User Manual

Wireless code reader
with docking station

HD8600

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Specifications:

- **Warranty:** 2 years
- **Sensor:** CMOS
- **Scanning method:** manual (push-button)
- **Scan confirmation:** LED and beep
- **Internal memory capacity:** up to 20,000 code reads
- **Reading Angle:** +/-60° (Normal, Inverted)
- **Readability Accuracy:** 0.076 mm
- **Charging Time:** 4.5 hours
- **Working Time:** 16 hours
- **Battery Capacity:** 2000mAh
- **Drop resistance:** 1.5 m
- **Interface:** USB, Virtual COM, 2.4G, Bluetooth
- **Compatible operating systems:** Windows, Mac OS, IOS, Linux, Unix, Android
- **Cable length:** 180 cm
- **Operating temperature:** 0 - 50°C
- **Storage temperature:** -20 - 60°C
- **Operating Humidity:** 5% to 95%
- **Storage Humidity:** 5% to 95%
- **Device dimensions:** 17 x 7 x 8 cm
- **Package dimensions:** 23 x 13.5 x 10 cm
- **Set weight:** 390 g
- **Weight with packaging:** 565 g
- **1D code reads:** EAN-8, EAN-13, UPC-A, UPC-E, CODE 128, CODE 39, CODE 93, CODE 11, GS1-DATAE, INDUS 2 of 5, IATA 2 of 5, MATRIX 2 of 5, CHINESE 2 of 5, CODABAR, MSI, Interleaved 2 of 5 (ITF), other one-dimensional
- **Readable 2D codes:** QR Code, Micro QR Code, Data Matrix, PDF417, Micro PDF 417, MaxiCode, Aztec, HanXin Code

Set contents:

- Wireless code reader,
- Dock
- USB cable,
- Manual.

Features:

- **Scanning**: manual (push-button)
- **Wireless Communication**: 2.4G, Bluetooth
- **Internal memory capacity**: up to 20,000 code reads
- **Additional features**: docking station, programmable prefix and suffix, memory mode

Factory default settings

Recommendations

You can use factory settings in the following situations:

1. The scanner settings are incorrect, such as barcodes that cannot be recognized.

2. You forgot what settings you made in the scanner and don't want to use the previous settings.

3. Some rare features have been set and I don't want to use them anymore.

Sound

- High

%%SpecCode97

- Medium

%%SpecCode96

%%SpecCode96

- Low

%%SpecCode95

%%SpecCode95

- Lack

%%SpecCode94

%%SpecCode94

Battery level

Sleep

- After 30 seconds

- After 1 minute

- After 2 minutes

- After 5 minutes

- Duration: 10 minutes

- Duration: 30 minutes

- Never

Wireless operation mode

The cordless scanner has two different operating modes: instant data transfer mode and storage mode. The operating mode is switched by configuration codes.

Instant upload mode

Instant transfer mode is also called normal mode. In this mode, the scanned barcodes will be immediately transferred to the host device.

Storage Mode

The storage mode is also called counting mode or warehouse mode. In storage mode, the scanner does not transmit scanned barcodes directly to the host device, but stores them in memory. If you want to check or clear stored barcodes, see Checking your data. When the scanner is turned off, stored barcodes will not be lost unless the "Clear all stored barcodes" configuration code is scanned.

Data transfer

To transfer data stored in memory, scan the "Transfer All Codes" barcode to transfer the data to computers or mobile devices. In any mode, the data stored in the memory will not be deleted after the data is successfully transferred unless the "Clear All Codes" option is scanned.

%%SpecCode16

Total number of files uploaded

If you want to print the total number of barcodes scanned, please scan the barcode below.

%%SpecCode17

Clear all codes

Scan "Clear All Codes" to clear the data stored in the scanner's memory.

Note: This operation will clear all saved data.

%%SpecCode18

Communication setting

This scanner can not only support wireless communication, but also supports wired communication. When the scanner is connected to the scanner, the scanner will automatically switch to wired transmission.

USB-COM connector

The USB Virtual Serial Port supports 2.4G mode wireless virtual serial port and USB wired virtual serial port, whether you use wired or wireless virtual serial port, you need to install a virtual serial port driver.

2.4G wireless mode

It is suitable for devices that can be connected to a 2.4G receiver and can directly use text output, which is equivalent to USB keyboard input.

Virtual Bluetooth Mode

Virtual Bluetooth is suitable for connecting to a host without Bluetooth and does not require installing a Bluetooth driver. When using Bluetooth virtual mode, you must use a dedicated virtual Bluetooth receiver.

Wireless Pairing

Pairing 2.4

Compatible with XP, Win7, Win8, Win10, MAC OS and so on.

Step 1: Scan the "2.4G Wireless Mode" Setup Code

When setting the wireless mode, 2.4G will prioritize the connection to the last paired receiver by default.

Step 2: Scan the setup code to enter the pairing state, and the blue LED1 will flash rapidly.

Step 3: Plug in the receiver, you will hear a beep to indicate that the connection and pairing is successful. The blue LED2 is always on.

Bluetooth Pairing

Compatible with XP, Win7, Win8, Win10, MAC OS and so on.

Step 1: Scan the "Virtual Bluetooth Mode" Setup Code

When setting the virtual bluetooth mode, the virtual bluetooth receiver paired recently will be connected first by default.

Step 2: Scan the "Forced Pairing" setup code to enter the pairing state, and the blue LED1 will flash rapidly.

