

1D Barcode Scanner Setting Manual

Disclaimer

Please read through the manual carefully before using the product and operate it according to the manual. It is advised that you should keep this manual for future reference.

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	port command to save the settings	
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	instruction set	
V1.11	Adding Prefix and Suffix Setting Codes for Some	2017-07-19
	Special Characters	
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	Function Description	
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Chapter1 System Settings

Introduction

The user can set the function of the barcode reader by scanning one or more setting barcodes.



Scanning Instructions

In the Trigger Mode, the scanning barcode operation steps are as follows

- 1. Hold down the trigger key of the barcode reader, the line of sight is activated, red red line of sight appears.
- 2. Align the red line of sight with the bar code center, move the bar code reader and adjust the distance between it and the bar code to find the best reading distance.
- 3. After hearing the successful prompt sound, and the red lighting line is extinguished, the reading is successful, and the barcode reader transmits the decoded data to the host.

Note: During the reading process, you will find the distance between the barcode reader and the barcode within a certain range for the barcode of the same batch, and the reading success rate will be very high. This distance is the best reading distance.

Restore Defaults

All barcode readers have a factory default setting. Reading the "Restore default settings" barcode will restore all barcode reader property settings to the factory state. You are most likely to use this bar code in the following situations:

- 1. Error in barcode reader settings, such as barcode not recognized.
- 2. You have forgotten what settings were made for the barcode reader before, and you do not want to use the previous settings.
- 3. The bar code reader is set to use some infrequently used features and is used after completion.



Restore default settings

version

Use the scanner to scan the version number bar code, you can view the current bar coder version number information



000A0

version

User default settings

You can customize "user default settings" according to your needs. When the user sets the corresponding settings code, it will replace the original default factory settings. Even the user configuration set before power failure will not be lost.





User default settings

Replace with factory default settings

Instructions:

- 1. Read "Open Settings Code" bar code 09990 (default is open, no scanning is required);
- 2. Read the bar code of the corresponding function.
- 3. Read the "User Default Settings" bar code 00000;
- 4. Read the "Replace and Restore Default Settings" bar code 00001;
- 5. Read the "Close Settings Code" bar code 09991.

Note: When the above two barcodes are used together, you can save the current set function as the factory default value after following the above steps. Even after scanning the "Restore factory default" barcode 000B0, it will still be the current set function.

Use Settings Code

Setting codes are used as a special bar code. We can scan different settings codes to achieve different functions for scanners. CODE 128 barcode type is selected when making setting code, and the format of ^ 3 + barcode coding is used to make setting code.

Start off setting code

The setting code can be turned off. When the barcode reader is set to "Enter Setup", the setup function will work when the setup code is scanned. When the barcode reader is set to "Exit Setup", the scanner engine will scan the setup code. There will be an error tone, the setting function will not work, the default is "Enter Setup".



09990

Enter Setup*



09991

Exit Setup

Programming Barcode Data

Programming barcode data can be transmitted to the Host. Scan the appropriate barcode below to enable or disable the transmission of programming barcode data (i.e. the characters under programming barcode) to the Host.Default is setting code not send.



02501

Transmit Programming Barcode Data



02500

Not Transmit Programming Barcode Data *

Sound settings

The scanner will have different prompt sounds in use, including boot-up sounds, scan settings sounds, and scan ordinary codes sounds. You can turn off or turn on the corresponding prompt sounds according to your needs.

Turn on all sounds: turn on the boot sound, turn on the set code sound, turn on the ordinary code sound;

Turn off all sounds: turn off the boot sound, turn on the setup code, and turn on the normal code.

Turn off the normal code sound: turn on the boot sound, turn on the set code sound, and turn off the normal code sound.

Open Settings Sound: Turn off boot-up sound, turn on Settings Sound, turn off Settings Sound.

The default is "Turn on all sounds".



014201

Turn on all sounds *



014203

Turn off the normal code sound



014200

Turn off all sounds



014207

Open Settings Sound

Increased/decreased sound



014300

Increased sound



014301

Reduced sound

Sound frequency



0145800

2.0KHZ*



0145AAA

2.7KHZ

Instructions:

Set the scanner frequency to 2730 HZ.

- 1. Firstly, the decimal 2730 is converted to hexadecimal value, namely AAA.
- 2. According to the coding rules of setting codes, the corresponding setting codes are made as [^30145AAA].
- 3. The settings can be completed by scanning the settings codes directly.

USB transmission speed

This bar coder supports adjusting data transmission speed. For some non-standard USB input used in WINDOWS devices, such as the USB interface converted by PS2, the security and integrity of data output can be reduced by properly reducing the transmission speed of the bar coder.

The default is "No USB Fast Transfer".



02301

Allow USB Fast Transfer



02300

No USB Fast Transfer *

You can adjust the transmission speed of USB according to adjusting the delay between data characters. The smaller the delay, the faster the transmission speed. Conversely, the slower the transmission speed. You can customize the delay between characters according to your needs. You can set the delay time range to 0-30MS, and set the code code to ^ 3+0145+the hexadecimal value of delay/2MS.

Default is "Delay 4MS".



001500

No delay (fastest)



001504

Delay 8MS



001502

Delay 4MS*



001506

Delay 12MS

Instructions:

Set the inter-character delay to 24MS.

- 1. First, the value of delay time/2MS is 12, corresponding to the hexadecimal value of 0C.
- 2. Set the code to ^ 300150C;
- 3. Making bar codes of setting codes according to the coding of setting codes;
- 3. The settings can be completed by scanning the settings codes directly.

Image recognition method

The barcode reader supports the recognition of reverse-colored images (anti-white bar codes). The user can set whether or not the image needs to be reversed according to the requirements. The default is forward image recognition.





00160

Forward image recognition*

Reverse image recognition

Chapter2 Communication setting

Introduction

When using this barcode to communicate with different hosts, you need to set the barcode reader to the corresponding communication interface mode.

The user can set the barcode scanner function by scanning one or more setting barcodes.

Users can choose to use USB-KBW, USB-COM, PS2,TTL / RS232 serial communication interface mode.

USB interface

In the mode of USB interface, there are three kinds of communication protocols to choose.

The default mode is USB-KBW, that is, USB keyboard mode, which simulates the transmission of data from USB keyboard to host computer.

USB-KBW Mode

By default, the barcode reader uses USB-KBW communication to simulate the USB keyboard input mode without installing a driver.



000602

USB-KBW*

Country/language keyboard layout selection

Different national languages correspond to the keyboard keys arrangement, symbols, etc. are different, the barcode scanner can be virtual according to the actual needs of different countries keyboard.



0005000

USA/China (English) *



0005002

Netherlands (Dutch)



0005004

Argentina (Latin American)



0005001

Canada (French)



0005003

Spain (Spanish - International)



0005005

Brazil (Portuguese)



0005006

Denmark (Danish)



0005008

Italy (Italian)



0005010

Germany (Slang)



0005012

Sweden/Finland (Swedish/Finnish)



0005014

Portugal (Portuguese)



0005016

Belgium (Dutch)



0005018

Turkish-Q



0005007

United Kingdom (British English)



0005009

France (French)



0005011

Norway (North Sami)



0005013

Slovak (Slovak)



0005015

Czech Republic (Czech)



0005017

Turkish-F



0005019

Poland (Polish 214)



0005020

Switzerland (German/French)



0005022

Hungary (Hungarian)



0005024

Russia (Russian)



0005021

Croatian (Croatian)



0005023

Japan (Japanese)



0005025

Arabic (Egypt)

USB-COM

When the barcoder uses USB communication interface, but the host application uses serial communication to receive data, you can set the barcode to USB virtual serial communication mode. This feature requires installing the appropriate driver on the host.



000603

USB-COM

USB-HID Mode

When the scanner uses USB-HID, the host will use the scanner as a HID-like device. The scanner using USB-HID mode can control the scanning work through the host without installing the driver. Detailed USB-HID data format and usage method can contact our technical service personnel.



000604

USB-HID

TTL/RS232 mode

The serial communication interface is a common way to connect barcode and host devices and can be used to connect host devices such as PC and POS.

When using the serial communication interface of the barcode scanner, the barcode scanner and the host device must be completely matched in the configuration parameters of the serial communication protocol to ensure the accuracy of data transmit.



000601

TTL/RS232

Baud rate

Baud rate is the number of bits transmitted per second for serial data communication.

The baud rate used by the barcode reader and the data receiving host must be consistent to ensure the accuracy of data transmit. The bar coder supports the baud rates listed below, in bits/s.



000701

600bps



000703

2400bps



000705

9600bps*



000702

1200bps



000704

4800bps



000706

19200bps



000707

38400bps



000708

57600bps



000709

115200bps

Parity bit



001001

Odd parity check



001000

No check (NONE) *



001002

Parity check

Data bits



08000

8-bit data bits *



00081

7-bit data bits

Stop bit



00090

1*



00091

2

PS2 Keyboard Mode



000600

PS2

Chapter3 Reading mode

Trigger Mode

The user can set the reading mode of the barcode reader according to the needs. The default state is the Trigger Mode. In this mode, the barcode reader starts reading after pressing the trigger button, and the barcode reader stops reading after successfully reading or unlocking the trigger button.



013300

Trigger Mode*

Continuous scanning mode

After the setting is completed, the red light is in a long light state. When a bar code passes through, the bar code reader automatically reads the bar code. The same barcode cannot be read repeatedly unless it is removed again.



013304

Continuous scanning mode

Sense Mode

After the setting is completed, there is no need to trigger, and the barcode reader starts detecting the change of the environment before the window. After the reading is complete, it stops and is in the monitoring state waiting for the next environmental change. In this mode, clicking the trigger button can also start reading.



02311

Turn on Sense Mode



02310

Turn off Sense Mode*

Note: When using this mode, it needs to be switched by Trigger Mode.

Sensitivity

Sensitivity is the degree of the reader's sensitivity to the dramatic changes of the surrounding environment in the state of inductive reading. You can use rings according to your own

In order to improve the efficiency of code reading, the sensitivity is selected.

You can customize the sensing sensitivity according to the requirement, and set the code to [^ 30265XX]

The first X denotes coarse tuning, the value is 0-F, the second X denotes fine tuning, the value is 0-F, the smaller the value is, the more sensitive the induction is.

The default sensitivity is 026537.

026531

High sensitivity

02653F

Low sensitivity

026537

Medium sensitivity*

Flashing mode

When the settings are finished, manual trigger is needed to open the scan. The red light of the barcoder is flashing, and the barcoder begins to detect the change of the environment before the window. After reading the code, the red light is always on for 3 seconds. After 3 seconds, the unread bar code automatically flickers.

Key Open: In this state, the bar coder can be turned on or off at any time by pressing the button.

Key off: In this state, the key does not work.



013306

Flashing (Key Open)



013305

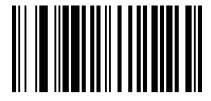
Flashing (Key OFF)

Press Key to delay single read mode

After setting up, press the trigger button, the red light of the bar coder will light up for 3 seconds, the unread code lamp will go out after 3 seconds overtime, or the back light will go out after reading the code. The button will not work before the light goes out.

