

User Manual

Code reader

HD580

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Specifications:

- **Warranty:** 2 years
- **Light Source:** 617nm CMOS LED
- **Scanning method:** manual (on the button) / automatically (after bringing the code closer)
- **Scan confirmation:** light and sound
- **Interface:** USB, Virtual COM-USB
- **Cable length:** 170 cm
- **Device dimensions:** 16.5 x 8.5 x 7 cm
- **Receiver dimensions:** 2 x 1.5 x 0.6 cm
- **Package dimensions:** 16.5 x 10 x 8 cm
- **Reader weight:** 175 g
- **Weight with packaging:** 240 g
- **Operating Temperature:** -20~50°C
- **Storage Temperature:** -40~70°C
- **ID code readable:** UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5 (ITF), Matrix 2 of 5, Standard 2 of 5, Coda bar, MSI Plessey, GSI, China Post, Databar(RSS), Korea, NEC 2 of 5, other one-dimensional
- **Readable 2D codes:** QR Code, Data Matrix, PDF417, Aztec, Maxicode

Set contents:

- Wired 1D/2D Code Reader
- USB Communication Cable
- Original manufacturer's user manual

Features:

- **Scanning:** manual (push-on) / automatic (when the code is brought closer)
- **Types of barcodes scanned:** 1D, 2D barcodes (e.g. QR) from paper labels and from the phone screen and LCD and LED/OLED
- **Scan confirmation:** light and sound
- **Available interfaces:** USB, Virtual COM-USB
- **Additional features:** Setting any character as prefix and suffix, Virtual COM function

Factory reset



Factory Setting

Setting the suffix



TAB



LF+CR



CR



Suffix Off



CR + CR

Barcode scanning mode



Manual mode



Continuous mode



Auto mode

Case settings



Normal case



Uppercase letters only



Lowercase only

Beep settings



High beep volume
(Default)



Average beep volume



Low beep volume



Beep off

- After scanning the "Beep off" code, you need to scan the "Factory Reset" code to turn the sound back on.

Interface settings



USB KBW



USB COM



TTL 232-9600

Setting the reading delay for the same barcode

- It is possible to set the time in which the scanner should not scan again the same barcode that has already been read once.



Delay Off



Delay for 1 second



Delay for 3 seconds



Delay for 5 seconds



Delay for 7 seconds



Delay on all the time

Barcode settings

- Scanning ID codes



Enabled



Disabled

- 2D Code Scanning



Enabled



Disabled

Scanning reversed codes



1D



QR



Data Matrix



PDF417

Keyboard Type Setting



Standard keyboard



Virtual Keyboard

Hide characters in a barcode

- Hiding leading characters



Disabled



Enabled



Hiding leading characters

- To hide the initial characters of the barcode, you must first scan the "On" code that activates character hiding. Then read the code "Hiding initial characters". Finally, you need to scan the appropriate numerical code, defining the number of digits to hide.

Example: The barcode is "123456789". The first two digits are to be hidden. In this case, scan the code "0", "0", "2". The barcode will appear as "3456789" when it is scanned again.

- Hiding trailing characters



Disabled



Enabled



Hiding trailing characters

- In order to hide the trailing characters of the barcode, first scan the "Enabled" code, which activates character hiding. Then read the code "Hiding trailing characters" and finally scan the appropriate numeric code, defining the number of digits to hide.

Example: The code is "123456789". The last two signs are to be hidden. To do this, scan the code "0", "0", "2". The code will be in the form of "1234567".

Set Prefix and Suffix



Adding a prefix



Add a suffix



Completing the settings



Output settings

- In order to set a prefix or suffix, first scan the "Add prefix" or "Add suffix" code. Then read the appropriate codes from Annexes 1 and 3, which are to be used as a suffix. To complete the process of adding a prefix/suffix, it is necessary to scan the code "Finish Settings" and finally "Output Settings".

Example: The code is "123456789". The suffix is to be the B1 sign. To do this, scan the codes "1", "0", "6", "6", "1", "0", "4", "9" from attachment number 1. (In addition, the number 3 character B has the value 1066 and the character 1 has the value 1049)

Attachment 2. Barcode ID

Code sign	Code type
A	UPC-A, UPC-E, EAN-8, EAN-13
B	Code 39, Code 32
C	Codabar
D	Code 128, ISBT 128
E	Code 93
F	Interleaved 2 of 5/ITF, ITF14
G	Industrial 2 of 5, Standard 2 of 5
H	CODE11
J	MSI, MSI/Plessey
K	UCC/EAN-128/GS1-128
L	Bookland EAN/ISBN, ISSN
R	GS1 DataBar-14, GS1 DataBar Limited,
V	Matrix 25
r	PDF417
u	DataMatrix(DM)
q	QR
a	Aztec Code
x	Maxi Code
c	HanXin

