
212E User Manual

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1 System Settings

1.1 Start

Manual Instructions

This manual includes symbology settings, function settings (lighting, keyboard type and factory reset, etc.) and interface settings. If you need to change the functions you need, just scan the configuration according to the setting barcode below. All with (*) indicate factory default values.

Version Information

In order for the host to quickly read the version information of the current device, you can confirm it by reading the “version information” .



Version Information

Set Code Switch

By turning on the setting barcode function, you can configure the parameters of the scan engine by scanning the setting barcode.

Note

When modifying the configuration through the setting barcode, the entire current flag bit list will be saved to the memory, that is, the configuration configured through the serial port but not saved will also be saved together.



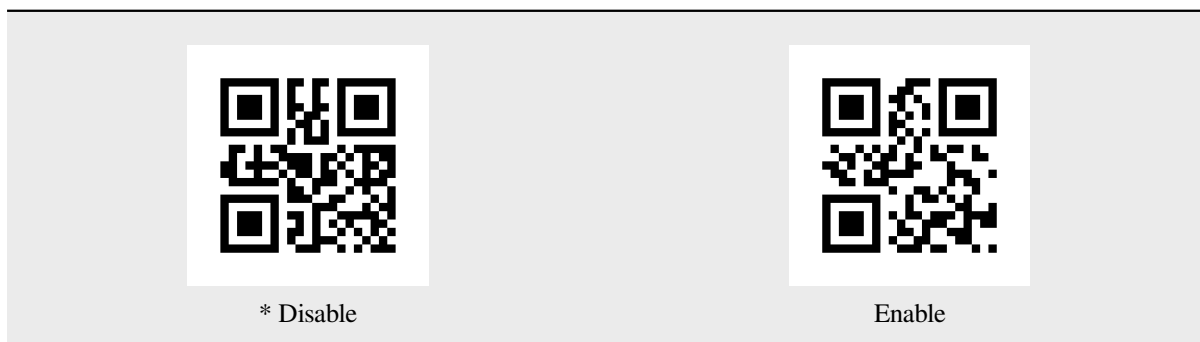
Disable



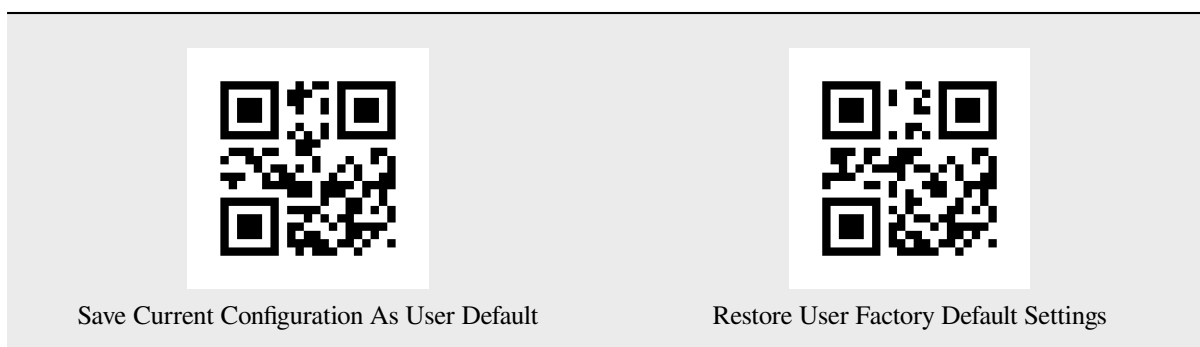
* Enable

Set Code Content Output

Whether to output the setting barcode content, you can configure the parameters of the scan engine by scanning the following setting barcode.



User Default Settings



Users can save their frequently used configurations as user default settings. By scanning “Save current settings as user default settings”, the current configuration information of the device can be saved as user default settings information. After this operation, the new configuration information will replace the original user default settings information. By scanning “Restore User Default Settings”, the scan engine can be switched to user default settings.

Power Control

Sleep Mode

This parameter determines the power mode of the module. In sleep mode, the scan engine enters sleep state as much as possible (can be awakened by wake-up command)



* Sleep Mode

Continuous Working Mode

In continuous working mode, the scan engine is still awake after each decoding attempt.



Continuous Working Mode

1.2 Prompt Output

Prompt Sound Related

Beeper Type

Read the following setting barcode to set the buzzer as a passive or active buzzer.



* Passive



Active

Volume Level

Users can adjust the buzzer volume according to the application environment and personal habits by reading the following setting barcode.



mute



Bass



Alto



* Treble

Power-on Beep

	
Disable	* Enable

Setup Code Prompt Tone

	
Disable	* Enable

Decoding Tone

	
Disable	* Enable

Decoding Prompt Tone Frequency

The resonant frequency of the buzzer used by the user may be different from the default frequency. You can adjust the frequency of the decoding prompt tone by reading the following setting barcode. Default is 2700Hz.

Scan the “Buzzer Frequency” setting barcode



Buzzer Frequency

Scan the “Digital Setup Code” . For example, if the frequency is 1500Hz, sweep 1, 5, 0, 0; if the frequency is 2700Hz, sweep 2, 7, 0, 0

Scan the “OK” setting barcode to end the setting



Sure

Decoding Prompt Sound Quick Setting

 1000Hz	 1500Hz
 2000Hz	 2500Hz
 *2700Hz	 3000Hz
 3500Hz	

Decoding Tone Duration

Users can set the duration of the decoding prompt sound as needed, the default is 50ms.

Scan the “Beep Sound Duration” setting barcode



Prompt Tone Duration

Scan the “Digital Setup Code” . For example, if the duration is 50ms, scan 5,0; if the duration is 200ms, scan 2,0,0

Scan the “OK” setting barcode to end the setting



Sure

Quickly Set The Decoding Tone Duration



30ms



*50ms



70ms



100ms



200ms



300ms

2 Device function settings

2.1 Lighting And Aiming

Illumination

The lighting can provide auxiliary lighting for shooting and reading, and the beam shines on the reading target, improving the reading performance and the ability to adapt to weak ambient light. Users can set it to one of the following states according to the application environment:

Normal lighting (default setting): The lighting lights up when shooting and reading, and turns off at other times;

The lighting is always on: the lighting will continue to glow after the scan engine is turned on;

No lighting: The light does not come on under any circumstances.



AIM

The projected aiming beam helps users find the optimal reading distance when shooting for reading. According to the application environment, users can

Choose any of the modes below.

Aiming Normal (default setting): The scan engine only projects the aiming beam when shooting and reading;

Aiming always on: After the scan engine is powered on, it will continue to project the aiming beam;

No Aiming: The aiming beam is extinguished under any circumstances.



* AIM For Normal



No Aiming



AIM For Constant Light

Reminder Light Related Alert Light Function Type

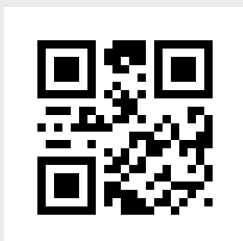


* Decoding Hints



Power Prompt

Decode Success Indicator



Disable

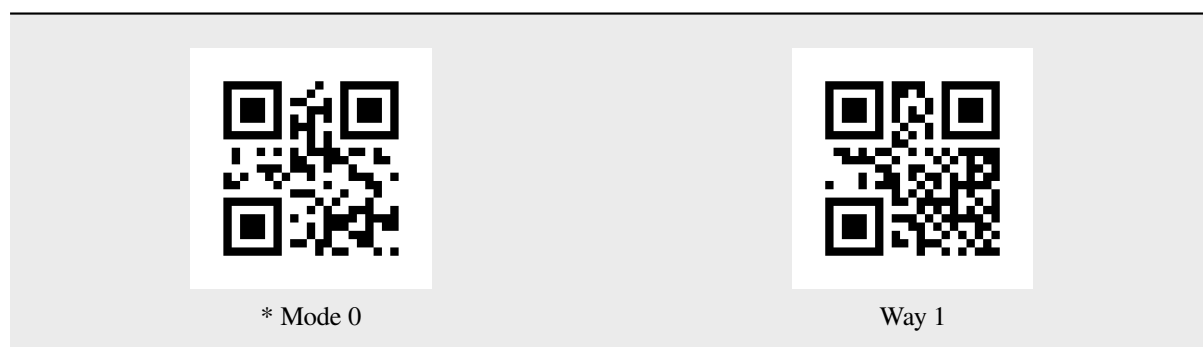


* Enable

Decoding Success Prompt Light Control Method

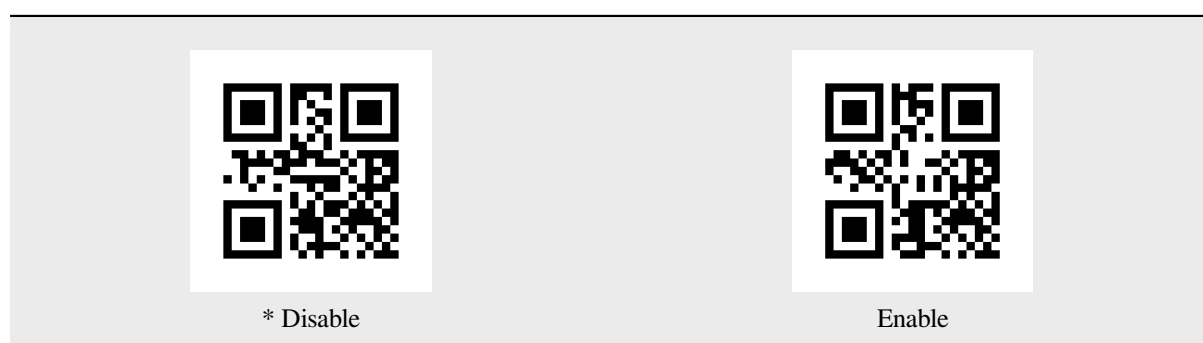
Mode 0: long off after power on, on when decoding is successful, on for a specified time and then off.

Method 1: Always on after power-on, off when decoding is successful, and on after a specified period of time.



Decoding Status NR Output

NR is the abbreviation of No Read. Before releasing the trigger button, if the barcode cannot be decoded within the timeout period, the “NR” message is allowed to be output; when this function is disabled, no message can be output to the host even if the barcode cannot be decoded.



3 Trigger settings

3.1 reading mode

Common Reading Modes

Key Hold

Set to key hold mode, press the key to trigger reading, release the key to end reading. If the reading is successful or the reading time exceeds the single reading time, the reading will end.



Key Hold

Single Button Trigger

Set to single button trigger mode. Press the button to start reading. Release the button and the reading will not stop. If the reading is successful or the reading exceeds the single reading time, the reading will stop.



Single Button Trigger

continuous mode

After the setting is completed, there is no need to trigger. The scan engine starts reading the code immediately. When the reading is successful and the information is output or the single reading time expires, the next reading interval will automatically start after the reading interval times out.



continuous mode

Auto sensing mode

In the automatic sensing mode, the scan engine will detect the brightness of the surrounding environment. When the brightness changes, the reading is triggered. The reading is successful or the reading time exceeds the single reading time and ends. Regardless of whether the last reading was successful or failed, re-enter to detect the brightness of the surrounding environment.



Auto sensing mode

Sensitivity

Sensitivity refers to the degree of detection of scene changes in sensor reading mode. When the scan engine determines that the scene change degree meets the requirements, it will switch from the monitoring state to the reading state.



* High Sensitivity



Medium Sensitivity



Low Sensitivity

Image Stabilization Duration Setting

The image stabilization time refers to the time that the scan engine that detects scene changes needs to wait for the image to stabilize before reading the code in the sensor reading mode. The image stabilization time setting range is: 0-65535ms, and the default value is: 300ms.

Scan the “Stabilization Duration” setting barcode



Image Stabilization Time

Scan the “Digital Setup Code” . For example, if the duration is 100ms, scan 1, 0, 0; if the duration is 1005ms, scan 1, 0, 0, 5

Scan the “OK” setting barcode to end the setting



Sure

Quick Setting Of Image Stabilization Duration



Command Trigger Mode

By triggering the reading of the scan engine through commands, you can actively end the reading through commands. If the reading is successful or the reading time exceeds the single reading time, the reading will end. For specific triggering commands, please refer to the product instruction information.

Note

Trigger And End Commands Are Valid In Any Mode

Special Reading Mode

Screen Fast Mode

This mode is an extraordinary mode and is not applicable to general version products. It is suitable for application scenarios that require quick recognition of screen codes. Users who need it are asked to contact the supplier.

Fast Code Reading Mode

This mode is an extraordinary mode and is not suitable for general-purpose products. It is suitable for application scenarios that require rapid reading of barcodes on various paper media. It is suitable for fixed modules, scanning platforms and other product forms. Users who have needs please contact the supplier.

Single Reading Time

The duration of a single code reading refers to the longest reading attempt time allowed after triggering the reading and failing to read successfully. When this time is exceeded, the reading state will be exited. The range of single code reading time is: 0-65535ms, default: 5000ms.

Single Reading Time Setting

Scan the “single reading time” setting barcode



Single Reading Time

Scan the “Digital Setup Code” . For example, if the duration is 100ms, scan 1, 0, 0; if the duration is 1005ms, scan 1, 0, 0, 5

Scan the “OK” setting barcode to end the setting



Sure

Quick Setting Of Single Reading Time



Same Code Reading Interval

In order to prevent the same barcode from being read multiple times in continuous mode and automatic sensing mode, the scan engine can be required to delay reading the same barcode for a set period of time; the same-code delay means that after reading a barcode, it refuses to read the same barcode within a set period of time. Only after the time has expired can it be read and output. The range is: 0-65535ms, default: 0ms.

Same Code Reading Interval Setting

Scan the “same code time interval” setting barcode



Same Code Time Interval

Scan the “Digital Setup Code” . For example, if the interval is 100ms, scan 1, 0, 0; if the interval is 1005ms, scan 1, 0, 0, 5

Scan the “OK” setting barcode to end the setting



Sure

Quick Setting Of Same Code Reading Interval

 * 0ms	 100ms
 300ms	 500ms
 1000ms	 3000ms
 5000ms	 10000ms
 Infinite Delay (do Not Read The Same Code)	

Reading Interval Time

The interval between two readings in continuous mode. Regardless of whether the last reading was successful or failed, it will automatically enter the next reading after this time. This setting mainly applies to continuous mode

Default: 500ms, range: 0-65535ms

Reading Interval Setting

Scan the “Reading Interval Time” setting barcode



Reading Interval Time

Scan the “Digital Setup Code” . For example, if the interval is 100ms, scan 1, 0, 0; if the interval is 1005ms, scan 1, 0, 0, 5

Scan the “OK” setting barcode to end the setting



Sure

Quickly Set The Reading Interval Time

 0 ms	 *500ms
 1000ms	 2000ms
 5000ms	 10000ms

4 Interface Settings

4.1 Communication Mode

USB HID-KBW

When the scan engine is connected to the host using a USB cable, the scan engine can be configured as a standard keyboard input by scanning the USB KBW setting barcode.



USB HID-KBW

USB COM

When the scan engine is connected to the host using a USB cable, the scan engine can be configured into virtual serial port output mode by scanning the USB COM setting barcode.



USB COM

serial

The serial communication interface is a common way to connect the scan engine to the host device (such as PC, POS, etc.). When the scan engine is connected to the host using a serial port cable, the system defaults to the serial communication mode. When using the serial communication interface, the communication parameter configuration between the scan engine and the host device must completely match to ensure smooth communication and correct content.



TTL-232 Serial Port

The serial communication interface of the scan engine uses TTL level signals (TTL-232). This interface can adapt to most system architectures. If the system needs to use RS232 architecture, an external conversion circuit needs to be added.

The default serial communication parameters of the scan engine are shown in Table 2-1.

Serial Communication Parameter Table 2-1

Parameter	default
Baud Rate	115200
Check Digit	none
Data Bits	8
stop bit	1

Baud Rate

When the scan engine communicates with the host through TTL-232/RS232, the same communication parameters must be set for normal communication, including transmission rate, verification, flow control, etc. The transmission rate is the baud rate, and the default baud rate is 115200.

	
600	1200
	
2400	4800
	
9600	14400
	
19200	38400
	
57600	*115200

Check Digit



* No Parity



Odd



Even

stop bit

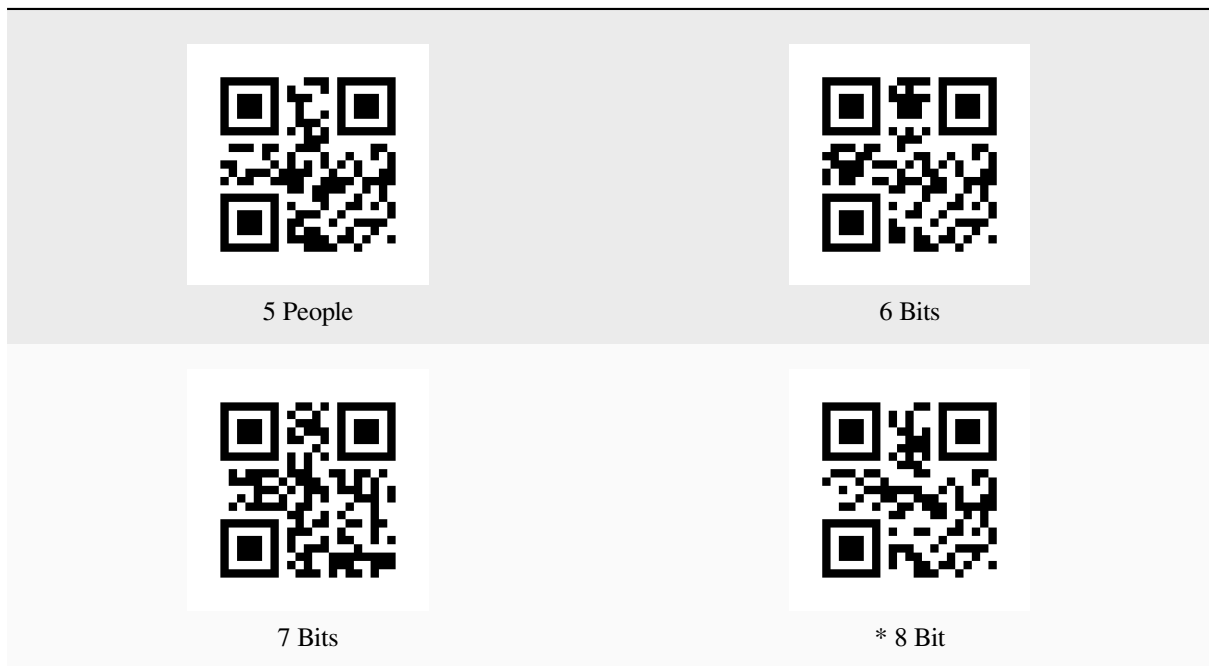


* 1 Bit



2 People

Data Bits



USB HID-POS

When the device is used as a HID device, you can read the following setting barcode and select the HID POS device mode.



HID POS

4.2 Command

Format

Instruction composition: Instructions use ASCII strings and are composed as follows

- Setting Barcode
- Instruction Type
- The default checksum is "99"

Instruction Type

Instruction Type	Command
Permanent Setting Instructions	Setting Barcode+ ” >;99’ ”
Temporary Setup Instructions	Setup code+ ” ^;99”
Query Command	Setup code+ ” ?;99”
The Return Command Is Correct	Setup code+ ” \$;99”
Return Command Error	Setting Barcode+ ” *;99”

Function	Send	Return Correctly	Error Return	Remark
Setup Instructions	>!0010201.>;99	>!0010201.\$;99	>!0010201.*;99	
Query Command	>!0010201.?;99	>!001020X.\$;99	>!0010201.*;99	X Query Value

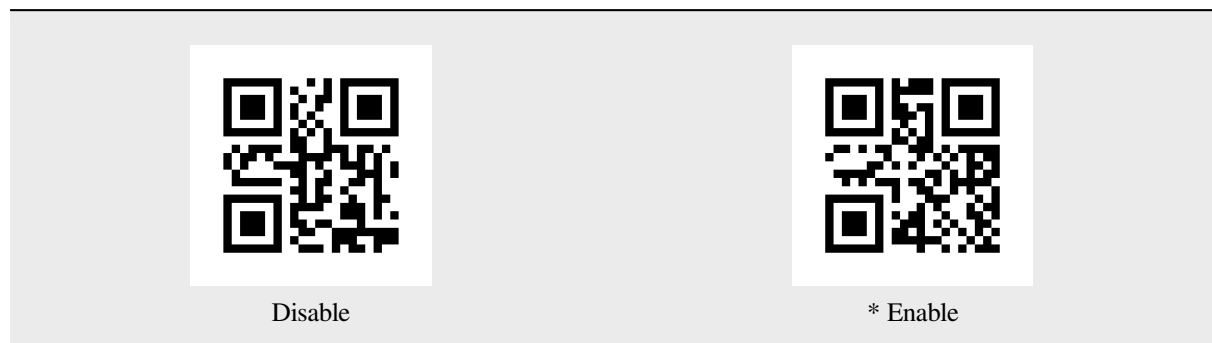
For example: to set the end character to carriage return and line feed, the setting barcode is >!0010201.

