

Table of Contents

1 Chapter 1 Factory Defaults	9
2 Output Settings	10
2.1 USB Communication Interface.....	10
2.1.1 USB HID-KBW.....	10
2.1.2 USB Virtual Com.....	11
2.2 Communication Interface Settings.....	12
Communication Interface.....	12
2.2.1 Baud Rate.....	13
2.2.2 Parity.....	14
2.2.3 Stop Bits.....	14
2.2.4 Data Bits.....	14
2.2.5 flow control	15
2.3 Keyboard Language.....	16
2.4 Character Encoding.....	20
2.5 Invoice scan mode.....	22
2.6 CTRL+Mode output.....	23
2.7 Keyboard mode setting.....	24
3 System settings	26
3.1 Enter setup&Exit setup.....	26
3.2 Scan mode.....	27
3.2.1 Manual mode.....	27
3.2.2 Automatic mode.....	27
3.2.3 Continuous Mode.....	28
3.3 Sleep settings.....	33
3.3.1 Enable/Disable sleep.....	33
3.3.2 Sleep duration setting.....	33
3.4 Successful sound remind.....	34
3.4.1 Turn on/off beep.....	34

3.4.2	Same code tone on/off.....	34
3.4.3	Beep Frequency.....	35
3.4.4	Good Read Beep time.....	35
3.4.5	Beep volume.....	36
3.4.6	Turn on/off the indicator light (LED)	37
3.4.7	Same code LED on/off.....	37
3.5	Other sound settings.....	38
3.5.1	Tone switch.....	38
3.5.2	Mute setting.....	38
3.6	Image property settings.....	39
3.6.1	Image extension setting enable.....	39
3.6.2	Image sharpening.....	39
3.6.3	Decoding timeout setting.....	40
3.6.4	Vertical scan.....	41
3.7	Lighting settings.....	42
3.7.1	Illumination.....	42
3.7.2	Aiming setting.....	43
3.7.3	Dim light automatic light on setting.....	44
4	Data editing.....	45
4.1	Prefix and postfix switch settings.....	45
4.2	Prefix order setting.....	45
4.3	Custom prefix.....	46
4.3.1	Enable/Disable adding custom prefix.....	46
4.3.2	Set custom prefix.....	46
4.4	AIM ID prefix.....	47
4.5	CODE ID prefix.....	48
4.5.1	Enable/Disable adding CODE ID prefix.....	48
4.5.2	Set CODE ID prefix.....	48
4.6	Custom suffix.....	49
4.6.1	Enable/Disable adding custom suffix.....	49

4.6.2 Set custom suffix.....	49
4.7 End suffix.....	50
4.7.1 Enable/Disable adding terminator suffix.....	50
4.8 Field interception.....	52
4.9 GSCharacter substitution.....	53
4.9.1 Enable/Disable GS character replacement.....	53
4.9.2 Set GS character replacement character.....	53
4.9.3 Quick setting code for special replacement characters.....	54
4.10 Set NGR information.....	55
4.10.1 Enable/Disable Send NGR message.....	55
4.10.2 NGR information.....	55
5 Barcode parameter setting.....	56
5.1 Global Settings.....	56
5.1.1 Enable/Disable scan all barcode.....	56
5.1.2 Enable/Disable scan all 1D barcode.....	56
5.1.3 Enable/Disable scan all 2D barcode.....	56
5.1.4 Enable/Disable scan all 1D /2D Reverse barcode.....	57
5.2 Code128/AIM128/EAN128/NL128.....	58
5.2.1 Enable/Disable scan	58
5.2.2 CODE IDsetting.....	58
5.2.3 Scan length setting.....	59
5.3 UPC/EAN/ISSN/ISBN.....	60
5.3.1 Enable/Disable scan	60
5.3.2 CODE ID setting.....	60
5.3.3 Parity Bits transmission.....	61
5.3.4 Set whether to enable scan additional codes.....	62
5.3.5 Set whether additional code is required.....	62
5.3.6 Extended settings.....	63
5.4 Codabar.....	64
5.4.1 Enable/Disable scan	64

5.4.2 CODE ID setting.....	64
5.4.3 Parity settings.....	65
5.4.4 Scan length setting.....	66
5.4.5 Send first/end character setting.....	67
5.5 Code 39.....	68
5.5.1 Enable/Disable scan	68
5.5.2 CODE ID setting.....	68
5.5.3 Parity settings.....	69
5.5.4 Expandsupport.....	70
5.5.5 Full ASCIIsupport.....	70
5.5.6 Scan length setting.....	71
5.5.7 PREFIX character before sending (A)	72
5.5.8 CODE39 Send preamble (*)	72
5.6 Code32.....	73
5.6.1 Enable/Disable scan	73
5.6.2 CODE ID setting.....	73
5.6.3 PREFIX character before sending (A)	73
5.6.4 Scan length setting.....	74
5.7 Code 93.....	75
5.7.1 Enable/Disable scan	75
5.7.2 CODE ID setting.....	75
5.7.3 Parity settings.....	76
5.7.4 Full ASCIIsupport.....	77
5.7.5 Scan length setting.....	78
5.8 Code 11.....	79
5.8.1 Enable/Disable scan	79
5.8.2 CODE ID setting.....	79
5.8.3 Parity settings.....	80
5.8.4 Scan length setting.....	81
5.9 ITF-25/ITF-14/ITF-6/ Deutsche12/ Deutsche14.....	82

5.9.1 Enable/Disable scan	82
5.9.2 CODE ID setting.....	82
5.9.3 Parity settings.....	83
5.9.4 Scan length setting.....	84
5.10 Industrial 25.....	85
5.10.1 Enable/Disable scan	85
5.10.2 CODE ID setting.....	85
5.10.3 Parity settings.....	86
5.10.4 PREFIX character before sending.....	87
5.11 Matrix 25.....	88
5.11.1 Enable/Disable scan	88
5.11.2 CODE ID setting.....	88
5.11.3 Parity settings.....	89
5.11.4 Scan length setting.....	90
5.12 NEC 25 /Japan Matrix 25.....	91
5.12.1 Enable/Disable scan	91
5.12.2 CODE ID setting.....	91
5.12.3 Parity settings.....	92
5.12.4 Scan length setting.....	93
5.13 Standard 25.....	94
5.13.1 Enable/Disable scan	94
5.13.2 CODE ID setting.....	94
5.13.3 Parity settings.....	95
5.13.4 Scan length setting.....	96
5.14 DataLogic 25.....	97
5.14.1 Enable/Disable scan	97
5.14.2 CODE ID setting.....	97
5.14.3 Parity settings.....	98
5.14.4 Scan length setting.....	99
5.15 MSI-Plessey.....	100

5.15.1 Enable/Disable scan	100
5.15.2 CODE ID setting.....	100
5.15.3 Parity settings.....	101
5.15.4 Scan length setting.....	102
5.16 Plessey.....	103
5.16.1 Enable/Disable scan	103
5.16.2 CODE ID setting.....	103
5.16.3 Scan length setting.....	104
5.17 RSS-EXP /RSS_14/GS1 Data.....	105
5.17.1 RSS14Enable/Disable scan	105
5.17.2 RSS14 LIMITEnable/Disable scan	105
5.17.3 RSS14_STACKEnable/Disable scan	105
5.17.4 RSS EXPANDEDEnable/Disable scan	106
5.17.5 RSS EXPANDED STACKEnable/Disable scan	106
5.17.6 CODE ID setting.....	106
5.18 Telepen.....	107
5.18.1 Enable/Disable scan	107
5.18.2 CODE ID setting.....	107
5.18.3 Scan length setting.....	108
5.19 PharmaCode One-Track.....	109
5.19.1 Enable/Disable scan	109
5.19.2 CODE ID setting.....	109
5.19.3 Scan length setting.....	110
5.20 PharmaCode Two-Track.....	111
5.20.1 Enable/Disable scan	111
5.20.2 CODE ID setting.....	111
5.20.3 Scan length setting.....	112
5.21 AZTEC.....	113
5.21.1 Enable/Disable scan	113
5.21.2 Enable/Disable Reverse.....	113

5.21.3 CODE ID setting.....	113
5.21.4 Scan length setting.....	114
5.22 CODABLOCK A.....	115
5.22.1 Enable/Disable scan	115
5.22.2 CODE ID setting.....	115
5.22.3 Scan length setting.....	116
5.23 CODABLOCK F.....	117
5.23.1 Enable/Disable scan	117
5.23.2 CODE ID setting.....	117
5.23.3 Scan length setting.....	118
5.24 Data Matrix.....	119
5.24.1 Enable/Disable scan	119
5.24.2 Enable/Disable Reverse.....	119
5.24.3 CODE ID setting.....	119
5.24.4 Scan length setting.....	120
5.25 MaxiCode.....	121
5.25.1 Enable/Disable scan	121
5.25.2 CODE ID setting.....	121
5.25.3 Scan length setting.....	122
5.26 PDF417.....	123
5.26.1 Enable/Disable scan	123
5.26.2 Enable/Disable Reverse.....	123
5.26.3 Setting CODE ID.....	123
5.26.4 Set reading length limit.....	124
5.27 Micro PDF.....	125
5.27.1 Enable/Disable scan	125
5.27.2 Enable/Disable Reverse.....	125
5.27.3 Setting CODE ID.....	125
5.27.4 Scan length setting.....	126
5.28 QR Code.....	127

5.28.1 Enable/Disable scan	127
5.28.2 Enable/Disable Reverse.....	127
5.28.3 CODE ID setting.....	127
5.28.4 Scan length setting.....	128
5.29 Micro QR.....	129
5.29.1 Enable/Disable scan	129
5.29.2 Enable/Disable Reverse.....	129
5.29.3 CODE ID setting.....	129
5.29.4 Scan length setting.....	130
5.30 Han Xin Code.....	131
5.30.1 Enable/Disable scan	131
5.30.2 Enable/Disable Reverse.....	131
5.30.3 Setting CODE ID.....	131
5.30.4 Scan length setting.....	132
6 Batch processing.....	133
7 Appendix.....	134
7.1 Appendix.....	134
7.2 Barcode default setting table.....	136
7.3 AIM IDlist.....	141
7.4 Code IDlist.....	143
7.5 ASCII code list.....	144
7.6 CTRL+mode output.....	148
7.7 Data code.....	149



Enter setup

Factory Defaults

Factory Defaults: The communication mode will be restored to HID-KBW. For other default values, please refer to the appendix, "System Default Setting Table", "Barcode Default Setting Table"



Restore All Factory Defaults
\$>:S010186.<\$



Keep Current Settings
\$>:S010086.<\$



Exit setup



Chapter 1: Output Settings

When using USB to connect the scanner and host, users can choose USB HID-KBW, USB virtual serial port or USB HID-POS according to actual needs.

1.1.1 USB HID-KBW

USB HID-KBW: In keyboard mode, place the mouse cursor on the notepad, etc., and the data will be entered into the notepad after successful decoding.

USB HID POS: Enumerate into HID, and communicate using HID POS protocol.



USB HID-KBW
\$>:S0F0116.<\$
(Default)



USB HID POS
\$>: S0F0516.<\$





1.1.2 USB Virtual Com

USB Virtual Com: Enumerate into a virtual serial port. At this time, the PC needs to use the serial port assistant to receive data.



USB Virtual Com





1.2 Communication Interface Settings

Serial communication interface is a common way to connect scanner and host equipment (such as PC, POS and other equipment). When using the serial communication interface, the scanner and the host device must match the communication parameter configuration completely to ensure smooth communication and correct content.



