Manual

AZTEC QR Code Reader with WIFI and Bluetooth

HD-SL95

HDWR
Hardware for business

Table of contents

Specifications:

- **Warranty:** 2 years
- **Material:** ABS + PC
- **Light Source:** 610-650nm LED
- **Sensor:** CMOS
- **Processor:** 32-bit ARM
- **Scanning method:** manual (on the button) / automatically (after bringing the code closer)
- **Scan Acknowledgement:** Light and Sound Signal
- **Scan Speed:** 60 fps
- **Wireless Communication:** 2.4G, Bluetooth
- **Battery Capacity:** 2300mAh
- **Voltage:** DC 5V
- **Working Current:** 250mAh
- **Charging time:** 4.5 hours
- **Standby Time:** 6 months
- **Working Time:** 16 hours
- **Interface:** USB
- **Cooperation with fiscal cash registers:** Novitus Santo Lan E
- **Supported interfaces:** USB, PS/2, RS-232, IBM46xx
- **Ingress protection:** IP54
- **Drop resistance:** 1.5 m
- **Device dimensions:** 16.3 x 6.8 x 8 cm
- **Package dimensions:** 19 x 9.5 x 7.5 cm
- **Device weight:** 225 g
- **Weight of the device with packaging:** 320 g
- **Operating temperature:** 0° to 50°C
- **Storage Temperature:** -40° to 70°C
- **Operating Humidity:** 5 to 95%
- **1D Readable Codes:** Codabar, Code 11, Code 39, Code 32, Interleaved 2 of 5 (ITF), Industrial 2 of 5, Matrix 2 of 5, Code

93, Code 128, GS1-128, UPC-A, UPC-E, EAN-8, EAN-13, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded
- **Readable 2D codes:** PDF417, Micro PDF417, QR, micro QR, Datamatrix, Aztec

Set contents:

- HD-SL95 Wireless Code Reader
- USB cable
- USB Receiver
- Manual

Control codes - reader settings

 Software version	 Restore to settings Factory

Data Transfer Modes

 Real-world mode **Remark!** The scanned codes will be transferred immediately to the target device.	 Storage mode **Remark!** Scanned codes will be saved in the built-in memory.
 Automatic storage mode **Remark!** When the device is out of wireless range, the scanned codes will be automatically stored in the built-in memory.	

Wireless communication modes

 Enable 2.4G Radio Mode (Default)	 2.4G Radio Pairing
 Enable Bluetooth HID mode	 Bluetooth HID Pairing
 Bluetooth BLE mode To use this function, you need to download the Bluetooth BLE transmission software.	 Bluetooth SPP mode To use this function, you need to download the Bluetooth SPP transmission software

Remark! In order to pair the scanner with a new device, you need to scan the "Bluetooth HID pairing" code.

Interface settings

 USB-HID	 USB Virtual COM

Special character settings

Setting the keys Function	Setting characters with ASCII table

Storage mode

Deleting saved in data memory	Amount of data stored
Transfer of saved data	

Beep settings

Mute	High signal volume (default)

Average signal volume	Low signal volume

Sleep mode settings

Sleep mode off	Instant Sleep
Sleep mode after 10 sec	Sleep mode after 30 sec
Sleep mode after 1 minute	Sleep mode after 2 minutes
Sleep mode after 5 minutes	Sleep mode after 10 minutes
Sleep mode after 30 minutes	

Remark! To put the reader into sleep mode, hold the button for about 8 seconds until a beep sounds. When you release the button, the scanner will go into sleep mode.

Case conversion

 Normal case (default)	 Uppercase letters
 Lowercase	 Inversion

Reverse Code Scanning Setting

 Normal Code	 Inversion (reverse code)
 Scan normal and reverse codes	

Selection of barcode types

Enable/disable all code types

Remark! Enabling all types of barcodes will reduce the encoding speed. We recommend that you enable individual codes as needed. By default, all codes are enabled.