Special instructions involve permanent setting instructions, please do not use them frequently. If it is shipped from the factory or is set occasionally, it is recommended to use the permanent setting command. If the settings are modified every time the code is read, please use the temporary setting command. Frequent use of the permanent setting command will affect the service life of the scanning device.

Detailed instructions can be found in Appendix D.

Answer

After being enabled, the host sends commands and the scan engine will respond accordingly.



Command Prompt Sound

After being enabled, when the scan engine receives an instruction, there will be a sound prompt.



4.3 Packet Format

Decode Data

Identifier	Status	Type	Length	Barcode Type	Data	Check
0x99 0xDD		0x06				

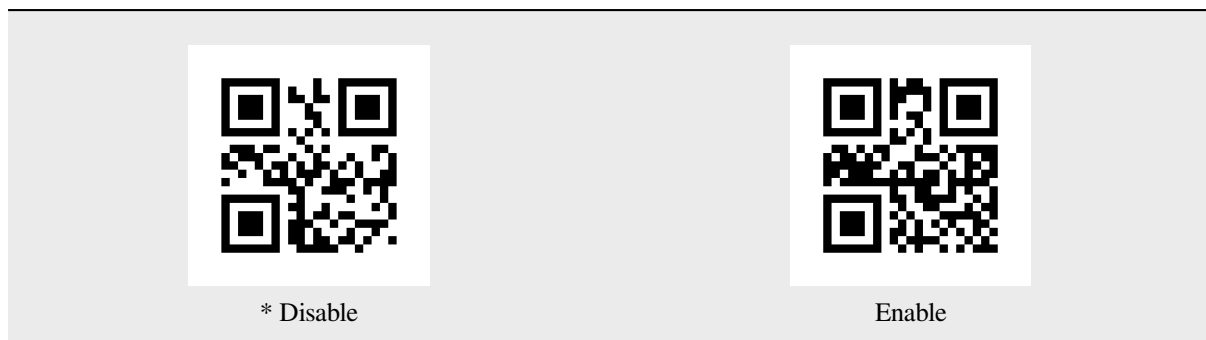
Field Description

Field Name	Size	Description
Identifier	2 Bytes	Fixed 0x99, 0xDD
Status	1 Byte	bit0: permanent changebit1: repeated sendingbit2: command prompt sound
Type	1 Byte	Type Of Instruction
Length	4 Bytes	High byte first (low address), low byte last (high address), does not include check digits
Barcode Type	1 Byte	See Appendix F For Details
Data	Variable	Decode Data
Check	1 Byte	XOR Check

When ACK is enabled, the host receives the decode data command and must reply ACK to the scan engine.

Toggle

When enabled, decoded data will be sent in packet format.



5 Keyboard Settings

5.1 keyboardlayout

In order to allow hosts in various countries to use the device, settings can be made by reading the “keyboard” of the corresponding country.



* USA



Belgium



Brazil, Portuguese (Brazilian ABNT)



Denmark



Finland



France



Austria, Germany



Greece



Hungary



Italy



latin america, south american countries



Netherlands



Norway



Poland



Portugal



Romania



Russia



Slovakia



Spain



Sweden



Türkiye F



Turkey Q



United Kingdom



Japan



Czech Republic



Thailand K



Ukraine



Arab Region 101



Croatia, Slovenia

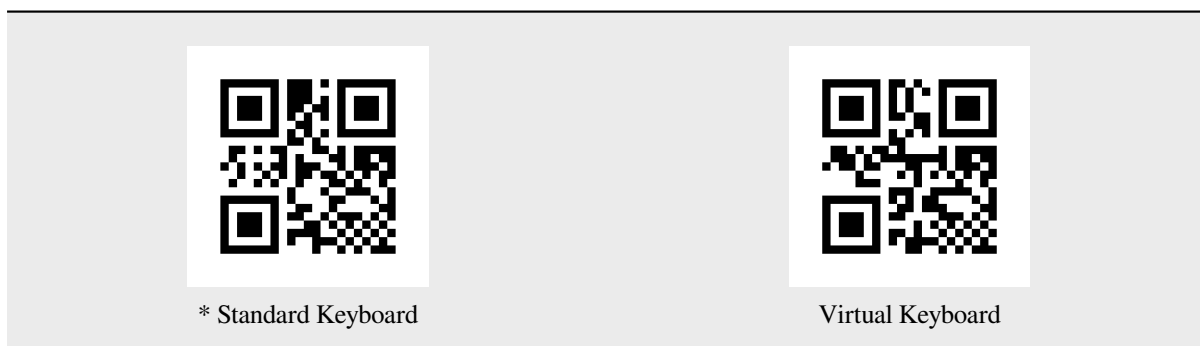


Korea



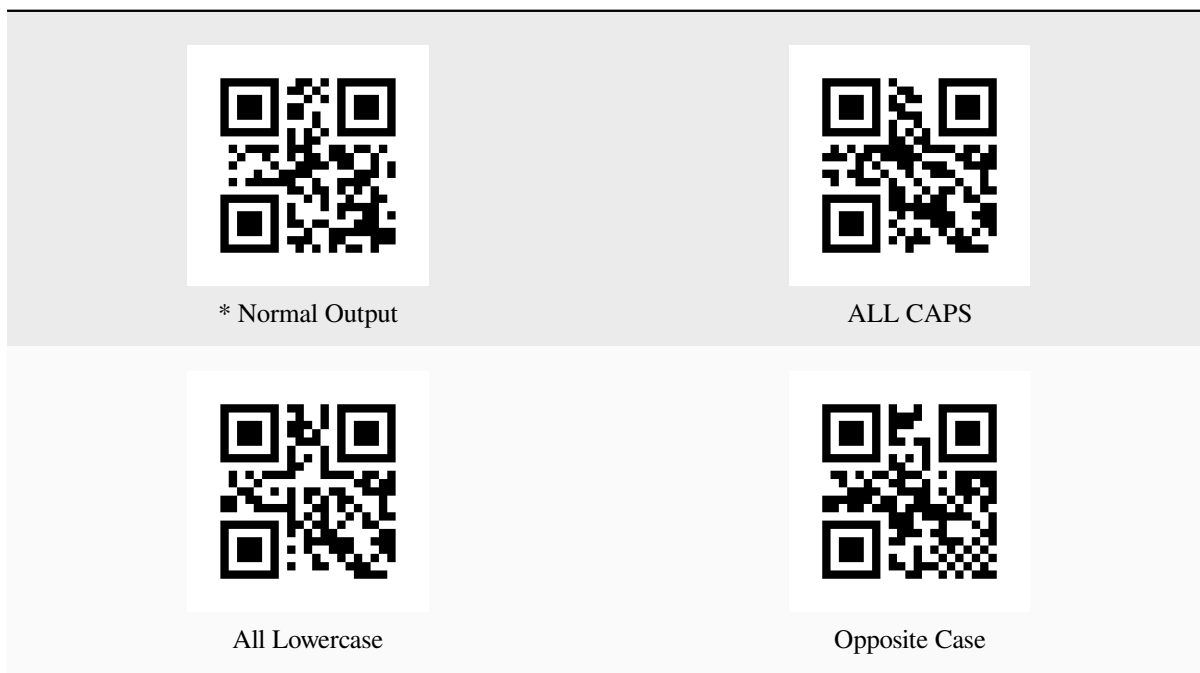
5.2 Keyboard Type

When the virtual keyboard is enabled, correct English letters, English symbols and numeric data can be output in any keyboard language mode. When using the virtual keyboard, you must ensure that the numeric keys on the small keyboard are enabled.



5.3 Keyboard Letter Case Conversion

Letter conversion, when outputting barcodes with letter content, the output result can be configured to be all uppercase or all lowercase. For example, if the barcode content is: ab123dE, if you scan the “convert to uppercase” barcode, the output result is: AB123DE; if you scan the “convert to lowercase” barcode, the output result is: abc123de; by default, uppercase and lowercase are not converted.



5.4 Keyboard Character Transmission Time Interval

We can improve compatibility and reduce the probability of data loss by setting the transmission time interval between keyboard characters. Time interval setting range: 0-65535ms, default value: 5ms.

Scan the “Character Transmission Interval” setting barcode



Character Transmission Time Interval

Scan the “Digital Setup Code” . For example, if the duration is 10ms, scan 1,0; if the duration is 100ms, scan 1,0,0.

Scan the “OK” setting barcode to end the setting



Sure

5.5 Quick Setting Of Keyboard Character Transmission Time Interval



5.6 Keyboard Control Character Output Mode

Control character (0x00-0x1F) output mode selection in ASCII code

Output function keys: Control characters are used as custom function keys. For specific functions, see [ASCII Code Comparison Table](#).

Output CTRL key combination: CTRL key combination mode outputs control characters. For specific functions, see [ASCII Code Comparison Table](#).

Output ALT+numeric keys: supports full control character output in Chinese environment. For specific functions, see [ASCII Code Comparison Table](#).

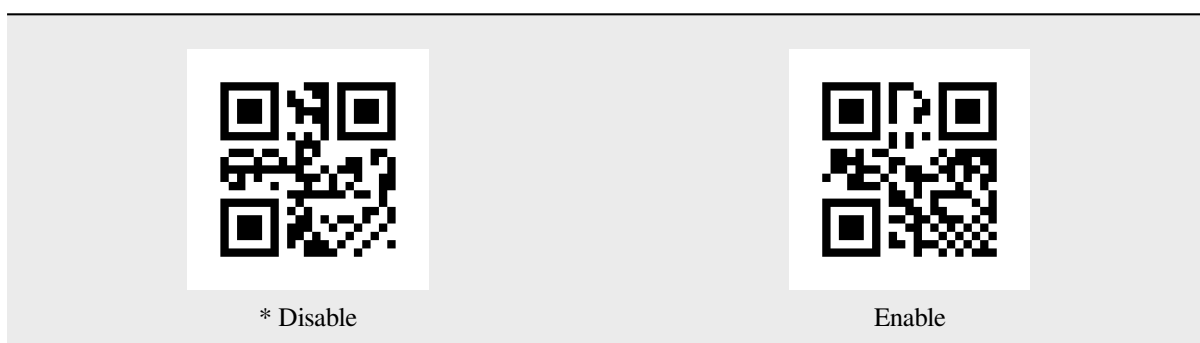


6 Data Editing

6.1 BarCode ID

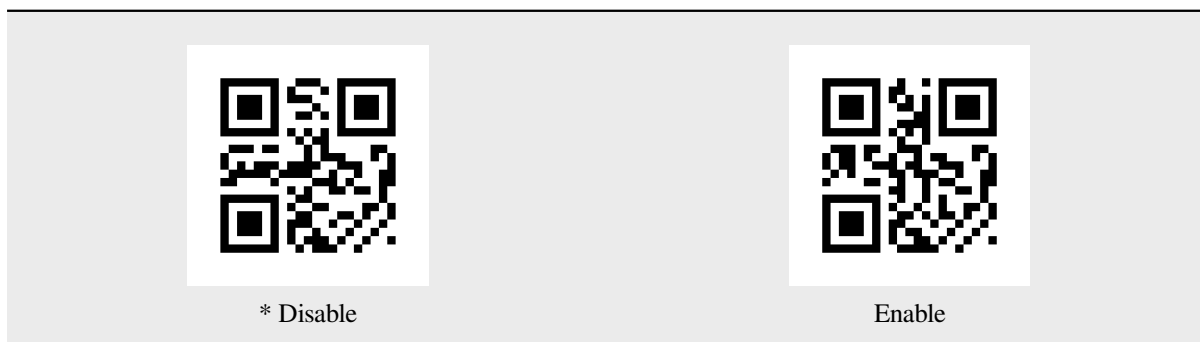
AIM ID

AIM is the abbreviation of Automatic Identification Manufacturers (Automatic Identification Manufacturers Association). AIM ID defines identification codes for various standard barcodes (users cannot customize AIM ID). For specific definitions, see Appendix C: AIM ID List. The scan engine can add this identification code in front of the barcode data after decoding. The format is: “j” + letter “C” + number “0” . For example, the AIM ID of Code 128 is “jC0” . Users can identify different barcode types through AIM ID.



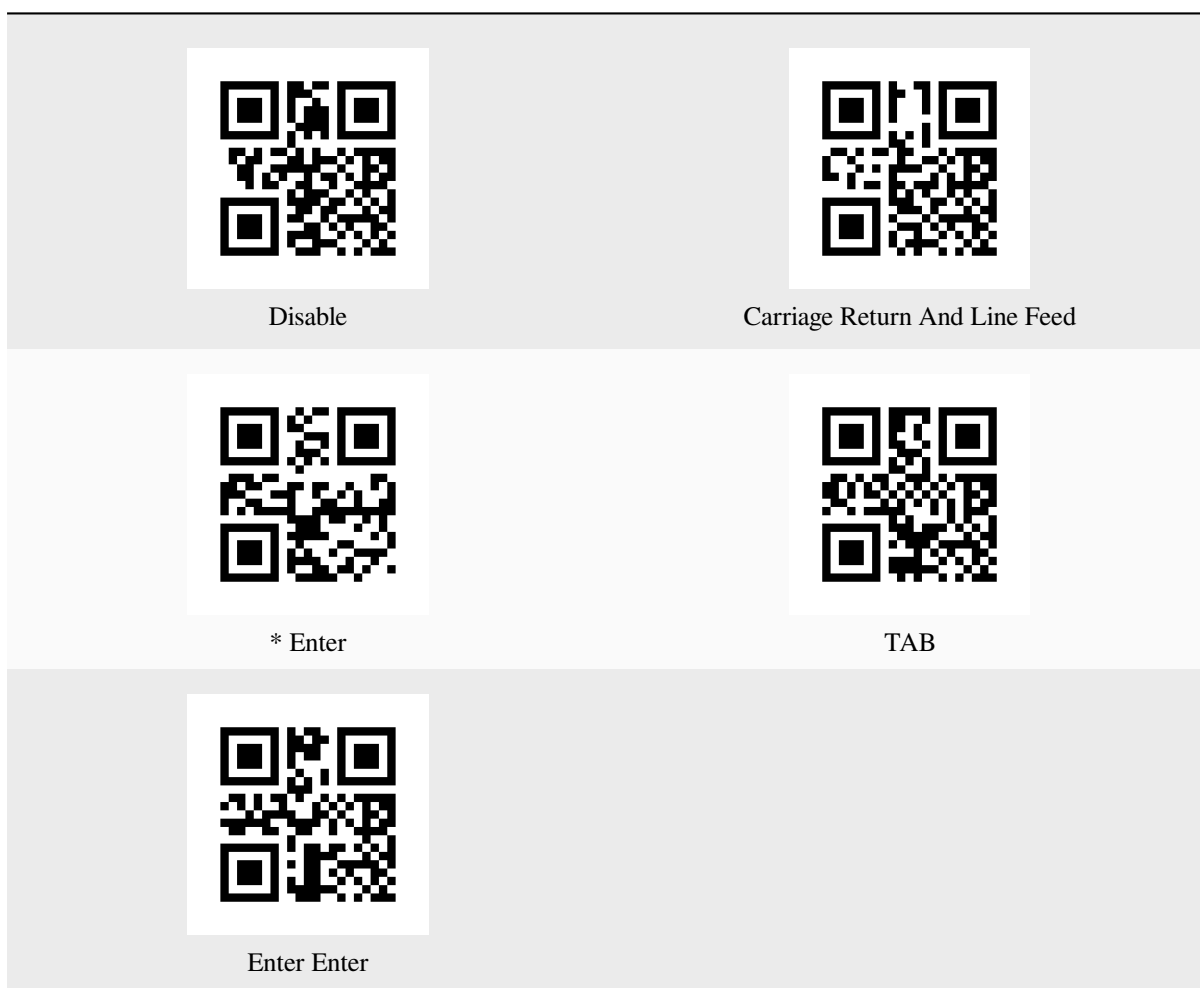
Code ID

Users can identify different barcode types through Code ID, which uses one character for identification. For specific definitions, see Appendix B: Code ID List



6.2 Suffix

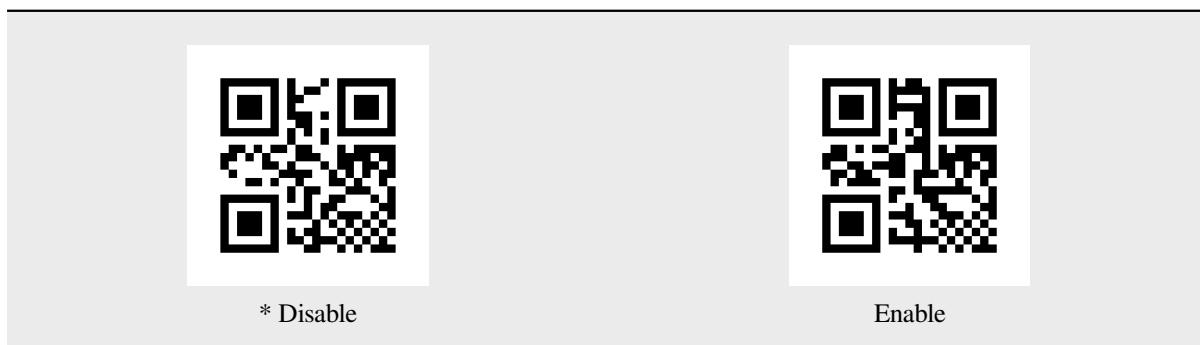
In order for the host to quickly distinguish the current decoding results, the function of adding end characters can be turned on, and the reading module will add the corresponding end characters after decoding the data.



6.3 Prefix

Prefix Switch

The prefix is a string that is customized and modified by the user before decoding the information. You can add a prefix by scanning the “Enable” setting barcode, and cancel the prefix by scanning “Disable” .



Prefix Content Settings

There are two methods for prefix setting. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible. Method two can scan the setting barcode in this manual according to the steps.

Method one:

Add the prefix setting barcode content format: >!010800XX. XX is the setting variable, XX is expressed in hexadecimal, two characters are one unit, and any shortage is filled with 0. It can be superimposed arbitrarily, and a maximum of 10-digit data prefix is supported.

For example: If you need to set the prefix character A, check the character comparison table in Appendix E. The hexadecimal value is 41, and the setting barcode content is: >!01080041.

For example: if you need to set the prefix characters A B C, check the character comparison table in Appendix E. The hexadecimal values are 41 42 43, then the setting barcode content is: >!010800414243.

Method two:

Scan the “Prefix Settings” setting barcode



Prefix Settings

Scan the “Digital Setting Code” in sequence, every two are a group.

For example: if you need to set the prefix character A, check the character comparison table in Appendix E. If the hexadecimal value is 41, scan 4 and 1 respectively.

For example: if you need to set the prefix character ABC, check the character comparison table in Appendix E. The hexadecimal value is 414243, then scan 4, 1, 4, 2, 4, 3 respectively.

Scan the “OK” setting barcode to end the setting.

