

# Gebruikershandleiding

## DT3451



### Barcodescanner – DT3451



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## Voorwoord

Bedankt voor het vertrouwen in een product van DTRONIC. Lees de inhoud van de gebruikershandleiding zorgvuldig door om de producten veilig en effectief te gebruiken. U wordt geadviseerd om deze handleiding correct te bewaren voor uw installatie en als naslagwerk. Gelieve het product niet te demonteren of het zegel eraf te scheuren, anders bieden we geen garantie of vervangende service.

De afbeeldingen in deze gebruikershandleiding zijn alleen ter referentie. Als er afbeeldingen zijn die niet overeenkomen met het daadwerkelijke product, neem dan het daadwerkelijke product als standaard.

Bijgewerkte informatie kan zonder voorafgaande kennisgeving worden gewijzigd. Alle informatie in deze handleiding is auteursrechtelijk beschermd en ons bedrijf behoudt zich alle rechten voor. Het is verboden om deze handleiding geheel of gedeeltelijk uit te delen, te kopiëren, te bundelen of zonder schriftelijke toestemming van ons te verkopen.

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DTRONIC is niet aansprakelijk voor de geleden schade en defecten wanneer de barcodescanner niet werkt, niet naar behoren werkt of verkeerd gebruikt wordt.

Heeft u vragen over uw product? Wij staan graag voor u klaar.

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# 1. Het product

## 1.1 Hoofdfuncties van deze scanner

- Werkt met Plug&Play en zonder installatiesoftware.
- Werkt met de meeste WMS systemen.
- Sommige WMS of kassasystemen moeten worden ingesteld op het gebruik van een scanner.
- Device waar de scanner op aangesloten is zal deze zien als toetsenbord.
- In de basis scant de scanner de 95% van de barcodes, overige 5% kan naar wens ingesteld worden met deze handleiding.
- Er zitten gepatenteerde onderdelen in de scanner, DTRONIC heeft de rechten om deze artikelen te verkopen op de Nederlandse, Belgische en Duitse markt.

## 1.2 Pak het apparaat uit

Nadat u de doos met het product hebt geopend, voert u de volgende stappen uit:

- Haal de accessoires voor de scanner uit de verpakking.
- Haal de scanner uit de verpakking.
- Controleer bij de paklijst of alles compleet en in goede staat is. Als er beschadigde of ontbrekende onderdelen zijn, bewaar dan de originele verpakking en neem contact op met DTRONIC voor de klantenservice.

Paklijst:

1. Handscanner
2. USB Aansluitkabel (bij draadloze scanners is dit de oplaadkabel)
3. Paperclip
4. Verkorte gebruikershandleiding

## 1.3 Opstarten, afsluiten en opnieuw opstarten

Opstarten: verbind de computer met de scanner. De computer zal hem herkennen als toetsenbord en de scanner kan gebruikt worden.

Uitschakelen: verwijder de kabel die is verbonden met de scanner; verwijder de USB die op de computer is aangesloten.

Opnieuw opstarten: als de scanner crasht of niet reageert, schakel hem dan uit en start hem opnieuw op. Eventueel kan de fabrieksinstelling uit deze handleiding gebruikt worden.

## 1.4 Onderhoud

Het scanvenster moet schoon worden gehouden, de leverancier draagt niet de garantieverantwoordelijkheid als gevolg van onjuist onderhoud. Voorkom dat het raam verslijt of wordt bekrast door een hard voorwerp. Gebruik een zachte doek om de vlek op het scanvenster te verwijderen. Reinig het scanvenster met een zachte doek, zoals een lensreinigingsdoekje

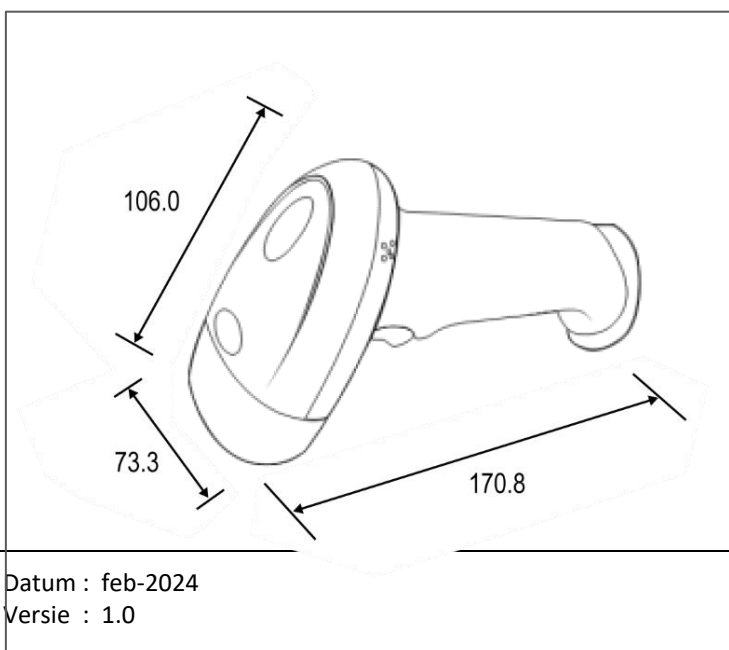
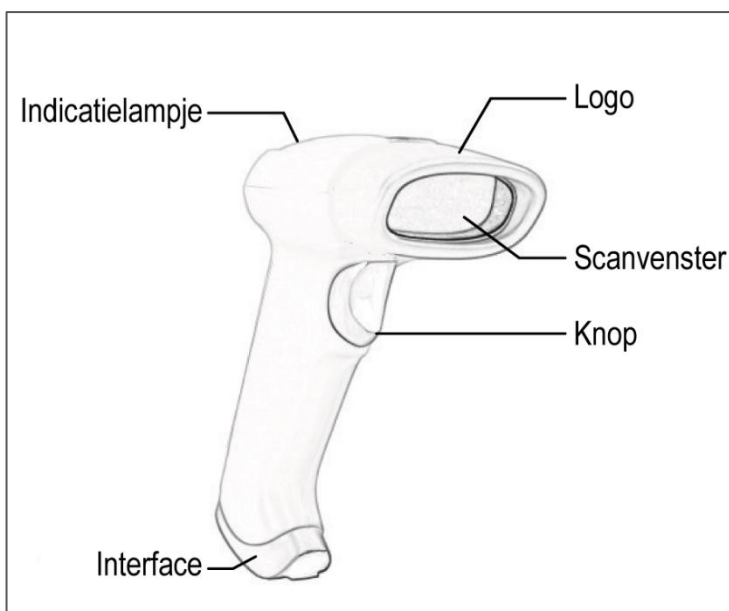
Sproeien van vloeistof op het scanvenster is verboden. Verbied alle reinigingsoplossmiddelen, behalve het reinigingswater.

