

# User Manual

## DT3042



### Barcodescanner – DT3042



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## Introduction

Thank you for trusting a product from DTRONIC. Please read the contents of the user manual carefully in order to use the products safely and effectively.

You are advised to keep this manual correctly for your installation and as a reference. Please do not disassemble the product or tear off the seal, otherwise we will not provide warranty or replacement service.

The illustrations in this user manual are for reference only. If there are images that do not match the actual product, please take the actual product as standard.

Updated information is subject to change without notice. All information in this manual is copyrighted and our company reserves all rights. It is prohibited to distribute, copy, compile or sell all or part of this manual without our written permission.

DTRONIC is a BOIP registered trademark and legally protected in cooperation with GS1. Diwolar is the only company with the rights to market this trademark. If you have purchased a product that was not purchased through Diwolar, the warranty is void. When contacting customer service always ask for the order number. This user manual applies to DTRONIC barcode scanners that identify barcodes using a laser scan pattern.

DTRONIC is not liable for damages and defects suffered when the barcode scanner fails, does not work properly or is misused.

Do you have any questions about your product? We will be happy to assist you.

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### Kind regards, team Dtronic

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## Inhoud

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# 1. Product

## 1.1 Function

- Works with Plug&Play and without installation software.
- Works with most WMS systems.
- Some WMS or POS systems must be set up to use a scanner.
- Device the scanner is connected to will see it as keyboard.
- Basically the scanner scans the 95% of bar codes, remaining 5% can be set as desired with this manual.
- There are patented parts in the scanner, DTRONIC has the rights to sell these items on the Dutch, Belgian and German market

## 1.2 Unbox

After opening the box containing the product, perform the following steps:

- Remove the scanner accessories from the packaging.
- Remove the scanner from the packaging.
- At the packing list, check that everything is complete and in good condition. If there are damaged or missing parts, save the original packaging and contact DTRONIC for customer service.

Packing list:

1. Handheld scanner
2. USB Connection Cable (for wireless scanners, this is the charging cable).
3. Paperclip
4. Abridged user manual

## 1.3 Start

Startup: connect the computer to the scanner. The computer will recognize it as a keyboard and the scanner can be used.

Power off: remove the cable connected to the scanner; remove the USB connected to the computer.

Restart: if the scanner crashes or is unresponsive, turn it off and restart it. Optionally, use the factory setting from this manual

## 1.4 Window

The scanning window must be kept clean, the supplier does not bear the warranty responsibility due to improper maintenance. Prevent the window from wearing out or being scratched by a hard object. Use a soft cloth to remove stain on the scanning window. Clean the scan window with a soft cloth, such as a lens cleaning cloth

Spraying liquid on the scan window is prohibited. Prohibit all cleaning solvents except cleaning water.






## 1.5 Reading

If the bar code is small, it should be closer to the scan window; if the bar code is large, it should be further away from the scan window for easier reading.

If the bar code is highly reflective (for example, the coated surface), you may need to tilt the bar code at an angle to scan the bar code. The best distance to read a bar code is 10-15 cm

## 1.6 Picture

## 1.7 Led indicator

	INDICATOR STATUS	EXPLAIN
	Red light on	Charging
	Red light off	No charging
	Green light on	No decoding
	Green light off	Decode succesfully
	One blue light on	Pairing successful or connect to USB

## 2. System Setup

### 2.1 System Setup

Option and function setting mainly by reading a series of special bar codes. In this chapter, we give you a detailed introduction to the options and functions available for user setup and the corresponding setup code.

This method of setting up the scan is direct, easy to understand and user-friendly.