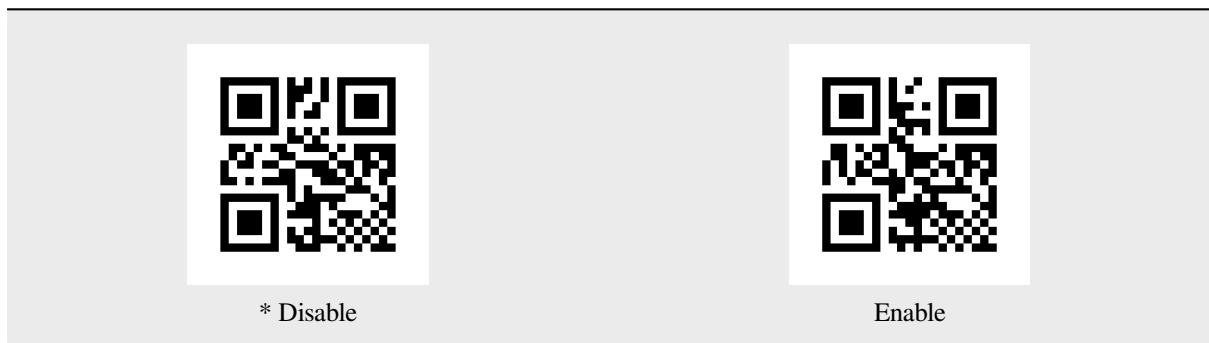


Sure

6.4 Suffix

Suffix Switch

The suffix is a string that is customized and modified by the user after decoding the information. The suffix can be added by scanning the “Enable” setting barcode, and the suffix can be canceled by scanning the “Disable” code.



Suffix Content Settings

There are two methods for suffix setting. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible to use. Method two can scan the setting barcode in this manual according to the steps.

Method one:

Add the suffix setting barcode content format: >!010801XX. XX is the setting variable, XX is expressed in hexadecimal, two characters are one unit, and any shortage is filled with 0. It can be superimposed arbitrarily, and a maximum of 10 suffixes are supported.

For example: If you need to set the suffix character A, check the character comparison table in Appendix E. The hexadecimal value is 41, and the setting barcode content is: >!01080141.

For example: if you need to set the suffix character ABC, check the character comparison table in Appendix E. The hexadecimal value is 414243, then the setting barcode content is: >!010801414243.

Method two:

Scan the “Suffix Settings” setting barcode



Suffix Settings

Scan the “Digital Setting Code” in sequence, every two are a group.

For example: if you need to set the suffix character A, check the character comparison table in Appendix E. If the hexadecimal value is 41, scan 4 and 1 respectively.

For example: if you need to set the suffix character ABC, check the character comparison table in Appendix E. The hexadecimal value is 414243, then scan 4, 1, 4, 2, 4, 3 respectively.

Scan the “OK” setting barcode to end the setting.



Sure

6.5 Add Prefix Based On Barcode Type

Add Prefix Switch Based On Barcode Type

The prefix is a string that is customized and modified by the user before decoding the information. You can add a prefix by scanning the “Enable” setting barcode, and cancel the prefix by scanning “Disable” .



* Disable



Enable

Add Prefix Content Settings Based On Barcode Type

There are two methods for setting the prefix content. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Add a prefix according to the barcode type. The content format of the setting barcode is: >!010806XXXX. XXXX is a setting variable. The first two XX represent the barcode type. The relevant hexadecimal value can be found according to Appendix F. The following XX is expressed in hexadecimal. Two characters are one unit. The insufficient ones are filled with 0. They can be superimposed arbitrarily. The maximum support is 10-digit data prefix.

For example: you need to set the Code 128 barcode prefix character A. According to Appendix F, the hexadecimal value of Code 128 is 01. Check the character comparison table in Appendix E. The hexadecimal value of character A is 41, so the setting barcode content is: >!0108060141.

For example: you need to set the Code 128 barcode prefix characters A B C. According to Appendix F, the hexadecimal value of Code 128 is 01. Check the character comparison table in Appendix E. The hexadecimal characters of A B C are 41 42 43 respectively. Then the setting barcode content is: >!01080601414243.

Method two:

Scan the “Prefix Settings” setting barcode



Prefix Settings

Set the barcode type and scan the “Number Setting Code” in sequence, each two as a group.

For example: you need to set a prefix for Code 128. According to the barcode type in Appendix F, the hexadecimal value of the barcode type of Code 128 is 01, then scan 0 and 1 respectively.

Set the prefix content and scan the “Digital Setting Code” in sequence, every two are a group.

For example: if you need to set the prefix character A, check the character comparison table in Appendix E. The hexadecimal value of character A is 41, so scan 4 and 1 respectively.

Scan the “OK” setting barcode to end the setting



Sure

Clear Prefix by Barcode Type

Clear the prefix that has been set. There are two methods to clear the prefix. The first method requires the user to generate a QR code, which is more flexible for more users. The second method can scan the setting barcode in this manual according to the steps.

Method one:

The content format of clear prefix setting barcode according to the barcode type is: >!010808XX. XX is the setting variable, XX indicates the barcode type using hexadecimal, two characters are one unit, and any shortage is filled with 0. The relevant hexadecimal values can be found in Appendix F.

For example: you need to clear the Code 128 barcode prefix. According to Appendix F, the hexadecimal value of Code 128 is 01, then the setting barcode content is: >!01080801.

Method two:

Scan the “Clear Prefix” setting barcode



Clear Prefix

Clear the barcode type and scan the “Digital Setting Code” in sequence, each two as a group.

For example: you need to clear the Code 128 prefix. According to the barcode type in Appendix F, the hexadecimal value of the barcode type of Code 128 is 01, then scan 0 and 1 respectively.

Scan the “OK” setting barcode to end the setting.



Sure

6.6 Add Suffix Based On Barcode Type

Add Suffix Switch According To Barcode Type

The suffix is a string that is customized and modified by the user after decoding the information. The suffix can be added by scanning the “Enable” setting barcode, and the suffix can be canceled by scanning the “Disable” code.



* Disable



Enable

Add Suffix Content Settings According To Barcode Type

There are two methods for setting the suffix content. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Add a suffix according to the barcode type. The content format of the setting barcode is: >!010807XXXX. Among them, XXXX is a setting variable. The first two XX represent the barcode type. The relevant hexadecimal value can be found in Appendix F. The following XX is expressed in hexadecimal. Two characters are one unit. The missing ones are filled with 0. They can be superimposed arbitrarily. The maximum support is 10-digit data suffix.

For example: you need to set the Code 128 barcode suffix character A. According to Appendix F, the hexadecimal value of Code 128 is 01. Check the character comparison table in Appendix E. The hexadecimal value of character A is 41, so the setting barcode content is: >!0108070141.

For example: you need to set the Code 128 barcode suffix characters A B C. According to Appendix F, the hexadecimal value of Code 128 is 01. Check the character comparison table in Appendix E. The hexadecimal characters of A B C are 41 42 43 respectively. Then the setting barcode content is: >!01080701414243.

Method two:

Scan the “Suffix Settings” setting barcode



Suffix Settings

Set the barcode type and scan the “Number Setting Code” in sequence, each two as a group.

For example: you need to set a suffix for Code 128. According to the barcode type in Appendix F, the hexadecimal value of the barcode type of Code 128 is 01, then scan 0 and 1 respectively.

Set the suffix content and scan the “Digital Setting Code” in sequence, every two are a group.

For example: if you need to set the suffix character A, check the character comparison table in Appendix E. The hexadecimal value of character A is 41, so scan 4 and 1 respectively.

Scan the “OK” setting barcode to end the setting



Sure

Clear Suffix by Barcode Type

Clear the suffix that has been set. There are two methods to clear the suffix. The first method requires the user to generate a QR code, which is more flexible for more users. The second method can scan the setting barcode in this manual according to the steps.

Method one:

The content format of clearing the suffix setting barcode according to the barcode type is: >!010809XX. XX is the setting variable, XX indicates the barcode type using hexadecimal, two characters are one unit, and any shortage is filled with 0. The relevant hexadecimal values can be found in Appendix F.

For example: you need to clear the Code 128 barcode suffix. According to Appendix F, the hexadecimal value of Code 128 is 01, then the setting barcode content is: >!01080901.

Method two:

Scan the “Clear Suffix” setting barcode



Clear Suffix

Clear the barcode type and scan the “Digital Setting Code” in sequence, each two as a group.

For example: you need to clear the suffix of Code 128. According to the barcode type in Appendix F, the hexadecimal value of the barcode type of Code 128 is 01, then scan 0 and 1 respectively.

Scan the “OK” setting barcode to end the setting

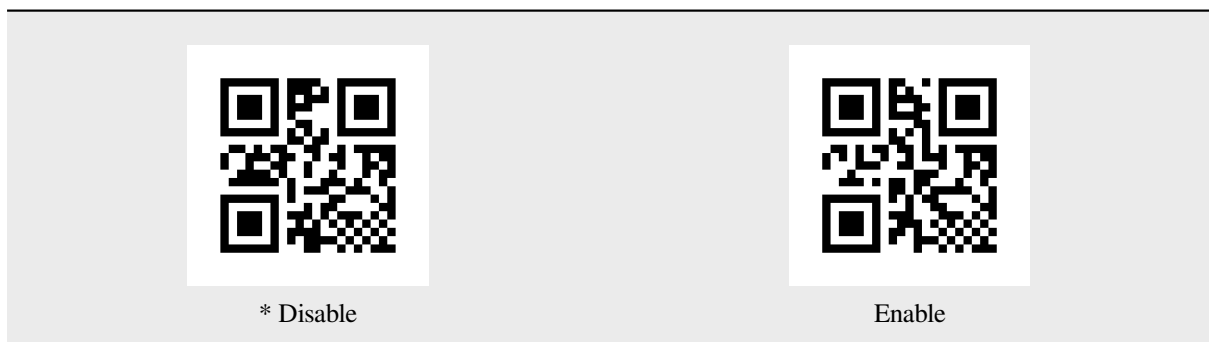


Sure

6.7 Hide Fixed Characters

This function can hide strings that the user does not need to output based on needs.

Hide Fixed Character Switch



Hide Fixed Character Settings

There are two methods for hiding fixed character settings. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible to use. Method two can scan the setting barcode in this manual according to the steps.

Method one:

Hide fixed character setting barcode content format: >!010802XX. XX is a setting variable, XX is expressed in hexadecimal, two characters are one unit, and any shortage is filled with 0. It can be superimposed arbitrarily, with a maximum of 20 digits.

For example: if you need to set the hidden character A, check the character comparison table in Appendix E. The hexadecimal value is 41, and the setting barcode content is: >!01080241.

For example: if you need to set the hidden character ABC, check the character comparison table in Appendix E. The hexadecimal value is 414243, then the setting barcode content is: >!010802414243.

Method two:

Scan the “Hide Fixed Characters” setting barcode



Hide Fixed Characters

Scan the “Digital Setting Code” in sequence, every two are a group.

For example: if you need to hide character A, check the character comparison table in Appendix E. If the hexadecimal value is 41, scan 4 and 1 respectively.

For example: If you need to hide line breaks, check the character comparison table in Appendix E. If the hexadecimal value is 0A, scan 0 and A respectively.

Scan the “OK” setting barcode to end the setting



Sure

6.8 Keep Barcode Data Based On Length

This function can retain the data required by the user in the barcode according to needs.

Keep Data Switch



* Disable



Forward Index



Reverse Index

Note

Forward index (from the front end of the data to the starting position); reverse index (from the back end of the data to the starting position)

Keep Data Starting Position

There are two methods for initial setting. Method one requires the user to generate a QR code, which is more flexible for more users. Method two can scan the setup code in this manual according to the steps.

Method one:

The starting position setting barcode content format is: >!00102AXX. XX is the setting variable, and the decimal range is 1-65535.

For example: if the starting position is set to 11, the setting barcode content is: >!00102A11.

Method two:

Scan the “Start Position” setting barcode



Starting Position

Scan the “Number Setting Code” , starting from the number, scan the corresponding number setting barcode. For example, for the 11th digit, scan 1,1; for the 100th digit, scan 1,0,0.

Scan the “OK” setting barcode to end the setting



Sure

Keep Data End Position

There are two methods to end the settings. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setup code in this manual according to the steps.

Method one:

The content format of the end position setting barcode is: >!00102BXX. XX is the setting variable, and the decimal range is 1-65535.

For example: if the end position is set to 50, the setting barcode content is: >!00102B50.

Method two:

Scan the “End Position” setting barcode



End Position

Scan the “Number Setting Code” , start from the end number, and scan the corresponding number setting barcode. For example, for the 50th position, scan 5,0.

Scan the “OK” setting barcode to end the setting



Sure

6.9 Hide Barcode Data Based On Length

This function can hide the data in the barcode that the user does not need according to the needs.

Hide Barcode Data Switch



* Disable



Forward Index



Reverse Index

Note

Forward index (from the front end of the data to the starting position); reverse index (from the back end of the data to the starting position)

Hide Starting Position Of Barcode Data

There are two methods for initial setting. Method one requires the user to generate a QR code, which is more flexible for more users. Method two can scan the setup code in this manual according to the steps.

Method one:

The content format of the starting position setting barcode is: >!001027XX. Among them, XX is the setting variable, and the decimal range is 1-65535.

For example: if the starting position is set to 11, the setting barcode content is: >!00102711.

Method two:

Scan the “Start Position” setting barcode



Starting Position

Scan the “Number Setting Code” , starting from the number, scan the corresponding number setting barcode. For example, for the 11th digit, scan 1,1; for the 100th digit, scan 1,0,0.

Scan the “OK” setting barcode to end the setting



Sure

Hide Barcode Data End Position

There are two methods to end the settings. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setup code in this manual according to the steps.

Method one:

The content format of the end position setting barcode is: >!001028XX. XX is the setting variable, and the decimal range is 1-65535.

For example: if the end position is set to 50, the setting barcode content is: >!00102850.

Method two:

Scan the “End Position” setting barcode



End Position

Scan the “Number Setting Code” , start from the end number, and scan the corresponding number setting barcode. For example, for the 11th position, scan 1,1;

For the 100th position, scan 1,0,0.

Scan the “OK” setting barcode to end the setting



Sure

6.10 Hide Barcode Data Of Any Length Based On Barcode Type

This function can hide data that users do not need in the barcode according to the barcode type according to the needs.

Hide Barcode Data Switch Based On Barcode Type



* Disable



Forward Index



Reverse Index

Note

Forward index (from the front end of the data to the starting position); reverse index (from the back end of the data to the starting position)

Hide Data Starting Position Based On Barcode Type

There are two methods for initial setting. Method one requires the user to generate a QR code, which is more flexible for more users. Method two can scan the setup code in this manual according to the steps.

Method one:

The content format of the starting position of hidden data according to the barcode type is: >!01080AXXXX. Among them, XXXX is a setting variable. The first two XX represent the barcode type. The relevant hexadecimal value can be found according to Appendix F. The following XX is expressed in hexadecimal. Two characters are one unit. The missing ones are filled with 0. The length range is 0x0000-0xFFFF.

For example: you need to hide the starting position of Code 128 and set it to 11. According to Appendix F, the hexadecimal value of Code 128 is 01 and the hexadecimal value of 11 is 0B. Then the setting barcode content is: >!01080A010B.

Method two:

Scan the “Barcode Type and Starting Position” setting barcode



Barcode Type And Starting Position

Set the barcode type and scan the “Number Setting Code” in sequence, each two as a group.

For example: Code 128 needs to be hidden. According to the barcode type in Appendix F, the hexadecimal value of the barcode type of Code 128 is 01, so scan 0 and 1 respectively.

Set the starting position and scan the “digital setting barcodes” in sequence, every two as a group.

The usage here refers to hexadecimal. For example, the 11th digit is hexadecimal 0B, scan 0, B; the 100th digit, hexadecimal 64, scan 6, 4.

Scan the “OK” setting barcode to end the setting



Sure

Hide Data End Position Based On Barcode Type

There are two methods to end the settings. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setup code in this manual according to the steps.

Method one:

The content format of the end position of the hidden data according to the barcode type is: >!01080BXXXX. XXXX is a setting variable. The first two XX represent the barcode type. The relevant hexadecimal value can be found according to Appendix F. The following XX is expressed in hexadecimal. Two characters are one unit. The insufficient ones are filled with 0. The length range is 0x0000-0xFFFF.

For example: you need to hide the end position of Code 128 and set it to 100. According to Appendix F, the hexadecimal value of Code 128 is 01 and the hexadecimal value of 100 is 64. Then the setting barcode content is: >!01080B0164.

Method two:

Scan the “Barcode Type and End Position” setting barcode



Barcode Type And End Position

Set the barcode type and scan the “Number Setting Code” in sequence, each two as a group.

For example: Code 128 needs to be hidden. According to the barcode type in Appendix F, the hexadecimal value of the barcode type of Code 128 is 01, so scan 0 and 1 respectively.

Set the end position and scan the “digital setting barcodes” in sequence, every two as a group.

The usage here refers to hexadecimal. For example, the 11th digit is hexadecimal 0B, scan 0, B; the 100th digit, hexadecimal 64, scan 6, 4.

Scan the “OK” setting barcode to end the setting

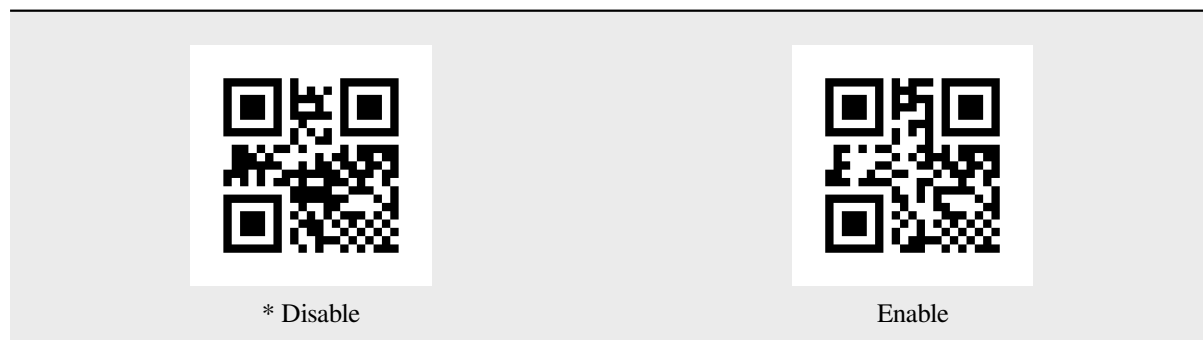


Sure

6.11 Hide Any Length Of Data At The Bottom Of The Barcode Based On The Barcode Type

This function can hide barcode data of any length that is not needed in the header according to the barcode type as required.

Hide Arbitrary Length Data Switch At The Bottom Of Barcode According To Barcode Type



Hide The Bottom Of The Barcode To Any Length According To The Barcode Type

There are two ways to set the length. Method one requires the user to generate a QR code, which is more flexible for more users. Method two can scan the setting barcode in this manual according to the steps.

Method one:

The length format of data of any length hidden at the bottom of the barcode according to the barcode type is: >!01080CXXXX. Among them, XXXX is a setting variable. The first two XX represent the barcode type. The relevant hexadecimal value can be found in Appendix F. The following XX is expressed in hexadecimal. Two characters are one unit, and any shortage is filled with 0. The length range is 0x0000-0xFFFFF.

For example: it is necessary to hide the data with a header length of 15 in Code 128. According to Appendix F, the hexadecimal value of Code 128 is 01 and the hexadecimal value of 15 is 0F. Then the setting barcode content is: >!01080C010F.

Method two:

Scan the “Barcode Type and Length” setting barcode



Barcode Type And Length

Set the barcode type and scan the “Number Setting Code” in sequence, each two as a group.

For example: Code 128 needs to be hidden. According to the barcode type in Appendix F, the hexadecimal value of the barcode type of Code 128 is 01, so scan 0 and 1 respectively.

Set the length and scan the “digital setting barcode” in sequence, every two are a group.

The usage here refers to hexadecimal. For example, if the length is 11, hexadecimal 0B, scan 0, B; if the length is 100, hexadecimal 64, scan 6,4.