You can customize the timeout according to your needs, and set the setting code of the timeout to [^ 30235X0]

Among them, X means the time-out time is X seconds, the value is 0-F in hexadecimal system, 0 means no time-out, 1 means 1 second time-out, and so on. F means 15 seconds time-out. The default key timeout time is "3 seconds overtime".



013301

Press key to delay single read mode



023510

1 second timeout



0235A0

10 second timeout



023530

3 second timeout*



0235F0

15 second timeout

Test mode

When using the test mode, we need to set the scanner as "Long Bright Read Mode 013304", and then turn on the test mode. After the setup is completed, the device enters the continuous reading state without triggering. When the code is successful, the device enters the waiting state. Once again, the code is successfully read, and it enters the waiting state again.



02571

Open Test Mode



02570

Close Test mode

You can customize the scan interval of the test mode according to the requirements, and set the interval to set the code code to [^ 30263XX]

XX denotes the hexadecimal value corresponding to the interval time, expressed by 0-F, interval time = XX corresponds to the decimal value / 10, and when XX = 00, there is no interval time.

For example, the XX value is 01, the interval time is 1/10 = 0.1 seconds; the XX value is 0F, and the interval time is 15/10 = 1.5 seconds.

The default interval is "1S"



026300

No interval



026309

interval 0.9S



026301

interval 0.1S



02630F

interval 1.5S

Chapter4 Data Editing

Introduction

After the barcode scanner is successfully decoded, the device will get a series of data, which can be numbers, English, symbols, etc. In application, we may not only need the barcode data information, or the barcode contains data information can not meet your requirement. For example, you may want to know which type of barcode you get from this string of data information or attach special data to the string data, which may not be included in the barcode data information.

Increasing these contents while making code, it is bound to increase the length of the barcode and the flexibility is not enough. It is not a good way.

At this moment, we think of artificially adding some contents before or after the barcode data information, and these added contents can be changed in real time according to the demand, and can be selectively added or masked. This is the prefix and suffix of barcode data information.

The method of adding prefixes and suffixes, can meet the requirement and need to modify the contents of the barcode information.

Note: Data editing format: <customize prefix> <barcode data> <customize suffix> <suffix data>

Code ID Setting

In the process of using the barcode reader, the user often needs to know the barcode type of the currently scanned barcode, and we can use the Code ID prefix to identify the barcode type. Code ID corresponds to the barcode type please refer to "Appendix - Code ID", by default does not send Code ID.



01401

Send CODE ID



01400

Not Send Code ID*

Custom Prefix

"Appendix - Character Table" according to the requirements. You can complete the setup.

The prefix character can add up to 32 characters.



02240

Set Custom Prefix

For example: Set the custom prefix to "VC" (hexadecimal value is 0x56/0x43):

- 1. Read "Startup Setup Code"
- 2. Read the above "Setting Custom Prefix"
- 3. Read the corresponding bar codes 1086 and 1067 in "Appendix Character Table"
- 4 read "Exit to set prefix and suffix"
- 5. Read "Close Setup Code"

Note: After completing the above steps, if you read any bar code, the barcode reader will add a custom prefix string "VC" before the bar code data.

Clear all the prefix.

Scan "clear all the prefix codes" barcode, user can clear all the prefix codes.



02220

clear all the prefix codes

Custom suffix

First read the "**Set custom suffix**", and then scan the character code corresponding to "Appendix - Character Table" according to requirements. You can complete the setup. The suffix character can add up to 32 characters.



02241
Set custom suffix

For example: Set the custom prefix to "VC" (hexadecimal value is 0x56/0x43):

- 1. Read "Startup Setup Code"
- 2. Read the above "Set custom suffix"
- 3. Read the corresponding bar codes 1086 and 1067 in "Appendix Character Table"
- 4 read "Exit to set prefix and suffix"
- 5. Read "Close Setup Code"

Note: After setting according to the above steps, read any bar code, the bar coder will add custom suffix string "VC" after the bar code data.

Clear all suffixes

Scan the "Clear all suffixes" barcode to clear all set suffix characters



02200

Clear all suffixes

Note: Clear suffix characters do not include suffix terminators.

Exit to set prefix and suffix

After users add a custom suffix, you can scan "Exit suffix" to finish adding suffixes.



02242
Exit to set prefix and suffix"

Hidden characters

Users can hide the bar code output barcode according to their needs. For example, for the bar code "123456", the data received by the host is "3456" when the preceding two characters are hidden. When the trailing 2-bit characters are hidden, the data received by the host is "1234".

Hide the front character

The user can scan the following bar codes according to the requirements, and set the hidden front digits.



023401
Hide the front 1 character



023403 Hide the front 3 characters



023402 Hide the front 2 characters



023405 Hide the front 5 characters

Unhide the front character



Unhide leading characters

Hide the Postposition character

Users can scan the following bar codes according to their needs and set the corresponding number of digits to be hidden.



Hide the Postposition 1 character



023302 Hide the Postposition 2 characters



Hide the Postposition 3 characters



Hide the Postposition 5 characters

Unhide the Postposition character



023300

Unhide the Postposition character

Hide intermediate characters

Users can scan the following bar codes according to their needs and set the hidden middle digits. The setup procedure consists of two steps. First, the beginning of the character is scanned for the Mth bit, and then the middle N-bit character is hidden by scanning. For example, for the barcode "12345678", set the two characters "56" to be hidden, first scan the first 4 characters, then scan to hide the middle 2 characters, and the host receives the data as "123478"

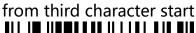
The Mth character starts to set the bar code



024001



024003





024005

from fifth character start



024007

from seventh character start



024002

from second character start



024004

from fourth character start



024006

from sixth character start



024008

from eighth character start

Hide intermediate N-bit characters



023901

Hide intermediate 1 characters



023903

Hide intermediate 3 characters



Hide intermediate 5 characters



Hide intermediate 7 characters



023902

Hide intermediate 2 characters



Hide intermediate 4 characters



023906

Hide intermediate 6 characters



023908

Hide intermediate 8 characters

Unhide the middle character



023900

Unhide the middle character

Suffix setting

The end character is used to mark the end of a complete data message. The suffix of end character must be the last content of a data transmit, then there will be no additional data. Difference between suffix of end character and customized suffix is that the contents and decoding information of the customized suffix, prefix and other contents can be formatted, but suffix of end character can't make it.



0212@0D

Add CR*



0213@0D0A

Add CR+LF



0210@

None



0212@0A

Add LF



0212@09

Add Tab

Character conversion

By setting the character conversion function of the barcode scanner, the upper case and lower case conversions of the English letters of the barcode output data can be performed. For example, if the content of the barcode is aBC123, set the barcode to "all in lower case" and the data obtained by the host will be "abc123". The default is Normal output.



02510

Normal (No Change) *



02512

Lower (All lowercase)



02511

Upper (Capitalize)



02513

Inverse (Case inversion)

Note: This parameter is only valid in standard keyboard input mode and keyboard emulation input control character mode.

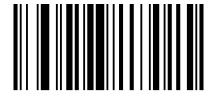
Chapter5. Bar Code Parameter Settings

Introduction

Each type of barcode has its own unique properties, Through the setting code of this chapter, you can adjust the barcode reader to adapt to these property changes. The fewer types of barcodes that are enabled to enable reading, The faster the barcode reads. You can disable barcode scanners from reading barcode types that will not be used, to improve the performance of the barcode scanner.

UPC-A

Enable/Disable UPC-A



000341

Eanble UPC-A*



000340

Disable UPC-A

Transmit Check Digit

UPC-A Barcode data is fixed at 13 characters, Number 13 is the parity bit, used to verify the correctness of all 13 characters, The default is to transmit the check digit.





00420

Transmit check Digit *

Do not transmit check Digit

Whether to read additional bits

Additional bits refer to 2 or 5 digit barcodes added after the normal barcode, As shown below, the left blue line box is an ordinary bar code, the right side of the red box is an additional bit. the default is to turn off extra bits.





System character

UPC-A The country code of the barcode is the prefix character, this character is not normally displayed in human-readable characters below the bar code, "0" representative USA. The first character in the human-readable character is a system character. Default does not send country characters, transmit system character.



Transmit system character *



Do notTransmit system character

Extended settings

UPC-A barcode type supports extended settings, after opening extensions, barcode information expanded to 13 bits, add "0" in front of, and the type is converted to EAN-13, the default is not extended.



00391



00390

Barcode information extension, and the

type is converted to EAN-13

Barcode information does not expand *

UPC-E

Enable/Disable UPC-E



00351

Enable UPC-E*



00350

Disable UPC-E

Transmit Check Digit

UPC-E Barcode data is fixed at 8 characters, bit 8 is the parity bit, used to verify the correctness of all 8 characters, the default is to transmit the check digit.



00441

Transmit check Digit *



00440

Do not Transmit check Digit

Whether to read additional bits

Additional bits refer to 2 or 5 digit barcodes added after the normal barcode, As shown below, the left blue line box is an ordinary bar code, the right side of the red box is an additional bit. the default is to turn off extra bits.





System character

UPC-E the system code of the barcode is the prefix character, default delivery system character.



Transmit system character *



Do not transmit system character

Extended settings

UPC-E barcode type supports extended settings, after opening extensions, Barcode information expanded to 13 bits, and the type is converted to UPC-A, the default is not extended.



00381



00380

Do not expand barcode information *

Barcode information is expanded, and the type is converted to UPC-A

EAN-8

Enable/Disable EAN-8



00371

Enable EAN-8*



00370

Disable EAN-8

Transmit Check Digit

EAN-8 barcode data is fixed at 8 characters, Bit 8 is the parity bit, used to verify the correctness of all 8 characters, the default is to transmit the check digit.



00571

Transmit check Digit *



00570

Do not Transmit check Digit

Whether to read additional bits

Additional bits refer to 2 or 5 digit barcodes added after the normal barcode, as shown below. The left blue line box is an ordinary bar code, the right side of the red box is an additional bit, the default is to turn off extra bits.









System character

EAN-8 barcode system code is a prefix character, default Not Transmit system character.



00560

Transmit System character*



00561

Not Transmit System Character

EAN-13

Enable/Disable EAN-13



00361

Enable EAN-13*



00360

Disable EAN-13

Transmit Check Digit

EAN-13 barcode data is fixed at 13 characters, Bit 13 is the parity bit, used to verify the correctness of all 13 characters, the default is to transmit check digit.



00461

Transmit Check Digit *



00460

Do not transmit check Digit

Whether to read additional bits

Additional bits refer to 2 or 5 digit barcodes added after the normal barcode, as shown below, the left blue box is an ordinary bar code, and the right red box is an extra bit. The default is to turn off extra bits.





Extended settings

EAN-13 barcode type supports extended settings, Can be set to expand EAN-13 code to ISBN or ISSN barcode. The default is not extended.



00481

Expanded to ISBN



01501

Expanded to ISSN



00480

Do not expand to ISBN*



01500

Do not expand to ISSN*

Code 128

Enable/Disable Code 128



00691

Enable Code 128*



00690

Disable Code 128

Code 39

Enable/Disable Code 39



00221

Enable Code 39*



00220

Disable Code 39

Transmit Start/Stop Character

A character "*" as a start and stop character before and after the Code 39 barcode data, you can set whether the start and stop characters are transmitted together with the barcode data after the reading is successful.