Rs232

\$>: S0F0016.<\$





Enter setup

1.2.1 Baud rate



1200bps

\$>:S0F0047.<\$



2400bps

\$>:S0F0147.<\$



4800bps

\$>:S0F0247.<\$



9600bps

\$>:S0F0347.<\$

(默认)



14400bps

\$>:S0F0447.<\$

(Not support)



19200bps

\$>:S0F0547.<\$



38400bps

\$>:S0F0647.<\$



57600bps

\$>:S0F0747.<\$



115200bps

\$>:S0F0847.<\$



Exit setup



Enter setup

1.2.2 Parity



No Parity

\$>:S060046.<\$
(Default)



Odd Parity

\$>:S060446.<\$
(Not currently supported)



Even Parity

\$>:S060646.<\$
(Not currently supported)

1.2.3 Stop Bits



2 个 Stop Bits

\$>:S010146.<\$
(Not currently supported)



1 个 Stop Bits

\$>:S010046.<\$
(Default)

1.2.4 Data Bits



8 个 Data Bits

\$>:S080846.<\$
(Default)



7 个 Data Bits

\$>:S080046.<\$
(Not currently supported)



Exit setup



Enter setup

1.2.5 Fluid Control



Non

\$>:S600016.<\$
(Default)



RTS Fluid Control

\$>:S602016.<\$
(Not currently supported)



CTR Fluid Control

\$>:S604016.<\$
(Not currently supported)



CTS&RTS Fluid control

\$>:S606016.<\$
(Not currently supported)



Exit setup



Enter setup

1.3 Keyboard language

The keyboard key arrangement, symbols, etc. corresponding to different national languages are different. The scanner can be virtualized into keyboard formats of different countries as needed, and the default is the keyboard of the first format.



US(Default)
\$>:S1F001D.<\$



BELGIUM
\$>:S1F011D.<\$



BRAZIL
\$>:S1F021D.<\$



CANADA
\$>:S1F031D.<\$



CZECHOSLOVAKIA
\$>:S1F041D.<\$



DENMARK
\$>:S1F051D.<\$



Exit setup



Enter setup



FINLAND

\$>:S1F061D.<\$



FRANCE

\$>:S1F071D.<\$



GERMANY_AUSTRIA

\$>:S1F081D.<\$



GREECE

\$>:S1F091D.<\$



HUNGARY

\$>:S1F0A1D.<\$



ISRAEL

\$>:S1F0B1D.<\$



ITALY

\$>:S1F0C1D.<\$



LANTIN_AMERICA

\$>:S1F0D1D.<\$



Exit setup



Enter setup



NETHERLANDS
\$>:S1F0E1D.<\$



NORWAY
\$>:S1F0F1D.<\$



POLAN
\$>:S1F101D.<\$



PORTUAGAL
\$>:S1F111D.<\$



ROMANIA
\$>:S1F121D.<\$



RUSSIA
\$>:S1F131D.<\$



SLOVAKIA
\$>:S1F151D.<\$



SPAIN
\$>:S1F161D.<\$



Exit setup



Enter setup



SWEDEN
\$>:S1F171D.<\$



SWITZERLAND
\$>:S1F181D.<\$



TURKEY_F
\$>:S1F191D.<\$



TURKEY_Q
\$>:S1F1A1D.<\$



UK
\$>:S1F1B1D.<\$



JAPAN
\$>:S1F1C1D.<\$



Italy 142
\$>:S1F1F1D.<\$



Exit setup



Enter setup

1.4 Character Encoding

Original data transmission:

The original decoded data adopts decimal encoding.

Transfer to internal code to send: According to the keyboard language settings of different countries, the decoded data will be converted into the corresponding national internal code and sent; please cooperate with the "keyboard format setting HID-KBW" setting.



Raw data sending
\$>:S070019.<\$
(Default)



Convert to internal code and send
\$>:S070319.<\$



Convert to UNICODE
\$>:S070519.<\$

Encoding preset

Example: If the barcode binary code is SHIFT JIS and the content is Russian, at this time, turn off the Chinese output first, select RUSSIA for the national language keyboard layout, and the HID input code is preset to SHIFT JIS, converted to internal code and sent, it will be output correctly Russian.

When HID transmission mode-original data transmission, HID input code preset-invalid!!!



Auto
\$>:SF0000C.<\$
(Default)



GBK2312
\$>:SF0100C.<\$



Exit setup



Enter setup



UTF-8

\$>:SF0200C.<\$



BIG-5

\$>:SF0300C.<\$



SHIFT JIS

\$>:SF0400C.<\$

Chinese output quick settings

You can set Chinese output to TXT or WORD.



Chinese output to TXT

\$>:SHTCT01.<\$



Chinese output to WORD

\$>:SHTCT02.<\$



Turn off Chinese output

\$>:SHTCT03.<\$



Exit setup



Enter setup

1.5 Invoice scan mode

The QR content format of different invoices is different. After enabling this function, the decoded result will be analyzed and reorganized according to certain rules. Only the national tax is supported.

National tax regulations: Start character \$+version number 01+base64 (name</>taxpayer identification number</>address telephone</>account opening bank and account number</>CRC)+terminator \$.



Disable

\$>:S0F002A.<\$

(Default)



National tax

\$>:S01002A.<\$



Exit setup



Enter setup

1.6 CTRL+Mode output

Function keys refer to F1-F12. To output Enter, you also need to set "output function keys"



Output function keys
\$>:S070036.<\$
(Default)



Output CTRL key combination
\$>:S070136.<\$

Example: Set the prefix to "F8" (hexadecimal value is 0x1D)

- 1) Scan "Enter setup" barcode
- 2) Read the code "Allow adding custom prefixes"
- 3) Read the "Set Custom Prefix" code
- 4) Read the following data codes: "1" "D" (in Appendix)
- 5) Scan "Save code" barcode (in Appendix)
- 6) Scan "output CTRL key combination" barcode
- 7) Scan "Exit setup" barcode



Exit setup



Enter setup

1.7 Keyboard mode setting

Keyboard input mode



Standard keyboard input mode

\$>:S030037.<\$



Virtual keyboard input mode

\$>:S030337.<\$



Keyboard emulation input character mode

\$>:S030237.<\$

(Not support)



Disk emulation input control character mode

\$>:S030137.<\$

(Not support)

Capslock



No Case Conversion

\$>:S380037.<\$



Letter case interchange

\$>:S380837.<\$



Conver All to Upper Case

\$>:S382037.<\$



Conver All to Lower Case

\$>:S383037.<\$



Exit setup



Enter setup

ALT+S special settings for digital output

When outputting internal code, if alt+digital output is used, the first digit is zero, then the received input method needs to set the corresponding national keyboard, otherwise it may be garbled; if the first digit does not add zero, the received system code needs to be consistent with the internal code output from the scanner, otherwise garbled codes may appear.

When the keyboard can not output standard ASCII characters, you can choose to use ALT+number instead of output.



Set zero before not output

\$>:S080036.<\$



Output leading zero

\$>:S080836.<\$

(Default)



Keyless ASCII is not output

\$>:S100036.<\$

(Default)



ALT+Numbers instead of keyless ASCII

\$>:S101036.<\$



Exit setup



2 System settings

2.1 Enter setup&Exit setup

The user can scan the "Enter setup" code to enable the scanner setup function. After it is turned on, you can modify the parameters by reading one or more corresponding function setting codes, and finally scan the "Exit setup" code to make the setting effective.

Operation steps: You must first scan the "Enter setup" code, then scan the code of the corresponding function, and finally scan the "Exit setup" code. After scanning the "Exit setup" code, the scanner will automatically restart and enter a new working mode.



Enter setup
\$>:S01010F.<\$



Exit setup
\$>:S01000F.<\$
(Default)





Enter setup

2.2 Scan Mode

2.3 Manual Reading Mode

Manual mode-keep button down, press the button to trigger the reading, and release the button to end the reading. If the reading time is successful or the reading time exceeds the single reading time, the reading will end.



*Manual mode-Keep button down
\$>: S03001A.<\$
(Default)

2.3.1 Automatic Scanning Mode

In the induction mode, you can activate the scanner to work by pressing a button, sending a command, or automatically sensing.



Induction trigger (command + button + induction)
\$>: S03011A.<\$



Exit setup



Enter setup

2.4 Continuous Scanning Mode

Continuous Scanning Mode ,no manual trigger required, When reading succes or after the end of single code reading time , will automatically start the next reading. (Continuous scanning period can switch to manual mode by press the button temporary.)



Continuous Mode
\$>: S03021A.<\$



Exit setup



Enter setup

Read interval setting



Read interval setting

\$>: R000302.<\$

Example: Set the reading interval to 500ms (data code expressed in hexadecimal)

- 1) Scan "Enter setup" barcode
- 2) Scan "Reading interval time setting" barcode
- 3) Scan data code "1" (in Appendix)
- 4) Scan data code "F" (in Appendix)
- 5) Scan data code "4" (in Appendix)
- 6) Scan "Save code" barcode (in Appendix)
- 7) Scan "Exit setup" barcode



Exit setup



Enter setup

Single reading time

Enabling the reading, the reading has been failed, and the reading will be turned off automatically when the timeout is reached



Single reading time

\$>: R000064.<\$

Example: Set the single reading time to 4000ms (The data code is expressed in hexadecimal)

- 1) Scan "Enter setup" barcode
- 2) Scan the "single reading timeout setting" code
- 3) Scan data code "F" (in Appendix)
- 4) Scan data code "A" (in Appendix)
- 5) Scan data code "0" (in Appendix)
- 6) Scan "Save code" barcode (in Appendix)
- 7) Scan "Exit setup" barcode



Exit setup



Enter setup

The same bar code reading delay time

To control the consecutive same barcode reading interval by setting the same barcode delay



Scan same code without delay

\$>:S100017.<\$



Scan same code delay

\$>:S101017.<\$



Same reading time setting

\$>: R000322.<\$



Exit setup



Enter setup

Sensitivity

For the induction trigger mode, the user can set the sensitivity of different gears. The higher the sensitivity, the more sensitive to environmental changes. To avoid unnecessary reading, the appropriate gear should be set according to actual scene requirements.



Ultra high sensitivity
\$>:S3F0034.<\$
(Default)



High Sensitivity
\$>:S3F0534.<\$



Medium Sensitivity
\$>:S3F1034.<\$



Low Sensitivity
\$>:S3F3034.<\$



Exit setup



Enter setup

2.5 Sleep settings

2.5.1 Enable/Disable sleep

Sleep mode: Refers to the sleep mode when there is no operation for a period of time, and some resources will be shut down.



Disable automatic sleep

\$>:S200017.<\$
(Default)



Enable automatic sleep

\$>:S202017.<\$

2.5.2 Sleep duration setting



Sleep time

\$>:R000012.<\$

Sleep duration refers to how long it takes to enter sleep after no action, or how long to wake up after entering sleep.