#### 2.1.1 Setup code

 CONFIG1	 CONFIG0
Startup settings (default)	Exit Settings







#### 2.1.2 Restore factory default settings

 DEFAULT
Restore factory settings

#### 2.1.3 Product User Settings

 MNUCDS	 DEFOVR
Save user default settings	Restore user default settings

## 2.1.4 Led

 ILLCTL2 Enable Aimer	 ILLCTL1 Disable Aimer
 ILLMOT1 Enable Illumination	 ILLMOTO Disable Illumination
 ILLCTL1 Always off	 ILLCTL2 Always on

## 2.1.5 Beeper Duration

 BEPFQE0 Short	 BEPFQE1 Normal
 BEPFQE2 2.7Khz	  Mute

## 2.1.6 Beeper settings

 BEPLVL3 Volume set to High (50%) (default)	 BEPLVL1 Volume set to midrange (25%)
--	---



### 2.1.7 Set the beep switch

 BEPPWR1	 BEPPWRO
Open (default)	Close

### 2.1.8 Power on beep switch

 BEPPWR1	 BEPPWRO
Open (default)	Close


### 2.1.9 Read success beep switch

 BEPBEP1	 BEPBEPO
Open (default)	Close

## 2.2 Reading mode settings

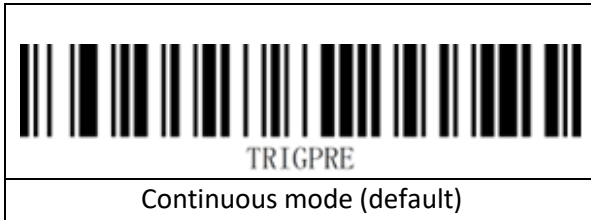
### 2.2.1 Level trigger mode

Enter the reading state when the trigger key pin is at low level. Press and hold the trigger key to start reading code. After reading the code successfully or releasing the trigger key, the code reading ends and the next decoding needs to re-enter the low level state.

 TRIGMAN
Level trigger mode

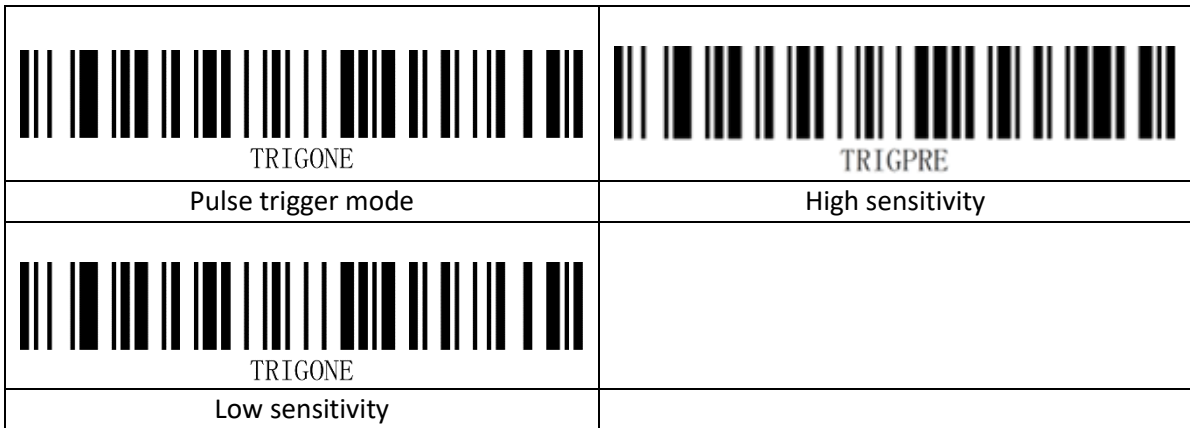
### 2.2.2 Continuous mode (default)

When the reading setting code is switched to this mode, it enters the continuous reading state. In this mode, the "repeat read switch" can be used to prevent the same barcode from being read more than once.