00281

Transmit Start/Stop Character



00280

Do not Transmit Start/Stop Character*

Check Bit Settings

Code 39 barcode data is not mandatory to contain a check bit, if there is a check bit, it is the last character of the data. Check bits are values calculated from all data to verify the correctness of the data. You can turn on or off the check as required and set whether to send the check bits.

The default is "Close MOD43 Check" and "No Transfer Check".



00251

Transfer check



00241

Open MOD43 Check



00250

No transmission check *



00240

Close MOD43 Check *

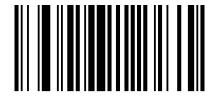
Enable/Disable Code 39 Full ASCII

Code 39 data can include all ASCII characters, but the barcode reader only reads some ASCII characters by default, by setting, you can turn on the function of reading full ASCII characters, default Enable all ASCII characters.



00231

Enable Code 39 Full ASCII*



00230

Disable Code 39 Full ASCII*

Setting Code 39 Minimum Read Length

Default is "Minimum Read Length 2" "



003201

The minimum reading length is 1



003203

The minimum reading length is 3



003202

The minimum reading length is 2*

Code 32

Enable/Disable Code 32



01951

Enable Code 32

Note: Opening Code32 has an effect on Code39.



01950

Disable Code 32*

Code 93

Enable/Disable Code 93



00621

Enable Code 93*



00620

Disable Code 93

Check Digit Verification

Code 93 barcode data does not include check digits, if there is a check digit, is the last 2 characters of the data. the check digit is a calculated value based on all data, used to verify that the data is correct.



01901

Transmit Check Digit After Verification



01900

Do Not Transmit Check Digit After

Verification *

Code 11

Enable/Disable Code 11



01261

Enable Code 11*



01260

Disable Code 11

Check Digit Verification

Code 11 Barcode data does not necessarily include check bits, if there is a check digit, it can be the last 1 or 2 characters of the data. The check digit is a value calculated from all data to verify that the data is correct.



01272

C Check *



01273

CK Check



01271

Automatic CK Check

Setting Code 11 Minimum Read Length

You can customize the minimum reading length from Code11 codes according to your requirements. Set the code code to [^ 3 + 0128XX], support 1-15 bits, corresponding to the hexadecimal value of 01-0F, 01 means the minimum length of 1.

Default to "Minimum Read Length 4" "



012801

The minimum reading length is 1



012804

The minimum reading length is 4*

Interleaved 2 of 5

Enable/Disable Interleaved 2 of 5



00961

Enable Interleaved 2 of 5*



00960

Disable Interleaved 2 of 5

Check Bit Settings

Interleaved 2 of 5 bar code data is not mandatory to contain check bits. If there are check bits, it is the last character of the data. Check bits are values calculated from all data to verify the correctness of the data. You can turn on or off the check as required and set whether to send the check bits.

The default is "Turn off Interleaved 2 of 5 checks" and "Do not send Interleaved 2 of 5 checks".



Transfer Interleaved 2 of 5 Check



Do not transmit Interleaved 2 of 5 checks *



Open Interleaved 2 of 5 Check



Close Interleaved 2 of 5 Check *

Setting Interleaved 2 of 5 Minimum Read Length

You can customize the minimum reading length from Interleaved 2 of 5 codes according to your requirements. Set the code code to [^ 3 + 0097XX], support 2-14 bits, corresponding to the hexadecimal value of 02-0E, 02 means the minimum length of 2 (Interleaved 2 of 5 digits can only be even digits).

Default to "Minimum Read Length is 4" "



009702

Minimum Read Length is 2



009704

Minimum Read Length is 4*

Matrix 2 of 5

Enable/Disable Matrix 2 of 5



01461

Enable Matrix 2 of 5*



01460

Disable Matrix 2 of 5

Setting Matrix 2 of 5 Minimum Read Length

You can customize the minimum reading length from Matrix 2 of 5 codes according to your requirements. Set the code to [^ 3 + 0148XX], support 1-15 bits, corresponding to the hexadecimal value of 01-0F, 01 represents the minimum length of 1 Default to "Minimum Read Length 3".



014801

Minimum Read Length is 1



014803

Minimum Read Length is 3*

Industrial 2 of 5

Enable/Disable Industrial 2 of 5



01061

Enable Industrial 2 of 5*



01060

Disable Industrial 2 of 5

Setting Minimum Read Length for Industrial 2 of 5

You can customize the minimum reading length from Industrial 2 of 5 codes according to your requirements. Set the code code to $[^{3} + 0107XX]$, support 1-15 bits, corresponding to the hexadecimal value of 01-0F, 01 represents the minimum length of 1

Default to "Minimum Read Length 3"



010701

The minimum reading length is 1



010703

The minimum reading length is 3*

Standard 2 of 5(IATA)

Enable/Disable Standard 2 of 5



01871

Enable Standard 2 of 5*



01870

Disable Standard 2 of 5

Setting Standard 2 of 5 Minimum Read Length

You can customize the minimum reading length from Standard 2 of 5 codes according to your requirements. Set the code to [$^3 + 0189XX$], support 1-15 bits, corresponding to the hexadecimal value of 01-0F, 01 represents the minimum length of 1

Default to "Minimum Read Length 4" "



018901

The minimum reading length is 1



018904

The minimum reading length is 4*

Codabar (NW-7)

Enable/Disable Codabar



00851

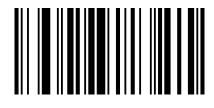
Enable Codabar*



00850

Disable Codabar

Transmit Start/Stop Character



00861

Transmit Start/Stop Character



00860

Do not Transmit Start/Stop Character*

Setting Codabar Minimum Read Length

You can customize the minimum reading length from Codabar code according to your requirements. Set the code code to [^ 3 + 0187XX], support 1-15 bits, corresponding to the hexadecimal value of 01-0F, 01 represents the minimum length of 1

Default to "Minimum Read Length 4" "



018701



018704

The minimum reading length is 1

The minimum reading length is 4*

Plessey

Enable/Disable Plessey



01161

Enable Plessey



01160

Disable Plessey*

Set Plessey Minimum Read Length

You can customize the minimum reading length from Plessey code according to your requirements. Set the code code to [^ 3 + 0119XX], support 1-15 bits, corresponding to the hexadecimal value of 01-0F, 01 represents the minimum length of 1

Default to "Minimum Read Length is 4".



011901

Minimum Read Length is 1



011904

Minimum Read Length is 4*

MSI Plessey

Enable/Disable MSI Plessey



01151

Enable MSI Plessey



01150

Disable MSI Plessey*

Setting MSI Plessey Minimum Read Length

You can customize the minimum reading length from MSI Plessey code according to your requirements. Set the code to [^ 3 + 0118XX], support 1-15 bits, corresponding to the hexadecimal value of 01-0F, 01 represents the minimum length of 1

Default to "Minimum Read Length is 4" "



011801

Minimum Read Length is 1



011804

Minimum Read Length is 4*

GS1 DataBar Limited (RSS Limited)

Enable/Disable RSS Limited



01771

Enable RSS Limited



01770

Disable RSS Limited*

GS1 DataBar Omnidirectional (RSS Omnidirectional)

Enable/Disable RSS Omnidirectional



01671

Enable RSS Omnidirectional



01670

Disable RSS Omnidirectional*

China Post (Datalogic 2 of 5)

Enable/Disable China Post



01571

Enable China Post



01570

DisableChina Post*

Add-on Code

Users can do additional setting by scanning following UPC/EAN/JAN code



00551

Enable 2-Digit add-on Code



00552

Enable5-Digit add-on Code



00553

Enable 2-Digit or 5-Digit add-on Code



00550

Disable Add-on Code*



02611

Add-on Code Required



02610

Add-on Code Not Required

Chapter6 Serial Communication Instruction

Instruction

When using the serial port mode, the barcode reader can control the barcode scanner to send commands or set related functions by sending relevant instructions.

Serial instruction is fixed to 16 bytes in one frame (16bytes, 1byte=8bit).

Frame format structure

Serial port instruction one frame format is as follows:

STX+CMD+DA0+DA1+DA2+DA3+DA4+DA5+DA6+.....+DA10+DA11+ETX+SUM
To ensure data accuracy, the last byte of a frame of data (16 bytes) is the checksum, assuming that the first 15 bytes are a, and then SUM = 256 - (a & 0xFF).

Among them:

STX=0x02; ETX=0x03 (STX and ETX values are ASCII hexadecimal defined values.)
CMD represents a control or setup instruction.

Instruction Parsing

When CMD=0x01, it indicates a control instruction.

DA0=0x01, control the barcode reader switch command, can control the barcode reader to open or close the decoding function.

DA1=0x00, Controlling the Barcode Off (Decoding Off)

DA1=0x01, control the barcode reader on (open decoding, no timeout, no highlighting until decoding is complete, until the decoding is completed.)

DA1=0x02, control the barcode reader on (open decode, timeout)

DA2~DA3, timeout in 1ms (format 0xDA3 0xDA2) When CMD = 0x02, indicates setting instruction.

When CMD=0x02, it represents the setting instruction

DA0, the setting code is valid byte length +1 (if display version number setting code is 000A0, length is 5, DA0=6)

DA1, fixed to 0x82

DA2~DA11, setting code content (set bar code encoding), DA2 start insufficient bit complement 0x00

Instruction save

When the user sends a set barcode reader parameter using an instruction, after sending the setup instruction, an instruction to save the parameter needs to be sent to save the current parameter. (Open and close instructions do not need to be saved)

STX	CMD	DA0	DA1	DA2	DA3	DA4~DA10	DA11	ETX	SUM
02H	01H	03H	AAH	55H	00H	00H~00H	00H	03H	F8H

Save parameter instructions: 02 01 03 AA 55 00 00 00 00 00 00 00 00 03 F8

Instruction Feedback Setting

After the setup response is turned on (scan code 02421, or serial port send command is enabled), if the setup command is executed successfully, it will respond with a response character ACK (ASCII code 0x06). If it can't be executed successfully, it will answer a NAK (ASCII code) 0x15.



02421

Enable response



02420

Disable response*

Sound Feedback Settings

When the audio feedback is turned on (scan code 01411, or serial port command is enabled), if the setup command is successfully executed, the buzzer will sound, and the instruction execution sound feedback is turned off by default.



