NT-2055M Barcode Scanner User Manual

Release v1.1.1

2026-09-02

Contents

1 System Settings **4**
- 1.1 Start . . . 4
- 1.2 Prompt Output . . . 6

2 Device Feature Settings **11**
- 2.1 Lighting And Aiming . . . 11

3 Trigger Settings **13**
- 3.1 Scan Mode . . . 13

4 Interface Settings **22**
- 4.1 Communication Mode . . . 22
- 4.2 Command . . . 26
- 4.3 Packet Format . . . 28

5 Keyboard Settings **28**
- 5.1 keyboardlayout . . . 28
- 5.2 Keyboard Type . . . 32
- 5.3 Keyboard Letter Case Conversion . . . 32
- 5.4 Keyboard Character Transmission Time Interval . . . 33
- 5.5 Quick Setting Of Keyboard Character Transmission Time Interval . . . 34
- 5.6 Keyboard Control Character Output Mode . . . 34

6 Data Editing **35**
- 6.1 BarCode ID . . . 35
- 6.2 Terminator . . . 36
- 6.3 Prefix . . . 36
- 6.4 Suffix . . . 38
- 6.5 Add Prefix Based On Barcode Type . . . 39
- 6.6 Add Suffix Based On Barcode Type . . . 41
- 6.7 Hide Fixed Characters . . . 43
- 6.8 Keep Barcode Data Based On Length . . . 44
- 6.9 Hide Barcode Data Based On Length . . . 47
- 6.10 Hide Barcode Data Of Any Length Based On Barcode Type . . . 49
- 6.11 Hide Any Length of Leading Data by Symbology . . . 51
- 6.12 Hide Any Length of Trailing Data by Symbology . . . 53
- 6.13 Insert Custom Data . . . 54
- 6.14 Data Replacement . . . 56
- 6.15 Line Feed And Carriage Return . . . 58
- 6.16 URL Switch . . . 58
- 6.17 Invoicing Function . . . 59
- 6.18 GS1 Rules Enabled . . . 60

7 Character Settings **60**
- 7.1 Character Set . . . 60

8 Barcode Settings **61**
- 8.1 Barcode Global Operations . . . 61
- 8.2 Code 128 . . . 66
- 8.3 UCC/EAN-128/GS1-128 . . . 69

8.4 EAN-8 . . . 71
8.5 EAN-13 . . . 73
8.6 ISSN . . . 74
8.7 ISBN . . . 75
8.8 UPC-E . . . 75
8.9 UPC-A . . . 78
8.10 ITF25 . . . 80
8.11 NEC25/COOP25 . . . 83
8.12 MATRIX25 . . . 86
8.13 IND25 . . . 89
8.14 STD25 . . . 91
8.15 Code 39 . . . 93
8.16 Codabar . . . 97
8.17 Code 93 . . . 101
8.18 Code 11 . . . 103
8.19 MSI Plessey . . . 106
8.20 GS1 DataBar/RSS . . . 109
8.21 Composite Code . . . 109
8.22 TELEPEN . . . 109
8.23 TRIOPTIC . . . 110
8.24 HONG KONG 2 OF 5/CHINA POST . . . 110
8.25 Korea Post/Korea Post . . . 110
8.26 PDF417 . . . 111
8.27 QR Code . . . 112
8.28 Data Matrix (DM) . . . 113
8.29 Aztec Code . . . 115

9 Appendix **115**
9.1 Numeric Barcode . . . 115
9.2 Code ID . . . 117
9.3 AIM ID . . . 118
9.4 ASCII Code Comparison Table . . . 119
9.5 Barcode Types . . . 122

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 Parameter Barcode below. All with (*) indicate factory default values.

Version Information

Scan the “Version Information” Parameter Barcode to allow the host to quickly read the current device version.

Version Information

Parameter Barcode Scanning

By turning on the Parameter Barcode function, you can configure the parameters of the Scan Engine by scanning the Parameter Barcode.

> **Note**
>
> When modifying the configuration through the Parameter 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

Transmit Parameter Barcode Data

Whether to output the Parameter Barcode content, you can configure the parameters of the Scan Engine by scanning the following Parameter Barcode.

* Disable

Enable

User Default Settings

Save Current Configuration As User Default

Restore User Factory 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

Beep Related

Buzzer Type

Scan the following Parameter 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 Scanning the following Parameter Barcode.

Mute	Bass
Alto	* Treble

Power-on Beep

Disable	* Enable

Parameter Entry Beep

Disable	* Enable

Decode Beep

Disable	* Enable

Decode Beeper Tone

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 beep by scanning the following Parameter Barcode. Default is 2700Hz.

Scan the “Buzzer Frequency” Parameter Barcode

Buzzer Frequency

Scan the“Numeric Barcode”. 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”Parameter Barcode to complete the setup.