Scan the “OK” setting barcode to end the setting

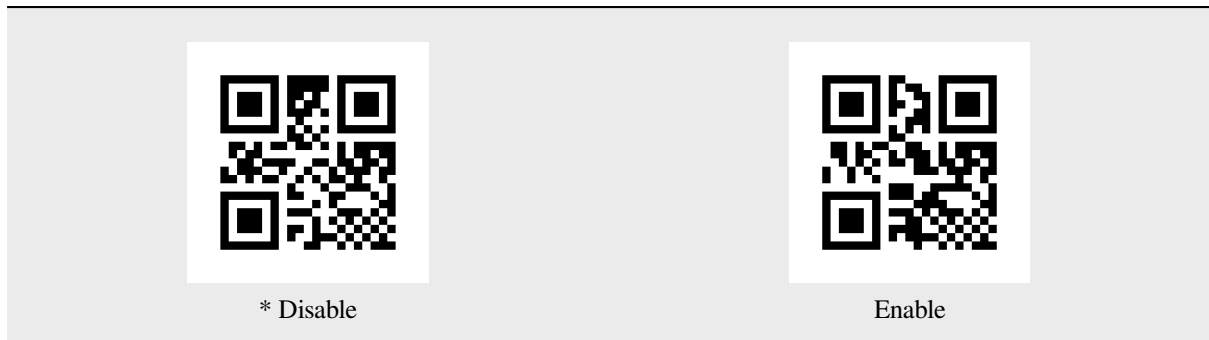


Sure

6.12 Hide Any Length Of Data At The End Of The Barcode According To The Barcode Type

This function can hide barcode data of any length that is not needed at the tail according to the barcode type as required.

Hide Any Length Data Switch At The End Of The Barcode According To The Barcode Type



Hide Any Length Of The Barcode Tail According To The Barcode Type

There are two ways to set the length. Method one requires the user to generate a QR code, which is more flexible for more users. Method two can scan the setting barcode in this manual according to the steps.

Method one:

The length format of hiding any length of data at the end of the barcode according to the barcode type is: >!01080DXXXX. Among them, XXXX is a setting variable. The first two XX represent the barcode type. The relevant hexadecimal value can be found in Appendix F. The following XX is expressed in hexadecimal. Two characters are one unit, and any shortage is filled with 0. The length range is 0x0000-0xFFFF.

For example: it is necessary to hide the data with a tail length of 12 in Code 128. According to Appendix F, the hexadecimal value of Code 128 is 01 and the hexadecimal value of 12 is 0C. Then the setting barcode content is: >!01080D010C.

Method two:

Scan the “Barcode Type and Length” setting barcode



Barcode Type And Length

Set the barcode type and scan the “Number Setting Code” in sequence, each two as a group.

For example: Code 128 needs to be hidden. According to the barcode type in Appendix F, the hexadecimal value of the barcode type of Code 128 is 01, so scan 0 and 1 respectively.

Set the length and scan the “digital setting barcode” in sequence, every two are a group.

The usage here refers to hexadecimal. For example, if the length is 11, hexadecimal 0B, scan 0, B; if the length is 100, hexadecimal 64, scan 6,4.

Scan the “OK” setting barcode to end the setting

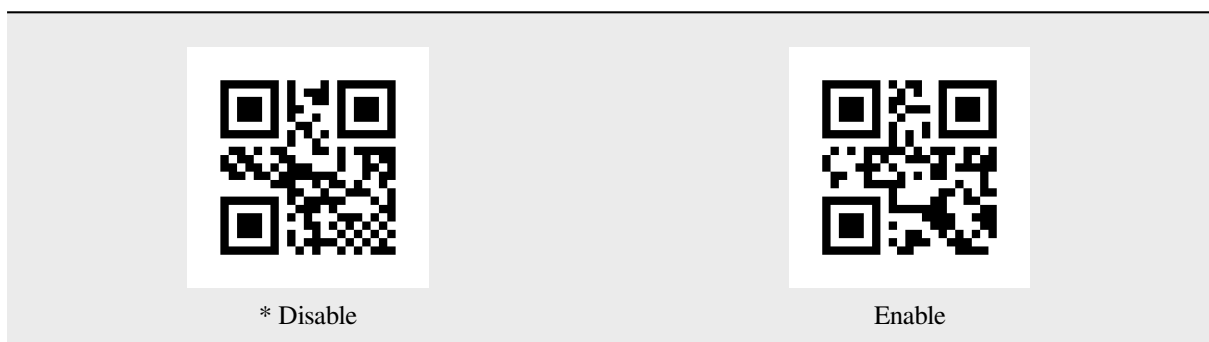


Sure

6.13 Insert Custom Data

This function can insert user-defined data at any position in the barcode data according to requirements.

Insert Custom Data Switch



Custom Data

There are two methods for customizing data. The first method requires the user to generate a QR code, which tends to set up more users and is more flexible to use. The second method can scan the setting barcode in this manual according to the steps.

Method one:

The content format of the custom inserted data setting barcode: >!010803XX. XX is the setting variable, XX is expressed in hexadecimal, two characters are one unit, and any shortage is filled with 0. It can be superimposed arbitrarily, and a maximum of 20 digits of custom data are supported.

For example: If you need to insert custom data A, check the character comparison table in Appendix E. The hexadecimal value is 41, and the setting barcode content is: >!01080341.

For example: if you need to insert custom data ABC, check the character comparison table in Appendix E. The hexadecimal value is 414243, then the setting barcode content is: >!010803414243.

Method two:

Scan the “custom data” setup code



Custom Data

Scan the “Digital Setting Code” in sequence, every two are a group.

For example: If you need to insert custom data A, check the character comparison table in Appendix E. If the hexadecimal value is 41, scan 4 and 1 respectively.

For example: if you need to insert custom data ABC, check the character comparison table in Appendix E. The hexadecimal value is 414243, then scan 4, 1, 4, 2, 4, 3 respectively.

Scan the “OK” setting barcode to end the setting



Sure

Insertion Position

There are two methods for setting the insertion position. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Insert the position setting barcode content format: >!00102EXX. XX is the setting variable, the decimal range is 1-65535.

For example: if the insertion position is set to 11, the setting barcode content is: >!00102E11.

Method two:

Scan the “Insert Position” setting barcode



Insertion Position

Scan the “digital setting barcode” , insert the position, and scan the corresponding digital setting barcode.
For example, for the 11th position, scan 1,1;

For the 100th position, scan 1,0,0.

Scan the “OK” setting barcode to end the setting



Sure

6.14 Data Replacement

This function can replace the data in the original string with any data according to requirements.

Data Replacement Switch



* Disable



Enable

Replaced Data Settings

There are two methods for setting the replaced data. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

The content format of the replaced data setting barcode is: >!010804XX. XX is the setting variable, and XX is expressed in hexadecimal. Two characters are one unit, and any shortage is filled with 0. It can be superimposed arbitrarily, and the maximum support is 20 digits.

For example: for the replaced data A, check the character comparison table in Appendix E. The hexadecimal value is 41, and the setting barcode content is: >!01080441.

For example: for the replaced data ABC, check the character comparison table in Appendix E. The hexadecimal value is 414243, and the setting barcode content is: >!010804414243.

Method two:

Scan the “replaced data” setting barcode



Data To Be Replaced

Scan the “Digital Setting Code” in sequence, every two are a group.

For example: for the replaced data A, check the character comparison table in Appendix E. If the hexadecimal value is 41, scan 4 and 1 respectively.

For example: if the replaced data is newline, check the character comparison table in Appendix E. If the hexadecimal is 0A, scan 0 and A respectively.

Scan the “OK” setting barcode to end the setting



Sure

Replace Data Settings

There are two methods for replacing data settings. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible. Method two can scan the setting barcode in this manual according to the steps.

Method one:

Replacement data setting barcode content format: >!010805XX. XX is the setting variable, XX is expressed in hexadecimal, two characters are one unit, and any shortage is filled with 0. It can be superimposed arbitrarily, and the maximum support is 20 digits.

For example: Data A replaces the original data, check the character comparison table in Appendix E, the hexadecimal value is 41, then the setting barcode content is: >!01080541.

For example: data ABC replaces the original data, check the character comparison table in Appendix E, the hexadecimal value is 414243, then the setting barcode content is: >!010805414243.

Method two:

Scan the “Replace Data” setup code



Replace Data

Scan the “Digital Setting Code” in sequence, every two are a group.

For example: Data A replaces the original data. Check the character comparison table in Appendix E. If the hexadecimal value is 41, scan 4 and 1 respectively.

For example: To replace the original data with newline data, check the character comparison table in Appendix E. If the hexadecimal is 0A, scan 0 and A respectively.

Scan the “OK” setting barcode to end the setting



Sure

6.15 Line Feed And Carriage Return

Line feed (\n) and carriage return line feed (\r\n) are both converted to carriage return (\r).



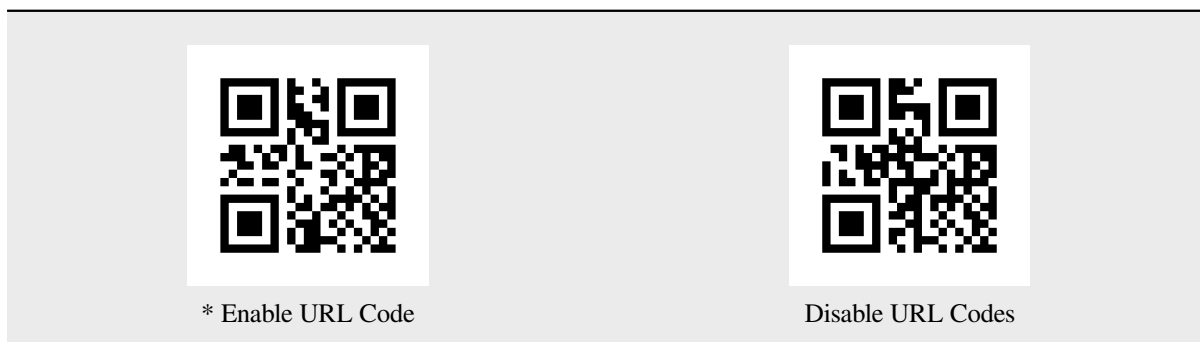
* Disable



Enable

6.16 URL Switch

To prevent barcodes with URL information from being mistakenly scanned when scanning product barcodes, or in some other special applications, this function can disable the recognition of barcodes with URL information as needed.



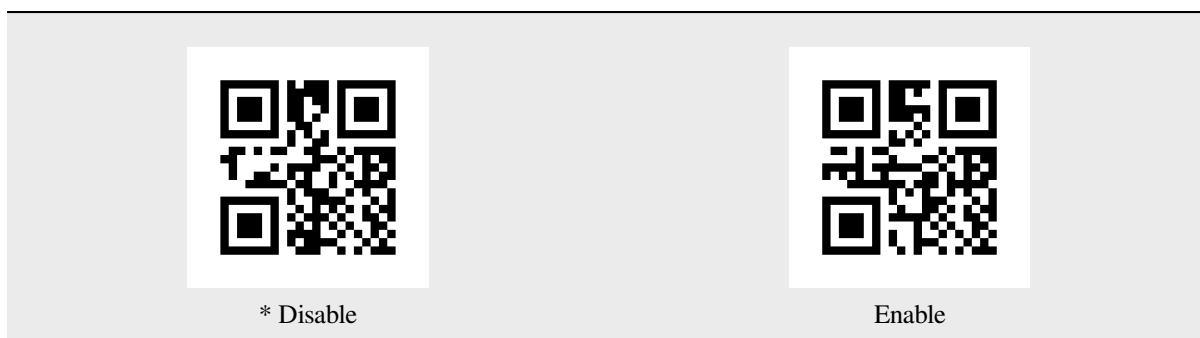
6.17 Invoicing Function

In order to use this module normally in the invoicing system, users can convert and output the invoice code format by scanning the following setting barcode.

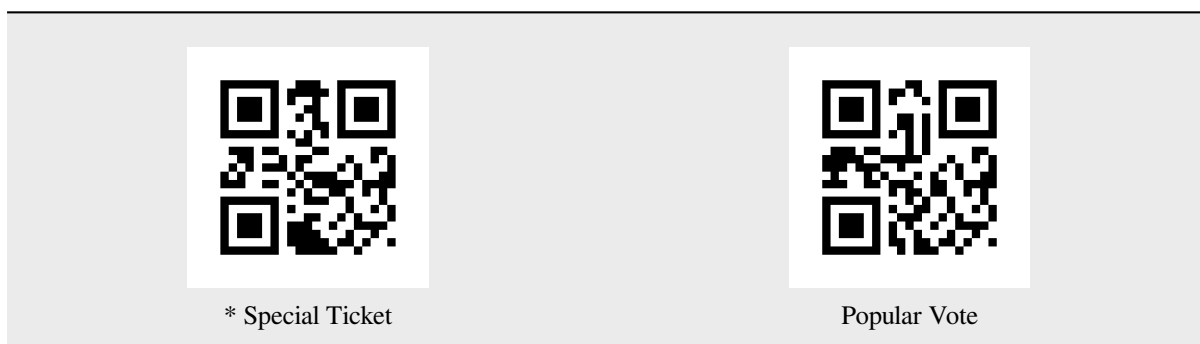
Note

This function supports Alipay QR code invoicing, but does not support WeChat QR code invoicing.

Invoicing Function Switch

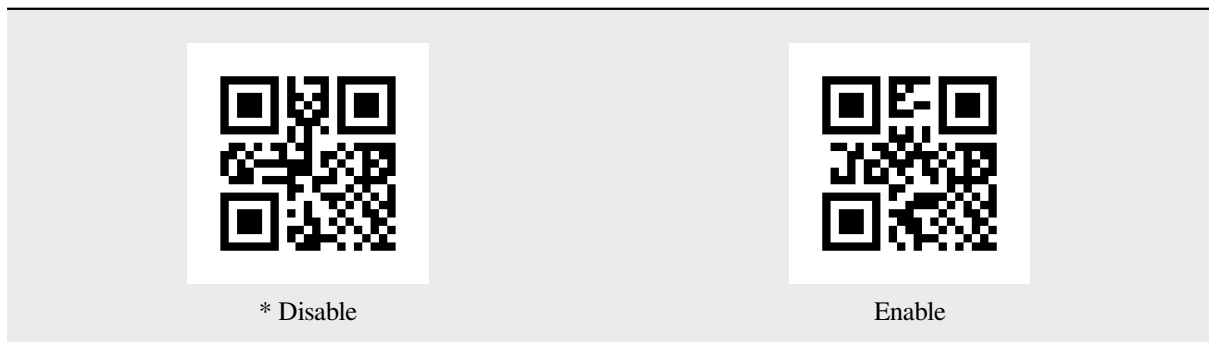


Invoice type



6.18 GS1 Rules Enabled

Enable GS1 rules and enclose AI segments in parentheses.

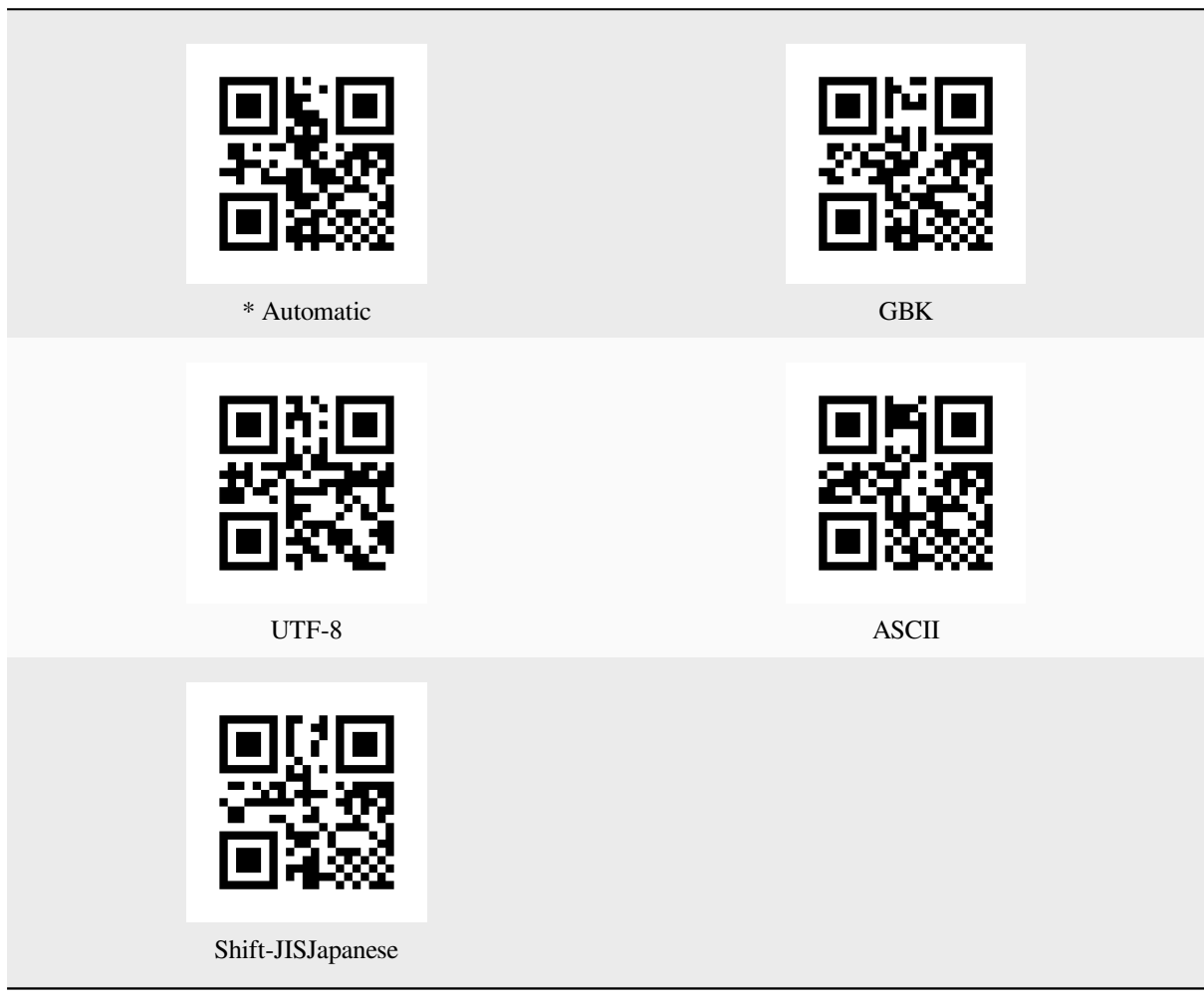


7 Character Settings

7.1 Character Set

Input Character Set

In order for the scan engine to correctly know the character set of the barcode data, it can be set by reading the “input character set” .



Output Character Set

In order to meet the needs of the host character set, you can set it by reading the “output character set” .



8 Barcode Settings

8.1 Barcode Global Operations

Global Switch



1D Code Global Switch

	
Disable	Enable
	
* Default	

QR Code Global Switch

	
Disable	Enable
	
* Default	

Barcode Security Level

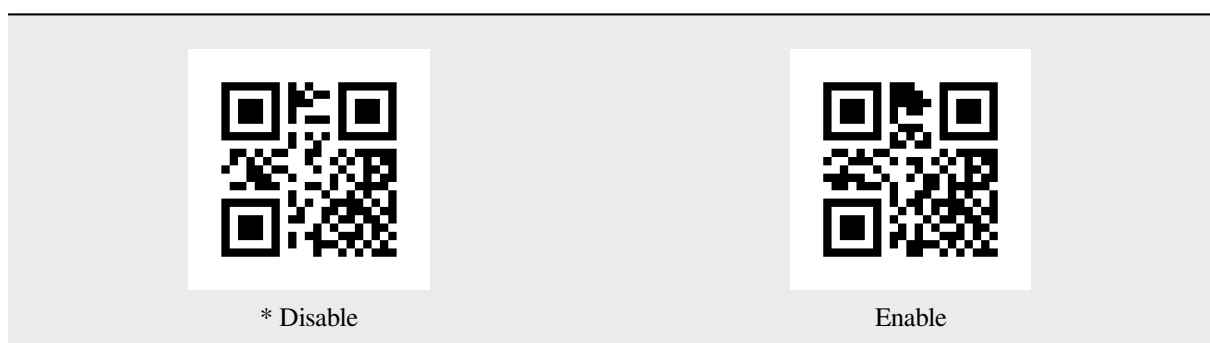
In order to solve the problem of possible code errors in barcode reading under extreme circumstances, 5 security levels are provided here. The higher the level, the worse the reading experience will be.



Multi-code Identification

In special application scenarios, multiple barcodes need to be read at the same time. Reading the following setting barcode will enable/disable multi-code reading.