01411

Turn on feedback sound



01410

Turn off feedback sound *

Trigger instruction

Turn on scan: 02 01 01 02 B8 0B 00 00 00 00 00 00 00 00 33 34

Turn off scan: 02 01 01 00 00 00 00 00 00 00 00 00 00 03 F9

Case Analysis

Close decoding

CMD=0x01, DA0=0x01, DA1=0x00, DA2~DA11=0x00,

a=(0)*16+(2+1+1+3)*1=7=0x07

SUM=256-(0x07&FF)=256-(111&1111111)=256-7=249=0xF9

STX	CMD	DA0	DA1	DA2	DA3	DA4~DA10	DA11	ETX	SUM
02H	01H	01H	00H	00H	00H	00H~00H	00H	03H	F9H

Hexadecimal instructions: 02 01 01 00 00 00 00 00 00 00 00 00 00 59

Turn on decode timeout 3 seconds

CMD=0x01, DA0=0x01, DA1=0x02, DA2=B8, DA3=0B, DA4~DA11=0x00,

Time out 3S=3000MS=0x0BB8

a=(B)*16+(2+1+1+2+8+B+3)*1=204=0xCC

SUM=256-(0xCC&FF)=256-(11001100&11111111)=256-204=52=0x34

STX	CMD	DA0	DA1	DA2	DA3	DA4~DA10	DA11	ETX	SUM
02H	01H	01H	02H	ввн	ОВН	00~00H	00H	03H	34H

Hexadecimal instructions: 02 01 01 02 B8 0B 00 00 00 00 00 00 00 03 34

Set the baud rate 115200

Set instruction code: 000709

CMD=0x02, DA0=0x07, DA1=0x82,

DA2~DA7=000709=0x30,0x30,0x30,0x30,0x37,0x30,0x39

a=(8+3+3+3+3+3+3+3)*16+(2+2+7+2+9+5+3)*1=448=0x1c0

SUM=256-(0x1c0&FF)=256-(111000000&11111111)=256-192=64=0x40

STX	CMD	DA0	DA1	DA2	DA3	DA4	DA5	DA6	DA7	DA8~DA11	ETX	SUM
02H	02H	07H	82H	30H	30H	30H	37H	39H	35H	00H~00H	03H	40H

Hexadecimal instructions: 02 02 07 82 30 30 30 37 30 39 00 00 00 00 03 40

Add carriage return line feed

Set instruction code: 0213@\r\n

CMD=0x02, DA0=0x08, DA1=0x82.

 $DA2\sim DA8=0213@\r\n=0x30,0x32,0x31,0x33,0x40,0x0D,0x0A$

a=(8+3+3+3+3+4)*16+(2+2+8+2+2+1+3+13+10+3)*1=430=0x1ae=256-

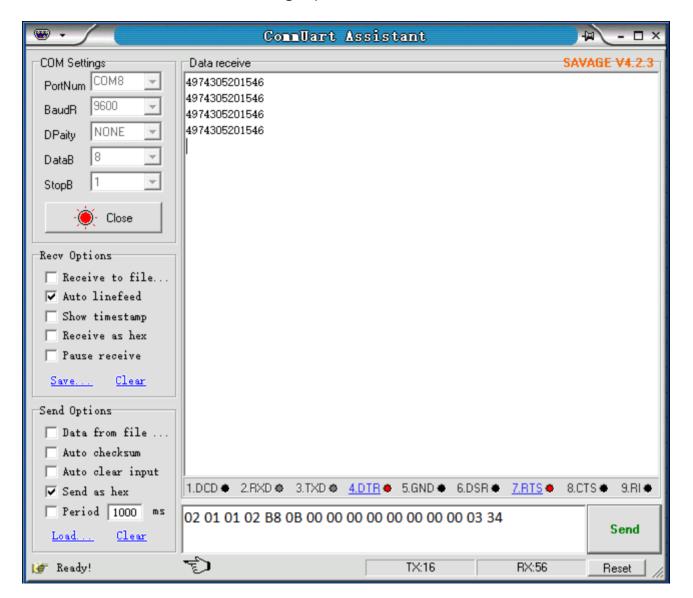
(0x1ae&0xFF)=256-(110101110&11111111)=256-(10101110)=256-174=82=0x52

CTV	СМ	DA	DA	DA	DA9~DA1	FTV	SU						
STX	D	0	1	2	3	4	5	6	7	8	1	ETX	М
02	0211	0011	0211	2011	2211	2411	2211	4011	0D	0A	0011 0011	03	.
Н	02H	08H	82H	30H	32H	31H	33H	40H	Н	Н	00H~00H	Н	52H

Hexadecimal instructions: : 02 02 08 82 30 32 31 33 40 0D 0A 00 00 00 03 52

Instruction sending example

Send a hexadecimal command to control the scan. Use the instruction to open the decode timeout for 3 seconds to confirm the serial port protocol setting. Enter the corresponding command in the command sending input box.



Note: For detailed instructions, please refer to "Appendix - Instruction Set"

Chapter7 Appendix

Appendix - Default Settings Sheet

Parameter name	Default setting	Instruction Remark
Comprehensive settings		
Setting code function	ON	Default on
Send setup code	OFF	Default off
Sound Settings	Open	Open All Sounds
Sound frequency	2.0KHZ	
USB Fast pass	OFF	
Character delay	4MS	
Image recognition method	Forward image recognition	
Communication settings		
Interface mode	USB-KBW	
Keyboard mode	American English	
Baud rate	9600	
Serial port verification	No check	
Data bits	8	
Stop bit	1	
Reading mode		
Reading mode	Manual reading	
Inductive Reading Model	OFF	
Sensitivity	ON	medium
Key Delay Single Reading	3S	
Timeout		
Interval time of continuous	1S	
reading mode		
Data editing		
Send Code ID	OFF	
Send a custom prefix	OFF	

1D Barcoae Searmer Setting Marian		
Send a custom suffix	OFF	
End of transmit suffix	ON	Allow, Enter
Character conversion	OFF	Normal
Barcode parameter settings		
UPC-A		
Enable	ON	
Transmit Check Digit	ON	
Enable 2-Digit add-on Code	OFF	
Enable 5-Digit add-on Code	OFF	
2-Digit Add-on Code	OFF	
Required		
5-Digit Add-on Code	OFF	
Required		
Transfer system character	ON	
Barcode information	OFF	
expanded to EAN-13		
UPC-E		
Enable	ON	
Transmit Check Digit	ON	
Enable 2-Digit add-on Code	OFF	
Enable 5-Digit add-on Code	OFF	
2-Digit Add-on Code	OFF	
Required		
5-Digit Add-on Code	OFF	
Required		
Transfer system character	ON	
Expanded to UPC-A	OFF	
When expanding, the type is	OFF	
converted to UPC-A		
EAN-8		
Enable	ON	

TD Barcode Scarnier Setting Marida		V1.1
Transmit Check Digit	ON	
Enable 2-Digit add-on Code	OFF	
Enable 5-Digit add-on Code	OFF	
2-Digit Add-on Code	OFF	
Required		
5-Digit Add-on Code	OFF	
Required		
Transfer system character	ON	
EAN-13		
Enable	ON	
Transmit Check Digit	ON	
Enable 2-Digit add-on Code	OFF	
Enable 5-Digit add-on Code	OFF	
2-Digit Add-on Code	OFF	
Required		
5-Digit Add-on Code	OFF	
Required		
Expand to ISBN	OFF	
Code 128		
Enable	ON	
Transmit Check Digit	OFF	
Code 39		
Enable	ON	
Transmit Start/Stop	OFF	
Character		
Enable Code 39 Full ASCII	ON	
Code 93		
Enable	ON	
Transmit Check Digit	OFF	
Code 11		
Enable	ON	

ON	
C校验	
ON	
OFF	
OFF	
OFF	
	ON ON ON ON ON OFF OFF OFF OFF OFF OFF

Appendix -Code ID

No.	Barcode type	Code ID Code	Barcode type code (Suffix
1	All Barcode	@	00
2	CODE 128	а	01
3	EAN 8	С	03
4	EAN 13	d	04
5	UPC-A	e	05
6	UPC-E	£ zz	06
7	CODE 93	i	09
8	GS1 Omnidirectional	j	0A
9	GS1 Limited	k	ОВ
10	CODE 39	m	0D
11	Interleaved 2 of 5	n	0E
12	Industrial 2 of 5	О	0F
13	Standard 2 of 5	р	10
14	Matrix 2 of 5	q	11
15	China Post	r	12
16	MSI	S	13
17	Plessey	t	14
18	Code 11	u	15
19	Codabar	V	16

Appendix - Instruction Set

1. Function	instructions	Hexadecimal instructions
2. Turn on scanning without	NIA	02 01 01 01 00 00 00 00 00 00 00 00 00
timeout	NA	00 03 F8
3. Turn on scanning timeout 3	NIA	02 01 01 02 B8 0B 00 00 00 00 00 00 00
seconds	NA	00 03 34
4. Turn on scanning timeout 10	NIA	02 01 01 02 10 27 00 00 00 00 00 00 00
seconds	NA	00 03 C0
5. Class the seen	NIA	02 01 01 00 00 00 00 00 00 00 00 00 00
5. Close the scan	NA	00 03 F9
s. Carrenand assistan	NIA	02 01 03 AA 55 00 00 00 00 00 00 00
6. Command saving	NA	00 00 03 F8
7. Dostovo dofovilt gottings	00000	02 02 06 82 30 30 30 42 30 00 00 00 00
7. Restore default settings	000B0	00 03 6F
8. Check the software version	00040	02 02 06 82 30 30 30 41 30 00 00 00 00
8. Check the software version	000A0	00 03 70
O Haar dafalt cattings	00000	02 02 06 82 30 30 30 30 30 00 00 00 00
9. User default settings	00000	00 03 81
10. Replace factory default	00001	02 02 06 82 30 30 30 30 31 00 00 00 00
settings	00001	00 03 80
44 Enton Coture	00000	02 02 06 82 30 39 39 39 30 00 00 00 00
11. Enter Setup	09990	00 03 66