Sure

Decode Beep Quick Setting

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

Decode Beep Duration

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

Scan the “Beep Sound Duration” Parameter Barcode

Beeper Duration

Scan the “Numeric Barcode”. For example, if the duration is 50ms, scan 5,0; if the duration is 200ms, scan 2,0,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Quickly Set The Decode Beep Duration

30ms	*50ms
70ms	100ms
200ms	300ms

2 Device Feature 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.

*Normal Lighting

No Lighting

Lighting Always On

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.

* Mode 0	Way 1

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.

* Disable	Enable

3 Trigger Settings

3.1 Scan Mode

Common Scan Modes

Key Hold

In Button Hold Mode, press and hold the button to scan. Releasing the button, a successful decode, or expiration of the Decode Timeout ends the scan session.

Key Hold

Single Button Trigger

In Single Button Trigger Mode, press the button to start scanning. Releasing the button does not stop scanning; the scan session ends after a successful decode or when the Decode Timeout expires.

Single Button Trigger

Continuous Mode

Once configured, the Scan Engine starts scanning immediately without a trigger. After a successful decode or when the Decode Timeout expires, it waits for the Scan Interval and then automatically starts the next scan session.

Continuous Mode

Presentation Mode

In Presentation Mode, the Scan Engine monitors ambient brightness and starts scanning when the brightness changes. The scan session ends after a successful decode or when the Decode Timeout expires, after which ambient-brightness monitoring resumes.

Presentation 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” Parameter Barcode

Image Stabilization Time

Scan the “Numeric Barcode”. For example, if the duration is 100ms, scan 1, 0, 0; if the duration is 1005ms, scan 1, 0, 0, 5

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Quick Setting Of Image Stabilization Duration

100ms	200ms
*300ms	400ms
500ms	1000ms

Command Trigger Mode

Use host commands to start or stop scanning by the Scan Engine. A successful decode or expiration of the Decode Timeout ends the scan session. For command details, refer to the product command documentation.

> **Note**
>
> Trigger And End Commands Are Valid In Any Mode

Special Scan Modes

Screen Fast Mode

This special-purpose mode is not available in standard product versions. It is intended for applications that require rapid decoding of barcodes displayed on screens. Contact the supplier if you need this mode.

High-Speed Scan Mode

This special-purpose mode is not available in standard product versions. It is intended for rapid decoding of barcodes on paper by fixed-mount Scan Engines, Presentation Scanners, and similar products. Contact the supplier to enable this mode.

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” Parameter Barcode

Single Reading Time

Scan the “Numeric Barcode”. For example, if the duration is 100ms, scan 1, 0, 0; if the duration is 1005ms, scan 1, 0, 0, 5

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Quick Setting Of Single Reading Time

0ms (infinite Time)	1000ms
2000ms	3000ms
*5000ms	10000ms

Same Symbol Timeout

To prevent repeated reads in Continuous Mode and Presentation Mode, the Scan Engine rejects the same barcode until the Same Symbol Timeout has elapsed. Range: 0-65535 ms. Default: 0 ms.

Same Symbol Timeout Setting

Scan the “Same Symbol Timeout” Parameter Barcode

Same Symbol Timeout

Scan the “Numeric Barcode”. For example, if the interval is 100ms, scan 1, 0, 0; if the interval is 1005ms, scan 1, 0, 0, 5

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Same Symbol Timeout Quick Settings

* 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” Parameter Barcode

Reading Interval Time

Scan the “Numeric Barcode”. For example, if the interval is 100ms, scan 1, 0, 0; if the interval is 1005ms, scan 1, 0, 0, 5

Scan the “OK” Parameter Barcode to complete the setup.

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 Parameter 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 Parameter 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

5 People	6 Bits
7 Bits	* 8 Bit

USB HID-POS

When the device is used as a HID device, you can Scan the following Parameter 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

- Parameter Barcode
- Instruction Type
- The default checksum is “99”

Instruction Type

Instruction Type	Command
Permanent Setting Instructions	Parameter Barcode+” >;99’ ”
Temporary Setup Instructions	Parameter Barcode+” ^;99”
Query Command	Parameter Barcode+” ?;99”
The Return Command Is Correct	Parameter Barcode+” $;99”
Return Command Error	Parameter 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 terminator to carriage return and line feed, the Parameter 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.

Disable

* Enable

Command Beep

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

Disable

* Enable

4.3 Packet Format

Decode Data

Identifier	Status	Type	Length	Barcode Types	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 beep
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 Types	1 Byte	See Appendix F For Details
Data	Vari-able	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.