Must Read Multiple Codes



Read Multiple Codes

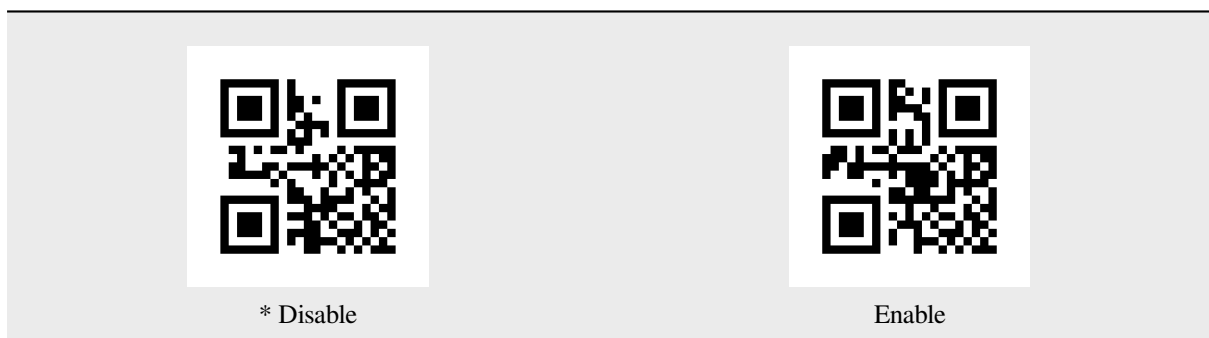


Global Invert Color Switch

Read the following setting barcode to enable/disable barcode inversion reading.

Note

The global inverse color switch will have a greater impact on the performance of the reading equipment. Commonly used barcodes have separate inverse color switches. It is recommended to turn them on separately.



Partial Inverse Color Switch

Code 128 Reverse Color Switch

Read the following setting barcode to enable/disable reverse color reading of Code 128 barcodes. This setting is also valid for GS1-128

 * Disable	 Enable
--	--

EAN/UPC Color Inversion Switch

Read the following setting barcode to enable/disable reverse color reading of EAN/UPC barcodes.

 * Disable	 Enable
--	--

ITF25 Reverse Color Switch

Read the following setting barcode to enable/disable reverse color reading of ITF25 barcodes.

 * Disable	 Enable
--	--

Code 39 Reverse Color Switch

Read the following setting barcode to enable/disable reverse color reading of Code 39 barcodes.

 * Disable	 Enable
--	--

Codabar Reverse Color Switch

Read the following setting barcode to enable/disable reverse color reading of Codabar barcodes.

 * Disable	 Enable
---	---

Code 93 Reverse Color Switch

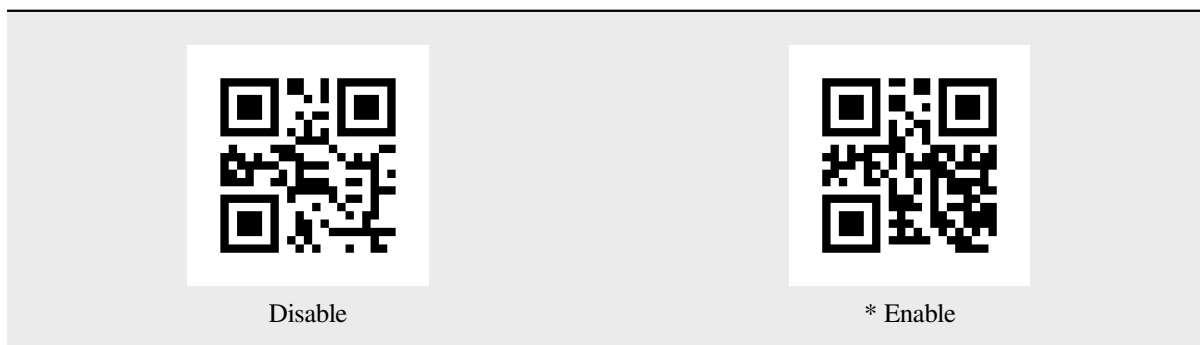
Read the following setting barcode to enable/disable reverse color reading of Code 93 barcodes.

 * Disable	 Enable
--	--

8.2 Code 128

Code 128 Switch

Read the following setting barcode to enable/disable reading of Code 128 barcodes.



Code 128 Minimum Length

There are two methods for setting the minimum length of Code 128. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Code 128 Minimum length setting barcode content format: >!000012XX. XX is a setting variable, with a decimal range of 0-255.

For example: Code 128 minimum length is set to 2, then the setting barcode content is: >!0000122.

For example: Code 128 minimum length is set to 12, then the setting barcode content is: >!00001212.

Method two:

Scan the “Code 128 Minimum Length” setting barcode



Code 128 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

Code 128 Maximum Length

There are two methods for setting the maximum length of Code 128. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Code 128 Maximum length setting barcode content format: >!000013XX. XX is a setting variable with a decimal range of 0-255.

For example: if the maximum length of Code 128 is set to 9, then the setting barcode content is: >!0000129.

For example: Code 128 maximum length is set to 20, then the setting barcode content is: >!00001220.

Method two:

Scan the “Code 128 Maximum Length” setting barcode



Code 128 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

Code 128 Security Level

The higher the barcode security level, the lower the error rate, and the code reading effect will also be affected to a certain extent.



* Low



Medium



High

8.3 UCC/EAN-128/GS1-128

GS1 128 Switch

Read the following setting barcode to enable/disable reading of the GS1 128 barcode.



Disable



* Enable

GS1 128 Minimum Length

There are two methods for setting the minimum length of GS1 128. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

GS1 128 minimum length setting barcode content format: >!000022XX. XX is a setting variable with a decimal range of 0-255.

For example: if the minimum length of GS1 128 is set to 2, then the setting barcode content is: >!0000222.

For example: if the minimum length of GS1 128 is set to 12, then the setting barcode content is: >!00002212.

Method two:

Scan the “GS1 128 minimum length” setting barcode



GS1 128 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

GS1 128 Maximum Length

There are two methods for setting the maximum length of GS1 128. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible. Method two can scan the setting barcode in this manual according to the steps.

Method one:

GS1 128 maximum length setting barcode content format: >!000023XX. XX is a setting variable with a decimal range of 0-255.

For example: if the maximum length of GS1 128 is set to 9, then the setting barcode content is: >!0000239.

For example: if the maximum length of GS1 128 is set to 20, then the setting barcode content is: >!00002320.

Method two:

Scan the “GS1 128 maximum length” setting barcode



GS1 128 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

8.4 EAN-8

EAN-8 Switch

Read the following setting barcode to enable/disable EAN-8 barcode reading.



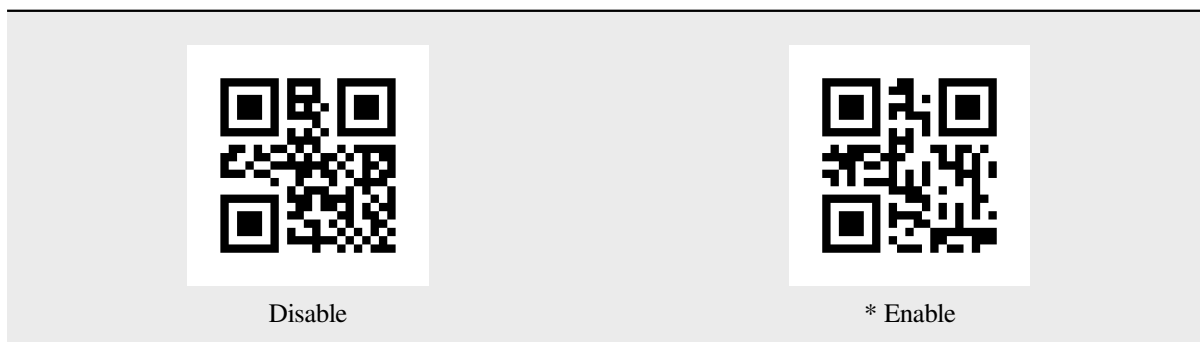
Disable



* Enable

EAN-8 Check Digit Transmission

Read the following setting barcode to set whether EAN-8 transmits the check digit.



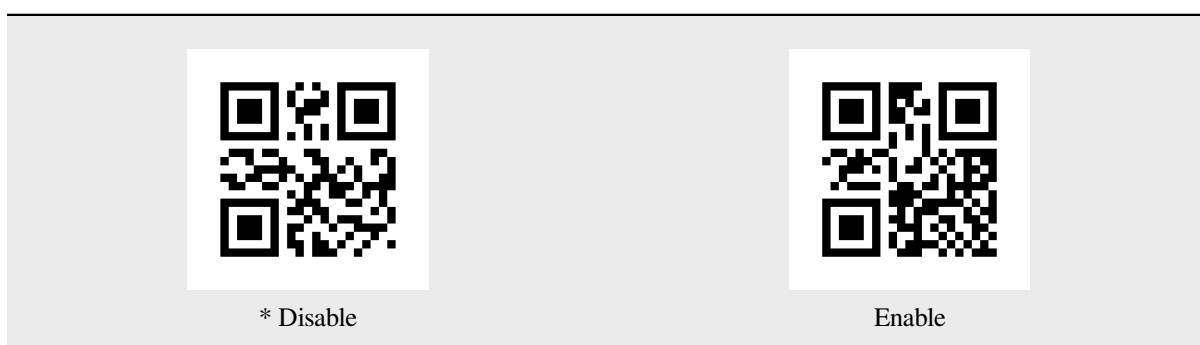
EAN-8 Reads 2-digit Additional Code

Read the following setting barcode to set whether EAN-8 can read the 2-digit additional code.



EAN-8 Reads 5-digit Additional Code

Read the following setting barcode to set whether EAN-8 can read the 5-digit additional code.



Read Only With Add-on Code EAN-8

Read the following setting barcode to set whether to read only EAN-8 with additional code.

 * Disable	 Enable
--	--

8.5 EAN-13

EAN-13 Switch

Read the following setting barcode to enable/disable EAN-13 barcode reading.

 Disable	 * Enable
---	---

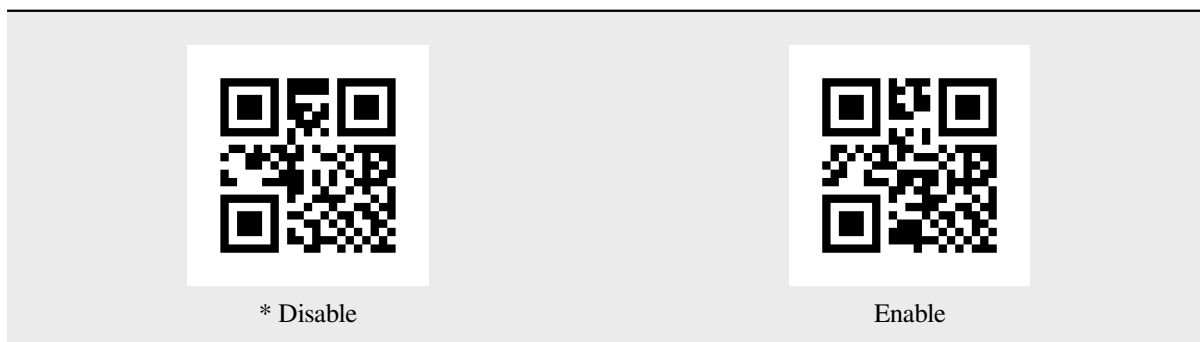
EAN-13 Check Digit Transmission

Read the following setting barcode to set whether EAN-13 transmits check digits.

 Disable	 * Enable
--	--

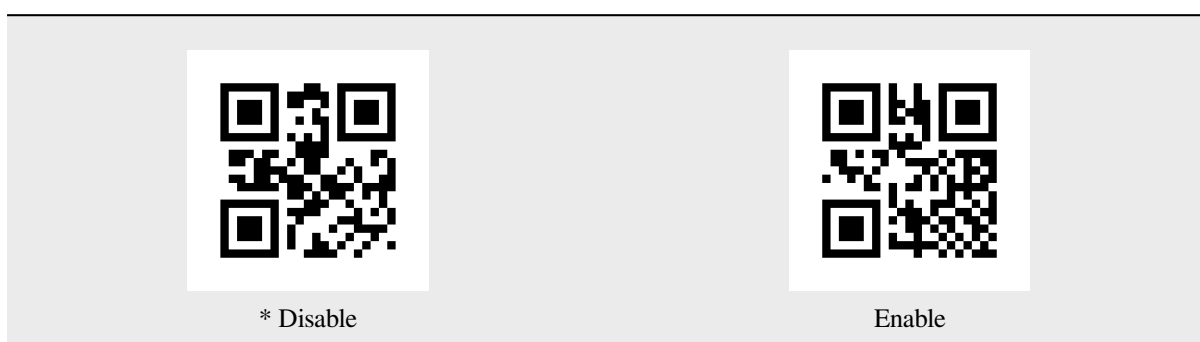
EAN-13 Reads 2-digit Additional Code

Read the following setting barcode to set whether EAN-13 can read the 2-digit additional code.



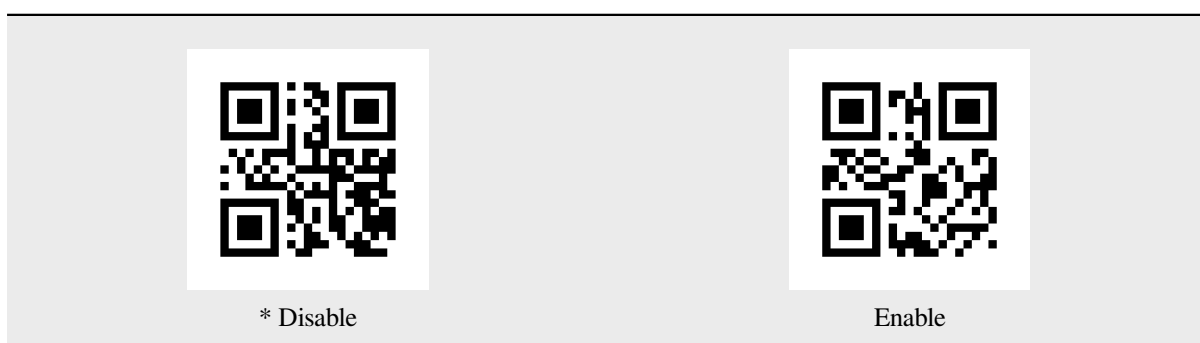
EAN-13 Reads 5-digit Additional Code

Read the following setting barcode to set whether EAN-13 can read the 5-digit additional code.



Read Only With Add-on Code EAN-13

Read the following setting barcode to set whether to read only EAN-13 with additional code.



8.6 ISSN

Read the following setting barcode to enable/disable ISSN barcode reading.

Note

Disable ISSN, ISSN will be treated as EAN-13



* Disable



Enable

8.7 ISBN

Read the following setting barcode to enable/disable ISBN barcode reading.

Note

Disable ISBN, ISBN will be treated as EAN-13



* Disable



Enable

8.8 UPC-E

UPC-E Switch

Read the following setting barcode to enable/disable reading of UPC-E barcodes.



Disable



* Enable

UPC-E Check Digit Transmission

Read the following setting barcode to set whether UPC-E transmits the check digit.

	
Disable	* Enable

UPC-E Reads 2-digit Additional Code

Read the following setting barcode to set whether UPC-E can read the 2-digit additional code.

	
* Disable	Enable

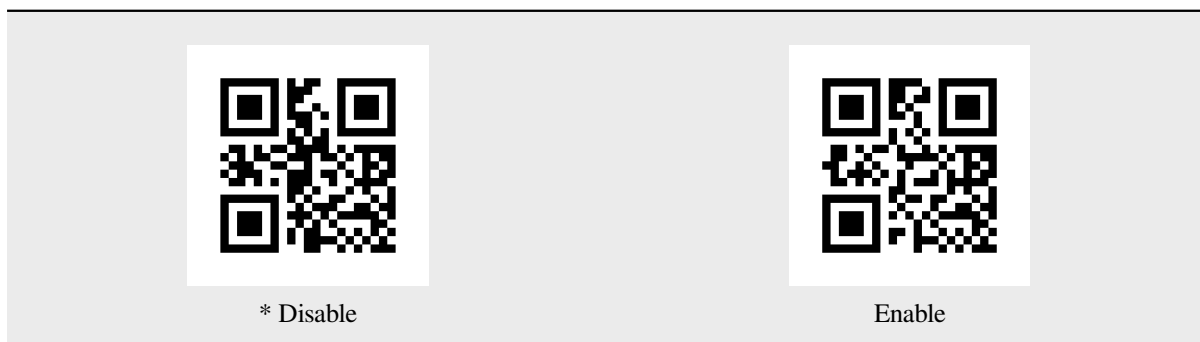
UPC-E Reads 5-digit Additional Code

Read the following setting barcode to set whether UPC-E can read the 5-digit additional code.

	
* Disable	Enable

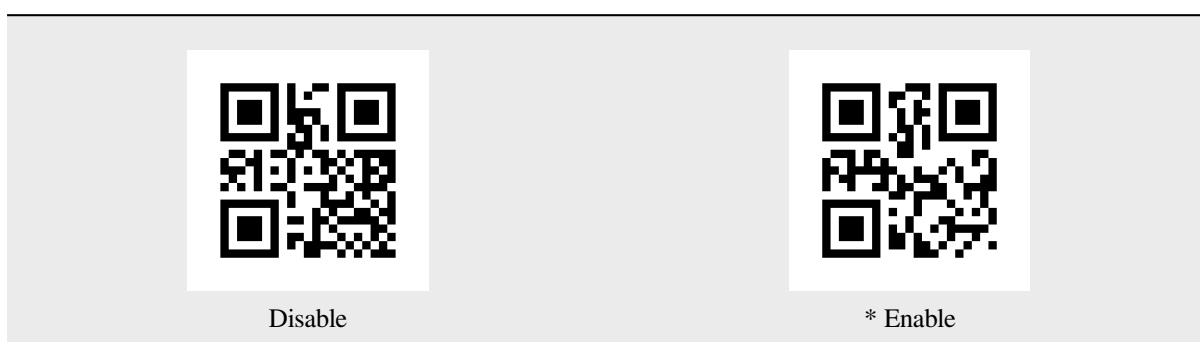
Read Only With Add-on Code UPC-E

Read the following setting barcode to set whether to read only UPC-E with additional code.



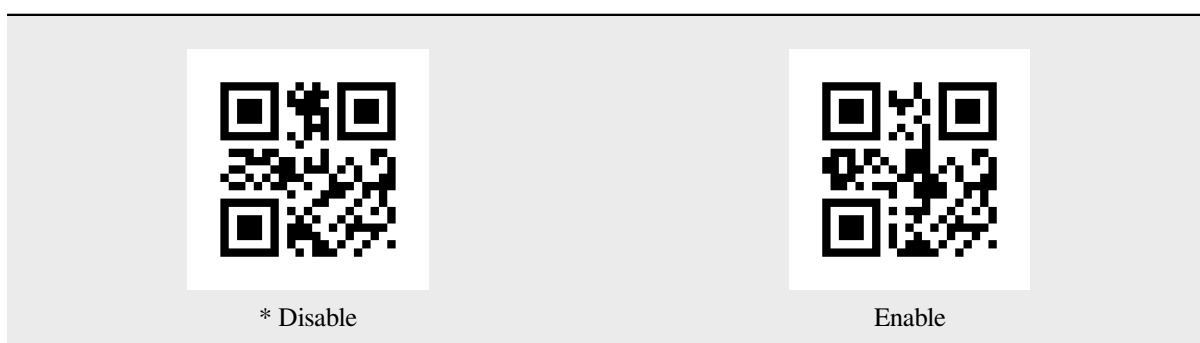
Transmission system character “0”

Read the following setting barcode to set whether UPC-E transmits the system character “0” .