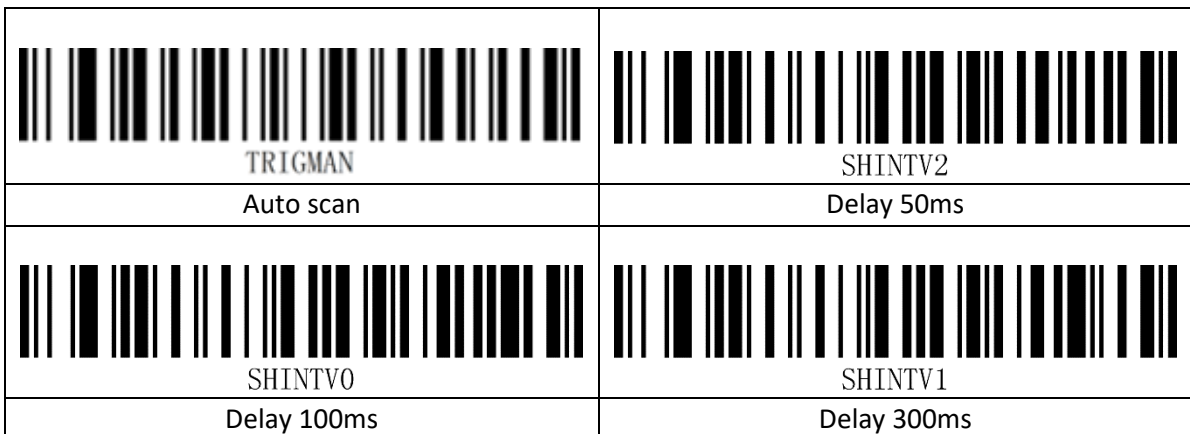


### 2.2.3 Pulse trigger mode

When the reading setting code is switched to this mode, it enters the pulse-triggered reading state.



### 2.2.4 Auto Scan mode



### 2.2.5 Repeat read switch

The repeat read setting is only available in continuous mode.

 <b>REREADO</b>	 <b>REREAD1</b>
Allow repeat readings (default)	Repeat reading is not allowed

### 2.2.6 Code reading timeout

 <b>SHINTV1</b>	 <b>SHINTV2</b>
30sec	300sec
 <b>SHINTV6</b>	
2400sec	

### 2.2.7 One read timeout








One time reading timeout time, the unit is 0.1 seconds. The default value is 30 (3 seconds), when set to 0, it means that the device is always in the reading state, and the time range can be set: 0~999.

 <b>BEPBIP1</b>	 <b>BEPBIP1</b>
Short time (3s)	In time (7s)
 <b>BEPBIP0</b>	
Long time (10s)	

Valid only in "Level Trigger Mode" and "Pulse Trigger Mode".





## 2.3 Communication settings











### 2.3.1 Communication settings

 USBKBD	 SERIAL
USB HID (default)	USB serial port
 SERIAL	 USBMAC
RS-232 serial port	Mac
 USBCDC	 KBDALT1
USB CDC	Enable virtual keyboard
 KBDALTO	
Disable virtual keyboard	

### 2.3.2 USB keyboard

Portuguese (Brazil) cannot output "?" and "/" .

 KBDCTY11	 KBDCTY56
Nederlands	Italian
 KBDCTY10	 KBDCTY13
Spanish (Brazil)	Portuguese

 KBDCTY16	 KBDCTY3
Portuguese (Brazil)	French
 KBDCTY4	 KBDCTY24
German (Austria)	Turkish Q
 KBDCTY27	 KBDCTY0
Turkish F	English (UK)
 KBDCTY28	 KBDCTY4
Japanese	German (Switzerland)
 KBDCTY1	 KBDCTY0
French (Belgium)	America

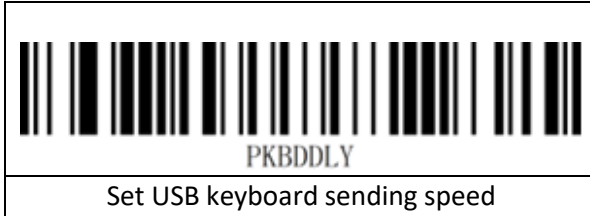
### 2.3.3 USB keyboard sending speed

If there is missed data at the receiver side, the occurrence speed should be turned down, which is easy to occur at the receiver side with poor performance.

 KBDDLY0	 KBDDLY1
5 ms (default)	10 ms
 KBDDLY2	
20 ms	

### 2.3.4 Set USB keyboard sending speed

USB keyboard send speed, unit is milliseconds (ms). The default value is 5ms, the settable time range: 0ms~200ms.



Setting the USB keyboard to send speed of 50ms can be set by reading the following barcodes in order.

