Content

GeneralProgrammingCodes

How to use programming codes

Read the “Open Programming Mode” to activate the settings. It could read not only one programming mode to finish the setting.

Programming data can be sent to the host. Factory default is no sending programming info to the host, sending programming expanded info or sending programming all info these two settings are to send the settings to the host

Factory default is set as opening programming mode. Due to the very small probability of data code to be same with the setup code, it is no need to close programming mode after every setting, and keeping the programming mode open will not influence the operation.

Note: “Expanded info” is the code which is not used in SETTING128. The setup code (fixed is 7 bytes) as the following table, the “-” could be data. As long as it does not meet the following SETTING128 are “expanded info”.

BYTE1	BYTE2	BYTE3	BYTE4	BYTE5	BYTE6	BYTE7
W	-	-	-	-	-	-
F	0	0	0	0	0	-
M	0	0	0	-	-	-
D	0	0	0	0	0	-
D	0	0	0	0	1	-

Open Programming Mode

Close Programming Mode

No Sending Programming Info

Sending Programming Expanded Info

Sending Programming All Info

Default Setting

Factory default

All readers have a factory default setting. Scan the “Return to Factory Default”, all the product attributes return to factory default.

In case you are most likely to use this code:

1、If the setting is wrong, the reader could not decode the bar code.

2、You forget the setting you did for the reader, and not want to be influenced by the previous setting。

3、After finishing the setting with a less frequently used function

Return to Factory Default

Serial Mode

When the serial mode is non-visible character command and visible character command, defaulted is non-visible character command.

Non-Visible Character Command

Visible Character Command

Decode Normal and Inverse Data

After scan the decode normal and inverse data, decode the normal bar code first, if it is not success, then decode the inverse bar code.

Decode the Normal Data

Decode the Normal and Inverse Data

Reading Mode

Manual Mode

Default setting, the scanner starts reading the bar code in pressing the trigger and stop reading the code after good read or release the trigger.

Manual Mode

In manual mode, the decoding time can be set from 0~255s, when the decoding time is set 0, it means no limit time for reading code.

Decoding Time

For example: decoding time is 5s, setting is as below:

1.Scan “Decoding Time”

2.Scan the number “5”

3.Save the setting

Auto Reading Mode

After scan the auto reading mode, press the trigger button the scanner will read the code and automatically read the next code after interval(set), the scanner will stop

reading code till the user press the trigger button again. When defaulted, it is not allowed to repeat reading the same code.

Auto Reading

In auto reading mode, the decoding time can be set from 0~255s, when the decoding time is set 0, it means no limit time for reading code.

Decoding Time

When scan the enable repeat the same code, the scanner will read one code and automatically read the next code; and it will stop reading code till you press the trigger button.

When scan the disable repeat the same code, the scanner will read one code and automatically read the next code. If the next code is same as the previous one, the scanner will be waiting status, and decode again till the decoding same code time is out. When the code is not repeated, the scanner will read the code continuously and stop reading code after press the trigger button.

Enable Repeat the Same Code

Disable Repeat the Same Code

Decoding Same Code Time

The interval unit is 100ms, set from 0.1~25.5s. If interval is set as 0, it means no limit time for decoding same code.

For example: the interval is set as 5000ms, the setting is as below:

1、Read “Enable Repeat the Same Code”

2、Read the number “5”“0”

3、Save the setting

Decoding Different Code Interval

The Interval unit is 100ms, set from 0~25.5s.

For example: the interval is set as 5000ms, the setting is as below:

1、Read “Decoding Different Code Interval”

2、Read the number “5”“0”

3、Save the setting

Auto-Sensor Mode

After the setting, the scanner will detect the environment without trigger. After read one code, the scanner will be detection status and waiting for the next environment change. In this mode, the scanner can read the code with pressing the trigger button. The sensitivity of the scanner to the surrounding environment can be set.

Auto-Sensor Mode

In auto-sensor mode, the scanning time could be set, and the sensitive time could be set as well.

Scanning Time Mode

Sensitive Time Mode

The sensitive time unit is 100ms from 0~25.5s.

For example: the sensitive time is 5000ms, the setting is as below:

1、Read “Sensitive Time Mode”

2、Read the number “5”“0”

3、Save the setting

Sensitivity is the sense degree that the scanner detects the surrounding change environment in decoding. Users can set the sensitive according to their own using environment to improve the decode efficiency.

High Sensitivity

Medium Sensitivity

Low Sensitivity

Custom Sensitivity

In auto-sensor mode, the sensitivity is set from 0-255, the smaller value, the higher sensitivity level.

For Example: set the sensitivity of 10 as below:

1、Read “Custom Sensitivity”

2、Read the number “1”“0”

3、Save setting

Command Trigger Reading Mode

In this mode, need to control the trigger to read the code.

Command Trigger Reading Mode

Decoding Status Prompt

If decode is not success, the scanner will output a prompt as F that means the reading is not success, and output a prompt as S that means the reading is success.

Disable Decoding Status Prompt

Enable Decoding Status Prompt

Speaker

Close the Speaker

Open the Speaker

Low Frequency Volume

Medium Frequency Volume

High Frequency Volume

Volume Length 40ms

Volume Length 80ms

Volume Length 120ms

Other Settings

Temporary Mute Setting

The setting is temporary, when the scanner is reset or power off, the setting will turn to be close mute automatically.

Enable Temporary Mute

Close Mute

Temporary LED Setting

The setting is temporary, the LED of the scanner is turned to be on when reading code after the scanner is reset or power off.

LED Temporary Off

LED Temporary On

Reading LED On

Communications

Brief

The reader can used for the interfaces of RS232、USB VCOM、USB-KBW、USB-POS、PS2-KBW. RS232 is usable when no connecting to other interfaces. The scanner needed to be set with the related baud rate before using. Other interfaces could be converted to each other with setting, defaulted is USB-KBW.

The communication order of RS232、USB VCOM and USB-POS is same.

Communications Settings

USB-KBW

USB VCOM

USB-POS

RS232

PS2-KBW

Serial Parameters Settings

Baud Rate Setting

When the scanner connect to the host with RS232, the two machine needed to be set the same baud rate in order to communicate normally.