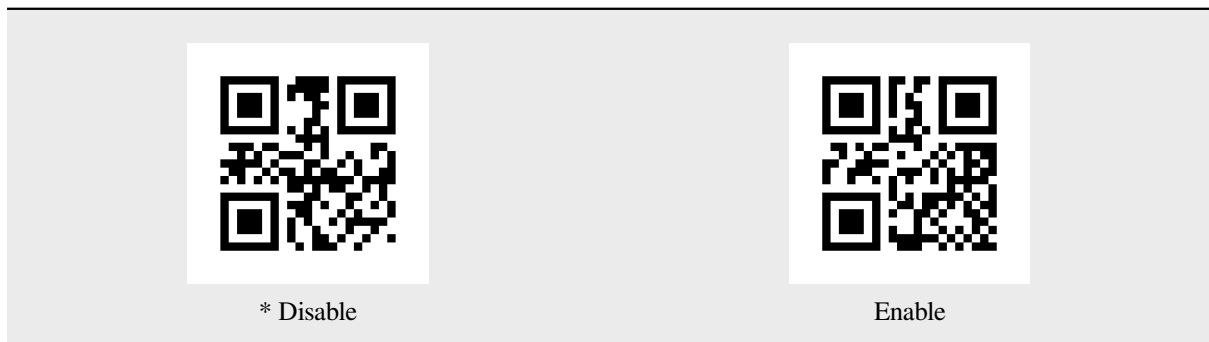
UPC-E To UPC-A

Read the following setting barcode to set whether to convert UPC-E to UPC-A.



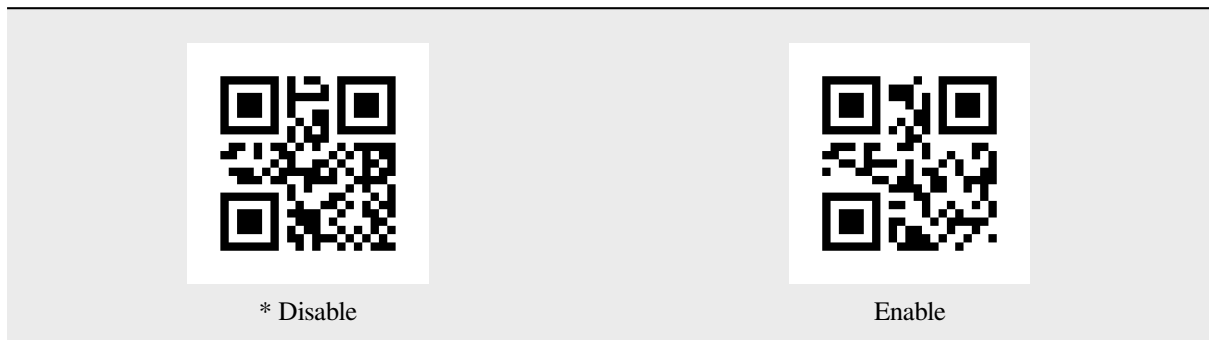
UPC-E1 Switch

Read the following setting barcode to set whether to read UPC-E1.



Transmit national character “0”

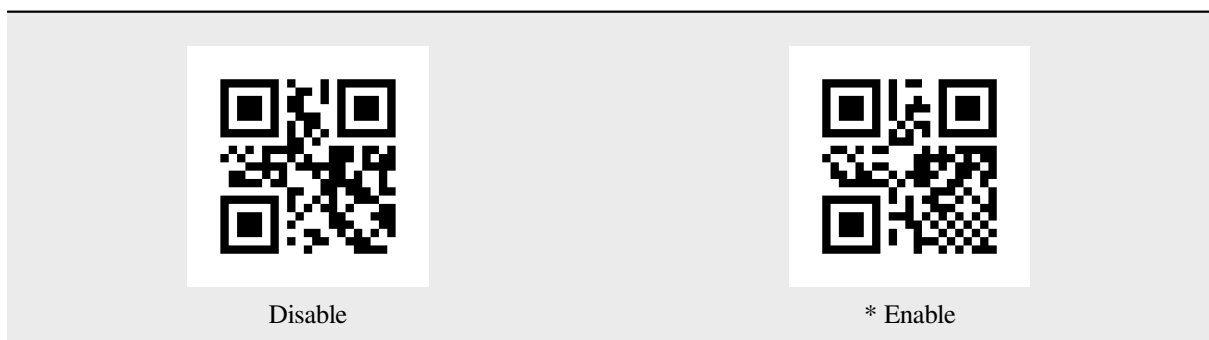
Read the following setting barcode to set whether UPC-E transmits the national character “0” .



8.9 UPC-A

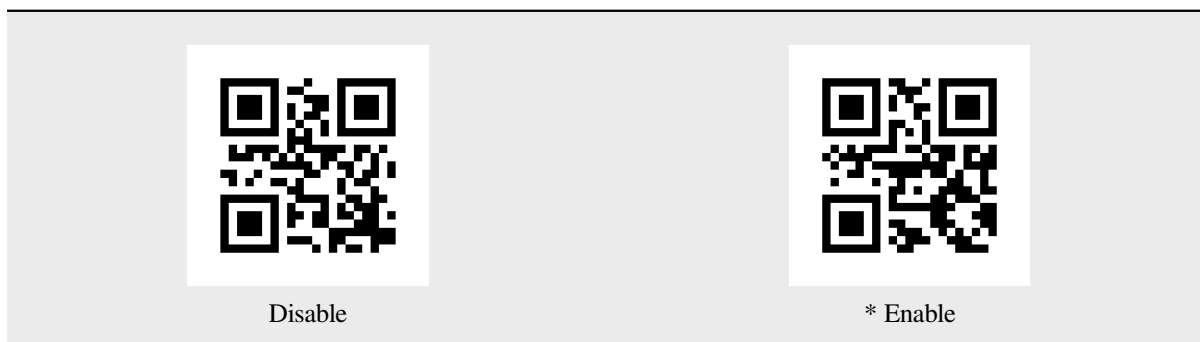
UPC-A Switch

Read the following setting barcode to enable/disable reading of UPC-A barcodes.



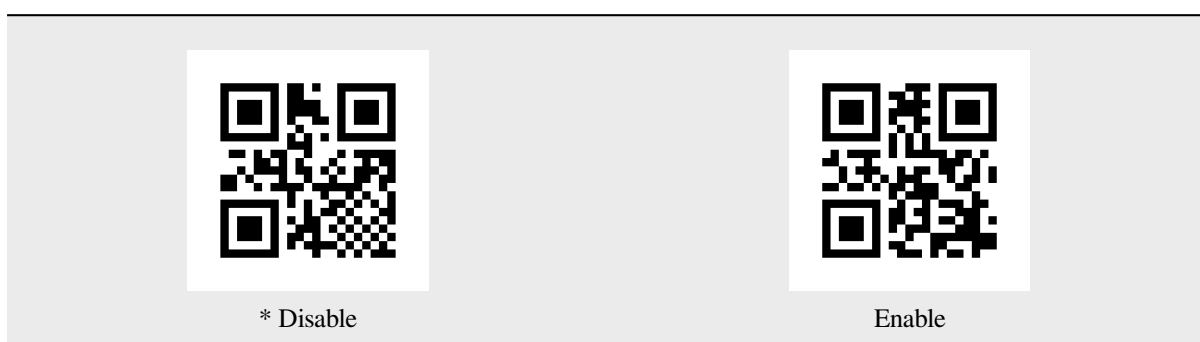
UPC-A Check Digit Transmission

Read the following setting barcode to set whether UPC-A transmits the check digit.



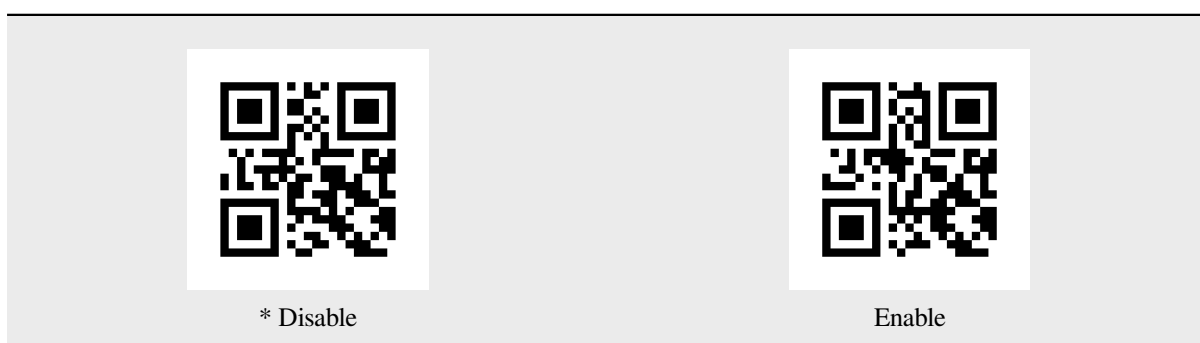
UPC-A Reads 2-digit Additional Code

Read the following setting barcode to set whether UPC-A can read the 2-digit additional code.



UPC-A Reads 5-digit Additional Code

Read the following setting barcode to set whether UPC-A can read the 5-digit additional code.



Read Only With Add-on Code UPC-A

Read the following setting barcode to set whether to read only UPC-A with additional code.

	
* Disable	Enable

Transmission system character “0”

Read the following setting barcode to set whether UPC-A transmits system characters.

	
Disable	* Enable

Transmit national character “0”

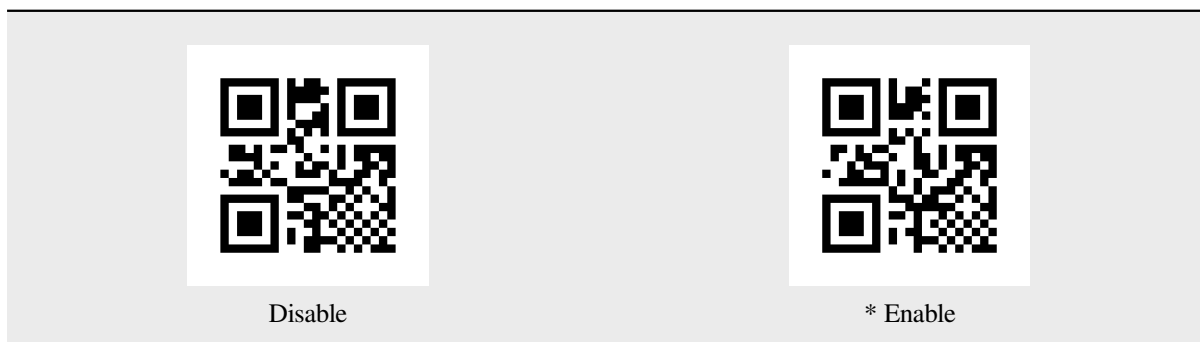
Read the following setting barcode to set whether UPC-E transmits the national character “0”. (Whether UPC-A will be converted to EAN-13 will be set)

	
* Disable	Enable

8.10 ITF25

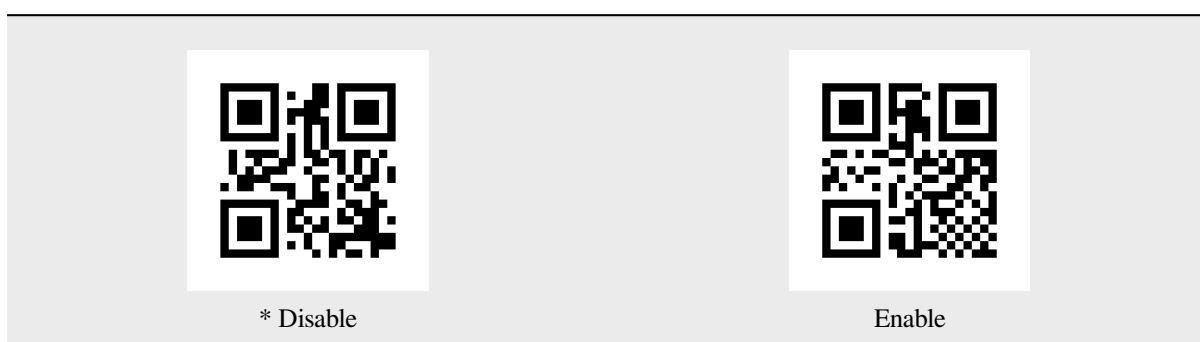
ITF25 Switch

Read the following setting barcode to enable/disable reading of ITF25 barcodes.



ITF25 Check Digit Verification

Read the following setting barcode to set whether the ITF25 check digit is verified.

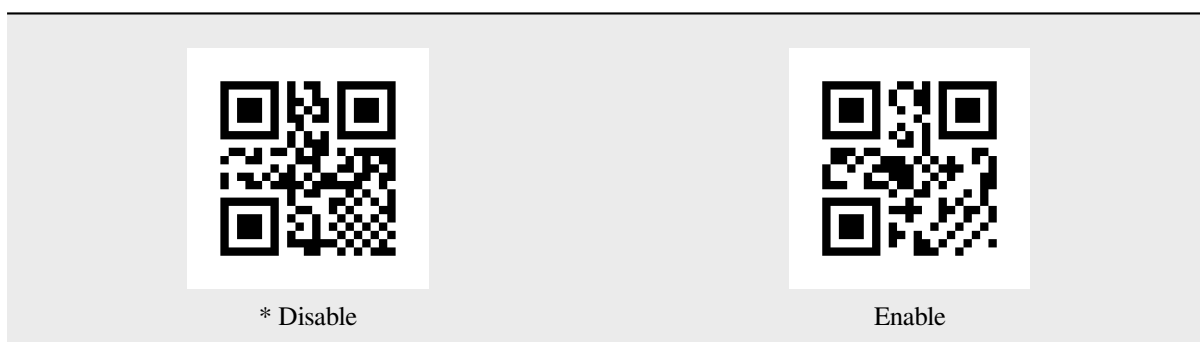


ITF25 Check Digit Transmission

Read the following setting barcode to set whether the ITF25 check digit is transmitted.

Note

To enable transmission check digit, please enable the check digit verification function first.



ITF25 Minimum Length

There are two methods for setting the minimum length of ITF25. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

ITF25 minimum length setting barcode content format: >!0000B3XX. XX is a setting variable with a decimal range of 0-255.

For example: if the minimum length of ITF25 is set to 2, then the setting barcode content is: >!0000B32.

For example: if the minimum length of ITF25 is set to 12, the setting barcode content is: >!0000B312.

Method two:

Scan the “ITF25 minimum length” setting barcode



ITF25 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

ITF25 Maximum Length

There are two methods for setting the maximum length of ITF25. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible. Method two can scan the setting barcode in this manual according to the steps.

Method one:

ITF25 maximum length setting barcode content format: >!0000B4XX. XX is a setting variable, with a decimal range of 0-255.

For example: if the maximum length of ITF25 is set to 9, then the setting barcode content is: >!0000B49.

For example: if the maximum length of ITF25 is set to 20, the setting barcode content is: >!0000B420.

Method two:

Scan the “ITF25 maximum length” setting barcode



ITF25 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

Brazilian Government/Bank Code



* Disable



Enable

8.11 NEC25/COOP25

NEC25 Switch

Read the following setting barcode to enable/disable NEC25 barcode reading.



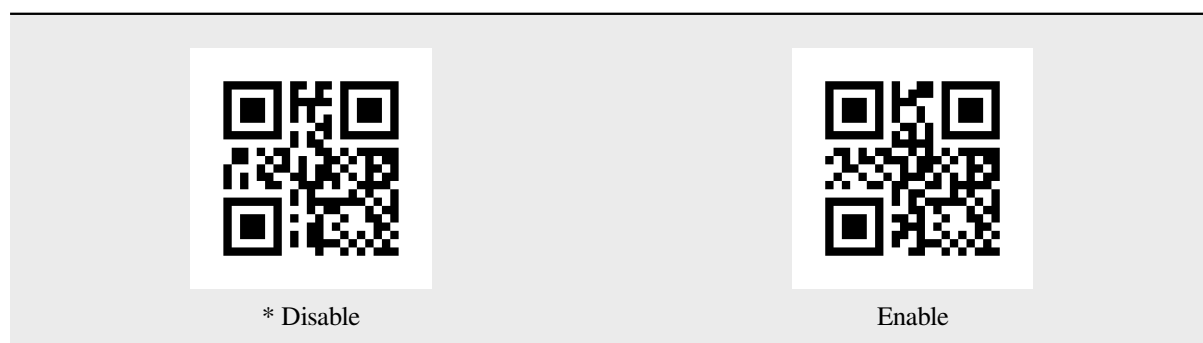
* Disable



Enable

NEC25 Check Digit Verification

Read the following setting barcode to set whether the NEC25 check digit is verified.



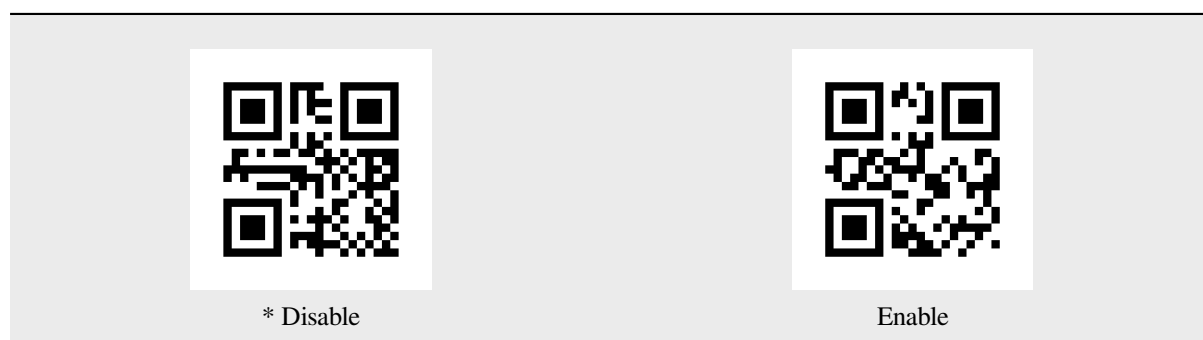
NEC25 Check Digit Transmission

Read the following setting barcode to set whether the NEC25 check digit is transmitted.



Note

To enable transmission check digit, please enable the check digit verification function first.



NEC25 Minimum Length

There are two methods for setting the minimum length of NEC25. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

NEC25 minimum length setting barcode content format: >!000103XX. XX is a setting variable with a decimal range of 0-255.

For example: if the minimum length of NEC25 is set to 2, then the setting barcode content is: >!0001032.

For example: if the minimum length of NEC25 is set to 12, the setting barcode content is: >!00010312.

Method two:

Scan the “NEC25 minimum length” setting barcode



NEC25 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

NEC25 Maximum Length

There are two methods for setting the maximum length of NEC25. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible. Method two can scan the setting barcode in this manual according to the steps.

Method one:

NEC25 maximum length setting barcode content format: >!000104XX. XX is a setting variable with a decimal range of 0-255.

For example: if the maximum length of NEC25 is set to 9, the setting barcode content is: >!0001049.

For example: if the maximum length of NEC25 is set to 20, the setting barcode content is: >!00010420.

Method two:

Scan the “NEC25 maximum length” setting barcode



NEC25 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

8.12 MATRIX25

MATRIX25 Switch

Read the following setting barcode to enable/disable MATRIX25 barcode reading.



* Disable



Enable

MATRIX25 Check Digit Verification

Read the following setting barcode to set whether the MATRIX25 check digit is verified.



* Disable



Enable

MATRIX25 Check Digit Transmission

Read the following setting barcode to set whether the MATRIX25 check digit is transmitted.

Note

To enable transmission check digit, please enable the check digit verification function first.



* Disable



Enable

MATRIX25 Minimum Length

There are two methods for setting the minimum length of MATRIX25. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible to use. Method two can scan the setting barcode in this manual according to the steps.

Method one:

MATRIX25 minimum length setting barcode content format: >!000113XX. XX is a setting variable, with a decimal range of 0-255.

For example: if the minimum length of MATRIX25 is set to 2, the setting barcode content is: >!0001132.

For example: if the minimum length of MATRIX25 is set to 12, the setting barcode content is: >!00011312.

Method two:

Scan the “MATRIX25 minimum length” setting barcode



MATRIX25 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

MATRIX25 Maximum Length

There are two methods for setting the maximum length of MATRIX25. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible. Method two can scan the setting barcode in this manual according to the steps.

Method one:

MATRIX25 maximum length setting barcode content format: >!000114XX. XX is a setting variable with a decimal range of 0-255.

For example: if the maximum length of MATRIX25 is set to 9, the setting barcode content is: >!0001149.

For example: if the maximum length of MATRIX25 is set to 20, the setting barcode content is: >!00011420.