1. Read "Startup Settings"
2. Read the "Set USB keyboard send speed" setting code
3. Read data code: "5" "0" (see data code table)
4. Read "Save" (see data code table)
5. Read "Exit Settings"


### 2.3.5 Control Characters

Specific reference to the control character table, only the data content of the barcode is converted.

	
KBDCAS0	C39ACS1
Off (default)	Control + ASCII mode
	
KBDCAS1	
Alt + Keypad mode	

### 2.3.6 Serial communication settings

	
SERWRD0	SERWRD6
Data bit 7	Data bit 8

 SERWRD1	 SERWRD9
Stop bit 1	Stop bit 2
 SERWRD2	 SERWRD3
Check bit O	Check bit N
 SERWRD4	
Check bit E	

### 2.3.7 Serial port baud rate setting

 SERBAUD0	 SERBAUD1
Baud rate 4800	Baud rate 9600 (default)
 SERBAUD2	 SERBAUD3
Baud rate 19200	Baud rate 38400
 SERBAUD4	 SERBAUD5
Baud rate 57600	Baud rate 115200

### 2.3.8 Serial port output

 KBDENCO	 KBDENC1
UTF-8	GBK

 KBDENC2	
Serial output according to barcode content	

### 2.3.9 Serial port parity bit setting

 SERWRD0	 SERWRD2
No checksum (default)	Odd calibration
 SERWRD1	
Even Check	

## 2.4 Data format setting

Length of custom prefix and suffix: (0~10) characters, if set to "on", "Code ID prefix", "custom prefix", "end suffix", etc. will be added before and after the decoding information. "Custom suffix", "End suffix", etc.

The maximum number of data cache is 5, and the maximum length of individual data is 7900 characters; the data output is sequential output, and you need to wait for the first barcode output to finish before the second barcode output, and so on.

### 2.4.1 Hide 1 character

 DATLENO	 DATLENI
Hide 1 from start	Hide 1 from the end

### 2.4.2 Custom prefix on/off settings

Custom prefixes add a user-defined string before the decoded information. For example, if you allow to add a custom prefix and set the prefix to the string "AB", after reading the barcode with



the data "123", the scanner adds the string "AB" before the string "123", and the host side receives "AB123". After the barcode reading data is "123", the scanner will add the string "AB" before the string "123", and the host side will receive "AB123".

If set to "Off", the decoded information will only have the barcode data information, no prefix, and the default value is to turn off the custom prefix output.

 PREENA1	 PREENAO
Enable	Disable (default)
 CLRAPRE	
Clear all custom prefixes	

### 2.4.3 Customized prefixes

The custom prefix adds a user-defined string before the decoded information, and the output format after customization is "Custom Content + Barcode Content".

Set the custom prefix to 'a' (the hex value of a is 0x61)

1. Read "Startup Settings"
2. Read the "Custom Prefix" setting code
3. Check the ASCII code of the character "a": the ASCII code of "a" is "0x61" (see ASCII code table)
4. Read data code: "6" "1" (see data code table)
5. Read "Save" (see data code table)
6. Read "Exit Settings"

 PRGPRE
Customized prefixes

### 2.4.4 Custom suffix on/off settings

The custom suffix adds a user-defined string after the decoded information. For example, it is allowed to add a custom suffix and set the suffix to the string "AB", after reading the barcode with the data of "123", the scanner adds the string "AB" after the string "123", and the host side receives "123AB". After the barcode reading data is "123", the scanner will add the string "AB" after the string "123", and the host side will receive "123AB".

If set to "Off", only the barcode data information will be in the decoded information, no suffix, and the default value is to turn off the custom suffix output.

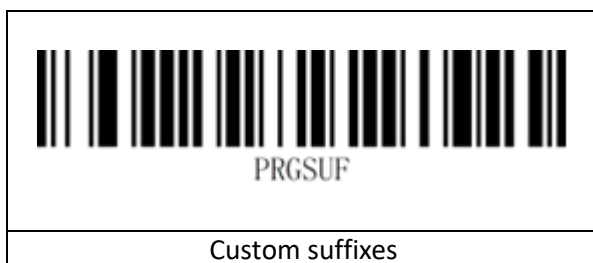
 SUFENA1	 SUFENAO
Enable	Disable (default)
 CLRASUF	
Clear all custom suffixes	Output all

### 2.4.5 Custom suffixes

Custom suffix adds a user-defined string after the decoded information, and the output format after customization is "barcode content + custom content".