 Scan all codes on	 Scanning all codes disabled

Enable/disable all types of 1D codes

 Scanning of all types of 1D codes enabled	 Disabled scanning of all types of 1D codes

Enable/disable all types of 2D codes

 Scanning of all types of 2D codes enabled	 Disabled scanning of all types of 2D codes

Barcode Scan Mode Settings

 Manual mode	 Auto mode

Repeated barcode detection mode

The scanner detects repeated codes and reads or writes to the onboard memory only once if the set time is not exceeded.

 500 ms	 750ms (default)
 1 sec	 2 sec

Light signal configuration

 LED control light off	 Indicator LED on (default)

Setting End Characters

 No end marks	 Enter (default)
 LF	 TAB
 Enter + LF	

Character Hiding Settings

 Hiding the initial digits	 Hiding trailing digits

Hiding the initial digits

Steps:

1. Scan the code "Hide initial digits"
2. Set the first few digits to be hidden, the data will be presented as a decimal number XX.
3. Set how many digits have been hidden from the first few characters in the two-digit sequence YY.

4. Finally, you should scan the "Saving Settings" code. XX represents the number of digits from the beginning. YY shows how many digits have been hidden.

Example: the barcode content is "ABCDEFGHIJKLMN", we hide the characters "DEFGH", the output code will be "ABCDIJKLMN".

1. Scan the code "Hiding first digits"
2. The position of the "E" character is the fourth bit, so XX is 0.4. Locate the data code table and scan the tables for data 0 and 4 one by one.
3. The hidden "DEFGH" means a total of 5 characters, so YY is 0 and 5. Search for the code table and scan data tables 0 and 5 respectively.
4. Finally, you should scan the "Saving Settings" code.

Hiding trailing digits

Steps:

1. Scan the "Hiding Trailing Digits" code
2. Select the last few digits that you want to hide. They will be presented in the form of two codes as the decimal number XX.
3. Set how many digits have been hidden from the first few characters in the two-digit sequence YY.
4. Finally, you should scan the "Saving Settings" code. XX represents the penultimate digit, i.e. hidden before the penultimate character. YY means how many digits have been hidden.

Example: In the "ABCDEFGHOJKLMN" barcode, we want to hide the characters "DEFGH". We will get an output code in the form of "ABCDIJKLMN".

1. Scan the code "Hiding numbers on the back".
2. The position of the "H" character is 7 bits, so XX is 0 and 7.
3. The hidden characters "DEFGH" are 5 characters in total, so YY is 0 and 5. Search for the code data table and scan the code tables 0 and 5 in turn.
4. Finally, you should scan the "Saving Settings" code.

Prefix and Suffix Setting

 Adding a prefix	 Add a suffix
 Saving settings	

Prefix Adding Settings

Steps:

1. Scan the "Add prefix setting" code.
2. Select the first few digits of the sequence to start inserting characters. To do this, use a two-digit data code. XX represents a decimal number.
3. Find the ASCII character table and scan the appropriate value one by one.
4. Finally, you should scan the "Saving Settings" code.

Example: The original barcode content is "ABCDEFGHIJKLMN". The content after adding the prefix should be in the form of "ABCDE12345FGHIJKLMN"

1. Scan the "Add prefix setting" code.
2. In the original barcode, the prefix "12345" is added before the "F" character. The position of the contents of the code "F" is the sixth character, so the data code XX is 0 and 6. Search the code data table and scan the barcode corresponding to the data code one by one.
3. The content added in the original code is "12345" and has a total of 5 characters. In the ASCII character table, find the characters "1", "2", "3", "4", "5" corresponding to the ASCII code "31", "32", "33", "34", "35" and scan the corresponding barcode one by one.
4. Finally, you should scan the "Saving Settings" code

Suffix Adding Settings

Steps:

1. Scan the "Add Suffix Setting" code.
2. Then scan the appropriate sequence of codes assigned in the ASCII character table.
3. Finally, scan the "Save Settings" code.

Any programmed Suffix character can be removed by scanning the "Factory reset" code.