Baud Rate is the transmission bit(8 bits one byte) per second in RS232 communication. The reader should keep the same baud rate with the host to ensure accurate data transmission. The reader support the baud rate unit is bit/s as below:

Baud Rate 9600

Baud Rate 1200

Baud Rate 2400

Baud Rate 4800

Baud Rate 14400

Baud Rate 19200

Baud Rate 38400

Baud Rate 57600

Baud Rate 115200

Check

Serial Parity-None

Serial Parity-Even

Serial Parity-Odd

Stop Bit

1 Stop Bit

2 Stop Bits

Fluid Control

None

RTS

CTS

RTS_CTS

Data Bit

8 Data Bits

8 Data Bits, None Serial Parity, 1 Stop Bit

8 Data Bits, Even Serial Parity, 1 Stop Bit

8 Data Bits, Odd Serial Parity, 1 Stop Bit

8 Data Bit, None Serial Parity, 2 Stop Bits

8 Data Bits, Even Serial Parity, 2 Stop Bits

8 Data Bits, Odd Serial Parity, 2 Stop Bits

7 Data Bits

7 Data Bits, Even Serial Parity, 1 Stop Bit

7 Data Bits, Odd Serial Parity, 1 Stop Bit

7 Data Bits, Even Serial Parity, 2 Stop Bit

7 Data Bits, Odd Serial Parity, 2 Stop Bit

KBW Settings

Keyboard Wedge

Three Input Mode:

Keyboard Standard Input Mode

Standard Input Mode

Wand Emulation

In order to input any ASCII character （16 hexadecimal value from 0x00～0xff）in any kind of language, the wand emulation can be set as wand emulation input character mode. When open the Wand Emulation Input Character Mode, input the data corresponding ASCII character, the scanner will read the code with wand emulation as below:

1、Keep pressing the “ALT”

2、Input the number keys in the digital keyboard in order according the character code.

3、Release “ALT”

Emulation Input Character Mode

Emulation Input Control Characters

The 16 HEX from 0x00~0x1F of ASCII values could be matched to some control function keys. In emulation keyboard, the control function keys input as the following: the specific ASCII values match the keys details see below table

1、Keep pressing “Ctrl”

2、Press the pointed control keys

3、Release the “Ctrl” and control keys

Emulation Input Control Characters

Emulation Keyboard Input Control Characters Pairing Table

ASCII Function	ASCII Value(HEX)	No Function Key Mapping	Function Key Mapping
NUL	00	Null	Crtl+2
SOH	01	Keypad Enter	Crtl+A
STX	02	Caps lock	Crtl+B
ETX	03	Null	Crtl+C
EOT	04	Null	Crtl+D
ENQ	05	Null	Crtl+E
ACK	06	Null	Crtl+F
BEL	07	Enter	Crtl+G
BS	08	LeftArrow	Crtl+H

HT	09	Tab	Crtl+I
LF	0A	DownArrow	Crtl+J
VT	0B	Tab	Crtl+K
FF	0C	Delete Forward	Crtl+L
CR	0D	Enter	Crtl+M
SO	0E	Insert	Crtl+N
SI	0F	Escape	Crtl+O
DLE	10	F11	Crtl+P
DC1	11	Home	Crtl+Q
DC2	12	PrintScreen	Crtl+R
DC3	13	Delete	Crtl+S
DC4	14	tab+shift	Crtl+T
NAK	15	F12	Crtl+U
SYN	16	F1	Crtl+V
ETB	17	F2	Crtl+W
CAN	18	F3	Crtl+X
EM	19	F4	Crtl+Y
SUB	1A	F5	Crtl+Z
ESC	1B	F6	Crtl+ [
FS	1C	F7	Crtl+\
GS	1D	F8	Crtl+]
RS	1E	F9	Crtl+6
US	1F	F10	Crtl+ -

The last five “Function Key Mapping” as above table, character 0X1B~0X1F

corresponding layout is US keyboard, if it is other country keyboard, see the value as below:

Country	Code					
United States	[	\	]	6	-	
Belgium	[	<	]	6	-	
Scandinavia	8	<	9	6	-	
France	^	8	$	6	=	
Germany	Ã	+	6	-		
Italy	\	+	6	-		
Switzerland	<	..	6	-		
United Kingdom	[	¢	]	6	-	
Denmark	8	\	9	6	-	
Norway	8	\	9	6	-	
Spain	[	\	]	6	-	

Emulation Number Mini Keyboard

Close this function, all output data is as big keyboard corresponding keys.

Open this function, when Num Lock is turned on, if the scanner decoded number is from “0~9”, the output data is as emulation number mini keyboard corresponding keys. If the scanner decoded number is excluded from “0~9”, and including the characters of “+” “_” “*” “/” “.” , the output data is as big keyboard corresponding keys. When Num Lock is turned off, all output data is as bi keyboard corresponding keys.

If open “Emulation Input Character” function, this function is invalid.

Disable Emulation Number Mini Keyboard

Enable Emulation Number Mini Keyboard

Keyboard Layout

No.1: US English

No.2: Belgium

No.3: Brasil

No.4: Canada

No.5: Czechoslovakia

No.6: Denmark

No.7: Finland

No.8: France

No.9: Austria

No.10: Greece

No.11: Hungary

No.12: Israel

No.13: Italy

No.14:Latin America

No.15: Netherland

No.16: Norway

No.17: Poland

No.18: Portugal

No.19: Romania

No.20: Russia

No.21: Slovakia

No.22: Spain

No.23: Sweden

No.24: Switzerland

No.25: Turkey 1

No.26: Turkey 2

No.27: English

No.28: Japan

Time-delay Between Characters

Time-delay between characters from 0~15ms ,the unit is 5ms,total 3 class,default is 0ms.

No Delay

5ms Delay

10ms Delay

15ms Delay

Letters Conversion

In standard mode and emulation mode

No Conversion

All Capital Letter

All Lower-Case Letter

Case Conversion

F1~F12

In mode of USB-KBW and PS2-KBW，for user's convenience to use F1~F2 with the following setting:

KBW Output F1

KBW Output F2

KBW Output F3

KBW Output F4

KBW Output F5

KBW Output F6

KBW Output F7

KBW Output F

KBW Output F9

KBW Output F10

KBW Output F11

KBW Output F12

Data Format

Brief

The scanner reads the bar code and outputs the data which could be number, letter and character, etc. The data is the information of the bar code.