Set the custom suffix to 'a' (the hex value of a is 0x61)

1. Read "Startup Settings"
2. Read the "Custom Suffix" setting code
3. Check the ASCII code of the character "a": the ASCII code of "a" is "0x61" (see ASCII code table)
4. Read data code: "6" "1" (see data code table)
5. Read "Save" (see data code table)
6. Read "Exit Settings"



### 2.4.6 Custom ID output method

The user can use Code ID to identify the barcode type and the Code ID corresponding to each barcode type is customizable. The Code ID for all barcodes is 1 character.



Close Code ID (default): Code ID is not spliced to the read string.

Code ID prefix: The Code ID is spliced before the recognition string.

Code ID suffix: The Code ID is spliced after the recognition string.

Restore the Code ID of all barcodes, including Codabar, to the default value of.

1. Read "Startup Settings"
2. Read "Clear all custom Code IDs".
3. Read "Exit Settings"

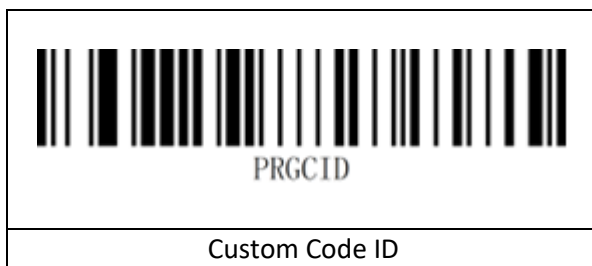
 IDENAO	 IDENA1
Disable CODE ID (default)	Code ID prefix
 IDENA2	 CLRAID
Code ID suffix	Clear all custom Code IDs

### 2.4.7 Customize Code ID

Please refer to the following example for how to modify the Code ID.

Modify the Code ID of Codabar (Code ID:0x61) to "Y" (hexadecimal value 0x59).







1. Read "Startup Settings"
2. Read "Custom Code ID"
3. Check the Code ID of the barcode: the Code ID of "Codabar" is "0x61" (see the list of code system support)
4. Check the ASCII code of the character "Y": the ASCII code of "Y" is "0x59" (see ASCII code table)
5. Read data code: "6" "1" "5" "9" (see data table)
6. Read "Save" (see data code table)
7. Read "Exit Settings"



### 2.4.8 Terminator settings





The terminator suffix is used to mark the end of a complete piece of data information. The terminator suffix stands alone and does not participate in any other form of data formatting. The terminator suffix must be the last piece of data sent, and no additional data will be added thereafter.

The ending character can be set to carriage return, line feed, carriage return line feed, tab or ETX, and the default ending character is set to carriage return.

 RETURN0 No terminator	 RETURN1 Enter (default)
 RETURN2 Line Feed (Down)	 RETURN3 Carriage return + Line feed (Enter+Down)
 RETURN4 Tab	 RETURN5 ETX

### 2.4.9 Case output settings

Case conversion for characters in a string, prefix and suffix have no effect.

 KBDCNV0	 KBDCNV1
Normal output (default)	Convert Case
 KBDCNV2	 KBDCNV3
Convert all to Uppercase	Convert All to lowercase

### 2.4.10 Pre/Post data length setting

 DATLENO	 DATLENI
Pre-segment data length setting	Back-end data length setting

## 2.5 Symbologies

Each type of barcode has its own unique properties, and the setup codes in this chapter allow you to adjust the scanner to accommodate these property changes.

The fewer barcode types that are turned on, the faster the scanner will Scan. You can turn off the barcode types that will not be used to improve the performance of the scanner.