## 1.5 Leesvaardigheden

Als de streepjescode klein is, moet deze dichterbij het scanscanvenster liggen; als de streepjescode groot is, moet deze verder van het scanscanvenster verwijderd zijn, zodat deze gemakkelijker leesbaar is.

Als de streepjescode sterk reflecteert (bijvoorbeeld het gecoate oppervlak), moet u de streepjescode mogelijk schuin kantelen om de streepjescode te scannen. De beste afstand om een barcode te lezen is 10-15 cm.

## 1.6 Uitstraling van het apparaat



## 2. Systeem-instellingen

Optie- en functie-instelling voornamelijk door het lezen van een reeks speciale barcodes. In dit hoofdstuk geven we u een gedetailleerde introductie van de opties en functies die beschikbaar zijn voor gebruikersinstellingen en de bijbehorende instellingscode.

Deze methode voor het instellen van de scan is direct, gemakkelijk te begrijpen en gebruiksvriendelijk.

### 2.1 Wireless Factory Default

All scanners have a factory default setting. All the scanner's wireless properties will be set to the default state of the software with scanning the "Wireless Factory Default" setup code.

You could use it in the following situations:

1. Scanner settings are wrong, such as barcodes that cannot be recognized.
2. You forgot what settings you made to the scanner and you do not want to use the previous settings.
3. Some infrequent functions were set and do not want to keep using it.

Heeft u iets verkeerd gedaan? Via onderstaande code zet u de scanner terug naar fabrieksinstelling.



### 2.2 Custom Default Setting

You can set the default values of the wireless parameters of the wireless barcode device to the required functions by setting custom default settings. Scan the "Enter Setting Mode" setup code first, then scan the required wireless parameter function, and then scan the "Exit Setting Mode" setup code after the setting is complete. After the setting is completed, the existing functions will replace the original factory default values, and the wireless parameters will not be restored to the original state even if the settings are restored.



### 2.3 Version

Use the scanner to scan the version barcode and you will view the information of current scanner version.

 %%SpecCode39
Version


### 2.4 Sound

 %%SpecCode97	 %%SpecCode96
High	Medium
 %%SpecCode95	 %%SpecCode94
Low	Mute

### 2.5 Frequency

 %%SpecCode7C	 %%SpecCode7D
2048MHz	2730MHz


### 2.6 Vibration (optional)

	<b>OPMERKING:</b> The vibration function is optional for some products.
---	--

 %%SpecCode77	 %%SpecCode76
On	Off



## 2.7 Battery Level

 %%SpecCode15
Battery Level

## 2.8 Sleeping Time

 %%SpecCode30	 %%SpecCode31
#0s	1min
 %%SpecCode32	 %%SpecCode33
2min	5min
 %%SpecCode34	 %%SpecCode35
10min	30min
 %%SpecCode36	 %%SpecCode38
Never	Sleep Immediately

## 2.9 Data Format

Use the scanner wireless 2.4G or wired USB interface to set the data input format, you can directly output Chinese or other format languages.

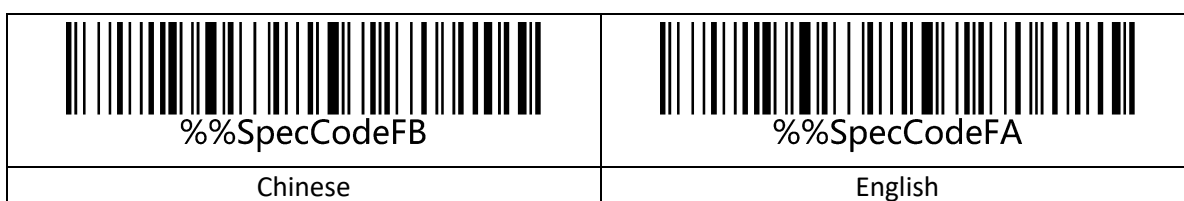
 %%SpecCodeB5	 %%SpecCodeB4
GBK (Notepad, Excel, etc)	Unicode (WORD, QQ, etc)

## 2.10 Screen Function

### 2.10.1 Clear Screen Count



### 2.10.2 Screen Language

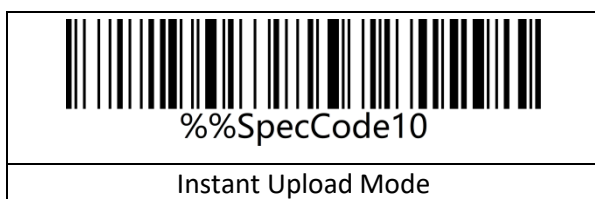


## 2.11 Wireless Working Mode

The wireless scanner has two different working modes: instant upload mode and storage mode. The operation mode is switched by different setup codes.