Example: Set the sleep duration to 1000ms (The data code is expressed in hexadecimal)

- 1) Scan "Enter setup" barcode
- 2) Scan "Sleep time" barcode
- 3) Scan data code "3" (in Appendix)
- 4) Scan data code "E" (in Appendix)



Exit setup



Enter setup

- 5) Scan data code "8" (in Appendix)
- 6) Scan "Save code" barcode (in Appendix)
- 7) Scan "Exit setup" barcode"



Exit setup



Enter setup

2.6 Scan successfully set

2.6.1 Turn on/off beep



Turn on the prompt tone for successful reading (setting code)

\$>:S020229.<\$
(Default)



Turn off the prompt tone for successful reading (setting code)

\$>:S020029.<\$



Turn on the prompt tone for successful reading (not setting code)

\$>:S040429.<\$
(Default)



Turn off the prompt tone for successful reading (not setting code)

\$>:S040029.<\$

2.6.2 Same code tone on/off



The same code tone is on

\$>:S010135.<\$



Turn off the same code tone

\$>:S010035.<\$
(Default)



Exit setup



Enter setup

2.6.3 Beep Frequency



Low

\$>:SFFDA27.<\$



Medium

\$>:SFF4B27.<\$



Loud

\$>:SFF2527.<\$
(Default)

2.6.4 Good Read Beep time



40ms 短

\$>:SFF1F28.<\$



80ms 中

\$>:SFF3E28.<\$
(Default)



120ms 长

\$>:SFF5D28.<\$



Exit setup



Enter setup

2.6.5 Read Beep



Low

\$>.S030018.<\$



Medium

\$>.S030118.<\$



Loud

\$>.S030218.<\$



Exit setup



Enter setup

2.6.6 Turn on/off the reminder light (LED)



Turn on LED prompt for successful reading

\$>:S101029.<\$
(Default)



Turn off LED prompt for successful reading

\$>:S100029.<\$

2.6.7 Same code LED on/off



Turn on the same code LED prompt

\$>:S020235.<\$



Turn off the same code LED prompt

\$>:S020035.<\$
(Default)



Exit setup



Enter setup

2.7 Other sound settings

2.7.1 Tone switch



* Enable Power on Beep
\$>:S010129.<\$
(Default)



Disable Power on Beep
\$>:S010029.<\$



Buzzer prompt
\$>:S202029.<\$
(Default)



Enable unknown character sound
\$>:S080829.<\$



Turn off unknown character beep
\$>:S080029.<\$

2.7.2 Mute setting



Mute off
\$>:S404000.<\$



Mute on
\$>:S400000.<\$



Exit setup



Enter setup



Exit setup



Enter setup

2.8 Image property settings

In some application scenarios, the default image may not meet the decoding needs. At this time, you can turn on/off certain image properties (such as Image sharpening) to meet the decoding needs in special scenarios.

The basic steps of image attribute setting are as follows:

- Enable setting code
- Set on/off image properties
- Use can image extension settings

For example, to turn off the function of [Image Sharpening], follow the setting steps as follows:

- 1) Scan code: [open settings]
- 2) Scan code: [Image sharpening] disable
- 3) Scan code: [Image extension settings] enable

2.8.1 Image extension setting enable



\$>:S010123.<\$

Image extension settings
Enable



\$>:S010023.<\$

Image extension settings
Disable (Default)

2.8.2 Image sharpening



\$>:S020223.<\$



\$>:S020023.<\$



Exit setup



Enter setup

Image sharpening
Enable (Default)

Image sharpening
Disable

2.8.3 Decoding timeout setting

Decoding timeout: used to control the decoder to exit the decoding of the current image with the set timeout time and proceed to the decoding of the next image when the decoding fails.

1D Decoding timeout setting



\$>:S01010B.<\$

Open 1D code
timeout
(Default)



\$>:S01000B.<\$

Turn off 1D code
timeout

1D code decoding timeout time setting



\$>:R001A04.<\$

1D code decoding
timeout

2D Decoding timeout setting



\$>:S02020B.<\$

Open 2D code



\$>:S02000B.<\$

Turn off 2D code



Exit setup



Enter setup

timeout
(Default)

timeout

2D code decoding timeout setting



\$>:R001A44.<\$
2D code decoding
timeout

2.8.4 Vertical scan

Function description: When this setting is turned on, the decoding will increase the vertical scanning to improve the success rate of the decoding, but if the decoding fails, the decoding time will increase



\$>:S010122.<\$

Turn on vertical
scan



\$>:S010022.<\$

Turn off vertical
scan
(Default)



Exit setup



Enter setup

2.9 Lighting settings

2.9.1 Illumination

Lighting function one: the environment when the picture is taken; function two: prompt of decoding completion



Off

\$>:S0C0000.<\$



Reading On

\$>:S0C0400.<\$



On

\$>:S0C0800.<\$



Exit setup



Enter setup

2.9.2 Aiming



Off

\$>:S300000.<\$



Reading On

\$>:S301000.<\$



On

\$>:S302000.<\$



Exit setup



Enter setup

2.9.3 Dim light automatic light on setting



\$>:S020021.<\$

Dim light
automatically turns
on and
disables(Default)



\$>:S020221.<\$

Dim light
automatically turns
on and disables

When the dark light environment is enabled, the decoder detects the image according to the set [Detection Time], and judges it in a dark light environment according to the [Detection Threshold]. When the detected value is less than the set threshold. Then the decoder automatically turns on the light.



\$>:R0019C2.<\$

Low light detection
time setting



Dark light detection threshold
setting

\$>:R0019E1.<\$

Dark light detection time and dark light detection threshold setting setting steps

- 1) Scan code [Enable setting code]
- 2) Scan code [dark light detection time setting] or 【\$>:R0019E1.<\$】
- 3) Scan code [digital code]
- 4) Scan code [digital code save]



Exit setup



Enter setup

3 Data editing

In practical applications, we sometimes need to edit the read data before outputting it to facilitate data differentiation and processing.

Data editing includes: adding prefix, adding suffix, decoding information, adding terminator

The default output sequence of processed data is as follows: <prefix>
<barcode data><suffix><terminator>

3.1 Prefix/Suffix Setting



All types of prefixes and suffixes are allowed

\$>:S80804E.<\$
(Default)



Do not add any prefixes and suffixes

\$>:S80004E.<\$

3.2 Prefix order setting



Custom prefix + Code ID + AIM ID

\$>:S01014E.<\$



Code ID + Custom prefix + AIM ID

\$>:S01004E.<\$
(Default)



Exit setup



Enter setup

3.3 Custom prefix

Custom prefix: The custom prefix adds a user-defined string before the decoded information. For example, it is allowed to add a custom prefix and set the prefix to the character string "AB". After reading the barcode with the data "123", the scanner adds the character string "AB" before the character string "123", and the host receives "AB123" ;

3.3.1 Enable/Disable adding custom prefix



Allow adding custom prefixes

\$>:S04044E.<\$



Do not add custom prefixes

\$>:S04004E.<\$

(Default)

3.3.2 Set custom prefix



Set custom prefix

\$>: R000505.<\$

Example: Set custom prefix to "CODE" (The hexadecimal value is 0x43/0x4F/0x44/0x45)

- 8) Scan "Enter setup" barcode
- 9) Read the "Set Custom Prefix" code
- 10) Scan data code: "4^m3^m4^mF^m4^m4^m4^m5" (in Appendix)



Exit setup



Enter setup

- 11) Scan "Save code" barcode (in Appendix)
- 12) Read the code "Allow adding custom prefixes"
- 13) Scan "Exit setup" barcode"

3.4 AIM ID Prefix

AIM is the abbreviation of Automatic Identification Manufacturers (Association of Automatic Identification Manufacturers). AIM defines identification codes for various standard bar codes, which are defined in Appendix). The scanner can add this identification code before the barcode data after decoding, that is, the AIM ID prefix.



Allow add AIM ID
\$>:S010182.<\$



Prohibit add AIM ID
\$>:S010082.<\$
(Default)



\$>:DEFXXC2.<\$
all barcodeCode IDRestore factory default value



Exit setup



Enter setup

3.5 CODE ID prefix

In addition to the AIM ID prefix can be used to identify different bar code types, users can also use the Code ID prefix to identify bar code types. Unlike the AIM ID prefix, the Code ID prefix corresponding to each barcode type can be customized. The CodeID of all barcodes is 1 or 2 characters, and must be letters, and cannot be set as numbers, invisible characters, or punctuation marks, etc.

3.5.1 Allow/prohibit adding CODE ID prefix



Allow to add CODE ID prefix

\$>:S02024E.<\$



Prohibit add CODE ID prefix

\$>:S02004E.<\$

(Default)

3.5.2 Setting CODE ID prefix

Please refer to the following example for the method of modifying Code ID.

Example: Modify the Code ID of Code 128 to "p" (the hexadecimal value is 0x70)

- 1) Scan "Enter setup" barcode
- 2) Scan "CODE128 CODE ID setting" code
- 3) Scan data code: "7" (in Appendix)
- 4) Scan data code: "0" (in Appendix)
- 5) Scan "Save code" barcode (in Appendix)
- 6) Scan "Allow to add CODE ID prefix" code
- 7) Scan "Exit setup" barcode



Exit setup



Enter setup



Exit setup



Enter setup

3.6 Custom suffix

Custom suffix: The custom suffix is to add a user-defined string after decoding the information. For example, it is allowed to add a custom suffix and set the suffix to the character string "AB". After reading the barcode with the data as "123", the scanner adds the character string "AB" after the character string "123", and the host receives "123AB" .

Note: The total length of the custom suffix string cannot exceed 5 characters.

3.6.1 Allow/prohibit addingCustom suffix



Allow to addCustom suffix

\$>:S08084E.<\$



Prohibit addCustom suffix

\$>:S08004E.<\$

(Default)

3.6.2 Setting Custom suffix



Setting Custom suffix

\$>:R0005B5.<\$

Example: Setting custom prefix is "CODE" (hexadecimal value is 0x43/0x4F/0x44/0x45)

- 1) Scan "Enter setup" barcode
- 2) Scan "Setting Custom suffix" code
- 3) Scan below data code: "4"3"4" F"4"4"4"5" (in Appendix)



Exit setup



Enter setup

- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "Allow to addCustom suffix" code
- 6) Scan "Exit setup" barcode"



Exit setup



Enter setup

3.7 Suffix

The terminator suffix (such as carriage return, line feed) is used to mark the end of a complete data message. The terminator suffix must be the last content when a piece of data is sent, and there will be no additional data after that.

Note: The total length of the terminator suffix string cannot exceed 5 characters.

3.7.1 Enable / Disable Suffix



Enable suffix
\$>:S10104E.<\$
(Default)



Disable suffix
\$>:S10004E.<\$



Exit setup



Enter setup

Read the following setting codes, you can quickly set the terminator to 0x0D (carriage return) or 0x0D, 0x0A (carriage return) or 0x09 (Tab), and allow adding terminator to send.



Set suffix

\$>:R000655.<\$



Set suffix 0x0D

\$>:DEFXXC3.<\$
(Default)



Set suffix 0x0D,0x0A

\$>:DEFXXC4.<\$



Set suffix 0x09

\$>:DEFXXC5.<\$

Users can also customize the terminator suffix: first read "Setting terminator suffix", then read the hexadecimal value of the terminator suffix to be set in sequence, and finally read "Save".

Note: The total length of the terminator suffix string cannot exceed 5 characters.

Example: Setting Custom suffix is 0x0A

- 1) Scan "Enter setup" barcode
- 2) Scan "Set suffix" code
- 3) Scan below data code: "0" "A" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "Enable suffix" code
- 6) Scan "Exit setup" barcode



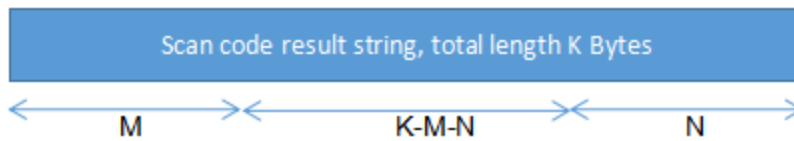
Exit setup



Enter setup

3.8 Field interception

Field interception refers to the secondary editing of the scan code result. Assuming that the scan code result data contains a total length of K bytes, the first segment is M bytes and the latter segment is N bytes. The value range of M and N is 0-255.