12. Exit Setup 09991 02 02 06 82 30 39 39 39 31 00 00 00 00 00 00 00 00 03 65 13. Transmit Programming Barcode Data 14. Not Transmit Programming Barcode Data ent 02500 02 02 06 82 30 32 35 30 31 00 00 00 00 00 00 00 37 A 15. Turn on all sounds 014201 02 02 07 82 30 31 34 32 30 31 00 00 00 00 00 00 00 348 16. Turn off all sounds 014200 014203 02 02 07 82 30 31 34 32 30 30 00 00 00 00 00 00 00 349 17. Turn Off Ordinary Code Sound 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 37 00 00 00 00 00 00 342 19. Voice increase 014300 014301 02 02 07 82 30 31 34 33 30 30 00 00 00 00 00 348 20. Voice reduction 014301 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 00 00 347 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 41 41 41 00 00			
13. Transmit Programming Barcode Data 14. Not Transmit Programming Barcode Data ent 15. Turn on all sounds 16. Turn Off Ordinary Code Sound 17. Turn Off Ordinary Code Sound 18. Open Settings Sound 19. Voice increase 10. Oo 3 48 20. Voice reduction 21. Sound frequency 2.0KHZ 10. Oo 3 65 00 02 02 06 82 30 32 35 30 31 00 00 00 00 00 00 00 00 00 00 00 00 00	12. Exit Setup	09991	02 02 06 82 30 39 39 39 31 00 00 00 00
Barcode Data 14. Not Transmit Programming Barcode Data ent 02500 02 02 06 82 30 32 35 30 30 00 00 00 00 00 00 03 7A 15. Turn on all sounds 014201 02 02 07 82 30 31 34 32 30 31 00 00 00 00 00 03 48 16. Turn off all sounds 014200 014200 00 03 49 17. Turn Off Ordinary Code Sound 014203 02 02 07 82 30 31 34 32 30 30 00 00 00 00 03 46 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 37 00 00 00 00 03 42 19. Voice increase 014300 014300 02 02 07 82 30 31 34 33 30 30 00 00 00 00 03 48 20. Voice reduction 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 03 47 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 41 41 41 00 00	ZZ. Zz. Cotap		00 03 65
Barcode Data 00 03 79 14. Not Transmit Programming Barcode Data ent 02 02 06 82 30 32 35 30 30 00 00 00 00 00 00 00 00 00 00 37 A 15. Turn on all sounds 014201 02 02 07 82 30 31 34 32 30 31 00 00 00 00 00 00 00 00 00 00 00 00 00	13. Transmit Programming	02501	02 02 06 82 30 32 35 30 31 00 00 00 00
Barcode Data ent 02500 00 03 7A 15. Turn on all sounds 014201 02 02 07 82 30 31 34 32 30 31 00 00 00 00 03 48 16. Turn off all sounds 014200 00 03 49 17. Turn Off Ordinary Code Sound 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 33 00 00 00 00 03 46 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 37 00 00 00 00 03 42 19. Voice increase 014300 014301 02 02 07 82 30 31 34 33 30 30 00 00 00 00 03 48 20. Voice reduction 014301 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 00 03 0D	Barcode Data	02301	00 03 79
Barcode Data ent 00 03 7A 15. Turn on all sounds 014201 02 02 07 82 30 31 34 32 30 31 00 00 00 00 00 348 16. Turn off all sounds 014200 00 03 49 17. Turn Off Ordinary Code Sound 014203 02 02 07 82 30 31 34 32 30 30 00 00 00 00 00 346 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 37 00 00 00 00 01 4207 19. Voice increase 014300 02 02 07 82 30 31 34 33 30 30 00 00 00 00 00 348 20. Voice reduction 014301 02 02 02 07 82 30 31 34 33 30 31 00 00 00 00 00 347 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 00 00 00 00 00 00 00 00 00	14. Not Transmit Programming	02500	02 02 06 82 30 32 35 30 30 00 00 00 00
15. Turn on all sounds 014201 00 03 48 16. Turn off all sounds 014200 014200 00 03 49 17. Turn Off Ordinary Code Sound 18. Open Settings Sound 19. Voice increase 014300 014301 014301 0145800 014201 00 03 48 02 02 07 82 30 31 34 32 30 33 00 00 00 00 00 00 00 00 00 00 00	Barcode Data ent	02300	00 03 7A
16. Turn off all sounds 014200 00 03 48 02 02 07 82 30 31 34 32 30 30 00 00 00 00 03 49 17. Turn Off Ordinary Code Sound 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 33 00 00 00 18. Open Settings Sound 014207 00 03 42 19. Voice increase 014300 00 03 48 20. Voice reduction 014301 02 02 07 82 30 31 34 33 30 30 00 00 00 00 03 47 21. Sound frequency 2.0KHZ 0145800 00 03 0D	15 Turn on all counds	01/201	02 02 07 82 30 31 34 32 30 31 00 00 00
16. Turn off all sounds 014200 00 03 49 17. Turn Off Ordinary Code Sound 014203 02 02 07 82 30 31 34 32 30 33 00 00 00 00 00 00 00 346 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 37 00 00 00 00 00 00 342 19. Voice increase 014300 02 02 07 82 30 31 34 33 30 30 00 00 00 00 00 00 348 20. Voice reduction 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 00 00 347 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 00 00 00 00 00 00 00 00 00	15. Turri ori ali sourius	014201	00 03 48
00 03 49 17. Turn Off Ordinary Code Sound 18. Open Settings Sound 19. Voice increase 014300 014207 02 02 07 82 30 31 34 32 30 33 00 00 00 00 03 42 19. Voice increase 014300 014301 02 02 07 82 30 31 34 33 30 30 00 00 00 00 03 48 20. Voice reduction 014301 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 03 47 21. Sound frequency 2.0KHZ 0145800 00 03 0D 00 03 43 34 35 38 30 30 00 00 00 03 0D	16 Turn off all counds	014200	02 02 07 82 30 31 34 32 30 30 00 00 00
17. Turn Off Ordinary Code Sound 014203 00 03 46 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 37 00 00 00 00 00 00 342 19. Voice increase 014300 02 02 07 82 30 31 34 33 30 30 00 00 00 00 00 00 348 20. Voice reduction 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 00 00 347 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 00 00 00 00 00 00 00 00 00	10. Iuiii Oii aii Soulius	014200	00 03 49
00 03 46 18. Open Settings Sound 014207 02 02 07 82 30 31 34 32 30 37 00 00 00 00 03 42 19. Voice increase 014300 02 02 07 82 30 31 34 33 30 30 00 00 00 00 03 48 20. Voice reduction 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 03 47 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 00 03 0D	17 Turn Off Ordinary Code Sound	014202	02 02 07 82 30 31 34 32 30 33 00 00 00
18. Open Settings Sound 014207 00 03 42 19. Voice increase 014300 02 02 07 82 30 31 34 33 30 30 00 00 00 00 00 00 00 00 00 00	17. full On Ordinary Code Sound	014203	00 03 46
19. Voice increase 014300 02 02 07 82 30 31 34 33 30 30 00 00 00 00 03 48 20. Voice reduction 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 03 47 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 02 02 08 82 30 31 34 35 41 41 41 00 00	19 Open Settings Sound	014207	02 02 07 82 30 31 34 32 30 37 00 00 00
19. Voice increase 014300 00 03 48 20. Voice reduction 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 00 03 47 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 00 00 00 00 00 00 00 00 00	16. Open Settings Sound	014207	00 03 42
00 03 48 20. Voice reduction 014301 02 02 07 82 30 31 34 33 30 31 00 00 00 00 03 47 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 02 02 08 82 30 31 34 35 41 41 41 00 00	10 Voice increase	01/300	02 02 07 82 30 31 34 33 30 30 00 00 00
20. Voice reduction 014301 00 03 47 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 00 03 0D 02 02 08 82 30 31 34 35 41 41 41 00 00	19. Voice increase	014300	00 03 48
00 03 47 21. Sound frequency 2.0KHZ 0145800 02 02 08 82 30 31 34 35 38 30 30 00 00 00 03 0D 02 02 08 82 30 31 34 35 41 41 41 00 00	20 Voice reduction	01//301	02 02 07 82 30 31 34 33 30 31 00 00 00
21. Sound frequency 2.0KHZ 0145800 00 03 0D 02 02 08 82 30 31 34 35 41 41 41 00 00	20. Voice reduction	014301	00 03 47
00 03 0D 02 02 08 82 30 31 34 35 41 41 41 00 00	21 Sound frequency 2 OKH7	0145800	02 02 08 82 30 31 34 35 38 30 30 00 00
	21. Journa Hequeircy 2.0KHZ	0143000	00 03 0D
1 22 Sound trequency 2 /KH/ 101/15/00	22 Sound frequency 2.7KU7	0145AAA	02 02 08 82 30 31 34 35 41 41 41 00 00
22. Sound frequency 2.7KHZ 0145AAA 00 03 E2	22. Soutia frequency 2.7KHZ	UI43AAA	00 03 E2

23. Allow USB Fast Transfer 02301 02 02 06 82 30 32 33 30 31 00 00 00 00 00 00 00 00 00 37B 24. Ban USB Fast Transfer 02300 02 02 06 82 30 32 33 30 30 00 00 00 00 00 00 00 00 00 00			
24. Ban USB Fast Transfer 02300 02 02 06 82 30 32 33 30 30 00 00 00 00 00 00 00 00 00 00	23. Allow USB Fast Transfer	02301	
24. Ban USB Fast Transfer 02300 00 03 7C 25. Fast transmission speed (no delay) 001500 02 02 07 82 30 30 31 35 30 30 00 00 00 00 00 00 00 00 00 00 00			00 03 7B
25. Fast transmission speed (no delay) 26. Moderate transmission speed (delay 4MS) 27. Slow transmission speed (delay 6MS) 28. Slow transmission speed (delay 12MS) 29. Normal Image Recognition 20. 02 07 82 30 30 31 35 30 32 00 00 00 00 00 00 00 00 00 00 00 00 00	24. Ban USB Fast Transfer	02300	02 02 06 82 30 32 33 30 30 00 00 00 00
delay) 001500 00 03 4A 26. Moderate transmission speed (delay 4MS) 001502 02 02 07 82 30 30 31 35 30 32 00 00 00 00 00 00 00 00 00 348 27. Slow transmission speed (delay 6MS) 001504 02 02 07 82 30 30 31 35 30 34 00 00 00 00 00 00 00 00 00 00 00 00 00			00 03 7C
delay) 00 03 4A 26. Moderate transmission speed (delay 4MS) 02 02 07 82 30 30 31 35 30 32 00 00 00 00 00 00 348 27. Slow transmission speed (delay 6MS) 001504 02 02 07 82 30 30 31 35 30 34 00 00 00 00 00 00 00 00 00 00 00 00 00	25. Fast transmission speed (no	001500	02 02 07 82 30 30 31 35 30 30 00 00 00
(delay 4MS) 001502 27. Slow transmission speed (delay 6MS) 001504 28. Slow transmission speed (delay 12MS) 001506 29. Normal Image Recognition 00161 30. Image Reverse Recognition 00160 31. USB-KBW 000602 32. USB-COM 000603	delay)	00.000	00 03 4A
(delay 4MS) 00 03 48 27. Slow transmission speed (delay 6MS) 001504 02 02 07 82 30 30 31 35 30 34 00 00 00 00 00 00 00 346 28. Slow transmission speed (delay 12MS) 001506 02 02 07 82 30 30 31 35 30 36 00 00 00 00 00 00 00 00 00 00 00 00 00	26. Moderate transmission speed	001502	02 02 07 82 30 30 31 35 30 32 00 00 00
(delay 6MS) 28. Slow transmission speed (delay 12MS) 29. Normal Image Recognition 30. Image Reverse Recognition 31. USB-KBW 32. USB-COM 001504 001504 00 03 46 02 02 07 82 30 30 31 35 30 36 00 00 00 00 00 00 00 00 344 02 02 06 82 30 30 31 36 31 00 00 00 00 00 00 00 00 00 00 00 00 00	(delay 4MS)	001302	00 03 48
(delay 6MS) 00 03 46 28. Slow transmission speed (delay 12MS) 02 02 07 82 30 30 31 35 30 36 00 00 00 00 00 00 344 29. Normal Image Recognition 00161 30. Image Reverse Recognition 00160 31. USB-KBW 000602 32. USB-COM 000603 33. USB-HID 000604	27. Slow transmission speed	001504	02 02 07 82 30 30 31 35 30 34 00 00 00
(delay 12MS) 001506 29. Normal Image Recognition 00161 30. Image Reverse Recognition 00160 000602 02 02 06 82 30 30 31 36 31 00 00 00 00 00 00 00 00 00 00 00 00 00	(delay 6MS)	001504	00 03 46
(delay 12MS) 00 03 44 29. Normal Image Recognition 00161 02 02 06 82 30 30 31 36 31 00 00 00 00 00 00 00 00 379 30. Image Reverse Recognition 00160 02 02 06 82 30 30 31 36 30 00 00 00 00 00 00 00 00 37A 31. USB-KBW 000602 02 02 07 82 30 30 30 36 30 32 00 00 00 00 00 348 32. USB-COM 000603 02 02 07 82 30 30 30 36 30 33 00 00 00 00 00 00 347 33. USB-HID 000604 02 02 07 82 30 30 30 36 30 34 00 00 00 00 00 00 00 00 00 00 00 00 00	28. Slow transmission speed	001506	02 02 07 82 30 30 31 35 30 36 00 00 00
29. Normal Image Recognition 00161 30. Image Reverse Recognition 02 02 06 82 30 30 31 36 30 00 00 00 00 00 00 00 00 00 37A 31. USB-KBW 02 02 07 82 30 30 30 36 30 32 00 00 00 00 00 348 32. USB-COM 000603 33. USB-HID 000604	(delay 12MS)		00 03 44
30. Image Reverse Recognition 00 03 79 31. USB-KBW 000602 32. USB-COM 000603 33. USB-HID 000604 00 03 7A 02 02 07 82 30 30 31 36 30 32 00 00 00 00 03 48 02 02 07 82 30 30 30 36 30 33 00 00 00 00 03 47 02 02 07 82 30 30 30 36 30 34 00 00 00 02 02 07 82 30 30 30 36 30 34 00 00 00	20 Normal Image Recognition	00161	02 02 06 82 30 30 31 36 31 00 00 00 00
30. Image Reverse Recognition 00160 00 03 7A 00 03 7A 00 00 03 7A 00 00 00 00 00 00 00 00 00 00 00 00 00	29. Normal image Necognition	00101	00 03 79
00 03 7A 00 03 7A 02 02 07 82 30 30 30 36 30 32 00 00 00 00 03 48 02 02 07 82 30 30 30 36 30 32 00 00 00 00 03 48 02 02 07 82 30 30 30 36 30 33 00 00 00 00 03 47 02 02 07 82 30 30 30 36 30 34 00 00 00 33. USB-HID 000604	20 Image Reverse Recognition	00160	02 02 06 82 30 30 31 36 30 00 00 00 00
31. USB-KBW 000602 00 03 48 32. USB-COM 000603 02 02 07 82 30 30 30 36 30 33 00 00 00 00 00 03 47 33. USB-HID 000604 02 02 07 82 30 30 30 36 30 34 00 00 00	30. mage neverse necognition	30100	00 03 7A
00 03 48 32. USB-COM 000603 02 02 07 82 30 30 36 30 33 00 00 00 00 03 47 02 02 07 82 30 30 30 36 30 34 00 00 00 33. USB-HID 000604	21 LISR_KRW/	000602	02 02 07 82 30 30 30 36 30 32 00 00 00
32. USB-COM 000603 00 03 47 02 02 07 82 30 30 36 30 34 00 00 00 33. USB-HID 000604	31. OSD RDVV	000002	00 03 48
00 03 47 02 02 07 82 30 30 36 30 34 00 00 00 33. USB-HID 000604	32 LISR-COM	000603	02 02 07 82 30 30 30 36 30 33 00 00 00
33. USB-HID 000604	32. 03b COIVI	000003	00 03 47
	33. USB-HID 000604	000604	02 02 07 82 30 30 30 36 30 34 00 00 00
		000004	00 03 46