### 2.5.1 1D all symbologies

 CODONE1	 CODONE0
Enable	Disable



### 2.5.2 2D all symbologies

 CODTWO1	 CODTWO0
Enable	Disable

### 2.5.3 All barcodes

 CODALLO	 CODALL1
Close all barcodes	Turn on all barcodes

### 2.5.4 EAN8 Settings



 EAN81	 EAN80
EAN8 on (default)	EAN8 off
 EAN131	 EAN130
Convert EAN8 to EAN13	Do not Convert EAN8 to EAN13 (default)

### 2.5.5 Code 11 Settings

 C11ENA1	 C11ENA0
Enable	Disable

 <b>C11CKE1</b>	 <b>C11CKE2</b>
1 check bit	2 check bits
 <b>C11CKT1</b>	 <b>C11CKT0</b>
Transmit check bit	Not transmit check bit



### 2.5.6 Add-on code setting

 <b>UESUPP2</b>	 1 2 3 4 5 6 7 8 9 0 1 2 8   3 4 5 6 7
Adaptive UPC/EAN add-on codes	Only Decode UPC/EAN Add-on codes
 1 2 3 4 5 6 7 8 9 0 1 2 8   3 4 5 6 7	
Ignore UPC/EAN add-on codes (default)	

### 2.5.7 EAN 13 settings

 <b>EAN131</b>	 <b>EAN130</b>
EAN13 on (default)	EAN13 off







**2.5.8 ISSN Settings**

 ISSN1	 ISSN0
Convert EAN-13 to ISSN	Do not Convert EAN-13 to ISSN (default)

**2.5.9 ISBN setting**







 ISBN1	 ISBN0
Convert EAN13 to ISBN	Do not Convert EAN13 to ISBN (default)

**2.5.10 UPC-A settings**


 UPCAS1	 UPCAS0
Transmit UPC-A check character (default)	Do not Transmit UPC-A check character
 UPAENA1	 UPAENA0
Convert UPC-A to EAN13 (default)	Do not Convert UPC-A to EAN13
 UPCA1	 UPCA0
Enable	Disable



### 2.5.11 UPC-E settings

 UPCE1	 UPCE0
UPC-E on (default)	UPC-E Off
 UPCES1	 UPCES0
Transmit UPC-E Check Character (default)	Do no Transmit UPC-E transmission Check Character
 UPENSX1	 UPENSX0
Convert UPC-E to UPC-A	Do not Convert UPC-E to UPC-A (default)



### 2.5.12 UPCE

 UPCE1	 UPCE0
Enable	Disable

### 2.5.13 EAN/UPC


 UPCA1	 UPCA0
Enable	Disable

### 2.5.14 Code 39 Settings

 CODE391	 CODE390
Code 39 on (default)	Code 39 Off
 C39CK2	 C39CK0
Enable Code 39 Check Character	Disable Code 39 Check Character (default)
 C39CK2	 C39CK1
Transmit Code 39 Check Character	Do not Transmit Code 39 Check Character (default)
 C39ACS1	 C39ACS0
Full ASCII On	Full ASCII Off (default)

### 2.5.15 Code 39 Length Setting

**OPMERKING:**

 If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.

 C39MIN	 C39MAX
Minimum length setting	Maximum length setting

**Example**

Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.



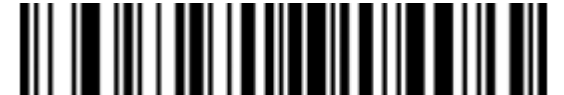

1. Scan "Startup Settings"
2. Scan "Minimum length setting"

3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings"


## 2.5.16 Code 32 settings

 CODE321	 CODE320
Convert Code39 to Code32	Do not Convert Code39 to Code32 (default)

## 2.5.17 Code 128 settings

 COD1281	 COD1280
Code 128 on (default)	Code 128 Off
 GS11281	 GS11280
Transmit Code 128 Check Character	Do not Transmit Code 128 Check Character (default)

## 2.5.18 Code 128 length setting

 <p><b>OPMERKING:</b> If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.</p>
--

 128MIN	 128MAX
Minimum length setting	Maximum length setting

### Example


Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.