Step 3: Plug in the receiver and you will hear a beep to indicate that the connection and pairing are successful. The blue LED2 is always on.

Case conversion

By setting the case conversion function in the scanner, you can convert English letters of the scanner output.

For example: The barcode content is aBC123, scan "Lower", the data obtained by the host will be "abc123". The default value is Normal.

- Normal

- Upper

- Lower

- Inverse

Custom Prefix/Suffix

Add a custom prefix

Step 1: Scan the setup code

%%SpecCode9A

Step 2: Scan the configuration code that corresponds to the custom prefix from the ASCII code character table.

Example:

The original barcode is "ABC123", add the custom "789" and exit "789ABC123"

Step 1: Scan the "Add custom prefix" setting code;

Step 2: According to the content to be added, query the "ASCII Code Character Table" and scan the setting codes corresponding to "7", "8" and "9".

Clear custom prefix

Refer to Add a custom prefix setting and follow the steps below to remove a custom prefix.

Step 1: Scan the "Add Custom Prefix" configuration code;

Step 2: Scan the "Exit Setting Mode" configuration code in "Add-on-Enter/Exit Setting";

Or you can directly scan and restore factory values to clean up custom prefixes.

Add a custom suffix

Step 1: Scan the setup code

Step 2: Scan the configuration code that corresponds to the custom prefix from the ASCII code character table.

Example:

The original barcode is "ABC123", add the custom "XYZ" and exit "ABC123XYZ"

Step 1: Scan the "Add Custom Suffix" configuration code;

Step 2: According to the content to be added, query the "ASCII code character table" and scan the configuration codes corresponding to "X", "Y" and "Z";

Clear custom suffix

Refer to the setting for adding a custom suffix and follow the steps below to clear the custom suffix.

Step 1: Scan the "Add Custom Suffix" configuration code.

Step 2: Scan the "Exit Setting Mode" configuration code in "Add-on-Enter/Exit Settings".

Or you can directly scan and restore the factory default settings to clear custom suffixes.

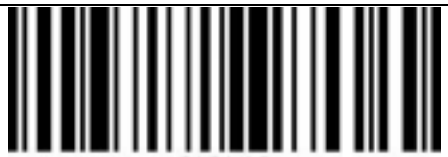
Understanding sounds

One long tone (first low, then high)	Indicates that the power is on
One long tone (first high, then low)	Indicates that the power is off
One short tone (low frequency)	Indicates that a normal barcode was scanned, pairing was successful, or the wireless connection was successful.
One short tone (first low, then high)	Indicates that the scanned data is stored in the storage area
One short tone (first high, then low)	Indicates that the installation code has been scanned
Three short tones (low frequency)	Indicates that the wireless transmission has failed or the buffer is full
Five short tones (low frequency)	Indicates that it needs to be charged
Two short tones (low frequency)	Indicates wireless disconnection
Two short tones (high frequency)	Indicates that the scanned configuration code is not working

ASCII code character table

Hexadecimal system	ASCII	character	1D Configuration Code	2D Configuration Code
01	01	SOH		

02	02	STX (STX Library	 %%02	 %02
03	03	ETX (ETX Currency	 %%03	 %03
04	04	EOT	 %%04	 %01
05	05	QUESTION	 %%05	 %05
06	06	ACK	 %%06	 %06
07	07	BEL	 %%07	 %07
08	08	B	 %%08	 %08
09	09	HT	 %%09	 %09
0A	10	LF	 %%0A	 %0A

0 billion	11	VT		
0C	12	FF		
0D	13	CR		
0E	14	S0		
0F	15	S1		
10	16	DLE		
11	17	DC DC1		
12	18	Prąd stały DC2		
13	19	Prąd stały DC3		

14	20	Prąd stały DC4		
15	21	NAK		
16	22	SON		
17	23	TB		
18	24	CAN		
19	25	EM		
1A	26	SUB		
1B	27	Esc		
1C	28	FS		

1D resolution	29	GS		
1E	30	RS		
1F	31	US		
20	32	SP		
21	33	!		
22	34	"		
23	35	#		
24	36	$		
25	37	%		

26	38	&		
27	39	`		
28	40	(		
29	41	)		
2A	42	*		
2 billion	43	+		
2C	44	,		
2D	45	-		
2E	46	.		

2F	47	/		
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	:		
3 billion	59	;		
3C	60	<		
3D	61	=		
3E	62	>		
3F	63	?		
40	64	@		

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		
4 billion	75	K		
4C	76	L		
4D resolution	77	M		
4E	78	N		
4F	79	About		
50	80	P		
51	81	Q		
52	82	R		

53	83	S		
54	84	T		
55	85	At		
56	86	V		
57	87	In		
58	88	X		
59	89	Y		
5A	90	With		
5 billion	91	[		

5 degrees Celsius	92	\		
5D resolution	93	]		
5E	94	^		
5F	95	_		
60	96	'		
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		
6 billion	107	k		
6C	108	l		
6D	109	m		

6E	110	n		
6F	111	about		
70	112	p		
71	113	q		
72	114	r		
73	115	s		
74	116	t		
75	117	at		
76	118	v		

77	119	in		
78	120	x		
79	121	y		
7A	122	with		
7 billion	123	{		
7C	124	|		
7D	125	}		
7E	126	~		
7F	127	DEL		

See the C7 material	199	Ç		
E7	231	ç