Interception method and effect

Keep as it is

Reserve the first M bytes

Reserve N bytes in the back section

Reserve K-M-N bytes in the middle section

If you want to hide the previous data, N is set to 0, keep the middle, that is, K-M-0

If you want to hide the later data, set M to 0 and keep the middle, ie K-0-N



Keep only the front part

\$>:S180882.<\$



Keep only the back part

\$>:S181082.<\$

(Default)



Keep only the middle section

\$>:S181882.<\$



Keep origin

\$>:S180082.<\$

(Default)

For the setting of the M value in the front section and the N value in the back section, the set length is 0-255, that is, 0x00-0xFF.

For example, to set the M value to 18, the corresponding ASCII hexadecimal value is 12, first scan the "previous M value setting", then the numbers "1" and "2" respectively, and then scan the "save".



Exit setup



Enter setup



Front M value setting
\$>:R000831.<\$



N value setting in the back section
\$>:R000841.<\$



Exit setup



Enter setup

3.9 GS character conversion

GS character conversion refers to replacing the 0x1D contained in the content with the specified ASCII character.

3.9.1 Enable/ Disable GS character conversion



Enable GS characters conversion

\$>:S010181.<\$



Disable GS characters conversion

\$>:S010081.<\$

(Default)

3.9.2 Set GS Character conversion



Set GS Conversion

\$>:R0006A6.<\$

Example: Set the GS conversion to "#####" (The hexadecimal value is 0x23/0x23/0x23/0x23)

- 1) Scan "Enter setup" code
- 2) Scan "Set GS CONVERSION" code
- 3) Scan: "2"3"2"3"2"3"2"3" (in Appendix)
- 4) Scan "Save" (in Appendix)
- 5) Read the code "Enable GS characters Conversion"
- 6) Scan "Exit setup"



Exit setup



Enter setup

3.9.3 Quick setting code for special GS Conversion

Including replace with "[GS]", "(GS)", "<GS>" "GS" Four kinds



\$>:SHTCT04.<\$
GS



\$>:SHTCT05.<\$
<GS>



\$>:SHTCT06.<\$
(GS)



\$>:SHTCT07.<\$
[GS]



\$>:SHTCT08.<\$
'GS'



\$>:SHTCT09.<\$
'GS'



\$>:SHTCT0A.<\$
|



\$>:SHTCT0B.<\$
?



\$>:SHTCT0C.<\$
*



\$>:SHTCT0D.<\$
<0x1D>



Exit setup



Enter setup

3.10 Set NGR information

After enable send NGR function code, when the decoding times out, the scanner will send user-defined NGR information to the host to determine the reading failure; users can set their own customized content by setting the NGR information. (NGR Maxi 7 characters!)

3.10.1 Enable/ Disable send NGR



Enable Send NGR

\$>:S40404E.<\$



Disable send NGR

\$>:S40004E.<\$

(Default)

3.10.2 Set NGR information



Set NGR information

\$>: R000767.<\$

Example: Set NGR information to "FAIL" (hexadecimal value is 0x46/0x41/0x49/0x4C)

- 1) Scan "Enter setup"
- 2) Scan the "Set NGR Information"
- 3) Scan the following data code: "4" "6" "4" "1" "4" "9" "4" "C" (in Appendix)
- 4) Scan "Save"(in Appendix)
- 5) Read the "Enabel send NGR"
- 6) Scan"Exit setup" barcode"



Exit setup



Enter setup

4 Barcode parameter setting

4.1 Global Setting

4.1.1 Enable/Disable all barcode

Set "Disable all barcode", the scanner cannot read other codes except the setting code



Enable all barcode
\$>:S010187.<\$



Disable all barcode
\$>:S010087.<\$

4.1.2 Enable/Disable read all 1D barcodes



Enable all 1D Codes
\$>:S020287.<\$



Disable all 1D code
\$>:S020087.<\$

4.1.3 Enable/Disable read all 2D barcodes



Enable all 2D codes
\$>:S040487.<\$



Disable all 2D codes
\$>:S040087.<\$

Note: CODE128 and QR barcodes are enable, all setting codes cannot disable both of them.



Exit setup



Enter setup

4.1.4 Enable/Disable all 1D/2D Reverse barcode



Enable all 1D reverse barcode

[\\$>:S080887.<\\$](#)



Disable all 1D reverse barcode

[\\$>:S080087.<\\$](#)

[\(Default\)](#)



Enable all 2D reverse barcode

[\\$>:S101087.<\\$](#)



Disable all 2D reverse barcode

[\\$>:S100087.<\\$](#)

[\(Default\)](#)



Exit setup



Enter setup

4.2 Code128/AIM128/EAN128/NL128

4.2.1 Enable/Disable



Enable

\$>:S010188.<\$
(Default)



Disable

\$>:S010088.<\$

4.2.2 CODE ID



Set CODE128 CODE ID

\$>: R001342.<\$



Exit setup



Enter setup

4.2.3 Read barcode length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the data to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



CODE 128 Maximum decoding length

\$>: R000C21.<\$



CODE 128 Minimum decoding length

\$>: R000C31.<\$

Example: Limited the scanner only read minimum 8 characters and maximum 12 characters

- 1) Scan "Enter setup"
- 2) Read "CODE 128 minimum decoding length"
- 3) Scan "8" (in Appendix)
- 4) Scan "Save " (in Appendix)
- 5) Scan the "CODE 128 maximum decoding length"
- 6) Scan "C" (in Appendix)
- 7) Scan "Save " barcode (in Appendix)
- 8) Scan "Exit setup" barcode"



Exit setup



Enter setup

4.3 UPC/EAN/ISSN/ISBN

4.3.1 Enable/Disable scan



Enable

\$>:S010189.<\$

(Default)



Disable

\$>:S010089.<\$

4.3.2 CODE ID setting



Set EAN CODE ID

\$>: R001362.<\$



Exit setup



Enter setup

4.3.3 Parity Bits transmission



EAN8 parity output
\$>:S0101AA.<\$
(Default)



EAN8 not parity output
\$>:S0100AA.<\$



EAN13parity output
\$>:S0202AA.<\$
(Default)



EAN13not parity output
\$>:S0200AA.<\$



UPCA parity output
\$>:S0404AA.<\$
(Default)



UPCA not parity output
\$>:S0400AA.<\$



UPCE parity output
\$>:S0808AA.<\$
(Default)



UPCE not parity output
\$>:S0800AA.<\$



Exit setup



Enter setup

4.3.4 Set whether to enable scan additional codes

After setting it to "Read 2 digits additional code" or "Read 5 digits additional code", the scanner can read new barcodes composed of ordinary barcodes and additional codes, as well as ordinary barcodes without additional codes. After setting to "not read 2-digit additional code" or "not read 5-digit additional code", the part of the additional code in the new barcode composed of ordinary barcode and additional code will not be read, and the part of the ordinary barcode can still be read. Common sense reading.



Read 2-digit additional code

\$>:S101089.<\$
(Default)



Not read 2-digit additional

code\$>:S100089.<\$



Read 5-digit additional code

\$>:S080889.<\$
(Default)



Not read 2-digit additional code

\$>:S080089.<\$

4.3.5 Set whether additional code is required

This parameter is only valid when the scanner has been set to read "2-digit additional code" or "read 5-digit additional code".



With additional code

\$>:S808089.<\$



No additional code required

\$>: S800089.<\$



Exit setup



Enter setup

(Default)



Exit setup



Enter setup

4.3.6 Extended settings

"Barcode information is not extended", mean keep all original types and data bits

"Extend the barcode information to 13 bits", mean expand the Data Bits of the barcode (prefix 0), but the barcode type does not change.



ENA8 to ENA13 OPEN
\$>:S600089.<\$



ENA8 to ENA13 CLOSE
\$>:S602089.<\$
(Default)



UPCE to UPCA OPEN
\$>:S1010A4.<\$



UPCE to UPCA CLOSE
\$>:S1000A4.<\$
(Default)



UPCA to EAN13 OPEN
\$>:S0301A4.<\$



UPCA to EAN13 CLOSE
\$>:S0300A4.<\$
(Default)



Barcode information 8 extension13
\$>:S600089.<\$



Barcode information is not expanded
\$>:S602089.<\$
(Default)



Exit setup



Enter setup

4.4 Codabar

4.4.1 Enable/Disable



Enable

\$>:S01018C.<\$



Disable

\$>:S01008C.<\$

(Default)

4.4.2 CODE ID



Set CODABAR CODE ID

\$>: R0013E2.<\$



Exit setup



Enter setup

4.4.3 Parity settings

The check digit is not mandatory in the Codabar barcode data. If there is a check digit, it is the last character of the data. The check digit is a value calculated based on all data to check whether the data is correct.

Set to "No Check", the scanner will transmit all barcode data normally.

Set to "Check but not send check digit", the scanner will check according to the last 1 digit of the barcode. If the check is passed, it will transmit normal data except the check digit. If the check fails, it will prompt the barcode reading failure.

Set to "Check and send check digit", the scanner will check the last 1 digit of the barcode. If the check is passed, the check digit will be transmitted as the last 1 digit of normal data. If the check fails, it will be prompted to read the code failure.



None parity

\$>:S02008C.<\$
(Default)



Check but not send check digit

\$>:S06028C.<\$



Check and send check digit

\$>:S06068C.<\$



Exit setup



Enter setup

4.4.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



CODABAR Maximum decoding length
\$>: R000C81.<\$



CODABAR Minimum decoding length
\$>: R000C91.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan "Enter setup"
- 2) Scan "CODABAR Maximum decoding length"
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save" (in Appendix)
- 5) Scan "CODABAR Minimum decoding length"
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save" (in Appendix)
- 8) Scan "Exit setup"



Exit setup



Enter setup

4.4.5 Send Start/stop character setting



Not Send start/stop character

\$>:S08088C.<\$

(Default)



Send start/stop character

\$>:S08008C.<\$

Start/stop character case setting



Start character upper case

\$>:S20008C.<\$

(Default)



Start character Lower case

\$>:S20208C.<\$



Exit setup



Enter setup

4.5 Code 39

4.5.1 Enable/Disable scan



Allow reading
\$>:S01018A.<\$
(Default)



Prohibit scan
\$>:S01008A.<\$

4.5.2 CODE ID setting



CODE39 CODE ID setting
\$>: R001382.<\$



Exit setup



Enter setup

4.5.3 Parity settings

The check digit is not mandatory in the Code 39 barcode data. If there is a check digit, it is the last character of the data. The check digit is a value calculated based on all data to check whether the data is correct.

Set to "None parity", the scanner will transmit all barcode data normally.

Set to "Check but not send check digit", the scanner will check according to the last 1 digit of the barcode. If the check is passed, it will transmit normal data except the check digit. If the check fails, it will prompt the barcode reading failure.

Set to "Check and send check digit", the scanner will check the last 1 digit of the barcode. If the check is passed, the check digit will be transmitted as the last 1 digit of normal data. If the check fails, it will be prompted to read the code failure.