In the practical application, we may require not only a bar code data, or say that the bar code containing the data which can not meet your requirement. If you want to know the code type, or when you scan the code, or you want to scan one code and let the code enter to next line on your bar code text, all these functions are not included in the bar code.

If add these functions in the bar code, the code will be too long and not flexible, we do not prefer to do this way. We change our mind to add something before or after the code as your requirement. We can add or screen something which is prefix or suffix, in this way we can meet our customers' need without chang the code's original information.

TIPS: Steps: Add prefix/suffix (except for ending suffix) first, then add ending suffix.

Prefix In Order

W013100

CodeID+User-Defined+AIMID

W013101

User-Defined+CodeID+AIM

User-Defined Prefix

Enable or Disable User-Defined Prefix

User-Defined prefix is to add the characters before the code, the characters should not more than 5 digits.

For example, enable user-defined prefix and set it as “AB”, code is “123”, the scanner will add “AB” before the code “123”, and output on terminal shows “AB123”.

Disable User-Defined Prefix

Enable User-Defined Prefix

Define the User-Defined Prefix

Firstly read “Enable User-Defined Prefix”, and read the every byte’s 16 hex value of set prefix in turn.

Enable User-Defined Prefix

Example

Set user-defined prefix as “CODE”（16 hex value is 0x43/0x4F/0x44/0x45）:

1. Read “Enable User-Defined Prefix”
2. Read the following number: “4” “3” “4” “F” “4” “4” “4” “5”
3. Read “Close Programming Mode”

After setting, when you scan “Allow Adding User-Defined Prefix”, and then scan the bar code, the scanner will add the user-defined prefix “CODE” before the barcode.

AIM ID Prefix

AIM is abbreviation of Automatic Identification Manufacturers, AIMID defines the identification code for each type of standard code, details see the appendix AIM ID. The scanner can add the ID before the bar code after decoding, which is AIMID prefix.

Disable AIM-ID Output

Enable AIM-ID Output

Code ID Prefix

Except for AIM can used for identify the code type, user also can use CODE ID prefix to identify the code type. Different with AIM prefix, every code type's corresponding Code ID prefix can be defined.

All Code's ID is 1 or 2 characters which should be letters but not number, invisible character or punctuation.

Disable CodeID Prefix

Enable CodeID Prefix

Return all CODEID to Default

User-Defined Suffix

Forbid and Allow Adding User-Defined Suffix

User-Defined Suffix is to add the user-defined character after the code.

For example, enable user-defined suffix and set the suffix as "AB", code is "123", the scanner will add "AB" after the code "123", and output on terminal shows

“123AB”.

Disable User-Defined Suffix

Enable User-Defined Suffix

Define the User-Defined Suffix

Firstly read “Enable User-Defined Suffix”, and read the every byte’s 16 hex value of set suffix in turn.

Enable Suffix

Example

Set User-Defined Suffix as “AGE”（16 Hex Value is0x41/0x47/0x45）:

1. Read “Enable User-Defined Suffix”
2. Read the following number: “4” “1” “4” “7” “4” “5”
3. Read “Close Programming Mode”

After setting, once you scan “Allow Adding User-Defined Suffix”, and then scan the bar code, the scanner will add the user-defined suffix “AGE” after the barcode.

Tailed Suffix

Disable or Enable Tailed Suffix

Tailed Suffix is used to mark the end of a complete code. Tailed suffix should be something after the code, and there will be nothing after it.

The difference of tailed suffix and user-defined suffix is the user-defined suffix,

code and prefix, etc that could be formated, but the tailed suffix could not.

Disable Tailed Suffix

Enable Tailed Suffix

Define Tailed Suffix

Firstly read “Enable Tailed Suffix”, and read the every byte’s 16 hex value of set prefix in turn.

Enable Tailed Suffix

Enable Tailed Suffix 0x0D

Enable Tailed Suffix 0x0D,0x0A

Enable Tailed Suffix 0x09

Example

Set user-defined suffix as “AGE”（16 HEX Value is 0x41/0x47/0x45）:

1. Read “Enable Tailed Suffix”
2. Read the following number “4” “1” “4” “7” “4” “5”
3. Read “Close Programming Mode”

After setting, once you scan “Enable Tailed Suffix”, and then scan the bar code, the scanner will add the tailed suffix “AGE” after the bar code.

Code Parameters Setting

Brief

Every type code has its own unique attributes, the settings from this chapter can adjust the reader to adapt to the different attributes. You can also ban the reader not to read the code not to be used to improve the performance.

Open/Close 1D Code

Disable All Code Types

After read the “Disable All Code Types”, the reader can read the setting code only, will not read all the 1D code except for the setting code.

Disable All Code Types

Enable All Code Types

Read “Enable All Code Types”, the reader will read all 1D codes.

Enable All Code Types

Code 128

Return to Default

After reading this code, all the parameters of Code 128 will be returned to factory default.

Return Code128 to Default

Enable/Disable Code 128

*Enable Code 28

Disable Code 128

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Code 128-Enable CODEID

Set the CodeID of Code128 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”，“0” (See Appendix- Data Code)
3. Read “Save”

Code Length Limit

The scanner can only read the the code length within the limited of code 128, the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of code 128 is out of the limit, the scanner will

not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Code 128 Maximum Length

Code 128 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

UCC/EAN-128

Return to Default

After read this setting, the parameters of UCC/EAN-128 will be returned to factory default.

Return UCC/EAN-128 to default

Enable / Disable UCC/EAN-128

Enable UCC/EAN-128

Enable as Code 128

Disable UCC/EAN-128

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

UCC/EAN-128- Enable CODEID

Set the CodeID of UCC/EAN-128 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Code Length Limit

The scanner can only read the the code length within the limited of code UCC/EAN-128, the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of code UCC/EAN-128 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length ” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

UCC/EAN-128 Maximum Length

UCC/EAN-128 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

AIM 128

Return to Default

After read this setting, the parameters of AIM 128 will be returned to factory default.