### 2.11.1 Instant Upload Mode

Instant upload Mode is also called normal mode. In this mode, the barcodes that are scanned will be transmitted to the host device immediately.



### 2.11.2 Storage Mode

Storage Mode is also called inventory mode or warehouse mode. In storage mode, the scanner will not transmit scanned barcodes directly to the host device, but store them in the storage memory. If you need to check or clear the stored barcodes, refer to data control section. When the scanner is powered off, the barcodes stored will not get lost unless the "Clear All Barcodes Stored" setup code is scanned.



### 2.11.3 Inventory Mode

Inventory mode is also known as storage mode. After the storage mode is set, the user scans the bar code. The bar code information is not directly uploaded to the host device, but stored in the memory of the scanner. To view the data stored by the scanner, you can upload data through data control.



## 2.12 Data Control

Data control is used for processing stored data.

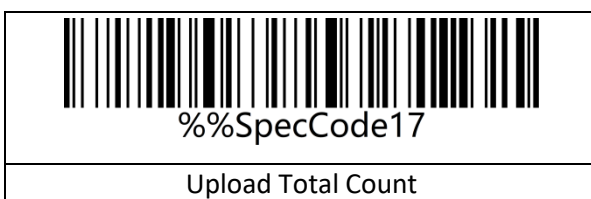
### 2.12.1 Upload All Code

To upload the data stored in the memory, scan the "Upload All Codes" barcode to transmit data to computers or mobile devices. In whatever mode, the data stored in the memory will not be deleted when data upload succeeds unless the "Clear All Codes" is scanned.



### 2.12.2 Upload Total Count

If you wish to output the total number of barcodes scanned, scan the barcode below.



### 2.12.3 Clear All Codes

Scan the "Clear All Codes" to clear the data stored in the scanner memory.

Note: this operation will clear all stored data.



## 2.13 Communication Setting

This scanner can not only support wireless communication, but also supports wired communication. When the scanner is wired to the scanner, the scanner will automatically switch to wired transmission.

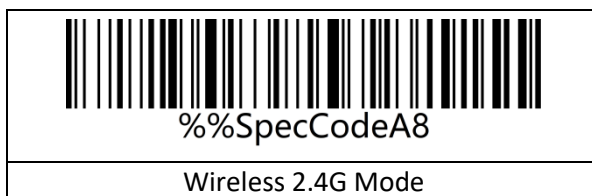
### 2.13.1 USB-COM

USB virtual serial port supports the use of 2.4G mode wireless virtual serial port and wired USB virtual serial port, whether you use wired or wireless virtual serial port, you need to install the virtual serial port driver.



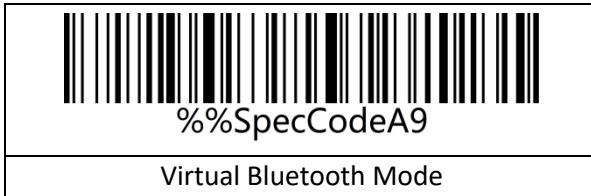
### 2.13.2 Wireless 2.4G Mode

It is suitable for devices that can be plugged into a 2.4G receiver, and can directly use text output, which is equivalent to USB keyboard input.



### 2.13.3 Virtual Bluetooth Mode

Virtual Bluetooth is suitable for connecting to a host without Bluetooth and does not need to install a Bluetooth driver. When using virtual Bluetooth mode, you need to use a dedicated virtual Bluetooth receiver.



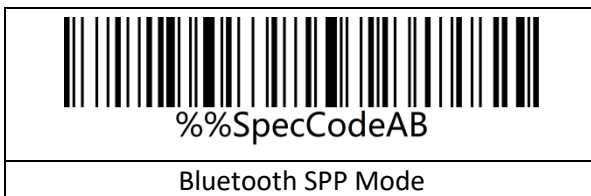
#### 2.13.4 Bluetooth HID Mode

It is suitable for using in devices that support Bluetooth, such as mobile phones, pads, laptops with Bluetooth, etc. After the connection is successful, you can use direct text input, which is equivalent to the virtual keyboard input method of this type of device.



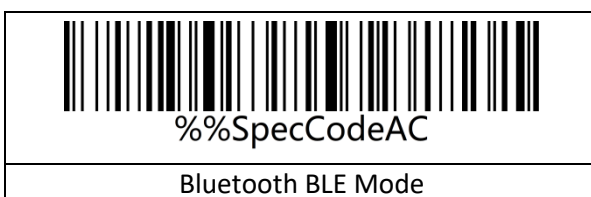
#### 2.13.5 Bluetooth SPP Mode

It is suitable for use in devices that support Bluetooth, such as mobile phones, pads, laptops with Bluetooth, etc. When using SPP to transparently transmit data, you need to download or develop classic Bluetooth SPP transparent transmission software before it can be used. SPP mode is suitable for mass data transmission.



#### 2.13.6 Bluetooth BLE Mode

It is suitable for use in devices that support Bluetooth, such as mobile phones, pads, laptops with Bluetooth, etc. When using BLE to transparently transmit data, you need to download or develop low-power Bluetooth BLE transparent transmission software before it can be used. BLE mode is suitable for small amount of data transmission.