None parity

\$>:S02008A.<\$
(Default)



Check but not send check digit

\$>:S06028A.<\$



Check and send check digit

\$>:S06068A.<\$



Exit setup



Enter setup

4.5.4 Expandsupport



Enable Expand
\$>:S08088A.<\$



Disable Expand
\$>:S08008A.<\$
(Default)

4.5.5 Full ASCIIsupport



Enable full ascii
\$>:S20208A.<\$
(Default)



Disable full ascii
\$>:S20008A.<\$



Exit setup



Enter setup

4.5.6 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



CODE 39 Maximum decoding length
\$>: R000C41.<\$



CODE 39 Maximum decoding length
\$>: R000C51.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "CODE 39 Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "CODE 39 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)



Exit setup



Enter setup

8) Scan "Exit setup" barcode"

4.5.7 Send PREFIX character (A)



Send PREFIX character (A)

\$>:S1010AB.<\$



Not send PREFIX Character

\$>:S1000AB.<\$

(Default)

4.5.8 CODE39 Send Leading character (*)



CODE39 Send leading

\$>:S2020AB.<\$



CODE39 Don't send Leading

\$>:S2000AB.<\$

(Default)



Exit setup



Enter setup

4.6 Code32

4.6.1 Enable/Disable scan



Enable

\$>:S0101AB.<\$

(Default)



Disable

\$>:S0100AB.<\$

4.6.2 CODE ID setting



CODE32 CODE ID setting

\$>:R001792.<\$

4.6.3 Send PREFIX character (A)



Send PREFIX character (A)

\$>:S1010AB.<\$



Not send PREFIX character

\$>:S1000AB.<\$

(Default)



Exit setup



Enter setup

4.6.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



CODE 32 Maximum decoding length
\$>:R001181.<\$



CODE 32 Maximum decoding length
\$>:R001191.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "CODE 32 Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "CODE 32 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)



Exit setup



Enter setup

- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode

4.7 Code 93

4.7.1 Enable/Disable scan



Enable

\$>:S01018D.<\$
(Default)



Disable

\$>:S01008D.<\$

4.7.2 CODE ID setting



CODE93 CODE ID setting

\$>: R001402.<\$



Exit setup



Enter setup

4.7.3 Parity settings

The check digit is not mandatory in Code 93 barcode data. If there is a check digit, it is the last 2 characters of the data. The check digit is a value calculated based on all data to check whether the data is correct.

Set to "None parity", the scanner will transmit all barcode data normally.

Set to "Check but not send check digit", the scanner will check according to the last 2 digits of the barcode. If the check is passed, it will transmit normal data except the check digit. If the check fails, it will prompt the barcode reading failure.

Set to "Check and send check digit", the scanner will check according to the last 2 digits of the bar code. If the check is passed, the check digit will be transmitted together as the last 2 digits of normal data. If the check fails, it will be prompted to read the code. failure.



None parity

\$>:S02008D.<\$
(Default)



Check but not send check digit

\$>:S06028D.<\$



Check and send check digit

\$>:S06068D.<\$



Exit setup



Enter setup

4.7.4 Full ASCII support

Full ASCII: The encoding method of Code 39 can include the representation of all ASCII characters. By setting, the scanner can support barcodes containing the full ASCII character set.



Enable full ascii
\$>:S20208D.<\$
(Default)



Disable full ascii
\$>:S20008D.<\$



Exit setup



Enter setup

4.7.5 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



CODE 93 Maximum decoding length
\$>: R000CA1.<\$



CODE 93 Maximum decoding length
\$>: R000CB1.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "CODE 93 Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "CODE 93 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)



Exit setup



8) Scan "Exit setup" barcode"





Enter setup

4.8 Code 11

4.8.1 Enable/Disable scan



Enable

\$>:S01018F.<\$



Disable

\$>:S01008F.<\$

(Default)

4.8.2 CODE ID setting



CODE11 CODE ID setting

\$>: R001442.<\$



Exit setup



Enter setup

4.8.3 Parity settings

The check digit is not mandatory in Code 11 barcode data. If there is a check digit, it is the last 1 or 2 characters of the data. The check digit is a value calculated based on all data to check whether the data is correct.

Set to "None parity", the scanner will transmit all barcode data normally.



None parity
\$>:S02008F.<\$
(Default)



2 parity bits
\$>:S08088F.<\$



1parity bit
\$>:S08008F.<\$



Check but not send check digit
\$>:S06028F.<\$



Check and send check digit
\$>:S06068F.<\$



Exit setup



Enter setup

4.8.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



CODE 11 Maximum decoding length
\$>: R000CE1.<\$



CODE 11 Maximum decoding length
\$>: R000CF1.<\$

Example: To decode Plessey Symbols Containing between 8 and 12 Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "CODE 11 Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "CODE 11 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup



Exit setup



Enter setup

4.9 ITF-25/ITF-14/ITF-6/ Deutsche12/ Deutsche14

4.9.1 Enable/Disable



Enable

\$>:S01018B.<\$
(Default)



Disable

\$>:S01008B.<\$

4.9.2 CODE ID setting



ITF CODE ID setting

\$>: R0013C2.<\$



Exit setup



Enter setup

4.9.3 Parity settings

Interleaved 2 of 5 barcode data is not mandatory to include a check digit. If there is a check digit, it is the last character of the data. The check digit is a value calculated based on all data to verify whether the data is correct.

Set to "None parity", the scanner will transmit all barcode data normally.

Set to "Check but not send check digit", the scanner will check the last 1 digit of the barcode. If the check is passed, it will transmit normal data except the check digit. If the check fails, it will prompt the barcode reading failure.

Set to "Check and send check digit", the scanner will check the last 1 digit of the barcode. If the check is passed, the check digit will be transmitted as the last 1 digit of normal data. If the check fails, it will be prompted to read the code failure.



None parity

\$>:S02008B.<\$

(Default)



Check but not send check digit

\$>:S06028B.<\$



Check and send check digit

\$>:S06068B.<\$



Exit setup



Enter setup

4.9.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



ITF Maximum decoding length
\$>: R000C61.<\$



ITF Maximum decoding length
\$>: R000C71.<\$

Example: To decode Plessey Symbols Containing between 8 and 12 Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "ITF Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "ITF Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup

4.10 Industrial 25

4.10.1 Enable/Disable scan



Enable

\$>:S010193.<\$



Disable

\$>:S010093.<\$
(Default)

4.10.2 CODE ID setting



INDUSTRIAL25 CODE ID setting

\$>: R0014E2.<\$



Exit setup



Enter setup

4.10.3 Parity settings

The check digit is not mandatory in the Industrial 25 barcode data. If there is a check digit, it is the last character of the data. The check digit is a value calculated based on all data to check whether the data is correct.

Set to "None parity", the scanner will transmit all barcode data normally.

Set to "Check but not send check digit", the scanner will check according to the last 1 digit of the barcode. If the check is passed, it will transmit normal data except the check digit. If the check fails, it will prompt the barcode reading failure.

Set to "Check and send check digit", the scanner will check the last 1 digit of the barcode. If the check is passed, the check digit will be transmitted as the last 1 digit of normal data. If the check fails, it will be prompted to read the code failure.



None parity

\$>:S020093.<\$
(Default)



Check but not send check digit

\$>:S060293.<\$



Check and send check digit

\$>:S060693.<\$



Exit setup



Enter setup



Exit setup



Enter setup

4.10.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



INDUSTRIAL 25 Maximum decoding
length
\$>: R000D41.<\$



INDUSTRIAL 25Maximum decoding
length
\$>: R000D51.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "INDUSTRIAL 25Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "INDUSTRIAL 25 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)



Exit setup



Enter setup

- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode"



Exit setup



Enter setup

4.11 Matrix 25

4.11.1 Enable/Disable scan



Enable

\$>:S01018E.<\$



Disable

\$>:S01008E.<\$
(Default)

4.11.2 CODE ID setting



MATRIX25 CODE ID setting

\$>: R001422.<\$



Exit setup



Enter setup

4.11.3 Parity settings



None parity

\$>:S02008E.<\$
(Default)



Check but not send check digit

\$>:S06028E.<\$



Check and send check digit

\$>:S06068E.<\$



Exit setup



Enter setup

4.11.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



Matrix25 Maximum decoding length
\$>: R000CC1.<\$



Matrix25Maximum decoding length
\$>: R000CD1.<\$

Example: To decode Plessey Symbols Containing between 8 and 12 Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "Matrix25Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "Matrix25 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup

4.12 NEC 25 /Japan Matrix 25

4.12.1 Enable/Disable scan



Enable

\$>:S01019E.<\$



Disable

\$>:S01009E.<\$
(Default)

4.12.2 CODE ID setting



NEC25 CODE ID setting

\$>: R001642.<\$



Exit setup



Enter setup

4.12.3 Parity settings



None parity

\$>:S02009E.<\$
(Default)



Check but not send check digit

\$>:S06029E.<\$



Check and send check digit

\$>:S06069E.<\$



Exit setup



Enter setup

4.12.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



NEC25 Maximum decoding length
\$>: R000FE2.<\$



NEC25Maximum decoding length
\$>: R001002.<\$

Example: To decode Plessey Symbols Containing between 8 and 12 Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "NEC25Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "NEC25 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup

4.13 Standard 25

4.13.1 Enable/Disable scan



Enable

\$>:S010192.<\$



Disable

\$>:S010092.<\$
(Default)

4.13.2 CODE ID setting



STANDARD25 CODE ID setting

\$>: R0014A2.<\$



Exit setup



Enter setup

4.13.3 Parity settings

Standard 25 barcode data is not mandatory to include a check digit. If there is a check digit, it is the last character of the data. The check digit is a value calculated based on all data to check whether the data is correct.

Set to "None parity", the scanner will transmit all barcode data normally.

Set to "Check but not send check digit", the scanner will check according to the last 1 digit of the barcode. If the check is passed, it will transmit normal data except the check digit. If the check fails, it will prompt the barcode reading failure.

Set to "Check and send check digit", the scanner will check the last 1 digit of the barcode. If the check is passed, the check digit will be transmitted as the last 1 digit of normal data. If the check fails, it will be prompted to read the code failure.



None parity

\$>:S020092.<\$
(Default)



Check but not send check digit

\$>:S060292.<\$



Check and send check digit

\$>:S060692.<\$



Exit setup



Enter setup

4.13.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, the barcode only recognizes the two lengths of Scan. If the maximum length is equal to the minimum length, only this length is supported.



STANDARD 25 Maximum decoding
length

\$>: R000D21.<\$



STANDARD 25 Maximum decoding length

\$>: R000D31.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "STANDARD 25 Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "STANDARD 25 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup

4.14 DataLogic 25

4.14.1 Enable/Disable scan



Enable

\$>:S01019F.<\$



Disable

\$>:S01009F.<\$
(Default)

4.14.2 CODE ID setting



DataLogic25 CODE ID setting

\$>: R001692.<\$



Exit setup



Enter setup

4.14.3 Parity settings



None parity
\$>:S02009F.<\$
(Default)



Check but not send check digit
\$>:S06029F.<\$



Check and send check digit
\$>:S06069F.<\$



Exit setup



Enter setup

4.14.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



DataLogic25 Maximum decoding length
\$>: R001022.<\$



DataLogic25Maximum decoding length
\$>: R001042.<\$

Example: To decode Plessey Symbols Containing between 8 and 12 Characters

- 1) Scan "Enter setup" barcode
- 2) Scan "DataLogic 25Maximum decoding length" barcode
- 3) Scan data code "8" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "DataLogic 25 Maximum decoding length" barcode
- 6) Scan data code "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup

4.15 MSI-Plessey

4.15.1 Enable/Disable



Enable MSI-Plessey

\$>:S010191.<\$



Disable

\$>:S010091.<\$
(Default) default

4.15.2 CODE ID



Set MSI PLESSEY ID

\$>: R001482.<\$



Exit setup



Enter setup

4.15.3 Check Character Verification

MSI-Plessey

The check digit is not mandatory in the barcode data. If there is a Check Character, it is the last 1 or 2 characters of the data. The check digit is a value calculated based on all data to check whether the data is correct.