Return AIM 128 to Default

Enable/Disable AIM 128

Enable AIM 128

Enable as Code 128

Disable AIM 128

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

AIM 128 - Enable CODEID

Set the CodeID of AIM 128 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Code Length Limit

The scanner can only read the the code length within the limited of code AIM 128,

the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of code AIM 128 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

AIM 128 Maximum Length

AIM 128 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

EAN-8

Return to Default

After read this setting, the parameters of EAN-8 will be returned to factory default

Return EAN-8 to Default

Enable/Disable EAN-8

Enable EAN-8

Disable EAN-8

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

EAN-8 - Enable CODEID

Set the CodeID of EAN-8 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”, “0” (See Appendix- Data Code)
3. Read “Save”

Enable/Disable 2 Digit Supplements

2 supplements - to add 2 digits after the code

Disable Supplements - 2 Digits Only

Enable Supplements - 2 Digits Only

Enable/Disable 5 Digit Supplements

5 supplements - to add 5 digits after the code

Disable Supplements - 5 Digits Only

Enable Supplements - 5 Digits Only

Enable/Disable 2&5 Digit Supplements

To enable one of the “Enable Supplements - 2 Digits Only” and “Enable Supplements - 5 Digits Only”, this setting will be valid.

No Require 2 or 5 Digit Supplements

Require 2 or 5 Digit Supplements

Expanding Setting

"No Expanding to 13 Digit EAN-13" is to keep the same code type and digits, no expansion.

"Expanding to 13 Digit-Front Add 0" is to expand the code digit but not change the code type.

"Expanding and Converted to be EAN-13" is to expand the code type and digits.

No Expanding to 13 Digit EAN-13

Expanding to 13 Digit-Front Add 0

Expanding and Converted to EAN-13

Enable or Disable Check Digit

Code EAN-8 has 8 characters, the number 8 is check digit which use to make sure the correctness of the all 8 characters.

Enable Check Digit

Disable Check Digit

EAN-13

Return to Default

After read this setting, the parameters of EAN-13 will be returned to factory default

Return EAN-13 to Default

Enable/Disable EAN-13

Enable EAN-13

Disable EAN-13

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

EAN-13 Enable CODEID

Set the CodeID of EAN-13 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Enable/Disable 2 Digit Supplements

2 supplements - to add 2 digits after the code

Disable Supplements - 2 Digits Only

Enable Supplements - 2 Digits Only

Enable/Disable 5 Digit Supplements

5 supplements - to add 5 digits after the code

Disable Supplement-5 Digit Only

Enable Supplement-5 Digit Only

Enable/Disable 2 &5 Digit Supplements

To enable one of the “Enable Supplements - 2 Digits Only” and “Enable Supplements - 5 Digits Only”, this setting will be valid.

No Require 2 or 5 Digit Supplements

Require 2 or 5 Digit Supplements

Enable or Disable Check Digit

Code EAN-13 has 13 characters, the number 13 is check digit which use to make sure the correctness of the all 13 characters.

Enable Check Digit

Disable Check Digit

ISSN

Return to Default

After read this setting, the parameters of ISSN will be returned to factory default

Return ISSN to Default

Enable/Disable ISSN

Enable ISSN

Enable as EAN-13

Disable ISSN

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

ISSN - Enable CODEID

Set the CodeID of ISSN as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

ISBN

Return to Default

After read this setting, the parameters of ISBN will be returned to factory default

Return ISBN to Default

Enable/DisableISBN

Enable ISBN

Enable as EAN-13

Disable ISBN

ISBN Data Bit

13 Data Bits

10 Data Bits

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

ISBN - Enable CODEID

Set the CodeID of ISBN as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

UPC-E

Return to Default

After read this setting, the parameters of UPC-E will be returned to factory default

Return UPC-E to Default

Enable/Disable UPC-E

Enable UPC-E

Disable UPC-E

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

UPC-E - Enable CODEID

Set the CodeID of UPC-E as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Enable/Disable 2 Digit Supplements

2 supplements - to add 2 digits after the code

Disable Supplements-2 Digit Only

Enable Supplements-2 Digit Only

Enable/Disable 5 Digit Supplements

5 supplements - to add 5 digits after the code

Disable Supplements- 5 Digit Only

Enable Supplements-5 Digit Only

Enable/Disable 2&5 Digit Supplements

To enable one of the “Enable Supplements - 2 Digits Only” and “Enable Supplements - 5 Digits Only”, this setting will be valid.

No Require 2 or 5 Digit Supplements

Require 2 or 5 Digit Supplements

Enable / Disable Country Code、System Code

Disable Country Code, Disable System Code

Disable Country Code, Enable System Code

Enable Country Code, Enable System Code

Expanding Setting

“No Expanding ” is to keep the same code type and digits, no expansion.

“Expanding to UPC-A” is to expand the code digit but not change the code type.

“Expanding and Converted to be UPC-A” is to expand the code type and digits.

No Expanding

Expanding to UPC-A

Expanding and Converted to be UPC-A

Enable/Disable Check Digit

Code UPC-E has 8 characters, the number 8 is check digit which use to make sure the correctness of the all 8 characters.

Enable Check Digit

Disable Check Digit

UPC-A

Return to Default

After read this setting, the parameters of UPC-A will be returned to factory default

Return UPC-A to Default

Enable/Disable UPC-A

Enable UPC-A

Enable as EAN-13

Disable UPC-A

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

UPC-A- Enable CODEID

Set the CodeID of UPC-A as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”, “0” (See Appendix- Data Code)
3. Read “Save”

Enable/Disable 2 Digit Supplements

2 supplements - to add 2 digits after the code

Disable Supplement - 2 Digit Only

Enable Supplement - 2 Digit Only

Enable/Disable 5 Digit Supplements

2 supplements - to add 2 digits after the code

Disable Supplement - 5 Digit Only

Enable Supplement - 5 Digit Only

Enable/Disable 2&5 Digit Supplements

To enable one of the “Enable Supplements - 2 Digits Only” and “Enable Supplements - 5 Digits Only”, this setting will be valid.