## 2.14 Wireless Pairing

### 2.14.1 Wireless Pairing Steps (Dongle Pairing)

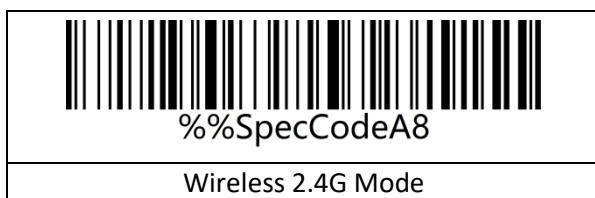
Compatible with XP, Win7, Win8, Win10, MAC OS and so on.

**OPMERKING:**

When the scanner is in the pairing state, you can exit the pairing state by double-clicking the button or the pairing timeout for 1 minute.

Step 1: Scan the "Wireless 2.4G Mode" setup code

When setting the wireless 2.4G mode, it will give priority to connect to the last paired receiver by default.



Step 2: Scan the "Forced Pairing" setup code to enter the pairing state, and the blue LED1 flashes quickly.



Step 3: Plug in Dongle (receiver) and hear a beep, indicating that the connection and pairing is successful. Blue LED2 is always on.

### 2.14.2 Virtual Bluetooth Pairing Steps

Compatible with XP, Win7, Win8, Win10, MAC OS and so on.

**OPMERKING:**

When the scanner is in the pairing state, you can exit the pairing state by double-clicking the button or the pairing timeout for 1 minute.

Step 1: Scan the "Virtual Bluetooth Mode" setup code

When setting the virtual bluetooth mode, the virtual bluetooth receiver paired last time will be connected first by default.



Step 2: Scan the "Forced Pairing" setup code to enter the pairing state, and the blue LED1 flashes quickly.



Step 3: Plug in Dongle (receiver) and hear a beep, indicating that the connection and pairing is successful. The blue LED2 is always on.

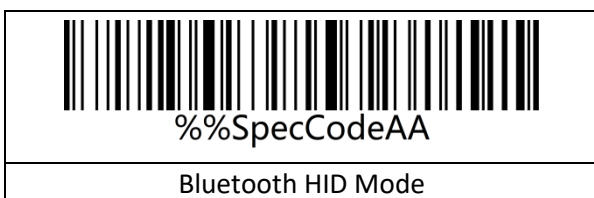
### 2.14.3 Bluetooth HID Pairing Steps



**OPMERKING:**

When the scanner is in the pairing state, you can exit the pairing state by double-clicking the button or the pairing timeout for 1 minute.

Step 1: Scan the "Bluetooth HID Mode" setup code  
When setting the wireless bluetooth HID mode, it will give priority to connect to the last paired bluetooth by default.



Step 2: Scan the "Forced Pairing" setup code to enter the pairing state, and the blue LED1 and blue LED2 flash alternately.



**OPMERKING:**

Press and hold the button for 8 seconds without releasing it and you will hear a beep, and then release the button to enter the Bluetooth HID pairing state (this function needs to be turned on).

Step 3: Turn on Bluetooth in the device and search for "BarCode Bluetooth HID".

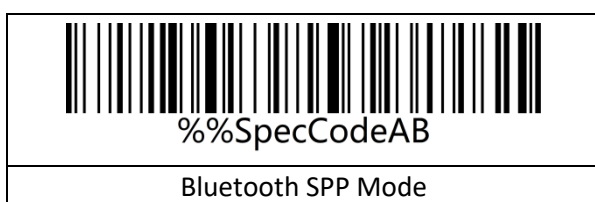
Step 4: Click "BarCode Bluetooth HID" Bluetooth device to enter the pairing state.

Step 5: When you hear a beep, it means the connection and pairing is successful, and the blue LED2 is always on.

#### 2.14.4 Bluetooth SPP Pairing Steps

Step 1: Scan the "Bluetooth SPP Mode" setup code

When setting the wireless Bluetooth SPP mode, it will automatically enter the SPP mode and enter the broadcast state by default. You can directly click the BarCode Bluetooth SPP device in the SPP software to pair.



Step 2: Search for "BarCode Bluetooth SPP" in the SPP transparent transmission software.

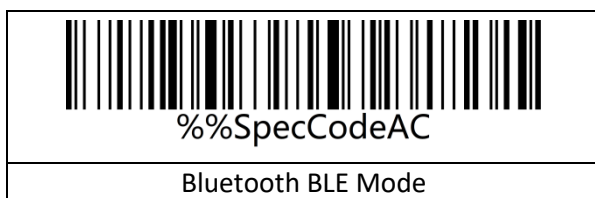
Step 3: Click the "BarCode Bluetooth SPP" Bluetooth device to enter the pairing state.

Step 4: When you hear a beep, it means the connection and pairing is successful, and the blue LED2 is on.

#### 2.14.5 Bluetooth BLE Pairing Steps

Step 1: Scan the "Bluetooth SPP Mode" setup code

When setting the wireless Bluetooth BLE mode, it will automatically enter the BLE mode and enter the broadcast state by default. You can directly click the BarCode Bluetooth BLE device in the BLE software to pair.



Step 2: Search for "BarCode Bluetooth BLE" in the SPP transparent transmission software.

Step 3: Click the "BarCode Bluetooth BLE" Bluetooth device to enter the pairing state.

Step 4: When you hear a beep, it means the connection and pairing is successful, and the blue LED2 is on.



## 2.15 Bluetooth Mode Function Setting


### 2.15.1 HID Mode

When using a Bluetooth barcode, turn on and hold for 8 seconds to enter the Bluetooth HID search.