Set to "Disable None Parity ", the reader will transmit all barcode data normally.



None parityDisable

\$>:S020191.<\$



MOD10 One Check Character

\$>:S180091.<\$

(Default) default



MOD10/11Two Check Character

\$>:S180891.<\$



MOD10/10 校验 Two Check Character

\$>:S181091.<\$



Do Not Transmit MIS-Plessey Check
Character

\$>:S060291.<\$

(Default) Default



Transmit MIS-Plessey Check Character

\$>:S060691.<\$



Exit setup



Enter setup

4.15.4 Set Lengths for MIS-Plessey

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



MSI_Plessey Maximum decoding length
\$>: R000D01.<\$



MSI_Plessey Minimum Length
\$>: R000D11.<\$

Example: To decode MIS-Plessey Symbols Containing between 8 and 12 Characters

- 1) Scan "Enter setup"
- 2) Scan "MSI_Plessey Minimum length"
- 3) Scan "8" (in Appendix)
- 4) Scan "Save code" (in Appendix)
- 5) Scan "MSI_Plessey Maximum decoding length"
- 6) Scan the MIS-Plessey Any Lengths Barcode
- 7) Scan data "C" (in Appendix)
- 8) Scan "Save code" barcode (in Appendix)
- 9) Scan "Exit setup"



Exit setup



Enter setup

4.16 Plessey

4.16.1 Enable/Disable scan Enable/Disable Plessey



Enable Plessey
\$>:S0101A0.<\$



Disable Plessey
\$>:S0100A0.<\$
(Default) Default

4.16.2 CODE ID setting



Plessey CODE ID setting
\$>: R0016F2.<\$



Exit setup



Enter setup

4.16.3 Set Lengths for Plessey

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



Plessey Maximum decoding lengthAny
Lengths
\$>: R001062.<\$



Plessey Minimum Decoding Length
\$>: R001082.<\$

Example: To decode Plessey Symbols Containing between 8 and 12 Characters

- 1) Scan "Enter setup" barcodeScan
- 2) Plessey Minimum Decoding Length
- 3) Scan"8" (in Appendix)
- 4) Scan"Save code" (in Appendix)
- 5) Scan"Plessey Maximum decoding length"
- 6) Scan number barcodes "C"(in Appendix)
- 7) Scan"Save" barcode (in Appendix)
- 8) Scan"Exit setup" barcode"



Exit setup



Enter setup

4.17 RSS-EXP /RSS_14/GS1 Data

4.17.1 RSS14Enable/Disable scan Enable/Disable



Enable RSS14
\$>:S010190.<\$



Disable RSS14
\$>:S010090.<\$
(Default) Default

4.17.2 RSS14 LIMIT Enable/Disable



Enable RSS14 LIMIT
\$>:S0101A6.<\$



Disable RSS14 LIMIT
\$>:S0100A6.<\$
(Default)

4.17.3 RSS14_STACK Enable/Disable



Enable RSS14_STACK
\$>:S0101A7.<\$



Disable RSS14_STACK
\$>:S0100A7.<\$
(Default) Default



Exit setup



Enter setup

4.17.4 Enable / Disable RSS EXPANDED



Enable RSS EXPANDED
\$>:S0101A8.<\$



Disable RSS EXPANDED
\$>:S0100A8.<\$
(Default) Default

4.17.5 RSS EXPANDED STACK Enable/Disable



Enable EXPANDED STACK
\$>:S0101A9.<\$



Disable EXPANDED STACK
\$>:S0100A9.<\$
(Default) Default

4.17.6 CODE ID setting



RSS GSICODE ID setting
\$>: R001462.<\$



Exit setup



Enter setup

4.18 Telepen

4.18.1 Enable/Disable



Enable Telepen
\$>:S010194.<\$



Disable Telepen
\$>:S010094.<\$
(Default) Defauly

4.18.2 CODE ID setting



TELEPEN CODE ID setting
\$>: R0014C2.<\$



Exit setup



Enter setup

4.19 Set Lengths for Telepen

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



TELEPEN Maximum decoding lengthAny
Lengths
\$>: R000D61.<\$



TELEPEN Maximum decoding
lengthLengths Within Range
\$>: R000D71.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan the Enter Setup
- 2) Scan "Telepen Maximum decoding length"
- 3) Scan "8" (in Appendix)
- 4) Scan "Save " (in Appendix)
- 5) Scan "Telepen Maximum decoding length"
- 6) Scan "C" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup"



Exit setup



Enter setup

4.20 Pharma Code One-Track

4.20.1 Enable/Disable



Enable Pharma-one
\$>:S0101A1.<\$



Disable Pharma-one
\$>:S0100A1.<\$
(Default)

4.20.2 CODE ID setting



Pharma_One CODE ID setting
\$>: R001712.<\$



Exit setup



Enter setup

4.20.3 Set Lengths for PharmaCode One-Track

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



Pharma_One Maximum decoding length
\$>: R0010A2.<\$



Pharma_One Minimum decoding length
\$>: R0010C2.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan the Enter Setup barcode
- 2) Scan "Pharma_One Maximum decoding length"
- 3) Scan "8" (in Appendix)
- 4) Scan "Save " barcode (in Appendix)
- 5) Scan "Pharma_One Maximum decoding length"
- 6) Scan the Pharma_One Any Lengths Barcode
- 7) Scan "C" (in Appendix)
- 8) Scan "Save " barcode (in Appendix)
- 9) Scan "Exit setup"



Exit setup



Enter setup

4.21 PharmaCode Two-Track

4.21.1 Enable/Disable



Enable Pharma-Two
\$>:S0101A2.<\$



Disable Pharma-Two
\$>:S0100A2.<\$
(Default)

4.21.2 CODE ID setting



Pharma_Two CODE ID setting
\$>: R001732.<\$



Exit setup



Enter setup

4.21.3 Set Lengths for Pharma-Two

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



Pharma_Two Maximum decoding length

\$>: R0010E2.<\$



Pharma_Two Minimum decoding length

\$>: R001102.<\$

Example: To decode Plessey Symbols Containing between 8 and 12

Characters

- 1) Scan "Enter setup"
- 2) Scan "Pharma_Two Maximum decoding length"
- 3) Scan "8" (in Appendix)
- 4) Scan "Save" (in Appendix)
- 5) Scan "Pharma_Two Maximum decoding length"
- 6) Scan "C" (in Appendix)
- 7) Scan "Save "
- 8) Scan "Exit setup"



Exit setup



Enter setup

4.22 AZTEC

4.22.1 Enable/Disable



Enable AZTEC
\$>:S01019A.<\$



Disable AZTEC
\$>:S01009A.<\$
(Default)

4.22.2 Enable/Disable reverse



Disable Reverse
\$>:S40009A.<\$
(Default)



Enable Reverse
\$>:S40409A.<\$
(Default)

4.22.3 CODE ID setting



AZTEC CODE ID setting
\$>: R0015E2.<\$



Exit setup



Enter setup

4.22.4 Set Lengths for AZTEC

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported



AZTEC Maximum decoding length

\$>: R000ED2.<\$



AZTEC Minimum decoding length

\$>: R000F02.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup" barcode
- 2) Scan "AZTEC Maximum decoding length"
- 3) Scan data code "4" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "AZTEC Minimum decoding length"
- 6) Scan data code: "6" "4" (in Appendix)
- 7) Scan "Save" (in Appendix)
- 8) Scan "Exit setup"



Exit setup



Enter setup

4.23 CODABLOCK A

4.23.1 Enable/Disable



Enable

\$>:S01019C.<\$



Disable

\$>:S01009C.<\$
(Default)

4.23.2 CODE ID setting



CodaBlock_A CODE ID setting

\$>: R001602.<\$



Exit setup



Enter setup

4.23.3 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



CodaBlock A Maximum decoding length
\$>: R000F62.<\$



CodaBlock A Minimum decoding length
\$>: R000F82.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup"
- 2) Scan "CodaBlock A Minimum decoding length"
- 3) Scan "4" (in Appendix)
- 4) Scan "Save " (in Appendix)
- 5) Scan "CodaBlock A Maximum decoding length" barcode
- 6) Scan data code: "6" "4" (in Appendix)
- 7) Scan "Save " (in Appendix)
- 8) Scan "Exit setup"



Exit setup



Enter setup

4.24 CODABLOCK F

4.24.1 Enable/Disable



Enable

\$>:S01019D.<\$



Disable

\$>:S01009D.<\$
(Default)

4.24.2 CODE ID



CodaBlock_F CODE ID setting

\$>: R001622.<\$



Exit setup



Enter setup

4.24.3 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



CodaBlock F Maximum decoding length
\$>: R000FA2.<\$



CodaBlock F Minimum decoding length
\$>: R000FC2.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup"
- 2) Scan "CodaBlock F Minimum decoding length"
- 3) Scan "4" (in Appendix)
- 4) Scan "Save" (in Appendix)
- 5) Scan "CodaBlock F Maximum decoding length" barcode
- 6) Scan data code: "6" "4" (in Appendix)
- 7) Scan "Save" (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup

4.25 Data Matrix

4.25.1 Enable/Disable



Enable
\$>:S010197.<\$
(Default)



Disable
\$>:S010097.<\$
(Default)

4.25.2 Enable/Disable reverse



Enable
\$>:S020297.<\$
(Default)



Disable
\$>:S020097.<\$

4.25.3 CODE ID setting



DATAMATRIX CODE ID setting
\$>: R001582.<\$



Exit setup



Enter setup

4.25.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



Data Matrix Maximum decoding length
\$>: R000E12.<\$



Data Matrix Minimum decoding length
\$>: R000E32.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup"
- 2) Scan "Data Matrix Minimum decoding length"
- 3) Scan "4" (in Appendix)
- 4) Scan "Save code" (in Appendix)
- 5) Scan "Data Matrix Maximum decoding length"
- 6) Scan data code: "6" "4" (in Appendix)
- 7) Scan "Save code" (in Appendix)
- 8) Scan "Exit setup"



Exit setup



Enter setup

4.26 MaxiCode

4.26.1 Enable/Disable



Enable

\$>:S010199.<\$



Disable

\$>:S010099.<\$
(Default)

4.26.2 CODE ID setting



MAXI CODE ID setting

\$>: R0015C2.<\$



Exit setup



Enter setup

4.26.3 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



MAXI Maximum decoding length
\$>: R000E92.<\$



MAXI minimum decoding length
\$>: R000EB2.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup"
- 2) Scan "MAXI minimum decoding length"
- 3) Scan "4" (in Appendix)
- 4) Scan "Save" (in Appendix)
- 5) Scan "MAXI Maximum decoding length"
- 6) Scan: "6" "4" (in Appendix)
- 7) Scan "Save" (in Appendix)
- 8) Scan "Exit setup"



Exit setup



Enter setup

4.27 PDF417

4.27.1 Enable/Disable



Enable

\$>:S010195.<\$
(Default)



Disable

\$>:S010095.<\$

4.27.2 Enable/Disable reverse



Enable reverse

\$>:S020295.<\$
(Default)



Disable reverse

\$>:S020095.<\$

4.27.3 Setting CODE ID



PDF417 CODE ID setting

\$>: R001522.<\$



Exit setup



Enter setup

4.27.4 Set reading length limit

The user can set the maximum and minimum length of the barcode scan. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



PDF417 Maximum decoding length
\$>: R000D82.<\$



PDF417 Minimum decoding length
\$>: R000DA2.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup"
- 2) Scan "PDF417 Minimum decoding length"
- 3) Scan "4" (in Appendix)
- 4) Scan "Save " (in Appendix)
- 5) Scan "PDF417 Maximum decoding length"
- 6) Scan "6" "4" (in Appendix)
- 7) Scan "Save " (in Appendix)
- 8) Scan "Exit setup" barcode"



Exit setup



Enter setup

4.28 Micro PDF

4.28.1 Enable/Disable



Enable

\$>:S0101A3.<\$



Disable

\$>:S0100A3.<\$
(Default)

4.28.2 Enable/Disable Reverse



Disable Reverse

\$>:S4000A3.<\$
(Default)



Enable Reverse

\$>:S4040A3.<\$

4.28.3 Setting CODE ID



Micro_PDF CODE ID setting

\$>: R001752.<\$



Exit setup



Enter setup

4.28.4 Scan length setting

The user can set the maximum and minimum length of the barcode scan. If the length of the barcode taken by Scan does not match the effective length set, the Scan code is unsuccessful, and the scanner will not send the content of the barcode to the host.