34. TTL/RS232 000601	02 02 07 82 30 30 30 36 30 31 00 00 00	
34. 11L/1(3232		00 03 49
35. 波特率 600bps	000701	02 02 07 82 30 30 30 37 30 31 00 00 00
33. //X1 3 4: 0000ps	000701	00 03 48
36. 波特率 1200bps	000702	02 02 07 82 30 30 30 37 30 32 00 00 00
56. //文 行学 1200bps	000702	00 03 47
27 haud rato 2400has	000703	02 02 07 82 30 30 30 37 30 33 00 00 00
37. baud rate 2400bps	000703	00 03 46
20 haud rata 1000hna	000704	02 02 07 82 30 30 30 37 30 34 00 00 00
38. baud rate 4800bps	000704	00 03 45
	000705	02 02 07 82 30 30 30 37 30 35 00 00 00
39. baud rate 9600bps		00 03 44
40 bould rate 10200b as	000706	02 02 07 82 30 30 30 37 30 36 00 00 00
40. baud rate 19200bps	000706	00 03 43
41 haud rata 29400has	000707	02 02 07 82 30 30 30 37 30 37 00 00 00
41. baud rate 38400bps	000707	00 03 42
42 haud rato 57600hns	000708	02 02 07 82 30 30 30 37 30 38 00 00 00
42. baud rate 57600bps	000708	00 03 41
42 haud rato 115200hns	000709	02 02 07 82 30 30 30 37 30 39 00 00 00
43. baud rate 115200bps	000709	00 03 40
44. Odd parity check 001001	001001	02 02 07 82 30 30 31 30 30 31 00 00 00
	001001	00 03 4E

45. Parity check 0	001002	02 02 07 82 30 30 31 30 30 32 00 00 00
45.1 diffy check	701002	00 03 4D
46. No check 0	001000	02 02 07 82 30 30 31 30 30 30 00 00 00
40. NO CHECK	001000	00 03 4F
47. 8-bit data bits 0	0800	02 02 06 82 30 30 30 38 30 00 00 00 00
47. 8-DIL data DILS	0000	00 03 79
48. 7-bit data bits 0	00081	02 02 06 82 30 30 30 38 31 00 00 00 00
48. 7-bit data bits	JUU6 I	00 03 78
	00090	02 02 06 82 30 30 30 39 30 00 00 00 00
49. Stop bit 1		00 03 78
	00091	02 02 06 82 30 30 30 39 31 00 00 00 00
50. Stop bit 2		00 03 77
51. PS2 0	000600	02 02 07 82 30 30 30 36 30 30 00 00 00
51. P32	00000	00 03 4A
52. Trigger Mode Mode	013300	02 02 07 82 30 31 33 33 30 30 00 00 00
U	713300	00 03 49
53. Continuous scanning mode	013304	02 02 07 82 30 31 33 33 30 34 00 00 00
	713304	00 03 45
54. Turn on Sense Mode)2311	02 02 06 82 30 32 33 31 31 00 00 00 00
U	12311	00 03 7A
55. Turn off Sense mode	de 02310	02 02 06 82 30 32 33 31 30 00 00 00 00
		00 03 7B

56. High sensitivity	026531	02 02 07 82 30 32 36 35 33 31 00 00 00
	020331	00 03 3F
57. Medium Sensitivity	026527	02 02 07 82 30 32 36 35 33 37 00 00 00
	026537	00 03 39
58. Low sensitivity	026525	02 02 07 82 30 32 36 35 33 46 00 00 00
	02653F	00 03 2A
50 Florida a constant (locus out)	012206	02 02 07 82 30 31 33 33 30 36 00 00 00
59. Flashing mode (key on)	013306	00 03 43
so Floring and (Verseff)	012205	02 02 07 82 30 31 33 33 30 35 00 00 00
60. Flashing mode (Key off)	013305	00 03 44
	010001	02 02 07 82 30 31 33 33 30 31 00 00 00
61. Key delay single read mode	013301	00 03 48
4	022510	02 02 07 82 30 32 33 35 31 30 00 00 00
62. 1 second timeout	023510	00 03 45
co. 2		02 02 07 82 30 32 33 35 33 30 00 00 00
63. 3 second timeout	023530	00 03 43
C4 10 second timest	022540	02 02 07 82 30 32 33 35 41 30 00 00 00
64. 10 second timeout	0235A0	00 03 35
CF 1E cocond time and	022550	02 02 07 82 30 32 33 35 46 30 00 00 00
65. 15 second timeout	0235F0	00 03 30
66. Open Test Mode 02571	02571	02 02 06 82 30 32 35 37 31 00 00 00 00
	U23/ I	00 03 72

67. Close Test Mode 02570	02 02 06 82 30 32 35 37 30 00 00 00 00
67. Close lest Mode 02370	00 03 73
68. No interval 02630	02 02 07 82 30 32 36 33 30 30 00 00 00
68. NO litterval	00 03 45
69. interval 0.1S 02630	02 02 07 82 30 32 36 33 30 31 00 00 00
69. Interval 0.13	00 03 44
70. interval 0.9S 02630	02 02 07 82 30 32 36 33 30 39 00 00 00
70. IIItel val 0.93	00 03 3C
71. interval 1.5S 02630	02 02 07 82 30 32 36 33 30 46 00 00 00
71. IIItel val 1.33	00 03 2F
72. Transfer CODE ID 0140	02 02 06 82 30 31 34 30 31 00 00 00 00
72. Transfer CODE ID 0140	00 03 7B
73. Transfer CODE ID 0140	02 02 06 82 30 31 34 30 30 00 00 00 00
73. Transfer CODE ID 01400	00 03 7C
	XX Hexadecimal code that corresponds
	to the "Appendix - Character Table"
	character, add one at a time, can add
74. Add a custom prefix 02233	XX up. Example: add the character A
	(0x41), set the code to 022341, The
	instruction is: 02 02 07 82 30 32 32 33
	34 31 00 00 00 03 44

	02220	02 02 06 82 30 32 32 32 30 00 00 00 00
75. Clear all prefixes		00 03 7B
		XX is the hexadecimal code of the
		"Appendix - Character Table"
		corresponding character, each time
		you add one, you can add it
76. Add a custom suffix	0221XX	cumulatively. Example: Add the
		character B (0x42), the setting code is
		022142, and the instruction is: 02 02
		07 82 30 32 32 31 34 32 00 00 00 00 03
		45
77. Clear all suffixes	02200	02 02 06 82 30 32 32 30 30 00 00 00 00
77. Clear all suffixes	02200	00 03 7D
	022401	02 02 07 82 30 32 33 34 30 31 00 00 00
78. Hide the leading 1 character	023401	00 03 46
70 Hide the leading 2 sharestors	023402	02 02 07 82 30 32 33 34 30 32 00 00 00
79. Hide the leading 2 characters	023402	00 03 45
20 Hide the leading 2 characters	022402	02 02 07 82 30 32 33 34 30 33 00 00 00
80. Hide the leading 3 characters	023403	00 03 44
01 Hide the leading 5 sharesters	022405	02 02 07 82 30 32 33 34 30 33 00 00 00
81. Hide the leading 5 characters	023405	00 03 44

		. =
82. Unhide leading characters	023400	02 02 07 82 30 32 33 34 30 30 00 00 00
82. Offitide leading characters	025400	00 03 47
83. Hide the one-bit character	023301	02 02 07 82 30 32 33 33 30 31 00 00 00
83. Fide the one-bit character	025501	00 03 47
84. Hide the last 2 characters	022202	02 02 07 82 30 32 33 33 30 32 00 00 00
84. Fide the last 2 characters	023302	00 03 46
85. Hides the last 3 characters	023303	02 02 07 82 30 32 33 33 30 33 00 00 00
85. Fides the last 3 characters	023303	00 03 45
86. Hide the last 5 characters	022205	02 02 07 82 30 32 33 33 30 35 00 00 00
86. Hide the last 5 characters	023305	00 03 43
	022200	02 02 07 82 30 32 33 33 30 30 00 00 00
87. Unhide the trailing characters	ers 023300	00 03 48
88. Hiding the middle of the first	024001	02 02 07 82 30 32 34 30 30 31 00 00 00
character begins	024001	00 03 49
89. Hiding the middle of the	024002	02 02 07 82 30 32 34 30 30 32 00 00 00
second character starts	024002	00 03 48
90. Hiding the middle of the third	024002	02 02 07 82 30 32 34 30 30 33 00 00 00
character starts	024003	00 03 47
91. Hiding the middle of the 4th	024004	02 02 07 82 30 32 34 30 30 34 00 00 00
character starts	UZ4UU4	00 03 46
92. Hiding the middle of the 5th	024005	02 02 07 82 30 32 34 30 30 35 00 00 00
character starts	024005	00 03 45