 %%SpecCode79	 %%SpecCode78
On	Off

### 2.15.2 IOS System HID Virtual Keyboard Setting

**OPMERKING:**

 For the Android system keyboard display, please contact the supplier to obtain the Bluetooth input method APP (due to the Android system, some mobile phone manufacturers support the virtual keyboard when connected to the Bluetooth scanner).



When using Bluetooth HID mode to connect to IOS system, scan "Show or hide IOS keyboard" to show or hide IOS keyboard


 %%SpecCode1A
Show/Hide IOS Keyboard

Users can also set to quickly show or hide the IOS keyboard. When double-click to display the IOS keyboard function is enabled, the IOS virtual keyboard can be called up by quickly clicking the scanner button.

 %%SpecCode7B	 %%SpecCode7A
Enable double-click	Disable double-click

### 2.15.3 Bluetooth HID Upload Speed

 %%SpecCodeB0	 %%SpecCodeB1
---	--

Fast	Medium
 %%SpecCodeB2	 %%SpecCodeB3
Slow	Very slow

### 2.15.4 Bluetooth Name

Use the following steps to customize the Bluetooth name of Bluetooth HID, SPP and BLE.


Step 1: Scan the "Custom Bluetooth Name" setup code



Step 2: Scan the Bluetooth name barcode.

**OPMERKING:**

The default name of Bluetooth is "Barcode Scanner". After setting through this step, this barcode will be set to the name of Bluetooth.

 a) The name can only be set up to 16 bytes. If the name of barcode exceeds 16 bytes, the scanner will only take the first 16 bytes as the Bluetooth name.

b) The complete Bluetooth name includes: Bluetooth name + protocol type, and only supports to modify the Bluetooth name. After modifying the Bluetooth name, the names of all Bluetooth protocols have been changed.

**Example: Set the Bluetooth name to: Scanner.**

Step 1: Scan the "Custom Bluetooth Name" setup code



Step 2: Make and scan the Bluetooth name barcode



After setting:

The name of the Bluetooth HID is displayed as: Scanner HID;

The name of the Bluetooth SPP is displayed as: Scanner SPP;

The name of Bluetooth BLE is displayed as Scanner BLE.

## 2.15.5 Get the Bluetooth Name



**OPMERKING:**

Only in the Bluetooth HID, SPP, BLE mode can the Bluetooth name be obtained successfully, otherwise it will fail.



%%SpecCodeED

Get the Bluetooth Name

## 2.16 National Keyboard Layout



**OPMERKING:**

The international keyboard supports all minority languages on the PC side.



%%SpecCode40

English



%%SpecCode41

German



%%SpecCode42

French



%%SpecCode43

Spanish



%%SpecCode44

Italian



%%SpecCode45

Japanese



%%SpecCode47

Belgian French



%%SpecCode48



















Portuguese



%%SpecCode49



%%SpecCode4A

British English  %%SpecCode4B	German IOS keyboard  %%SpecCode4C
Brazilian Portuguese  %%SpecCode4D	Russian  %%SpecCode4E
Czech  %%SpecCode4F	Italy 142  %%SpecCode50
Turkey Q  %%SpecCode51	Turkey F  %%SpecCode52
Sweden / Finland  %%SpecCode53	Mexican Spanish  %%SpecCode54
Denmark  %%SpecCode55	Written Norwegian  %%SpecCode56
Croatian/Serbian  %%SpecCode57	Swiss German  %%SpecCode58
Swiss French  %%SpecCode59	Dutch  %%SpecCode5A
Hungarian  %%SpecCode5B	Polish  %%SpecCode5C
Canadian French	Argentina (Latin American)

 %%SpecCode5D	 %%SpecCode5E
Slovak	Thai
 %%SpecCode46	
International keyboard	

## 2.17 Case Conversion



**OPMERKING:**

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

By setting the character case conversion function of the scanner, the English letters of the scanner output data can be case-converted.

For example: The content of the barcode is aBC123, scan "Lower", the data obtained by the host will be "abc123". The default is Normal.

 %%SpecCodeA5	 %%SpecCodeA4
Normal	Upper
 %%SpecCodeA3	 %%SpecCodeA6
Lower	Inverse

## 2.18 GS Replacement function

After using the GS replacement function, the GS can be replaced with other characters, which is convenient for the host device to display. When you need to display GS characters, you can set GS to be replaced with 1D of the ASCII code character table.

### 2.18.1 Custom GS Replacement

Step 1: Scan the "Custom GS Replacement" setup code.



Step 2: Query "Appendix-ASCII code character table" to find the barcode corresponding to the character to be replaced and scan it.

**Example:**

Replace GS characters with characters that can be displayed"|"

Step 1: Scan the "Custom GS Replacement" setup code.

Step 2: Query the "Appendix-ASCII code character table" to find the barcode corresponding to the "|" character and scan it.

### 2.18.2 Cancel GS Replacement



## 2.19 Custom Prefix/Suffix

This product supports up to 32-byte prefix and 32-byte suffix setting.

### 2.19.1 Add Custom Prefix

Step 1: Scan "Add Custom Prefix" Setup Code



Step 2: According to the content that needs to be added, query the "ASCII code character table" and scan the setup code corresponding to the custom prefix.

Example:

Original barcode is "ABC123", add custom "789", and output "789ABC123"

Step 1: Scan the "Add custom prefix" setting code;

Step 3: According to the content that needs to be added, query the "ASCII code character table" and scan the setup codes corresponding to "7", "8", and "9".

### 2.19.2 Clear Custom Prefix

Refer to Adding Custom Prefix Setting and follow the steps below to clear the custom prefix.

Step 1: Scan the "Add custom prefix" setup code;

Step 2: Scan the setup code of "Exit Setting Mode" in "Appendix-Enter/Exit Setting";

Or you can directly scan and restore factory values to clear custom prefixes.