Method two:

Scan the “MATRIX25 maximum length” setting barcode



MATRIX25 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting

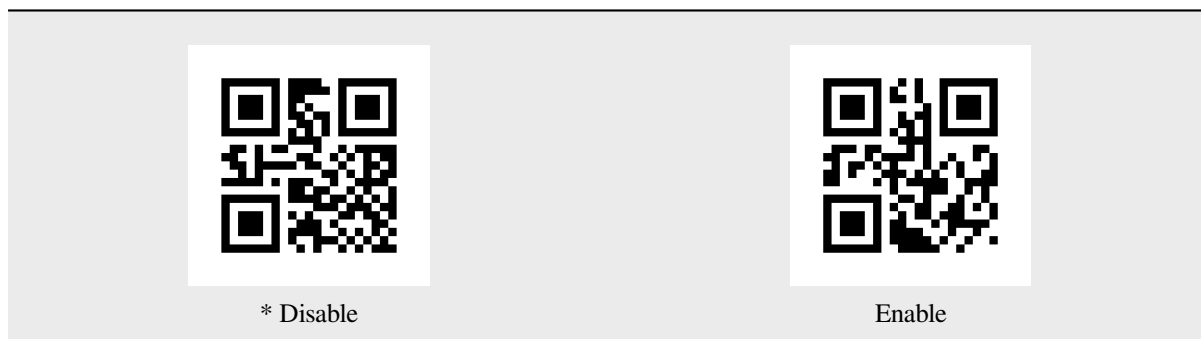


Sure

8.13 IND25

IND25 Switch

Read the following setting barcode to enable/disable reading of IND25 barcodes.



IND25 Minimum Length

There are two methods for setting the minimum length of IND25. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible. Method two can scan the setting barcode in this manual according to the steps.

Method one:

IND25 minimum length setting barcode content format: >!000123XX. XX is a setting variable with a decimal range of 0-255.

For example: if the minimum length of IND25 is set to 2, the setting barcode content is: >!0001232.

For example: if the minimum length of IND25 is set to 12, the setting barcode content is: >!00012312.

Method two:

Scan the “IND25 minimum length” setting barcode



IND25 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

IND25 Maximum Length

There are two methods for setting the maximum length of IND25. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible to use. Method two can scan the setting barcode in this manual according to the steps.

Method one:

IND25 maximum length setting barcode content format: >!000124XX. XX is a setting variable, with a decimal range of 0-255.

For example: if the maximum length of IND25 is set to 9, the setting barcode content is: >!0001249.

For example: if the maximum length of IND25 is set to 20, the setting barcode content is: >!00012420.

Method two:

Scan the “IND25 maximum length” setting barcode



IND25 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting

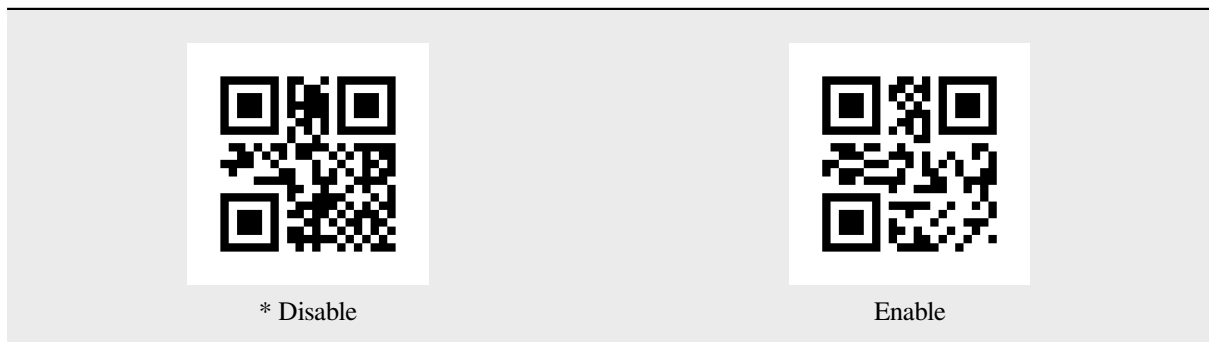


Sure

8.14 STD25

STD25 Switch

Read the following setting barcode to enable/disable STD25 barcode reading.



STD25 Minimum Length

There are two methods for setting the minimum length of STD25. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

STD25 minimum length setting barcode content format: >!000133XX. XX is a setting variable with a decimal range of 0-255.

For example: if the minimum length of STD25 is set to 2, the setting barcode content is: >!0001332.

For example: if the minimum length of STD25 is set to 12, the setting barcode content is: >!00013312.

Method two:

Scan the “STD25 minimum length” setting barcode



STD25 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

STD25 Maximum Length

There are two methods for setting the maximum length of STD25. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

STD25 maximum length setting barcode content format: >!000134XX. XX is a setting variable with a decimal range of 0-255.

For example: if the maximum length of STD25 is set to 9, the setting barcode content is: >!0001349.

For example: if the maximum length of STD25 is set to 20, the setting barcode content is: >!00013420.

Method two:

Scan the “STD25 maximum length” setting barcode



STD25 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

8.15 Code 39

Code 39 Switch

Read the following setting barcode to enable/disable reading of Code 39 barcodes.

	
Disable	* Enable

Code 39 check digit verification

Read the following setting barcode to set whether the Code 39 check digit is verified.

	
* Disable	Enable

Code 39 Check Digit Transmission

Read the following setting barcode to set whether the Code 39 check digit is transmitted.

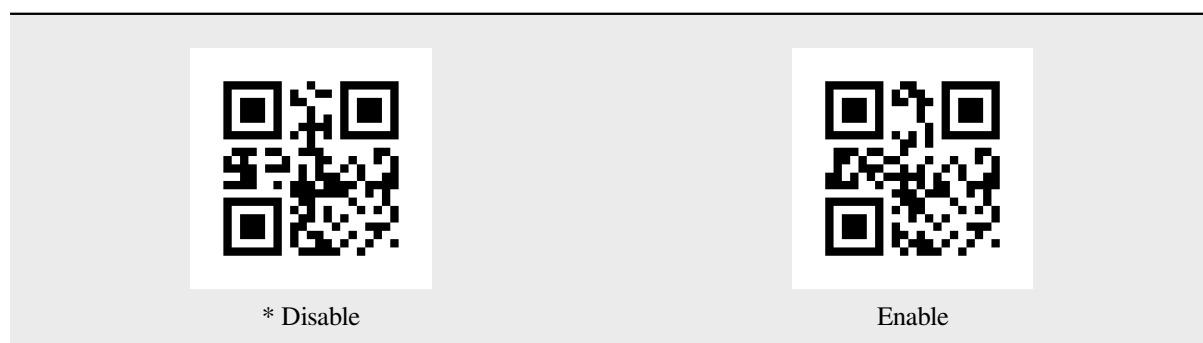
Note

To enable transmission check digit, please enable the check digit verification function first.

	
* Disable	Enable

Code 39 Start Character/end Character Transmission

Read the following setting barcode to set whether the Code 39 start character/end character is transmitted.



Code 39 FULL ASCII Switch

Read the following setting barcode to enable/disable reading of Code 39 FULL ASCII barcodes.



Code 39 Minimum Length

There are two methods for setting the minimum length of Code 39. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Code 39 Minimum length setting barcode content format: >!000145XX. XX is a setting variable, with a decimal range of 0-255.

For example: if the minimum length of Code 39 is set to 2, the setting barcode content is: >!0001452.

For example: Code 39 minimum length is set to 12, then the setting barcode content is: >!00014512.

Method two:

Scan the “Code 39 Minimum Length” setting barcode



Code 39 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

Code 39 Maximum Length

There are two methods for setting the maximum length of Code 39. Method one requires the user to generate a QR code, which tends to be set by more users and is more flexible. Method two can scan the setting barcode in this manual according to the steps.

Method one:

Code 39 Maximum length setting barcode content format: >!000146XX. XX is a setting variable, with a decimal range of 0-255.

For example: if the maximum length of Code 39 is set to 9, then the setting barcode content is: >!0001469.

For example: if the maximum length of Code 39 is set to 20, the setting barcode content is: >!00014620.

Method two:

Scan the “Code 39 Maximum Length” setting barcode



Code 39 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

Code 32 Switch

Read the following setting barcode to enable/disable the setting of Code 39 to Code 32



* Disable



Enable

Code 32 prefix

Read the following setting barcode to set whether the Code 32 prefix is transmitted.



* Disable



Enable

Code 32 Check Digit Verification

Read the following setting barcode to set whether the Code 32 check digit is verified.



* Disable



Enable

Code 32 Check Digit Transmission

Read the following setting barcode to set whether the Code 32 check digit is transmitted.

Note

To enable transmission check digit, please enable the check digit verification function first.



* Disable



Enable

8.16 Codabar

Codabar Switch

Read the following setting barcode to enable/disable Codabar barcode reading.



* Disable



Enable

Codabar Check Digit Verification

Read the following setting barcode to set whether the Codabar check digit is verified.



* Disable



Enable

Codabar Check Digit Transmission

Read the following setting barcode to set whether the Codabar check digit is transmitted.

Note

To enable transmission check digit, please enable the check digit verification function first.



* Disable



Enable

Codabar Start Character/end Character Transmission

Read the following setting barcode to set whether the Codabar start character/end character is transmitted.



Disable



* Enable

Codabar Start Character/end Character Format

Read the following setting barcode to set the Codabar start character/end character format.



* Ordinary ABCD Format



ABCD/TN*E Format

Codabar Start Character/end Character Case

Read the following setting barcode to set whether the Codabar start character/end character is uppercase or lowercase.



Codabar Minimum Length

There are two methods for setting the minimum length of Codabar. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Codabar minimum length setting barcode content format: >!000156XX. XX is a setting variable, with a decimal range of 0-255.

For example: if the minimum length of Codabar is set to 2, the setting barcode content is: >!0001562.

For example: if the minimum length of Codabar is set to 12, the setting barcode content is: >!00015612.

Method two:

Scan the “Codabar Minimum Length” setting barcode



Codabar Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

Codabar Maximum Length

There are two methods for setting the maximum length of Codabar. Method one requires the user to generate a QR code, which is more flexible for more users. Method two can scan the setting barcode in this manual according to the steps.

Method one:

Codabar maximum length setting barcode content format: >!000157XX. XX is a setting variable, with a decimal range of 0-255.

For example: if the maximum length of Codabar is set to 9, the setting barcode content is: >!0001579.

For example: if the maximum length of Codabar is set to 20, the setting barcode content is: >!00015720.

Method two:

Scan the “Codabar Maximum Length” setting barcode



Codabar Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

8.17 Code 93

Code 93 Switch

Read the following setting barcode to enable/disable reading of Code 93 barcodes.



Disable



* Enable

Code 93 Minimum Length

There are two methods for setting the minimum length of Code 93. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Code 93 Minimum length setting barcode content format: >!000163XX. XX is a setting variable, with a decimal range of 0-255.

For example: Code 93 minimum length is set to 2, then the setting barcode content is: >!0001632.

For example: Code 93 minimum length is set to 12, then the setting barcode content is: >!00016312.

Method two:

Scan the “Code 93 Minimum Length” setting barcode



Code 93 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

Code 93 Maximum Length

There are two methods for setting the maximum length of Code 93. Method one requires the user to generate a QR code, which is more flexible for more users. Method two can scan the setting barcode in this manual according to the steps.

Method one:

Code 93 Maximum length setting barcode content format: >!000164XX. XX is a setting variable, with a decimal range of 0-255.

For example: Code 93 maximum length is set to 9, then the setting barcode content is: >!0001649.

For example: if the maximum length of Code 93 is set to 20, the setting barcode content is: >!00016420.

Method two:

Scan the “Code 93 Maximum Length” setting barcode



Code 93 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

8.18 Code 11

Code 11 Switch

Read the following setting barcode to enable/disable reading of Code 11 barcodes.

	
* Disable	Enable

Code 11 Check Digit Verification

Read the following setting barcode to set whether the Code 11 check digit is verified.

	
* No Verification	1 Bit Checksum


2 Digit Checksum

Code 11 Check Digit Transmission

Read the following setting barcode to set whether the Code 11 check digit is transmitted.

Note

To enable transmission check digit, please enable the check digit verification function first.



* Disable



Enable

Code 11 Minimum Length

There are two methods for setting the minimum length of Code 11. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Code 11 Minimum length setting barcode content format: >!000173XX. XX is a setting variable with a decimal range of 0-255.

For example: if the minimum length of Code 11 is set to 2, the setting barcode content is: >!0001732.

For example: if the minimum length of Code 11 is set to 12, the setting barcode content is: >!00017312.

Method two:

Scan the “Code 11 Minimum Length” setting barcode



Code 11 Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

Code 11 Maximum Length

There are two methods for setting the maximum length of Code 11. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

Code 11 Maximum length setting barcode content format: >!000174XX. XX is a setting variable with a decimal range of 0-255.

For example: if the maximum length of Code 11 is set to 9, the setting barcode content is: >!0001749.

For example: if the maximum length of Code 11 is set to 20, the setting barcode content is: >!00017420.

Method two:

Scan the “Code 11 Maximum Length” setting barcode



Code 11 Maximum Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” setting barcode to end the setting



Sure

8.19 MSI Plessey

MSI Plessey Switch

Read the following setting barcode to enable/disable MSI Plessey barcode reading.



* Disable



Enable

MSI Plessey Check Digit Verification

Read the following setting barcode to set whether the MSI Plessey check digit is verified.



* MOD10 Single Character Check



MOD10/MOD10 Double Character Check



MOD10/MOD11 Double Character Check

MSI Plessey Check Digit Transmission

Read the following setting barcode to set whether the MSI Plessey check digit is transmitted.

Note

To enable transmission check digit, please enable the check digit verification function first.



* Disable



Enable

MSI Plessey Minimum Length

There are two methods for setting the minimum length of MSI Plessey. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

MSI Plessey minimum length setting barcode content format: >!000193XX. XX is setting variable, decimal range 0-255.

For example: MSI Plessey minimum length is set to 2, then the setting barcode content is: >!0001932.

For example: MSI Plessey's minimum length is set to 12, then the setting barcode content is: >!00019312.

Method two:

Scan the “MSI Plessey Minimum Length” setup code



MSI Plessey Minimum Length

Scan the “Digital Setup Code” . For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” setting barcode to end the setting



Sure

MSI Plessey Max Length

There are two methods for setting the maximum length of MSI Plessey. The first method requires the user to generate a QR code, which tends to be set by more users and is more flexible. The second method can scan the setting barcode in this manual according to the steps.

Method one:

MSI Plessey maximum length setting barcode content format: >!000194XX. XX is setting variable, decimal range 0-255.

For example: if the maximum length of MSI Plessey is set to 9, then the setting barcode content is: >!0001949.

For example: if the maximum length of MSI Plessey is set to 20, the setting barcode content is: >!00019420.

Method two:

Scan the “MSI Plessey Maximum Length” setup code



MSI Plessey Max Length

Scan the “Digital Setup Code” . For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

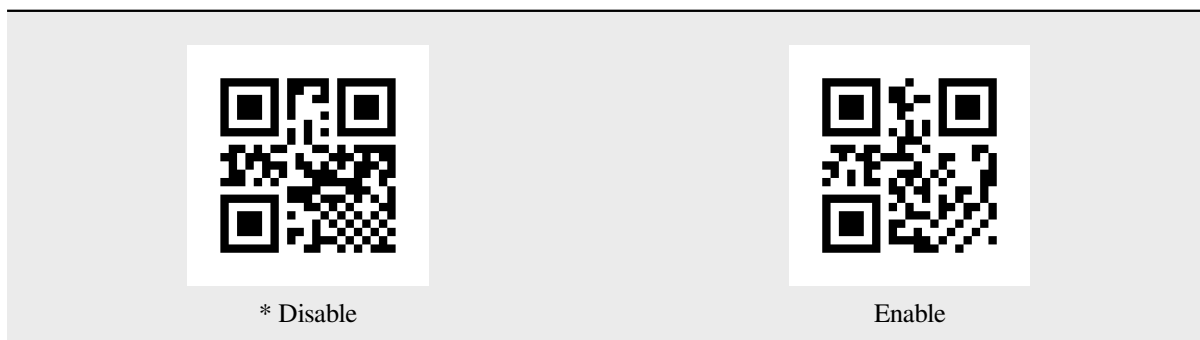
Scan the “OK” setting barcode to end the setting



Sure

8.20 GS1 DataBar/RSS

Read the following setting barcode to enable/disable reading of GS1 DataBar barcodes.



8.21 Composite Code

Read the following setting barcode to enable/disable reading of Composite Code barcodes.

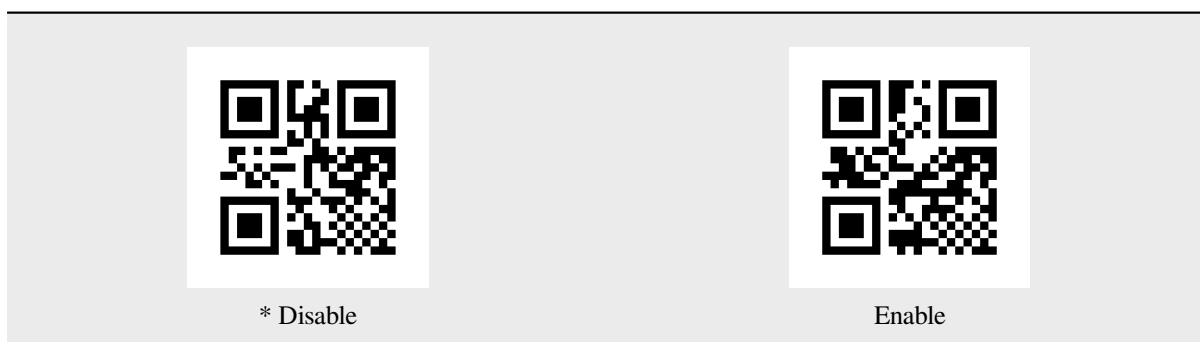
Note

To enable Composite Code, please enable a separate corresponding code first.



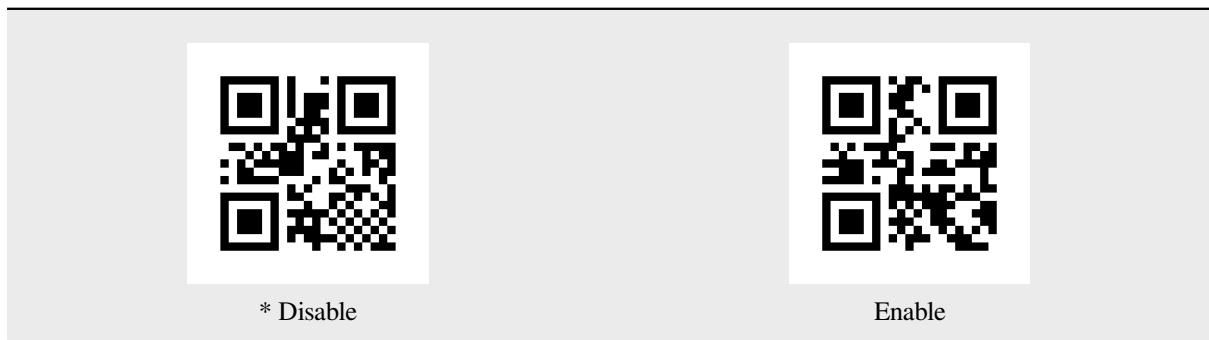
8.22 TELEPEN

Read the following setting barcode to enable/disable TELEPEN barcode reading.



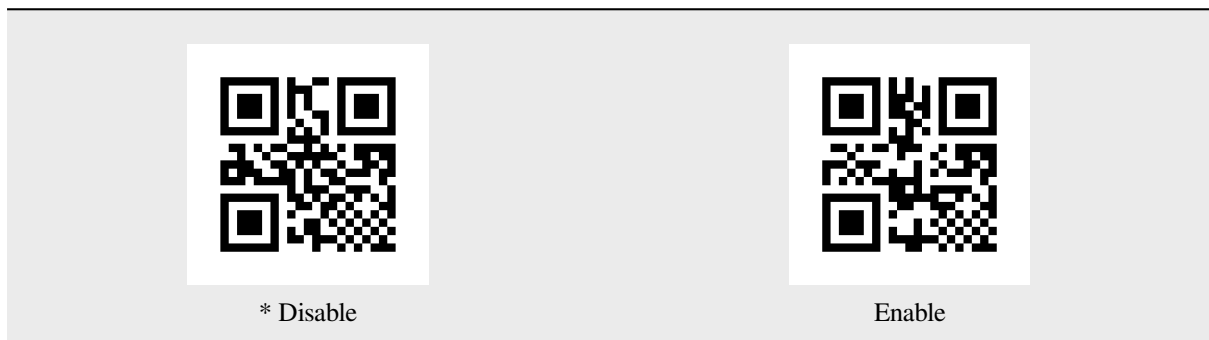
8.23 TRIOPTIC

Read the following setting barcode to enable/disable TRIOPTIC barcode reading.