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93. Hiding the middle of the 6th	024006	02 02 07 82 30 32 34 30 30 36 00 00 00
character starts	02 1000	00 03 44
94. Hiding the middle of the 7th	024007	02 02 07 82 30 32 34 30 30 37 00 00 00
character starts	024007	00 03 43
95. Hiding the middle of the8th	024008	02 02 07 82 30 32 34 30 30 38 00 00 00
character starts	024006	00 03 42
96. Hide the middle 1 character	023901	02 02 07 82 30 32 33 39 30 31 00 00 00
96. Filde the middle i character	023901	00 03 41
07 Hide the middle 2 characters	022002	02 02 07 82 30 32 33 39 30 32 00 00 00
97. Hide the middle 2 characters	023902	00 03 40
	023903	02 02 07 82 30 32 33 39 30 33 00 00 00
98. Hide the middle 3 characters		00 03 3F
	023904	02 02 07 82 30 32 33 39 30 34 00 00 00
99. Hide the middle 4 characters		00 03 3E
100. Hide the middle 5	022005	02 02 07 82 30 32 33 39 30 35 00 00 00
characters	023905	00 03 3D
101. Hide the middle 6	022006	02 02 07 82 30 32 33 39 30 36 00 00 00
characters	023906	00 03 3C
102. Hide the middle 7	022007	02 02 07 82 30 32 33 39 30 37 00 00 00
characters	023907	00 03 3B
103. Hide the middle 8	022000	02 02 07 82 30 32 33 39 30 38 00 00 00
characters	023908	00 03 3A

ID Daire			71.10
104.	Unhide the middle	023300	02 02 07 82 30 32 33 39 30 30 00 00 00
cha	aracter	023300	00 03 42
105	Add Enter	0212@ «CD»	02 02 07 82 30 32 31 32 40 0D 00 00
105.	Add Enter	0212@«CR»	00 00 03 5E
100	Add LF	0212@ d Fv	02 02 07 82 30 32 31 32 40 0A 00 00 00
106.	Add LF	0212@«LF»	00 03 61
107	Add CR+LF	0213@«CR»«	02 02 08 82 30 32 31 33 40 0D 0A 00
107.	Add CR+LF	LF»	00 00 03 52
400		0122@ LIT	02 02 07 82 30 32 31 32 40 09 00 00 00
108.	Add Tab	0122@«HT»	00 03 62
100	109. None	0210@	02 02 06 82 30 32 31 30 40 00 00 00 00
109.			00 03 6E
110.	Character conversion -	02510	02 02 06 82 30 32 35 31 30 00 00 00 00
No	ormal	02510	00 03 79
111.	Character conversion -	02511	02 02 06 82 30 32 35 31 31 00 00 00 00
Up	per	02511	00 03 78
112.	Character conversion -	02512	02 02 06 82 30 32 35 31 32 00 00 00 00
Lov	wer	02512	00 03 77
113.	Character conversion-	02512	02 02 06 82 30 32 35 31 33 00 00 00 00
lnv	rerse	02513	00 03 76
444		000241	02 02 07 82 30 30 30 33 34 31 00 00 00
114.	Enable UPC-A	000341	00 03 48

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115. Disable UPC-A	000340	02 02 07 82 30 30 30 33 34 30 00 00 00
		00 03 49
116. UPC-A Transmit Check	00421	02 02 06 82 30 30 34 32 31 00 00 00 00
Digit	00421	00 03 7A
117. UPC-A Do not Transmit	00420	02 02 06 82 30 30 34 32 30 00 00 00 00
Check Digit	00420	00 03 7B
118. UPC-A Transfer system	00400	02 02 06 82 30 30 34 30 30 00 00 00 00
character	00400	00 03 7D
119. UPC-A Do not send	00401	02 02 06 82 30 30 34 30 31 00 00 00 00
system character	00401	00 03 7C
120. UPC-A Barcode	00391	02 02 06 82 30 30 33 39 31 00 00 00 00
information extension	00391	00 03 74
121. UPC-A Barcode	00390	02 02 06 82 30 30 33 39 30 00 00 00 00
information does not expand	00330	00 03 75
122. Enable UPC-E 00351	00351	02 02 06 82 30 30 33 35 31 00 00 00 00
122. Enable UPC-E	00331	00 03 78
123. Disable UPC-E	00350	02 02 06 82 30 30 33 35 30 00 00 00 00
123. Disable OFC-L	00330	00 03 79
124. UPC-E Transmit Check	00441	02 02 06 82 30 30 34 34 31 00 00 00 00
Digit	00441	00 03 78
125. UPC-E Do not Transmit	00440	02 02 06 82 30 30 34 34 30 00 00 00 00
Check Digit	00770	00 03 79

126. UPC-E Transfer system	00430	02 02 06 82 30 30 34 33 30 00 00 00 00
character		00 03 7A
127. UPC-E Do not send system	00431	02 02 06 82 30 30 34 33 31 00 00 00 00
characters		00 03 79
128. UPC-E Bar code	00381	02 02 06 82 30 30 33 38 31 00 00 00 00
information extension		00 03 75
129. UPC-E Barcode	00380	02 02 06 82 30 30 33 38 30 00 00 00 00
information does not expand	00300	00 03 76
130. Enable EAN-8	00371	02 02 06 82 30 30 33 37 31 00 00 00 00
130. Eliable EAIV 0	00371	00 03 76
131. Disable EAN-8	00370	02 02 06 82 30 30 33 37 30 00 00 00 00
131. DISADIE EAIN-8	00370	00 03 77
132. EAN-8 Transmit Check	00571	02 02 06 82 30 30 35 37 31 00 00 00 00
Digit	00371	00 03 74
133. EAN-8 Do not Transmit	00570	02 02 06 82 30 30 35 37 30 00 00 00 00
Check Digit	00370	00 03 75
134. EAN-8 Transmit System	00560	02 02 06 82 30 30 35 36 30 00 00 00 00
character	00300	00 03 76
135. EAN-8 Do not Transmit	00561	02 02 06 82 30 30 35 36 31 00 00 00 00
System character		00 03 75
136. Enable EAN-13	00361	02 02 06 82 30 30 33 36 31 00 00 00 00
136. Enable EAN-13	00301	00 03 77

137.	137. Disable EAN-13 00360	00360	02 02 06 82 30 30 33 36 30 00 00 00 00
157.	Disable LAIN-13	00300	00 03 78
138.	EAN-13 Transmit Check	00461	02 02 06 82 30 30 34 36 31 00 00 00 00
Dig	git	00401	00 03 76
139.	EAN-13 Do not transmit	00460	02 02 06 82 30 30 34 36 30 00 00 00 00
Ch	eck Digit	00400	00 03 77
140	EAN-13 Extended to ISBN	00481	02 02 06 82 30 30 34 38 31 00 00 00 00
140.	EAIN-13 Exterided to ISBN	00461	00 03 74
141.	EAN-13 Do not Extended	00490	02 02 06 82 30 30 34 38 30 00 00 00 00
to	ISBN	00480	00 03 75
4.42		01501	02 02 06 82 30 31 35 30 31 00 00 00 00
142.	EAN-13 Extended to ISSN		00 03 7A
143.	EAN-13 Do not Extended	01500	02 02 06 82 30 31 35 30 30 00 00 00 00
to	ISSN	01500	00 03 7B
4.44	Frankla Cada 130	00001	02 02 06 82 30 30 36 39 31 00 00 00 00
144.	Enable Code 128	00691	00 03 71
4.45	Disable Code 120	00600	02 02 06 82 30 30 36 39 30 00 00 00 00
145.	Disable Code 128	00690	00 03 72
1.45	Frable Code 20	00221	02 02 06 82 30 30 32 32 31 00 00 00 00
146.	Enable Code 39	00221	00 03 7C
	147. Disable Code 39 00220	00000	02 02 06 82 30 30 32 32 30 00 00 00 00
147.		00220	00 03 7D
		1	

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148. Code 39 Transmit	00281	02 02 06 82 30 30 32 38 31 00 00 00 00
Start/Stop Character	00201	00 03 76
149. Code 39 Do not Transmit	00280	02 02 06 82 30 30 32 38 30 00 00 00 00
Start/Stop Character	00280	00 03 77
C 20 T C	00251	02 02 06 82 30 30 32 35 31 00 00 00 00
150. Code 39 Transfer check		00 03 79
151. Code 39 No transmission	00250	02 02 06 82 30 30 32 35 30 00 00 00 00
check	00230	00 03 7A
152. Code 39 Open MOD43	00241	02 02 06 82 30 30 32 34 31 00 00 00 00
Check	00241	00 03 7A
153. Code 39 Close MOD43	00040	02 02 06 82 30 30 32 34 30 00 00 00 00
Check	00240	00 03 7B
154. Code 39 Enable Code 39	00231	02 02 06 82 30 30 32 33 31 00 00 00 00
Full ASCII	00231	00 03 7B
155. Code 39 Disable Code 39	00230	02 02 06 82 30 30 32 33 30 00 00 00 00
Full ASCII	00230	00 03 7C
156. Code 39 The minimum	003201	02 02 07 82 30 30 33 32 30 31 00 00 00
reading length is 1	003201	00 03 4A
157. Code 39 The minimum	003202	02 02 07 82 30 30 33 32 30 32 00 00 00
reading length is 2	003202	00 03 49
158. Code 39 The minimum	002202	02 02 07 82 30 30 33 32 30 33 00 00 00
reading length is 3	003203	00 03 48

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159. Enable Code 32	01951	02 02 06 82 30 31 39 35 31 00 00 00 00	
		00 03 71	
160. Disable Code 32	01950	02 02 06 82 30 31 39 35 30 00 00 00 00	
		00 03 72	
161.		00621	02 02 06 82 30 30 36 32 31 00 00 00 00
101.	Enable Code 93		00 03 78
163		00620	02 02 06 82 30 30 36 32 30 00 00 00 00
162.	Disable Code 93		00 03 79
163.	Code 93 Transmit check	01001	02 02 06 82 30 31 39 30 31 00 00 00 00
Dig	01901 Digit		00 03 76
164.	Code 93 Transmit check	01000	02 02 06 82 30 31 39 30 30 00 00 00 00
Digit		01900	00 03 77
105		01261	02 02 06 82 30 31 32 36 31 00 00 00 00
165.	Enable Code 11		00 03 77
166	166. Disable Code 11 01260	01260	02 02 06 82 30 31 32 36 30 00 00 00 00
100.		01200	00 03 78
167	Code 11 C Check	01272	02 02 06 82 30 31 32 37 32 00 00 00 00
167.	Code 11 C Check		00 03 75
	Code 11 CV Charle	01273	02 02 06 82 30 31 32 37 33 00 00 00 00
168.	Code 11 CK Check		00 03 74
169.	Code 11 automatic CK	01271	02 02 06 82 30 31 32 37 31 00 00 00 00
Ch	eck	01271	00 03 76