### 2.19.3 Add Custom Suffix

Step 1: Scan "Add Custom Suffix" Setup Code.



Step 2: According to the content that needs to be added, query the "ASCII code character table" and scan the setup code corresponding to the custom suffix.

Example:

Original barcode is "ABC123", add custom "XYZ", and output "ABC123XYZ"

Step 1: Scan the "Add custom suffix" setup code;

Step 2: According to the content that needs to be added, query the "ASCII code character table" and scan the setup codes corresponding to "X", "Y", and "Z";

### 2.19.4 Clear Custom Suffix

Refer to the setting of adding custom suffix and follow the steps below to clear the custom suffix.

Step 1: Scan the "Add custom suffix" setup code.

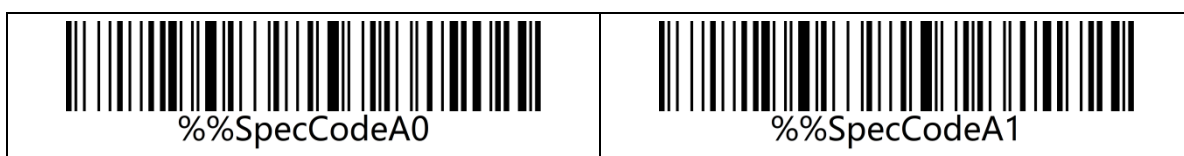
Step 2: Scan the setup code of "Exit Setting Mode" in "Appendix-Enter/Exit Setting".

Or you can directly scan and restore factory default to clear custom suffixes.

### 2.19.5 Hide First/Last Characters



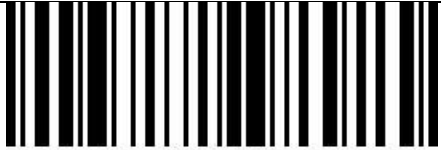
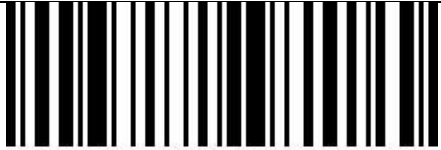
Follow the steps below to set the number of digits for the characters before and after hiding, up to 16 digits.

Step 1: Scan the setup code of "Hide first characters" or "Hide last characters".



Hide first characters	Hide last characters
-----------------------	----------------------

Step 2: Scan the barcode corresponding to 01-16 in "Appendix-ASCII code character table" according to the number of prefix or suffix characters that need to be hidden.

 %%01 Hide 1 character	 %%02 Hide 2 characters
 %%03 Hide 3 characters	 %%04 Hide 4 characters

### 2.19.6 Clear Hidden Characters

Step 1: Scan the setup code of "Hide first characters" or "Hide last characters";

Step 2: Scan the setup code of "Exit Setting Mode" in "Appendix-Enter/Exit Setting";

Or you can directly scan and restore factory default to clear custom prefixes.

### 2.20 Terminator


The terminator is used to mark the end of a complete data message. The terminator must be the last content when a piece of data is sent, and there will be no additional data after that. Choose to scan the appropriate end character to set the barcode according to your needs, the default is Enter.

 %%SpecCode9C <CR>(0x0D)*	 %%SpecCode9D <LF>(0x0A)
 %%SpecCode9E <CR><LF>(0x0D,0x0A)	 %%SpecCodeA2 <HT>(0x09)
 %%SpecCode9F NONE	



## 2.21 Clock Function




The clock function is supported by wireless version 3.0 and above. You can set the current time and send it to the output device together with the barcode by setting the clock function.

	<p><b>OPMERKING:</b></p> <p>The clock function needs to be customized and needs to be supported by a software version above 3.0. The clock function will re-time after the barcoder is shut down. You need to use a tool to synchronize the current time of the computer.</p>
---	---

 %%SpecCode1B	 %%SpecCodeC1
Show current time	Add time before barcode
 %%SpecCodeC2	 %%SpecCodeC0
Add time after barcode	Close time before or after barcode



## 2.22 Control character set escape settings

	<p><b>OPMERKING:</b></p> <p>The character escape function is supported by wireless version 3.0 and above.</p>
---	---


 %%SpecCodeBA0000	 %%SpecCodeBA0001
Escape character set 0	Escape character set 1
 %%SpecCodeBA0002	 %%SpecCodeBA0003
Escape character set 2	Escape character set 3
 %%SpecCodeBA0004	
Escape character set 4	

### 3. Appendixes

#### 3.1.1 Enter/Exit Settings

 %%EnterSet	 %%ExitSet
Enter setting mode	Exit setting mode

#### 3.1.2 Led indicator description

	<p><b>OPMERKING:</b>                  This part of the lighting description is slightly different according to different product configurations. If you need more information, please contact the supplier.</p>
---	---

Basic function description of indicator light :

Blue LED2	Used to indicate whether the wireless is connected or not, if it is connected, it is always on, if the connection is disconnected, it will be off.
Blue LED1	The scan code indicator light flashes briefly when the barcode is successfully scan.
Red LED3	The red light is always on to indicate that it is charging, and the red light is off to indicate that it is fully charged or not connected to charge
Blue light 2 is off, blue light 1 flashes quickly	2.4G/Virtual Bluetooth mode pairing status
Blue light 1 is off, blue light 2 flashes quickly	Pairing status in SPP mode
Blue light 1 and blue light 2 flash alternately and quickly	Pairing status in HID mode
Blue light 1 and blue light 2 flash synchronously and quickly	Pairing status in BLE mode
Blue light 1 and blue light 2 flash synchronously and slowly	The module is in an upgrade state