No Require 2 or 5 Digit Supplements

Require 2 or 5 Digit Supplements

Enable / Disable Country Code、System Code

Disable Country Code, Disable System Code

Disable Country Code, Enable System Code

Enable Country Code, Enable System Code

Enable/Disable Check Digit

Code UPC-A has 13 characters, the number 13 is check digit which use to make sure the correctness of the all 13 characters.

Enable Check Digit Disable Check Digit

Interleaved 2 of 5

Return to Default

After read this setting, the parameters of Interleaved 2 of 5 will be returned to factory default

Return Interleaved 2 of 5 to Default

Enable/Disable Interleaved 2 of 5

Enable Interleaved 2 of 5

Disable Interleaved 2 of 5

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Interleaved 2 of 5 - Enable CODEID

Set the CodeID of Interleaved 2 of 5 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”，“0” (See Appendix- Data Code)
3. Read “Save”

Check

Interleaved 2 of 5 not limit to include the check digit, if there is check digit, the last character will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

If “check and no transmit check digit”, the scanner will take the last character as check digit. If check success , the scanner will transmit the normal data except for the check digit, if check fail, the scanner will not read the code.

If “check and transmit the check character”, the scanner will the last character as check digit. If check success, the scanner will transmit the code and the check digit as the last character together, if check fail, the scanner will not read the code.

None

Check and No Transmit Check Digit

Check and Transmit Check Digit

Code Length Limit

The scanner can only read the the code length within the limited of code Interleaved 2 of 5, the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of code Interleaved 2 of 5 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Interleaved 2 of 5 Maximum Length

Interleaved 2 of 5 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the

maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

ITF-6

Return to Default

After read this setting, the parameters of ITF-6 will be returned to factory default

Return ITF-6 to Default

Enable/Disable ITF-6

Enable ITF-6 No Transmit Check Character

Enable ITF-6 Transmit Check Character

Disable ITF-6

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

ITF-6 - Enable CODEID

Set the CodeID of ITF-6 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”

2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

ITF-14

Return to Default

After read this setting, the parameters of ITF-14 will be returned to factory default

Return ITF-14 to Default

Enable/Disable ITF-14

Enable ITF-14 No Transmit Check Character

Enable ITF-14 Transmit Check Character

Disable ITF-14

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

ITF-14 - Enable CODEID

Set the CodeID of ITF-14 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Deutsche 14

Return to Default

After read this setting, the parameters of Deutsche 14 will be returned to factory default.

Return Deutsche 14 to Default

Enable/Disable Deutsche 14

Enable Deutsche 14 No Transmit Check Character

Disable Deutsche 14

Enable Deutsche 14 Transmit Check Character

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Deutsche 14- Enable CODEID

Set the CodeID of Deutsche 14 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Deutsche 12

Return to Default

After read this setting, the parameters of Deutsche 12 will be returned to factory default

Return Deutsche 12 to Default

Enable/Disable Deutsche 12

Enable Deutsche 12 No Transmit Check Character

Disable Deutsche 12

Enable Deutsche 12 Transmit Check Character

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Deutsche 12 - Enable CODEID

Set the CodeID of Deutsche 12 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Matrix 2 of 5(European Matrix 2 of 5)

Return to Default

After read this setting, the parameters of Matrix 2 of 5 will be returned to factory default

Return Matrix 2 of 5 to Default

Enable/Disable Matrix 2 of 5

Enable Matrix 2 of 5

Disable Matrix 2 of 5

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Matrix 2 of 5- Enable CODEID

Set the CodeID of Matrix 2 of 5 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Check

Matrix 2 of 5 not limit to include the check digit, if there is check digit, the last character will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

If “check and no transmit check digit”, the scanner will take the last character as check digit. If check success , the scanner will transmit the normal data except for the check digit, if check fail, the scanner will not read the code.

If “check and transmit the check character”, the scanner will the last character as check digit. If check success, the scanner will transmit the code and the check digit as the last character together, if check fail, the scanner will not read the code.

None

Check and No Transmit Check Digit

Check and Transmit Check Digit

Code Length Limit

The scanner can only read the the code length within the limited of code Matrix 2 of 5, the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of code Matrix 2 of 5 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Matrix 2 of 5 Maximum Length

Matrix 2 of 5 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

Industrial 25

Return to Default

After read this setting, the parameters of Industrial 25 will be returned to factory default.

Return Industrial 25 to Default

Enable/Disable Industrial 25

Enable Industrial 25

Disable Industrial 25

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Industrial 25 - Enable CODEID

Set the CodeID of Industrial 25 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”，“0” (See Appendix- Data Code)
3. Read “Save”

Check

Industrial 25 not limit to include the check digit, if there is check digit, the last character will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

If “check and no transmit check digit”, the scanner will take the last character as check digit. If check success , the scanner will transmit the normal data except for the check digit, if check fail, the scanner will not read the code.

If “check and transmit the check character”, the scanner will the last character as check digit. If check success, the scanner will transmit the code and the check digit as the last character together, if check fail, the scanner will not read the code.

None

Check and No Transmit Check Digit

Check and Transmit Check Digit

Code Length Limit

The scanner can only read the the code length within the limited of code Industrial 25, the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of code Industrial 25 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Industrial 25 Maximum Length

Industrial 25 Minimum Length

Standard 25

Return to Default

After read this setting, the parameters of Standard 25 will be returned to factory default.

Return Standard 25 to Default

Enable/Disable Standard 25

Enable Standard 25

Disable Standard 25

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Standard 25 - Enable CODEID

Set the CodeID of Standard 25 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Check

Standard 25 not limit to include the check digit, if there is check digit, the last character will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

If “check and no transmit check digit”, the scanner will take the last character as check digit. If check success , the scanner will transmit the normal data except for the check digit, if check fail, the scanner will not read the code.

If “check and transmit the check character”, the scanner will the last character as check digit. If check success, the scanner will transmit the code and the check digit as the last character together, if check fail, the scanner will not read the code.