Appendix 3. Tags for setting Prefix and Suffix

Scanning value	Hex value	Function keys	CTRL key combination
1000	00h	Null	CTRL 2
1001	01h	Keypad Enter	CTRL A
1002	02h	Caps lock	CTRL B
1003	03h	Right Arrow	CTRL C
1004	04h	Up Arrow	CTRL D
1005	05h	Null	CTRL E
1006	06h	Null	CTRL F
1007	07h	Enter	CTRL G
1008	08h	Left Arrow	CTRL H
1009	09h	Horizontal Tab	CTRL I
1010	0Ah	Down Arrow	CTRL J
1011	0Bh	Vertical Tab	CTRL K
1012	0Ch	Backspace	CTRL L
1013	0Dh	Enter	CTRL M
1014	0Eh	Insert	CTRL N
1015	0Fh	Esc	CTRL O
1016	10h	F11	CTRL P
1017	11h	Home	CTRL Q
1018	12h	Print Screen	CTRL R
1019	13h	Delete	CTRL S
1020	14h	tab+shift	CTRL T
1021	15h	F12	CTRL U
1022	16h	F1	CTRL V
1023	17h	F2	CTRL W
1024	18h	F3	CTRL X
1025	19h	F4	CTRL Y
1026	1Ah	F5	CTRL Z
1027	1Bh	F6	CTRL [
1028	1Ch	F7	CTRL \

1029	1Dh	F8	CTRL]
1030	1Eh	F9	CTRL 6
1031	1Fh	F10	CTRL -
1032	20h	Space	Space
1033	21h	/A	!
1034	22h	/B	'
1035	23h	/C	#
1036	24h	/D	\$
1037	25h	/E	%
1038	26h	/F	&
1039	27h	/G	'
1040	28h	/H	(
1041	29h	/I)
1042	2Ah	/J	*
1043	2Bh	/K	+
1044	2Ch	/L	,
1045	2Dh	-	-
1046	2Eh	.	.
1047	2Fh	/	/
1048	30h	0	0
1049	31h	1	1
1050	32h	2	2
1051	33h	3	3
1052	34h	4	4
1053	35h	5	5
1054	36h	6	6
1055	37h	7	7
1056	38h	8	8
1057	39h	9	9
1058	3Ah	/Z	:
1059	3Bh	%F	;
1060	3Ch	%G	<
1061	3Dh	%H	=
1062	3Eh	%I	>

1063	3Fh	%J	?
1064	40h	%V	@
1065	41h	A	A
1066	42h	B	B
1067	43h	C	C
1068	44h	D	D
1069	45h	E	E
1070	46h	F	F
1071	47h	G	G
1072	48h	H	H
1073	49h	I	I
1074	4Ah	J	J
1075	4Bh	K	K
1076	4Ch	L	L
1077	4Dh	M	M
1078	4Eh	N	N
1079	4Fh	O	O
1080	50h	P	P
1081	51h	Q	Q
1082	52h	R	R
1083	53h	S	S
1084	54h	T	T
1085	55h	U	U
1086	56h	V	V
1087	57h	W	W
1088	58h	X	X
1089	59h	Y	Y
1090	5Ah	Z	Z
1091	5Bh	%K	[
1092	5Ch	%L	\
1093	5Dh	%M]
1094	5Eh	%N	^
1095	5Fh	%O	_
1096	60h	%W	'

1097	61h	+A	a
1098	62h	+B	b
1099	63h	+C	c
1100	64h	+D	d
1101	65h	+E	e
1102	66h	+F	f
1103	67h	+G	g
1104	68h	+H	h
1105	69h	+I	i
1106	6Ah	+J	j
1107	6Bh	+K	k
1108	6Ch	+L	l
1109	6Dh	+M	m
1110	6Eh	+N	n
1111	6Fh	+O	o
1112	70h	+P	p
1113	71h	+Q	q
1114	72h	+R	r
1115	73h	+S	s
1116	74h	+T	t
1117	75h	+U	u
1118	76h	+V	v
1119	77h	+W	w
1120	78h	+X	x
1121	79h	+Y	y
1122	7Ah	+Z	z
1123	7Bh	%P	{
1124	7Ch	%Q	
1125	7Dh	%R	}
1126	7Eh	%S	~
1127	7Fh		Undefined