#### 3.1.3 Description of buzzer sound

One long tone (low first and then high)	Indicates that the power is on
---	--------------------------------

One long tone (high first and then low)	Indicates that the power is off
One short tone (low frequency)	Indicates that the normal barcode is scanned, or the pairing is successful, or the wireless connection is successful.
One short tone (low first and then high)	Indicates that the scanned data is stored in the storage area
One short tone (high first and then low)	Indicates that the setup code was scanned
Three short tones (low frequency)	Indicates that the wireless transmission failed or the buffer is full
Five short tones (low frequency)	Indicates that it need to be charged
Two short tones (low frequency)	Indicaste wireless disconnection
Two short tones (high frequency)	Indicates that the scanned setup code does not work

### 3.1.4 Control Character List



**OPMERKING:**

The setting code of the control character table refers to the corresponding setting code of 01-31 in the ASCII character table.

HEX	Decimal	ASCII	character set 0	character set 1	character set 2	character set 3	character set 4
01	01	SOH	NULL	Home	Ctrl+A	Alt+001	Enter on the keypad
02	02	STX	Ctrl+B	End	Ctrl+B	Alt+002	Cap Lock
03	03	ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	Right Arrow
04	04	EOT	NULL	Down Arrow	Ctrl+D	Alt+004	Up Arrow
05	05	ENQ	NULL	Left Arrow	Ctrl+E	Alt+005	NULL
06	06	ACK	NULL	Right Arrow	Ctrl+F	Alt+006	NULL
07	07	BEL	NULL	Shift+Tab	Ctrl+G	Alt+007	Enter
08	08	BS	Back Space	Back Space	Back Space	Alt+008	Left Arrow
09	09	HT	Tab	Tab	Tab	Alt+009	Tab
0A	10	LF	Enter	Enter	Ctrl+P	Alt+010	Down Arrow
0B	11	VT	NULL	NULL	Ctrl+Q	Alt+011	Tab
0C	12	FF	NULL	NULL	Ctrl+R	Alt+012	delete
0D	13	CR	Enter	Enter	Enter	Alt+013	Enter
0E	14	S0	F1	Page Up	Ctrl+N	Alt+014	Insert
0F	15	S1	F2	Page Down	Ctrl+O	Alt+015	Esc
10	16	DLE	F3	F11	Ctrl+P	Alt+016	F11

HEX	Decimal	ASCII	character set 0	character set 1	character set 2	character set 3	character set 4
11	17	DC1	F4	NULL	Ctrl+Q	Alt+017	Home
12	18	DC2	F5	NULL	Ctrl+R	Alt+018	Print Screen
13	19	DC3	F6	NULL	Ctrl+S	Alt+019	Back Space
14	20	DC4	F7	NULL	Ctrl+T	Alt+020	Shift tab
15	21	NAK	F8	F12	Ctrl+U	Alt+021	F12
16	22	SYN	F9	F1	Ctrl+V	Alt+022	F1
17	23	TB	F10	F2	Ctrl+W	Alt+023	F2
18	24	CAN	F11	F3	Ctrl+X	Alt+024	F3
19	25	EM	F12	F4	Ctrl+Y	Alt+025	F4
1A	26	SUB	NULL	F5	Ctrl+Z	Alt+026	F5
1B	27	Esc	Esc	F6	Ctrl+[	Alt+027	F6
1C	28	FS	ALT+028	F7	Ctrl+\	Alt+028	F7
1D	29	GS	ALT+029	F8	Ctrl+]	Alt+029	F8
1E	30	RS	NULL	F9	Ctrl+^	Alt+030	F9
1F	31	US	NULL	F10	Ctrl+_	Alt+031	F10


### 3.1.5 ASCII code character table



















**OPMERKING:**

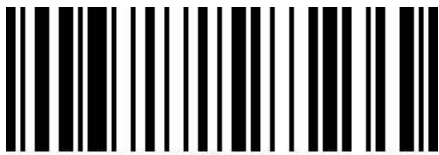

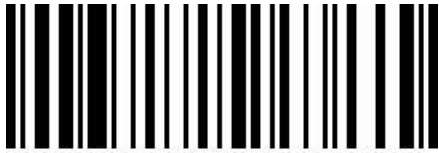



















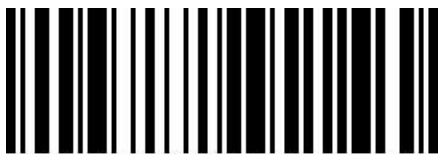







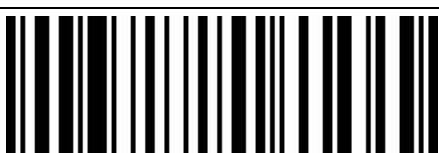



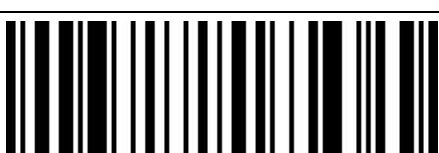

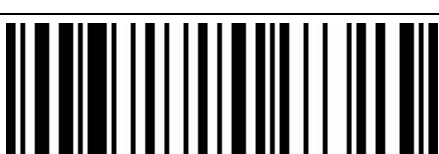

01-31 are invisible characters. Please refer to "Appendix-Control Character List" to set the escape character set.



















32-127 are visible characters. This part of the characters can generally be directly output through the HID keyboard without escaping.