None

Check and No Transmit Check Digit

Check and Transmit Check Digit

Code Length Limit

The scanner can only read the the code length within the limited of code Standard 25, the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of code Standard 25 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Standard 25 Maximum Length

Standard 25 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

Code 39

Return to Default

After read this setting, the parameters of Code 39 will be returned to factory default

Return Code 39 to Default

Enable/Disable Code 39

Eanble Code 39

Disable Code 39

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Code 39 - Enable CODEID

Set the CodeID of Code 39 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Check

Code 39 not limit to include the check digit, if there is check digit, the last character will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

If “check and no transmit check digit”, the scanner will take the last character as check digit. If check success , the scanner will transmit the normal data except for the check digit, if check fail, the scanner will not read the code.

If “check and transmit the check character”, the scanner will the last character as check digit. If check success, the scanner will transmit the code and the check digit as the last character together, if check fail, the scanner will not read the code.

None

Check and No Transmit Check Digit

Check and Transmit Check Digit

Enable/Disable Start and End Character

There is “*” before and after the Code 39 as start and end character, which can be set to transmit with the code after decoded.

Enable Start and End Character

Disable Start and End Character

Identify ASCII Character

Code 39 including all ASCII characters, the scanner can read some of the character in default, it can read all the ASCII characters after setting.

Disable All ASCII Characters

Enable All ASCII Characters

Code Length Limit

The scanner can only read the the code length within the limited of Code 39, the

limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of Code 39 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Code 39 Maximum Length

Code 39 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

Codabar

Return to Default

After read this setting, the parameters of Codabar will be returned to factory default.

Return Codabar to Default

Enable/Disable Codabar

Enable Codabar

Disable Codabar

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Codabar - Enable CODEID

Set the CodeID of Codabar as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Check

Codabar not limit to include the check digit, if there is check digit, the last character will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

If “check and no transmit check digit”, the scanner will take the last character as check digit. If check success , the scanner will transmit the normal data except for the check digit, if check fail, the scanner will not read the code.

If “check and transmit the check character”, the scanner will the last character as check digit. If check success, the scanner will transmit the code and the check digit as the last character together, if check fail, the scanner will not read the code.

None

Check and No Transmit Check Digit

Check and Transmit Check Digit

Start and End Character

Disable Start and End Character

Enable Start and End Character

ABCD/ABCD As Start and End Character

ABCD/TN*E As Start and End Character

abcd/abcd As Start and End Character

abcd/tn*e As Start and End Character

Code Length Limit

The scanner can only read the the code length within the limited of Codabar, the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of Codabar is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Codabar Maximum Length

Codabar Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

Code 93

Return to Default

After read this setting, the parameters of Code 93 will be returned to factory default.

Return Code 93 to Default

Enable/Disable Code 93

Enable Code 93

Disable Code 93

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Code 93 - Enable CODEID

Set the CodeID of Code 93 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Check

Code 93 not limit to include the check digit, if there is check digit, the last character will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

If “check and no transmit check digit”, the scanner will take the last character as check digit. If check success , the scanner will transmit the normal data except for the check digit, if check fail, the scanner will not read the code.

If “check and transmit the check character”, the scanner will the last character as check digit. If check success, the scanner will transmit the code and the check digit as the last character together, if check fail, the scanner will not read the code.

None

Check and No Transmit Check Digit

Check and Transmit Check Digit

Code Length Limit

The scanner can only read the the code length within the limited of Code 93, the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of Code 93 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Code 93 Maximum Length

Code 93 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

Code 11

Return to Default

After read this setting, the parameters of Code 11 will be returned to factory default.

Return Code 11 to Default

Enable/Disable Code 11

Enable Code 11

Disable Code 11

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Code 11 的 CODEID

Set the Code ID of Code 11 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”，“0” (See Appendix- Data Code)
3. Read “Save”

Check

Code 11 not limit to include the check digit, if there is check digit, the last one or two characters will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

None

1 Check Digit, MOD11

2 Check Digits, MOD11/MOD11

2 Check Digits, MOD11/MOD9

MOD11 Single Check （Len <= 10）

MOD11/MOD11 Double Check（Len > 10）

MOD11 Single Check（Len <= 10）

MOD11/MOD9 Double Check（Len > 10）

No Transmit Check Digit

Transmit Check Digit

Code Length Limit

The scanner can only read the the code length within the limited of Code 11 the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of Code 11 is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Code 11 Maximum Length

Code 11 Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix,

AIM-ID,CODEID.

Plessey

Return to Default

After read this setting, the parameters of Plessey will be returned to factory default.

Return Plessey to Default

Enable/Disable Plessey

Enable Plessey

Disable Plessey

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

Plessey Enable CODEID

Set the CodeID of Plessey as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Check

Plessey not limit to include the check digit, if there is check digit, the last one or two characters will be. Check digit is the counted value according to all the data, which

used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

None

Check But No Transmit Check Digit

Check and Transmit Check Digit

Code Length Limit

The scanner can only read the the code length within the limited of Plessey the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of Plessey is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

Plessey Maximum Length

Plessey Minimum Length

The maximum length value of any type of 1D code is not more than 255. If the maximum length is shorter than the minimum length, the scanner can only read this two length of code; if the maximum length is equal to minimum length, the scanner can only read the code of this length.

This length is the length of the code itself, not including prefix/suffix, tailed suffix, AIM-ID,CODEID.

MSI-Plessey

Return to Default

After read this setting, the parameters of MSI-Plessey will be returned to factory default.

Return MSI-Plessey to Default

Enable/Disable MSI-Plessey

Enable MSI-Plessey

Disable MSI-Plessey

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

MSI-Plessey - Enable CODEID

Set the CodeID of MSI-Plessey as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”，“0” (See Appendix- Data Code)
3. Read “Save”

Check

MSI-Plessey not limit to include the check digit, if there is check digit, the last one or two characters will be. Check digit is the counted value according to all the data, which used to check the correctness of the data.

If check digit is “None”, the scanner will transfer the code data normally.