Scan barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, the barcode only recognizes the two lengths of Scan. If the maximum length is equal to the minimum length, only this length is supported.



Micro PDF Maximum decoding length
\$>: R001122.<\$



Micro PDF Minimum decoding length
\$>: R001142.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup" barcode
- 2) Scan "Micro PDF Minimum decoding length" barcode
- 3) Scan data code "4" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "Micro PDF Maximum decoding length" barcode
- 6) Scan data code: "6" "4" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup

4.29 QR Code

4.29.1 Enable/Disable scan

QR CODE Default Fixed open, so reading is without enable or disable



Fixed on

`$>:S010196.<$`

4.29.2 Enable/Disable Reverse



Enable Reverse

`$>:S020296.<$`

`(Default)`



Disable Reverse

`$>:S020096.<$`

4.29.3 CODE ID setting



QR CODE ID setting

`$>: R001562.<$`



Exit setup



Enter setup

4.29.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



QR Maximum decoding length
\$>: R000DC2.<\$



QR Maximum decoding length
\$>: R000DF2.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup" barcode
- 2) Scan "QR Maximum decoding length" barcode
- 3) Scan data code "4" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "QR Maximum decoding length" barcode
- 6) Scan data code: "6" "4" (in Appendix)
- 7) Scan "Save code" barcode (in Appendix)
- 8) Scan "Exit setup" barcode



Exit setup



Enter setup

4.30 Micro QR

4.30.1 Enable/Disable scan



Allow reading
\$>:S010198.<\$



Prohibit scan
\$>:S010098.<\$
(Default)

4.30.2 Enable/Disable Reverse



Disable reverse
\$>:S400098.<\$
(Default)



Enable reverse
\$>:S404098.<\$

4.30.3 CODE ID setting



MICRO QR CODE ID setting
\$>: R0015A2.<\$



Exit setup



Enter setup

4.30.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



MICRO QR Maximum decoding length
\$>: R000E52.<\$



MICRO QR Minimum decoding length
\$>: R000E72.<\$

Example: restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 20 bytes

- 1) Scan "Enter setup"
- 2) Scan "Micro QR Minimum decoding length"
- 3) Scan data code "4" (in Appendix)
- 4) Scan "Save code" barcode (in Appendix)
- 5) Scan "Micro QR Maximum decoding length"
- 6) Scan : "1" "4" (in Appendix)
- 7) Scan "Save" (in Appendix)
- 8) Scan "Exit setup"



Exit setup



Enter setup

4.31 Han Xin Code

4.31.1 Enable/Disable scan



Enable

\$>:S01019B.<\$



Disable

\$>:S01009B.<\$
(Default)

4.31.2 Enable/Disable reverse



Disable Reverse

\$>:S02009B.<\$
(Default)



Enable Reverse

\$>:S02029B.<\$

4.31.3 Setting CODE ID



Hanxin CODE ID setting

\$>: R001772.<\$



Exit setup



Enter setup

4.31.4 Scan length setting

The user can set the maximum and minimum length of barcode reading. If the read barcode length does not match the set effective length, the barcode reading is unsuccessful, and the scanner will not send the barcode content to the host.

The barcode length is composed of "minimum length" and "maximum length". If the maximum length is less than the minimum length, only barcodes of these two lengths can be read. If the maximum length is equal to the minimum length, only this length is supported.



HANXIN Maximum decoding length
\$>: R000F22.<\$



HANXIN Minimum decoding length
\$>: R000F42.<\$

Example: Restrict the scanner to only read barcodes with a minimum of 4 bytes and a maximum of 100 bytes

- 1) Scan "Enter setup"
- 2) Scan "HANXIN Minimum decoding length"
- 3) Scan "4" (in Appendix)
- 4) Scan "Save code" (in Appendix)
- 5) Scan "HANXIN Maximum decoding length"
- 6) Scan : "6" "4" (in Appendix)
- 7) Scan "Save " (in Appendix)
- 8) Scan "Exit setup" barcode"



Exit setup



Enter setup

5 Batch processing

When multiple settings are required to read the device, it may be cumbersome to set one by one. At this time, we can save all the information that needs to be set as a barcode information, and the device can complete multiple settings after reading the barcode.

The following are the guidelines for batch processing:

1. The format of each command in the batch command is command + parameter.
2. The command ends with a semicolon. Note that there can be no spaces between each command.
3. Make the command into a QR code in the coding software.
4. The batch command starts with `$>:BATCHST.<$` and starts with `$>:BATCHET.<$`

Note:

The batch instruction cannot contain data code. Where data codes are needed, specify them by command + parameters.

For example: Set [Set Custom Prefix] to [A], it will be expressed as follows in batch processing: `$>:R000505.<$41;`

classification	instruction	parameter	=CONCATENATE(B3,C3)	Do you have to
Start instruction	<code>\$>:BATCHST.<\$</code>		<code>\$>:BATCHST.<\$</code>	Must indicate that the batch instruction starts
Open barcode	<code>\$>:S01010F.<\$</code>		<code>\$>:S01010F.<\$;</code>	
All types of prefixes and suffixes are allowed	<code>\$>:S80804E.<\$</code>		<code>\$>:S80804E.<\$;</code>	
Allow adding custom prefixes	<code>\$>:S04044E.<\$</code>		<code>\$>:S04044E.<\$;</code>	
Set custom prefix	<code>\$>:R000505.<\$</code>	41	<code>\$>:R000505.<\$41;</code>	
Close barcode	<code>\$>:S01000F.<\$</code>		<code>\$>:S01000F.<\$;</code>	



Exit setup



Enter setup

End of instruction	\$>:BATCHET.<\$		\$>:BATCHET.<\$;	Must indicate that the batch instruction End
--------------------	-----------------	--	------------------	--

The synthetic instructions are as follows:

\$>:BATCHST.<\$>:S01010F.<\$;\$>:S80804E.<\$;\$>:S04044E.<\$;\$>:R000505.<\$41;
\$>:S01000F.<\$;\$>:BATCHET.<\$;



Exit setup



Enter setup

6 Appendix

6.1 System default setting table

Parameter Name		Default setting	Remark
System settings			
Barcode function		Off	
Barcode information		Not send	
Scan mode		Single mode	
Single mode	Single read time	3000ms	
Continuous mode	Single read time	3000ms	
	Read interval time	1000ms	
Trigger mode		Default (Command +Key)	Commands and keys are always on
Sensitivity mode		High	
Sleep mode		Disable	
Sleep time		5000ms	
Reading Success Tips		Enable	
Reading success VF		Medium	
Reading success tips time		80ms	
Reading success LED		Enable	
On beeper		Enable	
Indicate month		Beeper	
Illumination		Read code on	
Aim light		Read code on	



Exit setup



Enter setup

Parameter Name	Default setting	Remark
Interface setting		
Interface	USB HID-KBW	
USB	Button delay time	Button not delay time
	Country/keyboard language	U.S.A keyboard
	HID Send Mode	Send Original data
Rs232	Baud rate	9600
	Parity Bit	None parity
	Data Bits	8bits

Parameter Name	Default setting	Remark
Data format setting		
Enable all Prefix and Suffix	ON	
Set Prefix steps	CODEID+Custom +AIMID	
Add custom prefix	Off	Up to prefix 5 characters
Add AIMID prefix	Off]Cm
Add CODE ID prefix	Off	1or2 characters, uppercase or lowercase
Add Custom suffix	Off	Max suffix 5 characters
Add End suffix	On--0x0D	Enable , Enter
NGR Information	Not send	
Scan code customization	Non	



Exit setup



Enter setup

6.2 Barcode default setting table

Parameter Name	Default Setting	Remark
All reverse code	Disable	
All reverse 2D code	Enable	
Code128/AIM128/EAN128/NL128		
Enable	On	
Minimum length	2	
Maximum length	80	
UPC/EAN/ISSN/ISBN		
Enable	On	
2 bits additional code	read	
5 bits additional code	Read	
Must have additional code	Not required	
Extended to 13 bits	Not extended	
CODABAR		
Enable	On	
Parity	OFF	OFF:According to the bar code content, if the bar code contains check, send check; do not contain check, do not send; ON : At this point, the check bit will be used to check the decoded data, send or not according to the sending switch decision
Minimum length	5	
Maximum length	60	
CODE39		
Enable	On	



Exit setup



Enter setup

Parameter Name	Default Setting	Remark
Parity	OFF	
Support extension	OFF	
Support Full ASCII	On	
Minimum length	1	
Maximum length	50	
CODE 93		
Enable	On	
Parity	OFF	
Minimum length	5	
Maximum length	60	
CODE 11		
Enable	OFF	
Parity	OFF	
Minimum length	1	
Maximum length	80	
ITF-25/ITF-14/ITF-6/ Deutsche12/ Deutsche14		
Enable	On	
Parity	OFF	
Minimum length	6	
Maximum length	100	
INDUSTRIAL 25		
Enable	OFF	
Parity	OFF	
Minimum length	1	
Maximum length	80	
MATRIX 25		
Enable	OFF	
Parity	OFF	
Minimum length	6	
Maximum length	80	
Japan Matrix 25/NEC25		
Enable	OFF	
Parity	OFF	



Exit setup



Enter setup

Parameter Name	Default Setting	Remark
Minimum length	1	
Maximum length	80	
STANDARD 25		
Enable	OFF	
Parity	OFF	
Minimum length	1	
Maximum length	80	
DATALOGIC 25		
Enable	OFF	
Parity	OFF	
Minimum length	1	
Maximum length	1024	
MSI_PLESSEY		
Enable	OFF	
Parity	一位校验, MOD10	
Parity character	不发送	
Minimum length	1	
Maximum length	80	
PLESSEY		
Enable	OFF	
Minimum length	1	
Maximum length	80	
RSS-EXP/RSS_14/GS1 Data		
Enable	OFF	
TELEPEN		
Enable	OFF	
Minimum length	1	
Maximum length	80	
PharmaCode One-Track		
Enable	OFF	
Minimum length	1	
Maximum length	80	
PharmaCode Two-Track		