Hexadecimal	ASCII	character	1D setup code	2D setup code
01	01	SOH	 %%01	 %%01
02	02	STX	 %%02	 %%02



















03	03	ETX	 %%03	 %%03
04	04	EOT	 %%04	 %%04
05	05	ENQ	 %%05	 %%05
06	06	ACK	 %%06	 %%06
07	07	BEL	 %%07	 %%07
08	08	BS	 %%08	 %%08
09	09	HT	 %%09	 %%09
0A	10	LF	 %%0A	 %%0A
0B	11	VT	 %%0B	 %%0B



















0C	12	FF	 %%0C	 %%0C
0D	13	CR	 %%0D	 %%0D
0E	14	S0	 %%0E	 %%0E
0F	15	S1	 %%0F	 %%0F
10	16	DLE	 %%10	 %%10
11	17	DC1	 %%11	 %%11
12	18	DC2	 %%12	 %%12
13	19	DC3	 %%13	 %%13
14	20	DC4	 %%14	 %%14



















15	21	NAK	 %%15	 %%15
16	22	SYN	 %%16	 %%16
17	23	TB	 %%17	 %%17
18	24	CAN	 %%18	 %%18
19	25	EM	 %%19	 %%19
1A	26	SUB	 %%1A	 %%1A
1B	27	Esc	 %%1B	 %%1B
1C	28	FS	 %%1C	 %%1C
1D	29	GS	 %%1D	 %%1D



















1E	30	RS	 %%1E	 %%1E
1F	31	US	 %%1F	 %%1F
20	32	SP	 %%20	 %%20
21	33	!	 %%21	 %%21
22	34	"	 %%22	 %%22
23	35	#	 %%23	 %%23
24	36	\$	 %%24	 %%24
25	37	%	 %%25	 %%25
26	38	&	 %%26	 %%26







































27	39	,	 %%27	 %%27
28	40	(	 %%28	 %%28
29	41	)	 %%29	 %%29
2A	42	*	 %%2A	 %%2A
2B	43	+	 %%2B	 %%2B
2C	44	,	 %%2C	 %%2C
2D	45	-	 %%2D	 %%2D
2E	46	.	 %%2E	 %%2E
2F	47	/	 %%2F	 %%2F



















30	48	0	 %%30	 %%30
31	49	1	 %%31	 %%31
32	50	2	 %%32	 %%32
33	51	3	 %%33	 %%33
34	52	4	 %%34	 %%34
35	53	5	 %%35	 %%35
36	54	6	 %%36	 %%36
37	55	7	 %%37	 %%37
38	56	8	 %%38	 %%38



















39	57	9	 %%39	 %%39
3A	58	:	 %%3A	 %%3A
3B	59	;	 %%3B	 %%3B
3C	60	<	 %%3C	 %%3C
3D	61	=	 %%3D	 %%3D
3E	62	>	 %%3E	 %%3E
3F	63	?	 %%3F	 %%3F
40	64	@	 %%40	 %%40
41	65	A	 %%41	 %%41

42	66	B	 %%42	 %%42
43	67	C	 %%43	 %%43
44	68	D	 %%44	 %%44
45	69	E	 %%45	 %%45
46	70	F	 %%46	 %%46
47	71	G	 %%47	 %%47
48	72	H	 %%48	 %%48
49	73	I	 %%49	 %%49
4A	74	J	 %%4A	 %%4A








4B	75	K	 %%4B	 %%4B
4C	76	L	 %%4C	 %%4C
4D	77	M	 %%4D	 %%4D
4E	78	N	 %%4E	 %%4E
4F	79	O	 %%4F	 %%4F
50	80	P	 %%50	 %%50
51	81	Q	 %%51	 %%51
52	82	R	 %%52	 %%52
53	83	S	 %%53	 %%53

















54	84	T	 %%54	 %%54
55	85	U	 %%55	 %%55
56	86	V	 %%56	 %%56
57	87	W	 %%57	 %%57
58	88	X	 %%58	 %%58
59	89	Y	 %%59	 %%59
5A	90	Z	 %%5A	 %%5A
5B	91	[	 %%5B	 %%5B
5C	92	\	 %%5C	 %%5C

5D	93	]	 %%5D	 %%5D
5E	94	^	 %%5E	 %%5E
5F	95	_	 %%5F	 %%5F
60	96	'	 %%60	 %%60
61	97	a	 %%61	 %%61
62	98	b	 %%62	 %%62
63	99	c	 %%63	 %%63
64	100	d	 %%64	 %%64
65	101	e	 %%65	 %%65

66	102	f	 %%66	 %%66
67	103	g	 %%67	 %%67
68	104	h	 %%68	 %%68
69	105	i	 %%69	 %%69
6A	106	j	 %%6A	 %%6A
6B	107	k	 %%6B	 %%6B
6C	108	l	 %%6C	 %%6C
6D	109	m	 %%6D	 %%6D
6E	110	n	 %%6E	 %%6E



6F	111	o	 %%6F	 %%6F
70	112	p	 %%70	 %%70
71	113	q	 %%71	 %%71
72	114	r	 %%72	 %%72
73	115	s	 %%73	 %%73
74	116	t	 %%74	 %%74
75	117	u	 %%75	 %%75
76	118	v	 %%76	 %%76
77	119	w	 %%77	 %%77

78	120	x	 %%78	 %%78
79	121	y	 %%79	 %%79
7A	122	z	 %%7A	 %%7A
7B	123	{	 %%7B	 %%7B
7C	124		 %%7C	 %%7C
7D	125	}	 %%7D	 %%7D
7E	126	~	 %%7E	 %%7E
7F	127	DEL	 %%7F	 %%7F
C7	199	Ç	 %%C7	 %%C7

E7	231	ç	 %%E7	 %%E7
----	-----	---	--	---