G	72	11	r
1D	29	GS(CTRL J)	48	72	H	73	11	s
1E	30	RS(CTRL ^)	49	73	I	74	11	t
1F	31	US(CTRL _)	4A	74	J	75	11	u
20	32	(space)	4B	75	K	76	11	v
21	33	!	4C	76	L	77	11	w
22	34	"	4D	77	M	78	12	x
23	35	#	4E	78	N	79	12	y
24	36	\$	4F	79	O	7A	12	z
25	37	%	50	80	P	7B	12	{
26	38	&	51	81	Q	7C	12	
27	39	'	52	82	R	7D	12	}
28	40	(	53	83	S	7E	12	~
29	41	)	54	84	T	7F	12	DEL
2A	42	*	55	85	U			