None

1 Check，MOD10

2 Check, MOD10/MOD10

2 Check MOD10/MOD11

Disable Check Digit

Enable Check Digit

Code Length Limit

The scanner can only read the the code length within the limited of MSI-Plessey the limit is from the minimum to maximum value (including the minimum and maximum value), the unit is character. If the length of MSI-Plessey is out of the limit, the scanner will not be able to read or transmit the code.

Read “Minimum Length” to set the minimum length of code.

Read “Maximum Length” to set maximum length of code.

MSI-Plessey Maximum Length

MSI-Plessey Minimum Length

RSS-14

Return to Default

After read this setting, the parameters of RSS-14 will be returned to factory default.

Return RSS-14 to Default

Enable/Disable RSS-14

Enable RSS-14

Disable RSS-14

Enable/Disable AI of RSS-14

Enable AI of RSS-14

Disable AI of RSS-14

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

RSS-14 - Enable CODEID

Set the CodeID of RSS-14 as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”, “0” (See Appendix- Data Code)
3. Read “Save”

RSS-Limited

Return to Default

After read this setting, the parameters of RSS-Limited will be returned to factory default.

Return RSS-Limited to Default

Enable/Disable RSS- Limited

W017B01

W017B00

Enable RSS- Limited

Disable RSS- Limited

Enable/Disable AI of RSS_Limited

W047B04

Enable AI of RSS-Limited

W047B00

Disable AI of RSS-Limited

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

M000219

RSS-Limited - Enable CODEID

Set the CodeID of RSS- Limited as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”, “0” (See Appendix- Data Code)
3. Read “Save”

RSS-Expand

Return to Default

After read this setting, the parameters of RSS-Expand will be returned to factory default.

WFFD9AA

Return RSS-Expand to Default

Enable/Disable RSS-Expand

Enable RSS-Expand

Disable RSS-Expand

Code ID

Read “Enable CodeID” to start the setting, then scan the corresponding 16 HEX Value of CodeID character and save.

RSS-Expand - Enable CODEID

Set the CodeID of RSS-Expand as “p”（16 HEX Value is 0x70）:

1. Read above “Enable CodeID”
2. Read number “7”,“0” (See Appendix- Data Code)
3. Read “Save”

Appendix

Default Setting Table

Parameters	Default Setting	Remarks
General Setting		
Setting Function	ON	On OFF,setting code will be transmitted.
Working Mode	Manual	
Reading Time	15s	Parameter from：0-255s，0 is no limit time，step: 1 sec
Reading Interval	1s	Parameter from：0-22.5s，step: 0.1 sec
Sensitivity Class	High Sensitivity	Auto-Senor Mode Valid

Safety Class	Class	
Speaker	Medium Frequency Volume,80ms	Good Read Indicator
Repeat Reading Same Code	Off	Auto Reading Mode and Auto-Sensor Mode Valid
Communication		
Baud Rate	9600	
Serial Parity Check	None	
Stop Bit	1 Stop Bit	
Fluid Control	Off	
Data Bit	8 Data Bit	
USB Virtual Keyboard	On	
Virtual Keyboard Layout	No.1 US Enaglish Keyboard	
字符间延迟时间	0ms	0~15ms
Case Conversion	No Conversion	
Number Fixed	Off	
Data Format		
Prefix In Order	CodeID+User-Defined+AIMID	CodeID+Prefix+(AIMID+Data)+Suffix+Terminal
Enable Prefix AIMID	Off	]Cm symbol
Enable CodeID	Off	1 or 2 characters, capital or small letter
Enable User-Defined Prefix	Off	At Most 5 Prefix Characters
Enable User-Defined Suffix	Off	At Most 5 Suffix Character
Enable End Character	Off	At Most 5 End Character

Code Parameters Setting		
General		
Disable All Code AIM ID	On	1 of 2
Enable All Code AIM ID	Off	
Code 128		
Enable	On	
Maximum Length	80	
Minimum Length	1	
UCC/EAN-128		
Enable	On	
Maximum Length	80	
Minimum Length	1	
AIM 128		
Enable	Off	Enable as Code128
Maximum Length	80	
Minimum Length	1	
EAN-8		
Enable	On	
Enable Check Digit	On	
Enable 2 Digit Supplements	Off	
Enable 5 Digit Supplements	Off	
Require Supplement	Off	
Expanded as EAN-13	Off	
Expanding, Type changed as EAN-13	Off	
EAN-13		
Enable	On	

Enable Check Digit	On	
Enable 2 Digit Supplements	Off	
Enable 5 Digit Supplements	Off	
Require Supplement	Off	
ISSN		
Enable	Off	Enable as EAN-13
ISBN		
Enable	Off	Enable as EAN-13
Use 10 Check ISBN	Off	
UPC-E		
Enable	On	
Enable Check Digit	On	
Enable 2 Digit Supplements	Off	
Enable 5 Digit Supplements	Off	
Require Supplement	Off	
Expanded as UPC-A	Off	
Expanding, Type changed as UPC-A	Off	
Disable Country Code, Enable System Code	On	
UPC-A		
Enable	On	
Enable Check Digit	On	
Enable 2 Digit Supplements	Off	
Enable 5 Digit Supplements	Off	
Require Supplement	Off	
Disable Country Code, Enable System Code	On	
Interleaved 2 of 5		

Enable	On	
Check	On	
Enable Check Digit	Off	
Maximum Length	100	
Minimum Length	6	Shortest Length is more than 1
ITF-6		
Enable	Off	Enable as Interleaved 2 of 5
Enable Check Digit	On	
ITF-14		
Enable	Off	Enable as Interleaved 2 of 5
Enable Check Digit	On	
Deutsche 14		
Enable	Off	Enable as Interleaved 2 of 5
Enable Check Digit	On	
Deutsche 12		
Enable	Off	Enable as Interleaved 2 of 5
Enable Check Digit	On	
Matrix 2 of 5(European Matrix 2 of 5)		
Enable	On	
Check	Off	
Enable Check Digit	Off	
Maximum Length	80	
Minimum Length	6	Shortest Length is more than 1
Industrial 25		
Enable	On	
Check	Off	