Exit setup



Enter setup

Parameter Name	Default Setting	Remark
Enable	OFF	
Minimum length	1	
Maximum length	80	
AZTEC		
Enable	OFF	
Minimum length	1	
Maximum length	1024	
CODABLOCK A		
Enable	OFF	
Minimum length	1	
Maximum length	1024	
CODABLOCK F		
Enable	OFF	
Minimum length	1	
Maximum length	1024	
DATA MATRIX		
Enable	On	
Reverse	<u>On</u>	
Minimum length	1	
Maximum length	3116	
MAXI		
Enable	OFF	
Minimum length	1	
Maximum length	1024	
PDF417		
Enable	On	
Reverse	<u>On</u>	
Minimum length	1	
Maximum length	2710	
MICRO PDF		
Enable	<u>OFF</u>	
Minimum length	1	
Maximum length	1024	



Exit setup



Enter setup

Parameter Name	Default Setting	Remark
QR		
Enable	On	
Reverse	<u>On</u>	
Minimum length	1	
Maximum length	4096	
MICRO QR		
Enable	<u>OFF</u>	
Minimum length	1	
Maximum length	35	
HANXIN		
Enable	OFF	
Minimum length	1	
Maximum length	1024	



Exit setup



Enter setup

6.3 AIM IDlist

Barcode types	AIM ID	Instruction
Code128/AIM128/EAN128/NL128	JC0	Common Code 128
UPC/EAN/ISSN/ISBN	JE0	Common EAN data
	JE1	EAN data to add 2 bit additional code
	JE2	EAN data to add 5 bits addition code
Codabar	JF0	Standard data packets, no special processing
	JF1	Used in the management of blood centers in the United States
	JF2	Check and send check characters
	JF4	Check, but do not send check characters
Code 39	JA0	None parity , no Full ASCII expansion. All data sent
	JA1	MOD 43Check, send check characters
	JA3	MOD 43 Check, but do not send check characters
	JA4	Full ASCII expansion, but None parity
	JA5	Expansion , MOD43check , send check characters
	JA7	Expansion , MOD43Check , but do not send check characters
CODE 93	JG0	Common data
Code11	JH0	MOD11Single Character Check, send check characters
	JH1	MOD11/MOD11 double character check, and send check characters
	JH3	Check, but do not send check characters
	JH9	不校验
ITF-25/ITF-14/ITF-6/ Deutsche12/ Deutsche14	JI0	None parity
	JI1	Check and send check characters
	JI3	Check, but do not send check characters
Industrial 2 of 5	JS0	NON
Matrix 25	JX0	Product specific definitions
	JX1	None parity
	JX2	MOD10Check, send check characters



Exit setup



Enter setup

Barcode types	AIM ID	Instruction
	JX3	MOD11Check, send check characters
Japan Matrix25/NEC25	JZ0	Common data
Standard 25	JZ0	Common data
Datalogic 25	JZ0	Common data
MSI-Plessey	JM0	MOD10Check, send check characters
	JM1	MOD10Check, but do not send check characters
	JM8	Tow parity
	JM9	Non Parity
Plessey	JP0	Common data
RSS-EXP /RSS_14/GS1	Je0	Common data
Telepen	JB0, JB1, JB2, JB4	Common data
PharmaCode One-Track		
PharmaCode Two-Track		
AZTEC	jz0-9,A-C	Common data
CodaBlock A	JZ0	Common data
CodaBlock F	JZ0	Common data
Data Matrix	jd0	ECC00 to ECC140 version
	jd1	ECC200 common version
	jd2	ECC200, FNC1 in No.1 or No.5
	jd3	ECC200, FNC1 in No.2 or No.6
	jd4	ECC200, included ECI data
	jd5	ECC200, FNC in No.1 or No.5, or included ECI data.
	jd6	ECC200, FNC1 in No.2 or No.5 orr Included ECI data
MaxiCode	JU0	Common data
	JU1	Common data
	JU2	Common data
	JU3	Common data
PDF417	JL0	1994PDF417 standard



Exit setup



Enter setup

Barcode types	AIM ID	Instruction
Micro PDF417		
QR	JQ0	Model 1version
	JQ1	2005standard version , no ECI data
	JQ2	2005 standard version , have ECI data
	JQ3	2005standard version , no ECI data , FNC1 in No.1
	JQ4	2005Standard version,have ECI data , FNC1in No.2
	JQ5	2005Standard version , no ECI data , FNC1 in No.1
	JQ6	2005standard, have ECI data , FNC1in No.2
Micro QR	JZ0	Common data
HAN XIN		

6.4 Code ID list

Barcode type	Code ID
Code128/AIM128/EAN128/NL128	j
UPC/EAN/ISSN/ISBN	d
CODABAR	a
CODE 39	b
CODE 93	i
CODE 11	H
ITF-25/ITF-14/ITF-6/ Deutsche12/ Deutsche14	e
Industrial 25	D
MATRIX25	v
Japan Matrix 25/NEC 25	q
Standard 25	s
Datalogic 25	w
MSI-Plessey	m
Plessey	p
RSS-EXP /RSS_14/GS1 Data	y
Telepen	t



Exit setup



Enter setup

Pharma_One	y
Pharma_Two	Y
AZTEC	Z
Codablock A	h
Codablock F	k
Data Matrix	u
Maxi CODE	x
PDF417	r
Micro PDF	R
QR code	s
Micro QR	S
HAN XIN	g



Exit setup



Enter setup

6.5 ASCII code

HEX	Decimal base	Character
00	0	NUL (Null char.)
01	1	SOH (Start of Header)
02	2	STX (Start of Text)
03	3	ETX (End of Text)
04	4	EOT (End of Transmission)
05	5	ENQ (Enquiry)
06	6	ACK (Acknowledgment)
07	7	BEL (Bell)
08	8	BS (Backspace)
09	9	HT (Horizontal Tab)
0a	10	LF (Line Feed)
0b	11	VT (Vertical Tab)
0c	12	FF (Form Feed)
0d	13	CR (Carriage Return)
0e	14	SO (Shift Out)
0f	15	SI (Shift In)
10	16	DLE (Data Link Escape)
11	17	DC1 (XON) (Device Control 1)
12	18	DC2 (Device Control 2)
13	19	DC3 (XOFF) (Device Control 3)
14	20	DC4 (Device Control 4)
15	21	NAK (Negative Acknowledgment)
16	22	SYN (Synchronous Idle)
17	23	ETB (End of Trans. Block)
18	24	CAN (Cancel)
19	25	EM (End of Medium)
1a	26	SUB (Substitute)
1b	27	ESC (Escape)
1c	28	FS (File Separator)
1d	29	GS (Group Separator)
1e	30	RS (Request to Send)
1f	31	US (Unit Separator)



Exit setup



Enter setup

HEX	Decimal base	Character
20	32	SP (Space)
21	33	! (Exclamation Mark)
22	34	" (Double Quote)
23	35	# (Number Sign)
24	36	\$ (Dollar Sign)
25	37	% (Percent)
26	38	& (Ampersand)
27	39	` (Single Quote)
28	40	((Right / Closing Parenthesis)
29	41) (Right / Closing Parenthesis)
2a	42	* (Asterisk)
2b	43	+ (Plus)
2c	44	, (Comma)
2d	45	- (Minus / Dash)
2e	46	. (Dot)
2f	47	/ (Forward Slash)
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	: (Colon)
3b	59	; (Semi-colon)
3c	60	< (Less Than)
3d	61	= (Equal Sign)
3e	62	> (Greater Than)
3f	63	? (Question Mark)
40	64	@ (AT Symbol)
41	65	A
42	66	B



Exit setup



Enter setup

HEX	Decimal base	Character
43	67	C
44	68	D
45	69	E
46	70	F
47	71	G
48	72	H
49	73	I
4a	74	J
4b	75	K
4c	76	L
4d	77	M
4e	78	N
4f	79	O
50	80	P
51	81	Q
52	82	R
53	83	S
54	84	T
55	85	U
56	86	V
57	87	W
58	88	X
59	89	Y
5a	90	Z
5b	91	[(Left / Opening Bracket)
5c	92	\ (Back Slash)
5d	93] (Right / Closing Bracket)
5e	94	^ (Caret / Circumflex)
5f	95	_ (Underscore)
60	96	' (Grave Accent)
61	97	a
62	98	b
63	99	c
64	100	d
65	101	e



Exit setup



Enter setup

HEX	Decimal base	Character
66	102	f
67	103	g
68	104	h
69	105	i
6a	106	j
6b	107	k
6c	108	l
6d	109	m
6e	110	n
6f	111	o
70	112	p
71	113	q
72	114	r
73	115	s
74	116	t
75	117	u
76	118	v
77	119	w
78	120	x
79	121	y
7a	122	z
7b	123	{ (Left/ Opening Brace)
7c	124	(Vertical Bar)
7d	125	} (Right/Closing Brace)
7e	126	~ (Tilde)
7f	127	DEL (Delete)



Exit setup



Enter setup

6.6 CTRL+mode output

Non-printable ASCII control characters			Keyboard Control + ASCII (CTRL+X) Mode		
DEC	HEX	Char	Control + X Mode Off	Windows Mode Control + X Mode On	
				CTRL + X	CTRL + X function
0	00	NUL	NULL	CTRL+ @	
1	01	SOH	NP Enter	CTRL+A	Select all
2	02	STX	Caps Lock	CTRL+B	Bold
3	03	ETX	Right Arrow	CTRL+C	Copy
4	04	EOT	Up Arrow	CTRL+D	Bookmark
5	05	ENQ	NULL	CTRL+E	Center
6	06	ACK	NULL	CTRL+F	Find
7	07	BEL	Enter	CTRL+G	
8	08	BS	Left Arrow	CTRL+H	History
9	09	HT	Tab	CTRL+I	Italic
10	0A	LF	Down Arrow	CTRL+J	Justify
11	0B	VT	Tab	CTRL+K	hyperlink
12	0C	FF	Backspace	CTRL+L	list, left align
13	0D	CR	Enter / Ret	CTRL+M	
14	0E	SO	Insert	CTRL+N	New
15	0F	SI	ESC	CTRL+O	Open
16	10	DLE	F11	CTRL+P	Print
17	11	DC1	Home	CTRL+Q	Quit
18	12	DC2	PrtScn	CTRL+R	
19	13	DC3	Delete	CTRL+S	Save
20	14	DC4	Tab+shift	CTRL+T	
21	15	NAK	F12	CTRL+U	
22	16	SYN	F1	CTRL+V	Paste
23	17	ETB	F2	CTRL+W	
24	18	CAN	F3	CTRL+X	
25	19	EM	F4	CTRL+Y	
26	1A	SUB	F5	CTRL+Z	
27	1B	ESC	F6	CTRL+[
28	1C	FS	F7	CTRL+\	
29	1D	GS	F8	CTRL+]	
30	1E	RS	F9	CTRL+^	
31	1F	US	F10	CTRL+_	



Exit setup



Enter setup

6.7 Data code

0 ~ 9



\$>:N000000.<\$

0



\$>:N000001.<\$

1



\$>:N000002.<\$

2



\$>:N000003.<\$

3



\$>:N000004.<\$

4



\$>:N000005.<\$

5



\$>:N000006.<\$

6



\$>:N000007.<\$

7



Exit setup



Enter setup



\$>:N000008.<\$

8



\$>:N000009.<\$

9

A ~ F



\$>:N00000A.<\$

A



\$>:N00000B.<\$

B



\$>:N00000C.<\$

C



\$>:N00000D.<\$

D



\$>:N00000E.<\$

E



\$>:N00000F.<\$

F



Exit setup



Enter setup

Save or Cancel



\$>:N000012.<\$
0X12

Save



\$>:N000010.<\$
0X10

Cancel previous read one data



\$>:N000011.<\$
0X11

Cancel previous all data



Exit setup