

Manual

QR code reader with WIFI
and built-in memory

HD7800

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Specifications:





- **Warranty:** 2 years
- **Light Source:** 650nm LED
- **Sensor:** 2D CMOS
- **Scanning method:** manual (push-button)
- **Scan Acknowledgement:** Light and Sound Signal
- **Scan Speed:** 300 scans per second
- **Wireless operating range:** up to 100 meters in open areas
- **Interface:** USB
- **Cord length:** 150 cm
- **Ingress protection:** IP54
- **Device dimensions:** 17 x 7.4 x 10.5 cm
- **Package dimensions:** 21.5 x 10 x 7.5 cm
- **Device weight:** 265 g
- **Weight with packaging:** 350 g
- **ID code reads:** EAN8, EAN13, UPC-A, UPC-E, CODE 128, CODE 39, CODE 93, CODE 11, GSI-DATAE, INDUS 2 of 5, IATA 2 of 5, MATRIX 2 of 5, CHINESE 2 of 5, CODABAR, MSI, other one-dimensional
- **Readable 2D codes:** PDF417, Micro PDF417, MaxiCode, DataMatrix, QR Code, microQR, Aztec

Set contents:

- Wireless Code Reader
- USB charging cable
- USB Receiver
- Manual

Master Control Codes

Remark! Before setting each function, each time you need to scan the "**Go to Configuration Mode**" code, then the code corresponding to the selected setting, and finally scan the "**Exit Setup Mode**" code.

 Entering Setup Mode	 Exiting Setup Mode
 Restoring wireless network parameters	 View version information

Setting custom defaults


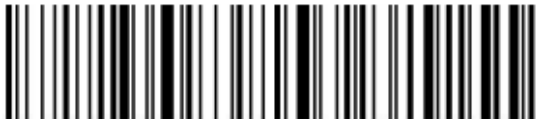


With custom default settings, wireless parameter values can be set to the required functions. First, you need to scan the "Entering Setting Mode" code, then scan the required wireless parameter function, and finally the "Exit Setting Mode" barcode.



Set custom defaults

Wireless settings

First, run the scanner and scan "**Entering Configuration Mode**". Then scan the appropriate barcode symbolizing the selected type of wireless communication. After selecting the type of communication, you need to scan the "**Pairing with receiver**" code. At the end of each operation, scan the "**Exit Setup Mode**" code.

 Entering Setup Mode	 2.4G mode (radio communication)
 Pairing with the receiver	 Exiting Setup Mode

Device sleep settings

The device allows you to set the reader to sleep automatically. To do this, scan the barcode below.



Device sleep

View the reader's battery status



Battery level

Modes of sending scanned codes

The reader has two operating modes: real mode and storage mode.

Real-world mode

In this mode, the scanned codes are sent directly to the target device as soon as they are correctly read.



Real-world mode

Storage mode

In storage mode, scanned barcodes are stored in the onboard memory for later transfer to the target device.



Storage mode

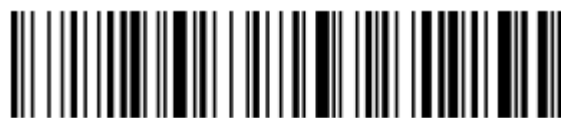
Processing of stored data



Transferring data to the target device







Display of the total number of stored codes



Delete all saved data

Transfer speed setting

First, you need to scan the "**Go into Setup Mode**" code, and then scan the corresponding code with the selected bitrate.

	
High speed	Average speed
	
Slow speed	Very slow speed









Finally, you should scan the "Exit Setup Mode" code.

Beep settings

	
Beep off	Low sound volume

 <p>Medium sound volume</p>	 <p>High audio volume (default)</p>
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Sleep mode settings

 <p>Sleep state after 30 seconds</p>	 <p>Sleep state after 1 minute</p>
 <p>Sleep state after 2 minutes</p>	 <p>Sleep state after 5 minutes</p>
 <p>Sleep state after 10 minutes</p>	 <p>Sleep state after 30 minutes</p>
 <p>Sleep off</p>	 <p>Instant Sleep</p>

Setting End Characters



Add CR (default)



Adding LF



Addition of CR + LF






Adding a TAB



Trails Off

Case settings

 Lowercase	 Capitalization
 No character conversion (default)	

Adding a prefix and suffix

It is possible to set a prefix and suffix containing up to 32 bits.

 Adding a prefix
 Adding a suffix



To add a prefix or suffix:

- Scan the **"Enter Setup Mode"** code.
- Then scan the code **"Adding prefix"** or **"Adding suffix"**
- Select the appropriate code from the character table and scan it

- Finally, you should scan the "**Exit Configuration Mode**" code

Setting hidden characters

It is possible to hide up to 4 beginning and ending characters of the barcode. First, choose whether to hide the beginning or end characters and scan the appropriate code. Then scan the barcode with the selected number of characters to hide.