* Disable

Enable

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	Turkish Q
United Kingdom	Japan
Czech Republic	Thailand K
Ukraine	Arab Region 101
Croatia, Slovenia	Korea

Bulgaria

Common To Many Countries

Vietnam

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.

* Standard Keyboard

Virtual Keyboard

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.

* Normal Output	ALL CAPS
All Lowercase	Opposite Case

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” Parameter Barcode

Character Transmission Time Interval

Scan the “Numeric Barcode”. For example, if the duration is 10ms, scan 1,0; if the duration is 100ms, scan 1,0,0.

Scan the “OK” Parameter Barcode to complete the setup.

Sure

5.5 Quick Setting Of Keyboard Character Transmission Time Interval

0 ms	*5ms
10 ms	20ms
30ms	50 ms

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*.

* Output Function Keys

Output CTRL Key Combination

Output ALT+numeric Keys

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: “]” + letter “C” + number “0”. For example, the AIM ID of Code 128 is “]C0”. Users can identify different barcode types through AIM ID.

* Disable

Enable

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

* Disable

Enable

6.2 Terminator

To help the host distinguish consecutive scan results, enable the Terminator function. The Scan Engine appends the selected Terminator to the Output Data.

Disable

Carriage Return and Line Feed

* Enter

TAB

Enter Enter

6.3 Prefix

Prefix Switch

A Prefix is a user-defined string appended before the Output Data. Scan the “Enable” Parameter Barcode to add it, or the “Disable” Parameter Barcode to remove it.

* Disable

Enable

Prefix Content Settings

There are two methods for prefix setting. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Add the prefix Parameter 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 Parameter 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 Parameter Barcode content is: >!010800414243.

Method two:

Scan the “Prefix Settings” Parameter Barcode

Prefix Settings

Scan the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

Sure

6.4 Suffix

Suffix Switch

A Suffix is a user-defined string appended after the Output Data. Scan the “Enable” Parameter Barcode to add it, or the “Disable” Parameter Barcode to remove it.

* Disable

Enable

Suffix Content Settings

There are two methods for suffix setting. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Add the suffix Parameter 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 Parameter 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 Parameter Barcode content is: >!010801414243.

Method two:

Scan the “Suffix Settings” Parameter Barcode

Suffix Settings

Scan the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

Sure

6.5 Add Prefix Based On Barcode Type

Add Prefix Switch Based On Barcode Type

A Prefix is a user-defined string appended before the Output Data. Scan the “Enable” Parameter Barcode to add it, or the “Disable” Parameter Barcode to remove it.

* Disable

Enable

Add Prefix Content Settings Based On Barcode Type

There are two methods for setting the prefix content. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Add a prefix according to the barcode type. The content format of the Parameter 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 Parameter 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 Parameter Barcode content is: >!01080601414243.

Method two:

Scan the "Prefix Settings" Parameter Barcode

Prefix Settings

Set the symbology by scanning the Numeric Barcodes in pairs.

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 by scanning the Numeric Barcodes in pairs.

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" Parameter Barcode to complete the setup.

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 Parameter Barcode in this manual according to the steps.

Method one:

The content format of clear prefix Parameter 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 Parameter Barcode content is: >!01080801.

Method two:

Scan the “Clear Prefix” Parameter Barcode

Clear Prefix

Clear the symbology by scanning the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

Sure

6.6 Add Suffix Based On Barcode Type

Add Suffix Switch According To Barcode Type

A Suffix is a user-defined string appended after the Output Data. Scan the “Enable” Parameter Barcode to add it, or the “Disable” Parameter Barcode to remove it.

* Disable

Enable

Add Suffix Content Settings According To Barcode Type

There are two methods for setting the suffix content. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Add a suffix according to the barcode type. The content format of the Parameter 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 Parameter 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 Parameter Barcode content is: >!01080701414243.

Method two:

Scan the “Suffix Settings” Parameter Barcode

Suffix Settings

Set the symbology by scanning the Numeric Barcodes in pairs.

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 by scanning the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

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 Parameter Barcode in this manual according to the steps.

Method one:

The content format of clearing the suffix Parameter 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 Parameter Barcode content is: >!01080901.

Method two:

Scan the “Clear Suffix” Parameter Barcode

Clear Suffix

Clear the symbology by scanning the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

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

* Disable

Enable

Hide Fixed Character Settings

There are two methods for hiding fixed character settings. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Hide fixed character Parameter 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 Parameter 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 Parameter Barcode content is: >!010802414243.

Method two:

Scan the “Hide Fixed Characters” Parameter Barcode

Hide Fixed Characters

Scan the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

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 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

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

For example, to set the start position to 11, use the Parameter Barcode content `>!00102A11`.