15 Barcode Scarnier Setting Mariadi		
170. Code 11 The minimum	012801	02 02 07 82 30 31 32 38 30 31 00 00 00
reading length is 1		00 03 44
171. Code 11 The minimum	012804	02 02 07 82 30 31 32 38 30 34 00 00 00
reading length is 4		00 03 41
	00961	02 02 06 82 30 30 39 36 31 00 00 00 00
172. Enable Interleaved 2 of 5		00 03 71
173. Disable Interleaved 2 of 5	00960	02 02 06 82 30 30 39 36 30 00 00 00 00
		00 03 72
174. Transfer Interleaved 2 of 5	00254	02 02 06 82 30 30 32 35 31 00 00 00 00
Check	00251	00 03 79
175. Do not transmit	2225	02 02 06 82 30 30 32 35 30 00 00 00 00
Interleaved 2 of 5 checks	00250	00 03 7A
176. Open Interleaved 2 of 5	00241	02 02 06 82 30 30 32 34 31 00 00 00 00
Check	00241	00 03 7A
177. Close Interleaved 2 of 5	00240	02 02 06 82 30 30 32 34 30 00 00 00 00
Check	00240	00 03 7B
178. Interleaved 2 of 5		02 02 07 82 30 30 39 37 30 32 00 00 00
Minimum Read Length is 1	009702	00 03 3E
179. Interleaved 2 of 5		02 02 07 82 30 30 39 37 30 34 00 00 00
Minimum Read Length is 4	009704	00 03 3C
180. Enable Matrix 2 of 5	01461	02 02 06 82 30 31 34 36 31 00 00 00 00
		00 03 75
	1	

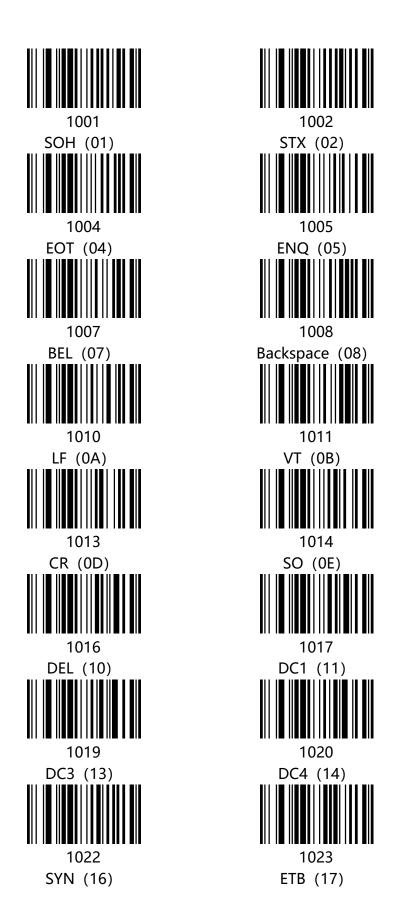
TD Bail	due Scariner Setting Manual		V1.10
181. Disable Matrix 2 of 5	01460	02 02 06 82 30 31 34 36 30 00 00 00 00	
		00 03 76	
182.	Matrix 2 of 5 Minimum	014801	02 02 07 82 30 31 34 38 30 31 00 00 00
Rea	ad Length is 1	014001	00 03 42
183.	Matrix 2 of 5 Minimum	014802	02 02 08 82 30 31 34 38 30 31 33 00 00
Rea	ad Length is 3	014803	00 03 0E
104	184. Enable Industrial 2 of 5	01061	02 02 06 82 30 31 30 36 31 00 00 00 00
104.			00 03 79
	21052	02 02 06 82 30 31 30 36 30 00 00 00 00	
185.	Disable Industrial 2 of 5	01060	00 03 7A
186.	Industrial 2 of 5 Minimum	010701	02 02 07 82 30 31 30 37 30 31 00 00 00
Rea	ad Length is 1		00 03 47
187.	Industrial 2 of 5 Minimum	010703	02 02 07 82 30 31 30 37 30 33 00 00 00
Rea	ad Length is 3		00 03 45
5 11 61 12 65	01871	02 02 06 82 30 31 38 37 31 00 00 00 00	
100.	188. Enable Standard 2 of 5	U10/1	00 03 70
100		01870	02 02 06 82 30 31 38 37 30 00 00 00 00
189.	Disable Standard 2 of 5		00 03 71
190.	Standard 2 of 5 Minimum	018901	02 02 07 82 30 31 38 39 30 31 00 00 00
Rea	ad Length is 1	010901	00 03 3D
191.	Standard 2 of 5 Minimum	010004	02 02 07 82 30 31 38 39 30 34 00 00 00
Rea	ad Length is 3	018904	00 03 3A

192. Enable Codabar (00851	02 02 06 82 30 30 38 35 31 00 00 00 00
		00 03 73
193. Disable Codabar 00	00850	02 02 06 82 30 30 38 35 30 00 00 00 00
193. Disable Codabai	0030	00 03 74
194. Codabar Transmit	0861	02 02 06 82 30 30 38 36 31 00 00 00 00
Start/Stop Character	0001	00 03 72
195. Codabar Do not	0860	02 02 06 82 30 30 38 36 30 00 00 00 00
Transmit Start/Stop Character	0000	00 03 73
196. Codabar The minimum	18701	02 02 07 82 30 31 38 37 30 31 00 00 00
reading length is 1	10701	00 03 3F
197. Codabar The minimum	18704	02 02 07 82 30 31 38 37 30 34 00 00 00
reading length is 4	10704	00 03 3C
198. Enable Plessey 01	01161	02 02 06 82 30 31 31 36 31 00 00 00 00
198. Lilable Flessey		00 03 78
199. Disable Plessey 01	01160	02 02 06 82 30 31 31 36 30 00 00 00 00
199. Disable Flessey	1100	00 03 79
200. Plessey The minimum	11901	02 02 07 82 30 31 31 39 30 31 00 00 00
reading length is 1	11501	00 03 44
201. Plessey The minimum	11904	02 02 07 82 30 31 31 39 30 34 00 00 00
reading length is 4		00 03 41
202 Enable MSI Placeay 01	01151	02 02 06 82 30 31 31 35 31 00 00 00 00
202. Enable MSI Plessey		00 03 79

_	<u> </u>		
203. Disable MSI Plessey	01150	02 02 06 82 30 31 31 35 30 00 00 00 00	
203.	Disable MSI Plessey	01130	00 03 7A
204.	MSI Plessey The minimum	011801	02 02 07 82 30 31 31 38 30 31 00 00 00
reading length is 1		011601	00 03 45
205.	MSI Plessey The minimum	011804	02 02 07 82 30 31 31 38 30 34 00 00 00
rea	iding length is 4	011804	00 03 42
206	Enable PSS Limited	01771	02 02 06 82 30 31 37 37 31 00 00 00 00
200.	206. Enable RSS Limited		00 03 71
207	Disable RSS Limited	01770	02 02 06 82 30 31 37 37 30 00 00 00 00
207.	Disable KSS Lifflited		00 03 72
200	Enabla DCC Omni	01671	02 02 06 82 30 31 36 37 31 00 00 00 00
208.	208. Enable RSS Omni		00 03 72
accompilation per construction of the construc	01670	02 02 06 82 30 31 36 37 30 00 00 00 00	
209.	Disable RSS Omni 01670	01670	00 03 73
	01571	02 02 06 82 30 31 35 37 31 00 00 00 00	
210.	Enable China Post	01371	00 03 73
	01570	02 02 06 82 30 31 35 37 30 00 00 00 00	
211.	211. Disable China Post 01	01570	00 03 74
212.	Enable 2-Digit add-on	00551	02 02 06 82 30 30 35 35 31 00 00 00 00
Со	de	00331	00 03 76
213.	Enable5-Digit add-on	00552	02 02 06 82 30 30 35 35 32 00 00 00 00
Со	de	00552	00 03 75

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214.	Enable 2-Digit or 5-Digit	00553	02 02 06 82 30 30 35 35 33 00 00 00 00
ad	d-on Code		00 03 74
	00550	02 02 06 82 30 30 35 35 30 00 00 00 00	
215.	215. Disable Add-on Code	00550	00 03 77
		02 02 06 82 30 32 36 31 31 00 00 00 00	
216.	216. Add-on Code Required	02611	00 03 77
217.	Add-on Code Not		02 02 06 82 30 32 36 31 30 00 00 00 00
Re	quired	02610	00 03 78
	02.424	02 02 06 82 30 32 34 32 31 00 00 00 00	
218.	218. Enable response	02421	00 03 78
	02420	02 02 06 82 30 32 34 32 30 00 00 00 00	
219.	219. Disable response	02420	00 03 79
	220. Turn on feedback sound 01411	04444	02 02 06 82 30 31 34 31 31 00 00 00 00
220.		01411	00 03 7A
221. Turn off feedback sound	01410	02 02 06 82 30 31 34 31 30 00 00 00 00	
		00 03 7B	

Appendix - Character Table (for adding suffixes)















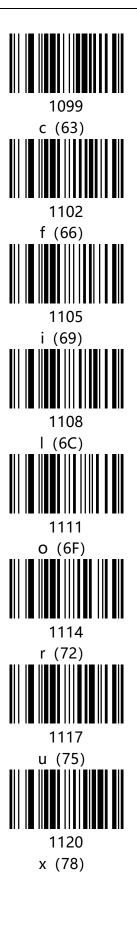




















1145

Page arrow

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Down arrow



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1149

Up arrow



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Appendix - ASCII code table

Hexadecimal	ASCII value	character
00	00	NUL (Null char.)
01	01	SOH (Start of Header)
02	02	STX (Start of Text)
03	03	ETX (End of Text)
04	04	EOT (End of Transmission)
05	05	ENQ (Enquiry)
06	06	ACK (Acknowledgment)
07	07	BEL (Bell)
08	08	BS (Backspace)
09	09	HT (Horizontal Tab)
0A	10	LF (Line Feed)
ОВ	11	VT (Vertical Tab)
ОС	12	FF (Form Feed)
0D	13	CR (Carriage Return)
0E	14	SO (Shift Out)
OF	15	SI (Shift In)
10	16	DLE (Data Link Escape)
11	17	DC1 (XON) (Device Control 1) XON)
12	18	DC2 (Device Control 2)

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13	19	DC3 (XOFF) (Device Control 3) (XOFF)
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)
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)

		1
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	В
43	67	С
44	68	D
45	69	E
46	70	F
47	71	G
48	72	Н
49	73	I
4A	74	J
4B	75	K
4C	76	L
4D	77	M
4E	78	N
4F	79	0
50	80	Р
51	81	Q
52	82	R
53	83	S
54	84	Т

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55	85	U
56	86	V
57	87	W
58	88	Х
59	89	Υ
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	Α
62	98	В
63	99	С
64	100	d
65	101	е
66	102	f
67	103	g
68	104	h
69	105	i
6A	106	j

	<u> </u>	
6B	107	k
6C	108	I
6D	109	m
6E	110	n
6F	111	0
70	112	р
71	113	q
72	114	r
73	115	S
74	116	t
75	117	u
76	118	V
77	119	W
78	120	Х
79	121	у
7A	122	Z
7B	123	{ (Left/ Opening Brace)
7C	124	(Vertical Bar)
7D	125	} (Right/Closing Brace)
7E	126	~ (Tilde)
7F	127	DEL (Delete)