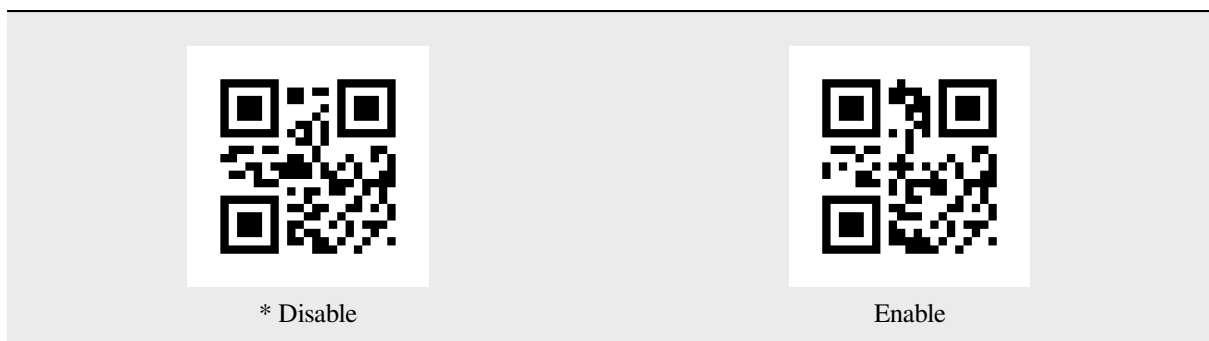
8.24 HONG KONG 2 OF 5/CHINA POST

Read the following setting barcode to enable/disable reading of the HONG KONG 2 of 5 barcode.



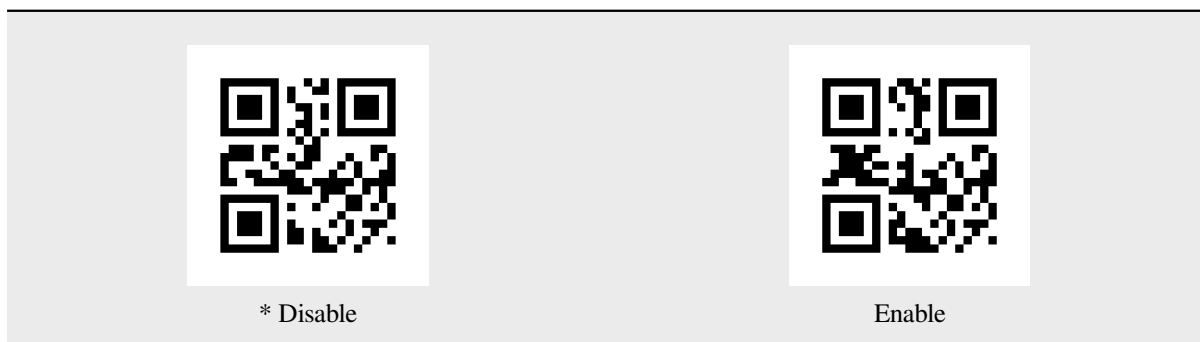
8.25 Korea Post/Korea Post

Read the following setting barcode to enable/disable reading of KOREA POST/Korea Post barcodes. The barcode length must be 6 bytes.

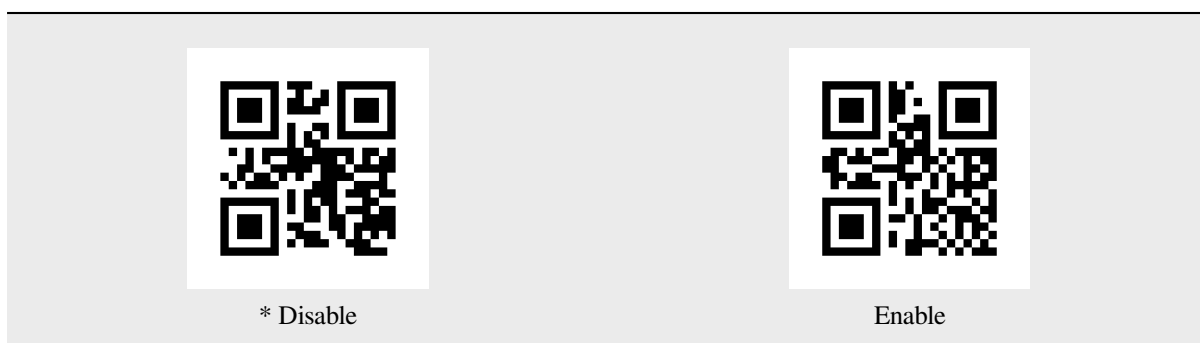


KOREA POST Check Digit Transmission

Read the following setting barcode to set whether the KOREA POST check digit is transmitted.



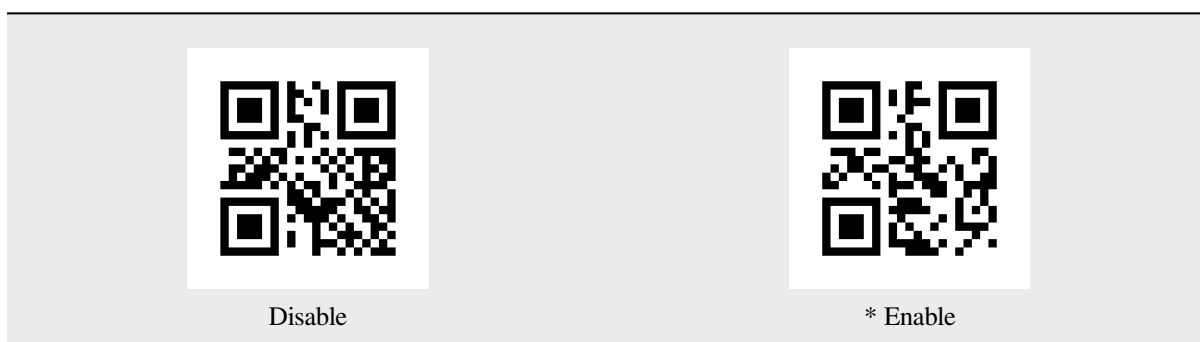
KOREA POST Data Reversed



8.26 PDF417

PDF417 Switch

Read the following setting barcode to enable/disable reading of PDF417 barcodes.



PDF417 Forward And Reverse Recognition

Read the following setting barcode to set whether the forward/reverse PDF417 code can be read.



* Read Only Positive Colors



Read Only Reverse Color



Readable In Both Positive And Negative Colors

8.27 QR Code

QR Switch

Read the following setting barcode to enable/disable reading of QR barcodes.



Disable



* Enable

QR Code Front And Back Color Reading

Read the following setting barcode to set whether the front/reverse color QR Code can be read.

 * Read Only Positive Colors	 Read Only Reverse Color
 Readable In Both Positive And Negative Colors	 Read Only Normal Color (reverse Color Code)

QR Code Mirror Reading

Read the following setting barcode to set whether the image QR Code can be read.

 Disable	 * Enable
--	--

8.28 Data Matrix (DM)

Data Matrix Switch

Read the following setting barcode to enable/disable reading of Data Matrix barcodes.

 Disable	 * Enable
--	--

Data Matrix Positive And Negative Color Reading

Read the following setting barcode to set whether the positive/reverse color Data Matrix code can be read.



* Read Only Positive Colors



Read Only Reverse Color



Readable In Both Positive And Negative Colors

Data Matrix Image Reading

Read the following setting barcode to set whether the image Data Matrix code can be read.



* Disable



Enable

DM ECI Control



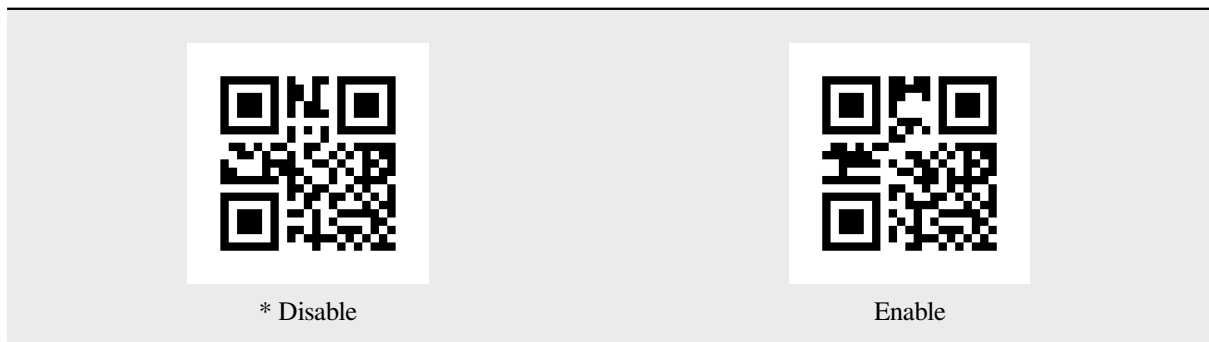
* Disable



Enable

8.29 Aztec Code

Read the following setting barcode to enable/disable reading of AZTEC CODE barcodes.



9 Appendix

9.1 Numeric Setting Barcode

The appendix contains numbers 0-9; letters A-F; cancel; confirm setup codes.



0



1



2



3



4



5



6



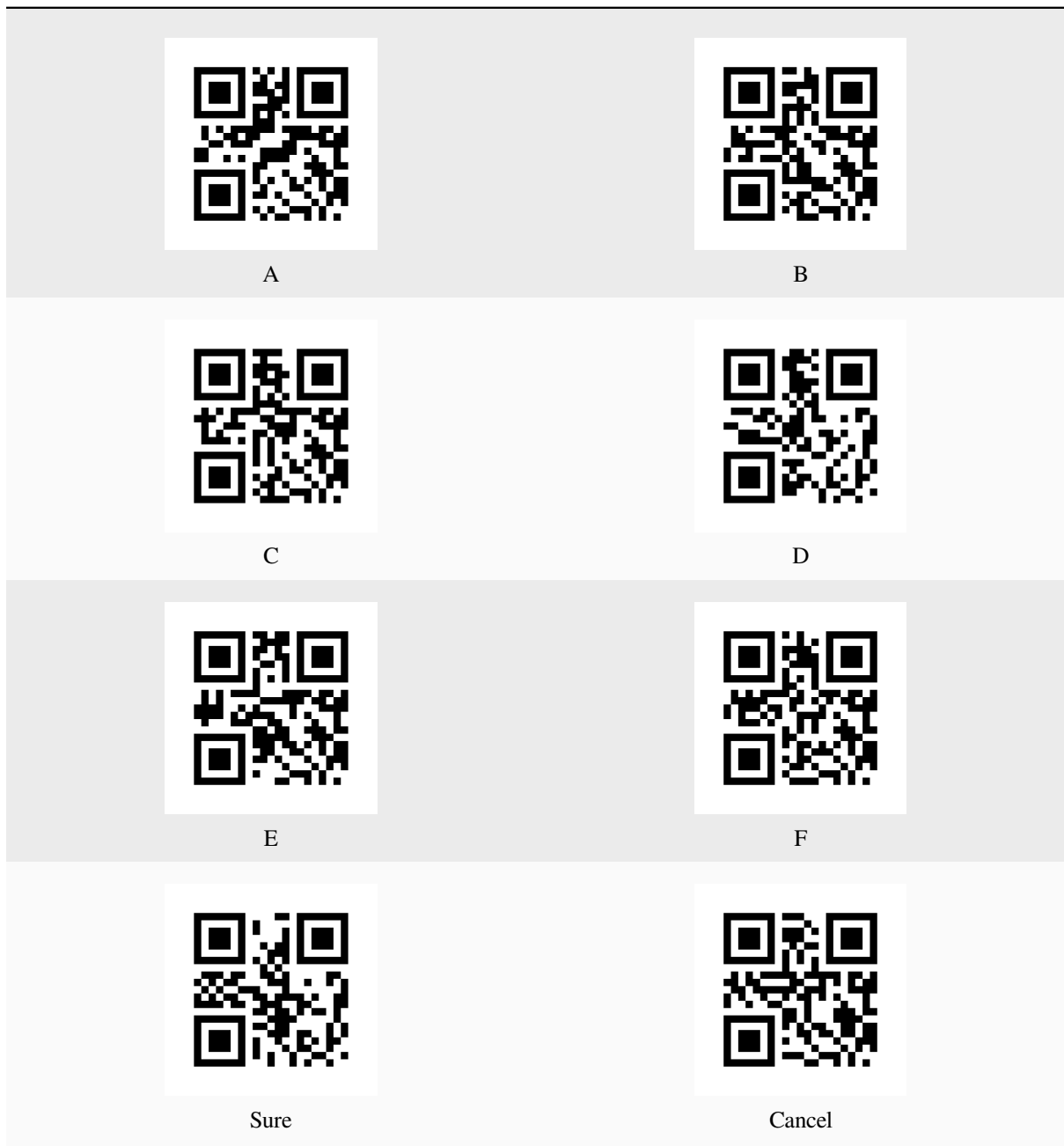
7



8



9



9.2 Code ID

Code Character	Barcode Type
C	Code 128/UCC/EAN-128/GS1-128
F	Code 39/Code 32
J	Code 11
B	Codabar
K	Code 93
E	EAN-13/EAN-8/ISBN/ISSN
U	UPC-A/UPC-E
I	ITF25

continues on next page

Table 1 – continued from previous page

Code Character	Barcode Type
D	IND25
S	STD25
M	MATRIX25
N	NEC25/COOP25
P	MSI Plessey
T	TELEPEN
A	Pharmacode One-Track
W	TRIOPTIC
H	HONG KONG 2 of 5/CHINA POST
R	GS1 DataBar/RSS
q	QR Code/Micro QR
p	PDF417/MicroPDF417
d	Data Matrix (DM)
a	Aztec Code
h	Han Xin
m	MaxiCode
t	DotCode
g	GM
o	OCR
k	Codablock A
f	Codablock F
n	Postal Code
V	Korea Post

9.3 AIM ID

Barcode Type	AIM ID	Description
Code 128/UCC/EAN-128/GS1-128	]Cm	0,1,2,4
Code 39	]Am	0,1,3,4,5,7
Code 32	]X0	
Code 11	]Hm	0,1,3
Codabar	]Fm	0-1
Code 93	]Gm	0-9,A-Z,a-m
EAN-13	]E0	
EAN-8	]E4	
ISSN		
ISBN	]E0	
UPC-A	]E0	
UPC-E	]E0	
UPC-E1	]E1	
ITF25	]Im	0,1,3
IND25	]S0	
STD25	]Rm	0,1,3
MATRIX25	]X0	
NEC25/COOP25	]X0	

continues on next page

Table 2 – continued from previous page

Barcode Type	AIM ID	Description
MSI Plessey	]Mm	0,1
TELEPEN	]Bm	
Pharmacode One-Track		
TRIOPTIC		
QR Code	]Qm	0-6
Micro QR	]Qm	
PDF417	]Lm	0-2
MicroPDF417	]Lm	3,4,5
Data Matrix (DM)	]dm	0-6
Aztec Code	]zm	0-9,A-C
Han Xin	]X0	
MaxiCode	]Um	0-3
DotCode	]X0	
GM	]X0	
Codablock A	]O6	0,1,4,5,6
Codablock F	]Om	0,1,4,5,6
GS1 DataBar/RSS	]e0	
Korea Post	]X0	

9.4 ASCII Code Comparison Table

Hexadecimal	Keyboard function key operations	Keyboard CTRL Key Combination Operation
00h	Null	CTRL 2
01h	Keypad Enter	CTRL A
02h	Caps lock	CTRL B
03h	Right Arrow	CTRL C
04h	Up Arrow	CTRL D
05h	Null	CTRL E
06h	Null	CTRL F
07h	Enter	CTRL G
08h	Left Arrow	CTRL H
09h	Horizontal Tab	CTRL I
0Ah	Down Arrow	CTRL J
0Bh	Vertical Tab	CTRL K
0Ch	Backspace	CTRL L
0Dh	Enter	CTRL M
0Eh	Insert	CTRL N
0Fh	Esc	CTRL O
10h	F11	CTRL P
11h	Home	CTRL Q
12h	Print Screen	CTRL R
13h	Delete	CTRL S
14h	tab+shift	CTRL T
15h	F12	CTRL U
16h	F1	CTRL V

continues on next page

Table 3 – continued from previous page

Hexadecimal	Keyboard function key operations	Keyboard CTRL Key Combination Operation
17h	F2	CTRL W
18h	F3	CTRL X
19h	F4	CTRL Y
1Ah	F5	CTRL Z
1Bh	F6	CTRL [
1Ch	F7	CTRL \
1Dh	F8	CTRL]
1Eh	F9	CTRL 6
1Fh	F10	CTRL -
20h	Space	
21h	!	
22h	“	
23h	#	
24h	\$	
25h	%	
26h	&	
27h	‘	
28h	(	
29h	)	
2Ah	*	
2Bh	+	
2Ch	,	
2Dh	-	
2Eh	.	
2Fh	/	
30h	0	
31h	1	
32h	2	
33h	3	
34h	4	
35h	5	
36h	6	
37h	7	
38h	8	
39h	9	
3Ah	:	
3Bh	;	
3Ch	<	
3Dh	=	
3Eh	>	
3Fh	?	
40h	@	
41h	A	
42h	B	
43h	C	
44h	D	
45h	E	

continues on next page

Table 3 – continued from previous page

Hexadecimal	Keyboard function key operations	Keyboard CTRL Key Combination Operation
46h	F	
47h	G	
48h	H	
49h	I	
4Ah	J	
4Bh	K	
4Ch	L	
4Dh	M	
4Eh	N	
4Fh	O	
50h	P	
51h	Q	
52h	R	
53h	S	
54h	T	
55h	U	
56h	V	
57h	W	
58h	X	
59h	Y	
5Ah	Z	
5Bh	[	
5Ch	\	
5Dh	]	
5Eh	^	
5Fh	_	
60h	`	
61h	a	
62h	b	
63h	c	
64h	d	
65h	e	
66h	f	
67h	g	
68h	h	
69h	i	
6Ah	j	
6Bh	k	
6Ch	l	
6Dh	m	
6Eh	n	
6Fh	o	
70h	p	
71h	q	
72h	r	
73h	s	
74h	t	

continues on next page

Table 3 – continued from previous page

Hexadecimal	Keyboard function key operations	Keyboard CTRL Key Combination Operation
75h	u	
76h	v	
77h	w	
78h	x	
79h	y	
7Ah	z	
7Bh	{	
7Ch		
7Dh	}	
7Eh	~	
7Fh		

9.5 Barcode Type

Barcode	Hexadecimal Type
Code 128/UCC/EAN-128/GS1-128	01h
Code 39/Code 32	14h
Code 11	17h
Codabar	15h
Code 93	16h
EAN-8	05h
EAN-13/ISBN	06h
ISSN	07h
UPC-E	09h
UPC-A	0Ah
ITF25	0Bh
IND25	12h
STD25	13h
MATRIX25	11h
NEC25/COOP25	10h
MSI Plessey	19h
TELEPEN	1Fh
Pharmacode One-Track	23h
TRIOPTIC	22h
QR Code/Micro QR	3Dh
PDF417/MicroPDF417	3Ch
Data Matrix (DM)	3Fh
Aztec Code	3Eh
Han Xin	43h
MaxiCode	40h
DotCode	45h
GM	44h
Codablock A	26h
Codablock F	24h
GS1 DataBar/RSS	1Ah

continues on next page

Table 4 – continued from previous page

Barcode	Hexadecimal Type
Postal Code	25h
OCR	46h
HONG KONG 2 of 5/CHINA POST	20h
All Symbolologies	FFh