Appendix 1. Table with numerical codes

0

1

2

3

4

5

6

7

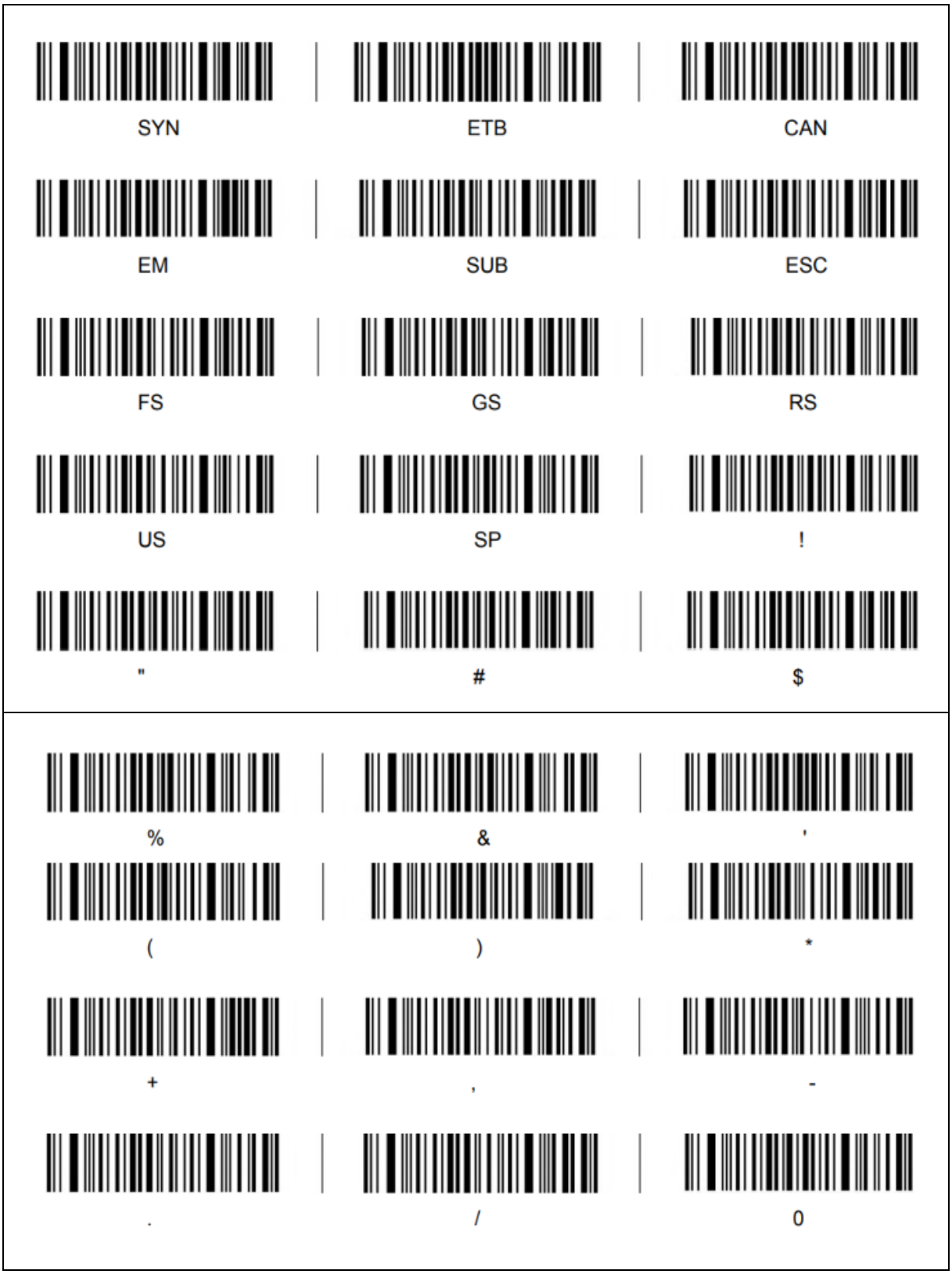
8

9

Appendix 2. ASCII character table

 ASCII-free	 SOH
 STX	 ETX

 EOT	 ENQ	 ACK
 BEL	 BS	 HT
 LF	 VT	 FF
 CR	 SO	 SI
 DLE	 DC1	 DC2
 DC3	 DC4	 NAK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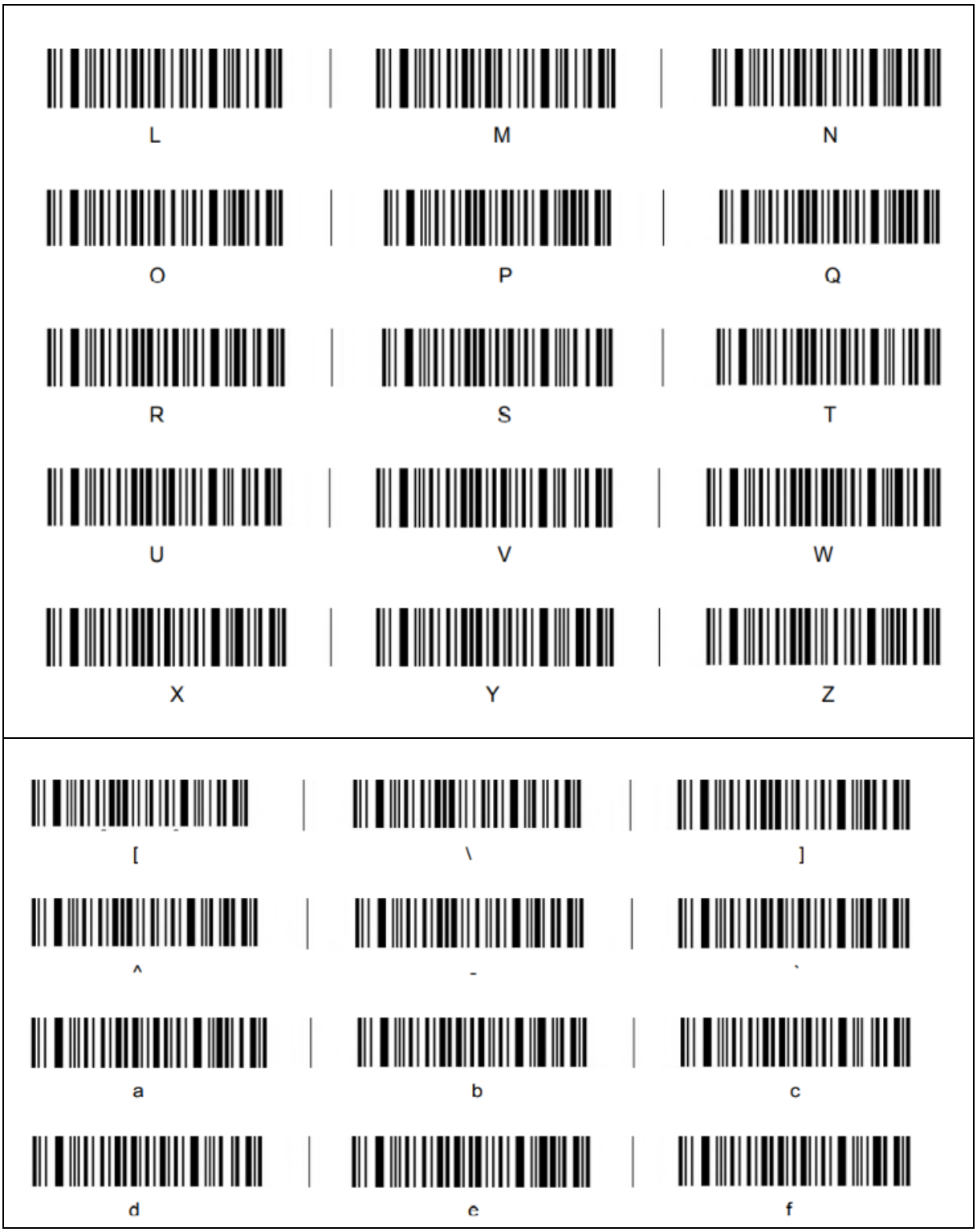
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DEL
Caps Lock
F1


F2
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F4
F5
F6
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F9
F10
F11
F12
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Appendix 3. Function keys