Enable Check Digit	Off	
Maximum Length	80	
Minimum Length	6	Shortest Length is more than 1
Standard 25		
Enable	On	
Check	Off	
Enable Check Digit	Off	
Maximum Length	80	
Minimum Length	6	Shortest Length is more than 1
Code 39		
Enable	On	
Check	Off	
Enable Check Digit	Off	
Enable Start and End Character	On	
Enable Full ASCII	On	
Maximum Length	50	
Minimum Length	4	Shortest Length is more than 1
Codabar		
Enable	On	
Check	Off	
Enable Check Digit	Off	
Enable Start and End Character	On	
ABCD/ABCD as Start and End Character	On	1 of 4
ABCD/TN*E as Start and End Character	Off	
abcd/abcd as Start and End Character	Off	
abcd/tn*e as Start and End Character	Off	

Maximum Length	60	
Minimum Length	4	Shortest Length is more than 1
Code 93		
Enable	On	
Check	On	
Enable Check Digit	Off	
Maximum Length	80	
Minimum Length	2	Shortest Length is more than 1
Code 11		
Enable	Off	
Enable Check Digit	Off	
No Check	Off	1 of 6
1 Digit MOD11 Check	On	
2 Digit MOD11/MOD11Check	Off	
2 Digit MOD11/MOD9 Check	Off	
Auto 2 Digit MOD11/MOD11	Off	
Auto 2 Digit MOD11/MOD9	Off	
Maximum Length	80	
Minimum Length	4	Shortest Length is more than 1
Plessey		
Enable	Off	
Check	On	
Enable Check Digit	Off	
Maximum Length	60	
Minimum Length	4	Shortest Length is more than 1
MSI-Plessey		

Enable	Off	
Enable Check Digit	Off	
No Check	Off	1 of 4
1 Digit MOD10 Digit	On	
2 Check Digit MOD10/MOD10	Off	
2 Check Digit MOD10/MOD11	Off	
Maximum Length	60	
Minimum Length	4	Shortest Length is more than 1
GS1-RSS14		
Enable	On	
GS1-RSSLimited		
Enable	On	
GS1-RSSExpand		
Enable	On	

Data Code

After read the data code and then read the “Save” to store the data.

0

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

Save and Cancel Setting

After read the data code and then read the save setting to store the data. When read the wrong number, can reset it or cancel the wrong number.

Read one setting, and read“1”, “2”, “3”in turn. If you scan “Cancel the Previous Parameter”, the scanner will cancel the number “3”. If you scan “Cancel the Previous Serial Parameter”, the scanner will cancel the data “123”.

Save

Cancel the Previous Parameter

Cancel the Previous All Parameters

AIMID Table

Code Type	AIM ID	Remark
Code 128	]C0	Normal Code 128
UCC/EAN 128 (GS1-128)	]C1	First Code :FNC1
AIM 128	]C2	Second Code:FNC1
EAN-8	]E4	Normal EAN-8
	]E4….]E1…	EAN-8 & 2 Addon
	]E4….]E2…	EAN-8 & 5 Addon
EAN-13	]E0	Normal EAN-13
	]E3	EAN-13 & 2/5 Addon
ISSN	]X5	
ISBN	]X4	
UPC-E	]E0	Normal UPC-E
	]E3	UPC-E& 2/5 Addon
UPC-A	]E0	Normal UPC-A
	]E3	UPC-A & 2/5 Addon
Interleaved 2 of 5	]I0	No Check
	]I1	Check and Transmit Check Digit
	]I3	Check and No Transmit Check Digit
ITF-6	]I1	Transmit Check Digit
	]I3	Check and No Transmit Check Digit
ITF-14	]I1	Transmit Check Digit

Code Type	AIM ID	Remark
	]I3	No Transmit Check Digit
Deutsche 14 Deutsche 12	]X0	
Matrix 2 of 5	]X1	No Check
	]X2	Check and Transmit Check Digit
	]X3	Check and No Transmit Check Digit
Industrial 2 of 5	]S0	No Specific Mark
Standard 2 of 5	]R0	No Check
	]R8	MOD 7 Check and No Transmit Check Digit
	]R9	MOD 7 Check and Transmit Check Digit
Code 39	]A0	No Check，No Expanding Full ASCII. Output All Original Data
	]A1	MOD 43 Check and Transmit Check Digit
	]A3	MOD 43 Check and No Transmit Check Digit
	]A4	Expanding Full ASCII, No Check
	]A5	Expanding,MOD43 Check and No Transmit Check Digit
	]A7	Expanding,MOD43 Check and No Transmit Check Digit
Codabar	]F0	Standard Package, No Special
	]F1	Use for USA Blood Center Management

Code Type	AIM ID	Remark
	]F2	Check and Transmit Check Digit
	]F4	Check and No Transmit Check Digit
Code 93	]G0	No Specific Mark
Code 11	]H0	MOD11Single Check,Transmit Check Digit
	]H1	MOD11/MOD11Double Check,Transmit Check Digit
	]H3	Check and No Transmit Check Digit
	]H8	MOD11/MOD9Double Check,Transmit Check Digit
	]H9	No Check
Plessey	]P0	No Specific Mark
MSI Plessey	]M0	MOD 10 Check and Transmit Check Digit
	]M1	MOD 10 Check and No Transmit Check Digit
	]M7	MOD10 /MOD11Check and No Transmit Check Digit
	]M8	MOD10 /MOD11Check and Transmit Check Digit
	]M9	No Check
GS1 DataBar （RSS）	]e0	Standard Package
	]e1	Other Uses
	]e2	Other Uses
	]e3	Other Uses

CODEID Table

Code Ty	Code ID	Code Ty	Code ID
Code 128	j	Deutsche 12	l
UCC/EAN-128	u	Matrix 2 of 5(European Matrix 2 of 5)	v
AIM 128	f	Industrial 25	i
SETTING 128	t	Standard 25	s
EAN-8	g	Code 39	b
EAN-13	d	Codabar	a
ISSN	n	Code 93	y
ISBN	B	Code 11	z
UPC-E	h	Plessey	p
UPC-A	c	MSI-Plessey	m
Interleaved 2 of 5	e	RSS14	D
ITF-6	r	RSS-LIMITED	C
ITF-14	q	RSS-EXPAND	R
Deutsche 14	w		