1. Scan "Startup Settings"
2. Scan "Minimum length setting"
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings"

### 2.5.19 Code 93 settings

 CODE931	 CODE930
Code 93 On (default)	Code 93 Off

### 2.5.20 Code 93 Length Setting

	<p><b>OPMERKING:</b>          If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.</p>
---	---

 C93MIN	 C93MAX
Minimum length setting	Maximum length setting

### Example

Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.


1. Scan "Startup Settings"
2. Scan "Minimum length setting"
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings"

### 2.5.21 Codabar Settings

 CODBAR1	 CODBAR0
Codabar on (default)	Codabar Off
 CBRENA1	 CBRENA0
Transmit Codabar start and stop characters	Do not Transmit Codabar start and stop characters (default)

### 2.5.22 Codabar Length Setting

**OPMERKING:**

 If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.

 CBRMIN	 CBRMAX
Minimum length setting	Maximum length setting

**Example**

Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.

1. Scan "Startup Settings" barcode
2. Scan "Minimum length setting" barcode
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings".

**2.5.23 GS1 Databar Limited**

 GS1LMT1	 GS1LMT0
Enable	Disable

**2.5.24 GS1 Databar omnidirectional**

 RSS141	 RSS140
Enable	Disable

**2.5.25 GS1 Databar Expanded**

 GS1EPD1	 GS1EPD0
Enable	Disable

**2.5.26 Data matrix Code**





 DATAM1	 DATAM1
Enable	Disable
 MAT251	 MAT250
2 of 5 enable	2 of 5 disable

 MAT251	 MAT250
Matrix 2 of 5 check bit enable	Matrix 2 of 5 check bit disable

### 2.5.27 MSI

 MSIENA1	 MSIENAO
Enable	Disable

### 2.5.28 QR

 QRCODE1	 QRCODE0
Enable	Disable
 QRURL1	 QRURLO
Enable QR code URL link	Disable QR code URL link

### 2.5.29 Micro QR code

 MQRCD1	 MQRCD0
Enable	Disable

**2.5.30 PDF417**

 PDF4171	 PDF4170
Enable	Disable



**2.5.31 Micro PDF417**

 MPDF1	 MPDF0
Enable	Disable

**2.5.32 RSS-Expanded**

 GS1EPD1	 GS1EPD0
Enable	Disable

**2.5.33 RSS-Limited**

 GS1LMT1	 GS1LMT0
Enable	Disable

**2.5.34 RSS-14**

 RSS141	 RSS140
Enable	Disable



**2.5.35 Straight 2 of 5 Industrial**

 IDS251	 IDS250
Enable	Disable

**2.5.36 Interleave 2 of 5 (ITF5) setting**

 ITF251	 ITF250
ITF5 on (default)	ITF5 off
 I25CK2	 I25CK0
Enable ITF25 check character (default)	Disable ITF25 Check Character
 I25CK2	 I25CK1
Transmit ITF25 Check Character	Do not Transmit ITF25 Check Charcter (default)

**2.5.37 Aztec code**

 AZTEC1	 AZTECO
Enable	Disable

### 2.5.38 ITF25 length setting

**OPMERKING:**

If the maximum length is less than the minimum length, only the barcode of these two lengths will be Scan. If the maximum length is equal to the minimum length, only this length is supported.



I25MIN



I25MAX

Minimum length setting

Maximum length setting

**Example**

Set the scanner to Scan only barcodes with a minimum of 8 bytes and a maximum of 12 bytes.

1. Scan "Startup Settings" barcode
2. Scan "Minimum length setting" barcode
3. Scan Digital Code "8" (see Appendix 1 for data and edit barcode)
4. Scan "Save" (see Appendix 1 to save or cancel)
5. Scan "Maximum length setting"
6. Scan Digital Code "1" "2" (see Appendix 1)
7. Scan "Save" (see Appendix 1 to save or cancel)
8. Scan "Exit Settings".

## 3. Appendix

### 3.1.1 Data Code



K0K

0



K2K

2



K4K

4



K6K

6



K8K

8



KAK

A



KCK

C



KEK

E



K1K

1



K3K

3



K5K

5



K7K

7



K9K

9



KBK

B



KDK

D



KFK

F

### 3.1.2 Preview

After reading the data code, you must read the save code to save the data.