 Hiding leading characters	 Hiding trailing characters
 Hide 1 character	 Hide 2 characters
 Hide 3 characters	 Hide 4 characters

Description of light and sound signal

Light Signal:




- **Left blue LED:** flashes briefly when scanning
- **Right Blue LED:** Successful Wireless Connection
- **Red LED: Charging** the device
- **Left LED flashes quickly:** Reader paired via 2.4G mode

Beep:

- **Long beep:** On/off the device
- **Short beep (low frequency):** barcode scanning or successful wireless connection
- **Three short beeps (low frequency):** Wireless connection failure
- **Five short beeps and scan stop (low frequency):** battery low
- **Two short beeps (low frequency):** wireless disconnected
- **Two short beeps (high frequency):** configuration code scan failure


Appendix 1. Character list

Character Code **ID Code** **2D**

1	SOH	 %%01	 %%01
2	^B	 %%02	 %%02
3	^C	 %%03	 %%03
4	EOT	 %%04	 %%04
5	ENQ	 %%05	 %%05
6	ACK	 %%06	 %%06
7	BEL	 %%07	 %%07

8	Back Space	 %%08	 %%08
9	Tab	 %%09	 %%09
10	LF	 %%0A	 %%0A
11	VT	 %%0B	 %%0B
12	FF	 %%0C	 %%0C
13	CR	 %%0D	 %%0D
14	F1	 %%0E	 %%0E
15	F2	 %%0F	 %%0F
16	F3	 %%10	 %%10

17	F4	 %%11	 %11
18	F5	 %%12	 %12
19	F6	 %%13	 %13
20	F7	 %%14	 %14
21	F8	 %%15	 %15
22	F9	 %%16	 %16
23	F10	 %%17	 %17
24	F11	 %%18	 %18
25	F12	 %%19	 %19

26	SUB	 %%1A	 %%1A
27	Esc	 %%1B	 %%1B
28	Right Arrow	 %%1C	 %%1C
29	Left Arrow	 %%1D	 %%1D
30	Up Arrow	 %%1E	 %%1E
31	Down Arrow	 %%1F	 %%1F
32	空格	 %%20	 %%20
33	!	 %%21	 %%21
34	"	 %%22	 %%22

35	#	%%23	%%23
36	\$	%%24	%%24
37	%	%%25	%%25
38	&	%%26	%%26
39	'	%%27	%%27
40	(	%%28	%%28
41	)	%%29	%%29
42	*	%%2A	%%2A
43	+	%%2B	%%2B

44	,	 %%2C	 %%2C
45	-	 %%2D	 %%2D
46	.	 %%2E	 %%2E
47	/	 %%2F	 %%2F
48	0	 %%30	 %%30
49	1	 %%31	 %%31
50	2	 %%32	 %%32
51	3	 %%33	 %%33
52	4	 %%34	 %%34

53	5	 %%35	 %%35
54	6	 %%36	 %%36
55	7	 %%37	 %%37
56	8	 %%38	 %%38
57	9	 %%39	 %%39
58	:	 %%3A	 %%3A
59	;	 %%3B	 %%3B
60	<	 %%3C	 %%3C
61	=	 %%3D	 %%3D

62	>	 %%3E	 %%3E
63	?	 %%3F	 %%3F
64	@	 %%40	 %%40
65	A	 %%41	 %%41
66	B	 %%42	 %%42
67	C	 %%43	 %%43
68	D	 %%44	 %%44
69	E	 %%45	 %%45
70	F	 %%46	 %%46

71	G	 %%47	 %%47
72	H	 %%48	 %%48
73	I	 %%49	 %%49
74	J	 %%4A	 %%4A
75	K	 %%4B	 %%4B
76	L	 %%4C	 %%4C
77	M	 %%4D	 %%4D
78	N	 %%4E	 %%4E
79	O	 %%4F	 %%4F

80	P	 %%50	 %%50
81	Q	 %%51	 %%51
82	R	 %%52	 %%52
83	S	 %%53	 %%53
84	T	 %%54	 %%54
85	U	 %%55	 %%55
86	V	 %%56	 %%56
87	W	 %%57	 %%57
88	X	 %%58	 %%58

89	Y	 %%59	 %%59
90	Z	 %%5A	 %%5A
91	[	%%5B	 %%5B
92	\	 %%5C	 %%5C
93	]	%%5D	 %%5D
94	^	 %%5E	 %%5E
95	-	 %%5F	 %%5F
96	,	 %%60	 %%60
97	a	 %%61	 %%61

89	Y	 %%59	 %%59
90	Z	 %%5A	 %%5A
91	[	%%5B	 %%5B
92	\	 %%5C	 %%5C
93	]	%%5D	 %%5D
94	^	 %%5E	 %%5E
95	-	 %%5F	 %%5F
96	,	 %%60	 %%60
97	a	 %%61	 %%61

98	b	 %%62	 %%62
99	c	 %%63	 %%63
100	d	 %%64	 %%64
101	e	 %%65	 %%65
102	f	 %%66	 %%66
103	g	 %%67	 %%67
104	h	 %%68	 %%68
105	i	 %%69	 %%69
106	j	 %%6A	 %%6A

107	k	 %%6B	 %%6B
108	l	 %%6C	 %%6C
109	m	 %%6D	 %%6D
110	n	 %%6E	 %%6E
111	o	 %%6F	 %%6F
112	p	 %%70	 %%70
113	q	 %%71	 %%71
114	r	 %%72	 %%72
115	s	 %%73	 %%73

116	t	 %%74	 %%74
117	u	 %%75	 %%75
118	v	 %%76	 %%76
119	w	 %%77	 %%77
120	x	 %%78	 %%78
121	y	 %%79	 %%79
122	z	 %%7A	 %%7A
123	{	 %%7B	 %%7B
124	|	%%7C	 %%7C

125	}	 %%7D	 %7D
126	~	 %%7E	 %7E
127	DEL	 %%7F	 %7F