

User Manual

Code reader

HD580

Table of contents

- Specifications:1
- Set contents:.....2
- Features: 3
- Factory reset..... 4
- Setting the suffix..... 5
- Barcode scanning mode 6
- Case settings7
- Beep settings..... 8
- Interface settings 9
- Setting the reading delay for the same barcode10
- Barcode settings12
- Scanning reversed codes13
- Keyboard Type Setting14
- Hide characters in a barcode.....15
- Set Prefix and Suffix.....17
- Attachment 2. Barcode ID.....16
- Appendix 3. Tags for setting Prefix and Suffix17

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 |