If there is an error when reading the data code, in addition to resetting, you can also cancel reading the wrong data.

For example, read a certain setting code, and read the data "1", "2", and "3" in turn. At this time, if you read "Cancel the previous data", the last read number "3" will be cancelled.

If you read "Cancel previous string of data ", the read data "123" will be canceled.

If you read "Cancel current setting", the connection setting code will be cancelled together, but the device is still in the startup setting code status.



KRSTP

Cancel current setting



KBACK

Cancel the previous data



KSAVE

Save setting



KRSTN

Cancel previous string of data

### 3.1.3 ASCII Code table

Hex	ASCII value(Decimal)	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) confirmation
07	07	BEL (Bell)
08	08	BS (Backspace)
09	09	HT (Horizontal Tab)
0A	10	LF (Line Feed)
0B	11	VT (Vertical Tab)
0C	12	FF (Form Feed)
0D	13	CR (Carriage Return)
0E	14	SO (Shift Out)
0F	15	SI (Shift In)
10	16	DLE (Data Link Escape)
11	17	DC1 (XON) (Device Control 1)
12	18	DC2 (Device Control 2)
13	19	DC3 (XOFF) (Device Control 3)
14	20	DC4 (Device Control 4)
15	21	NAK (Negative Acknowledgment)
16	22	SYN (Synchronous Idle)
17	23	ETB (End of Trans. Block)
18	24	CAN (Cancel)
19	25	EM (End of Medium)
1A	26	SUB (Substitute)

1B	27	ESC (Escape)
1C	28	FS (File Separator)
1D	29	GS (Group Separator)
1E	30	RS (Request to Send)
1F	31	US (Unit Separator)
20	32	SP (Space)
21	33	! (Exclamation Mark)
22	34	" (Double Quote)
23	35	# (Number Sign)
24	36	\$ (Dollar Sign)
25	37	% (Percent)
26	38	& (Ampersand)
27	39	` (Single Quote)
28	40	( (Right / Closing Parenthesis)
29	41	) (Right / Closing Parenthesis)
2A	42	* (Asterisk)
2B	43	+ (Plus)
2C	44	, (Comma)
2D	45	- (Minus / Dash)
2E	46	. (Dot)
2F	47	/ (Forward Slash)
30	48	0
31	49	1
32	50	2
33	51	3
34	52	4
35	53	5
36	54	6
37	55	7
38	56	8
39	57	9

3A	58	: (Colon)
3B	59	; (Semi-colon)
3C	60	< (Less Than)
3D	61	= (Equal Sign)
3E	62	> (Greater Than)
3F	63	? (Question Mark)
40	64	@ (AT Symbol)
41	65	A
42	66	B
43	67	C
44	68	D
45	69	E
46	70	F
47	71	G
48	72	H
49	73	I
4A	74	J
4B	75	K
4C	76	L
4D	77	M
4E	78	N
4F	79	O
50	80	P
51	81	Q
52	82	R
53	83	S
54	84	T
55	85	U
56	86	V
57	87	W
58	88	X

59	89	Y
5A	90	Z
5B	91	[ (Left / Opening Bracket)
5C	92	\ (Back Slash)
5D	93	] (Right / Closing Bracket)
5E	94	^ (Caret / Circumflex)
5F	95	_ (Underscore)
60	96	' (Grave Accent)
61	97	a
62	98	b
63	99	c
64	100	d
65	101	e
66	102	f
67	103	g
68	104	h
69	105	i
6A	106	j
6B	107	k
6C	108	l
6D	109	m
6E	110	n
6F	111	o
70	112	p
71	113	q
72	114	r
73	115	s
74	116	t
75	117	u
76	118	v
77	119	w



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78	120	x
79	121	y
7A	122	z
7B	123	{ (Left/ Opening Brace)
7C	124	(Vertical Bar)
7D	125	} (Right/Closing Brace)
7E	126	~ (Tilde)
7F	127	DEL (Delete)