Method two:

Scan the “Start Position” Parameter Barcode

Starting Position

Scan the “Numeric Barcode”, starting from the number, scan the corresponding Numeric Barcode. For example, for the 11th digit, scan 1,1; for the 100th digit, scan 1,0,0.

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Keep Data End Position

There are two methods to end the settings. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

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

For example, to set the end position to 50, use the Parameter Barcode content `>!00102B50`.

Method two:

Scan the “End Position” Parameter Barcode

End Position

Scan the “Numeric Barcode”, start from the end number, and scan the corresponding Numeric Barcode. For example, for the 50th position, scan 5,0.

Scan the “OK” Parameter Barcode to complete the setup.

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 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

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

For example, to set the start position to 11, use the Parameter Barcode content `>!00102711`.

Method two:

Scan the “Start Position” Parameter Barcode

Starting Position

Scan the “Numeric Barcode”, starting from the number, scan the corresponding Numeric Barcode. For example, for the 11th digit, scan 1,1; for the 100th digit, scan 1,0,0.

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Hide Barcode Data End Position

There are two methods to end the settings. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

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

For example, to set the end position to 50, use the Parameter Barcode content `>!00102850`.

Method two:

Scan the “End Position” Parameter Barcode

End Position

Scan the “Numeric Barcode”, start from the end number, and scan the corresponding Numeric Barcode. For example, for the 11th position, scan 1,1;

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

Scan the “OK” Parameter Barcode to complete the setup.

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 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

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, to set the hidden-data start position for Code 128 to 11, Appendix F gives the Code 128 hexadecimal value as 01 and the hexadecimal value of 11 as 0B; use the Parameter Barcode content `>!01080A010B..`

Method two:

Scan the “Barcode Type and Starting Position” Parameter Barcode

Barcode Type And Starting Position

Set the symbology by scanning the Numeric Barcodes in pairs.

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 start position by scanning the Numeric Barcodes in pairs.

Position values are entered in hexadecimal. For example, position 11 corresponds to 0B, so scan 0 and B; position 100 corresponds to 64, so scan 6 and 4.

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Hide Data End Position Based On Barcode Type

There are two methods to end the settings. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

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, to set the hidden-data end position for Code 128 to 100, Appendix F gives the Code 128 hexadecimal value as 01 and the hexadecimal value of 100 as 64; use the Parameter Barcode content >!01080B0164..

Method two:

Scan the “Barcode Type and End Position” Parameter Barcode

Barcode Type And End Position

Set the symbology by scanning the Numeric Barcodes in pairs.

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 by scanning the Numeric Barcodes in pairs.

Position values are entered in hexadecimal. For example, position 11 corresponds to 0B, so scan 0 and B; position 100 corresponds to 64, so scan 6 and 4.

Scan the “OK” Parameter Barcode to complete the setup.

Sure

6.11 Hide Any Length of Leading Data by Symbology

This feature hides any number of unwanted leading characters for the selected symbology.

Hide Leading Data by Symbology

* Disable

Enable

Set Leading-data Length by Symbology

There are two ways to set the length. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

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 0x0000-0xFFFF.

For example, to hide 15 leading characters from Code 128 data, Appendix F gives the Code 128 hexadecimal value as 01 and the hexadecimal value of 15 as 0F; use the Parameter Barcode content `>!01080C010F..`

Method two:

Scan the “Barcode Type and Length” Parameter Barcode

Barcode Type And Length

Set the symbology by scanning the Numeric Barcodes in pairs.

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 by scanning the Numeric Barcodes in pairs.

Length values are entered in hexadecimal. For example, length 11 corresponds to 0B, so scan 0 and B; length 100 corresponds to 64, so scan 6 and 4.

Scan the “OK” Parameter Barcode to complete the setup.

Sure

6.12 Hide Any Length of Trailing Data by Symbology

This feature hides any number of unwanted trailing characters for the selected symbology.

Hide Trailing Data by Symbology

* Disable

Enable

Set Trailing-data Length by Symbology

There are two ways to set the length. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

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, to hide 12 trailing characters from Code 128 data, Appendix F gives the Code 128 hexadecimal value as 01 and the hexadecimal value of 12 as 0C; use the Parameter Barcode content `>!01080D010C..`

Method two:

Scan the “Barcode Type and Length” Parameter Barcode

Barcode Type And Length

Set the symbology by scanning the Numeric Barcodes in pairs.

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 by scanning the Numeric Barcodes in pairs.

Length values are entered in hexadecimal. For example, length 11 corresponds to 0B, so scan 0 and B; length 100 corresponds to 64, so scan 6 and 4.

Scan the “OK” Parameter Barcode to complete the setup.

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

* Disable

Enable

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 Parameter Barcode in this manual according to the steps.

Method one:

The content format of the custom inserted data Parameter 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 Parameter 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 Parameter Barcode content is: >!010803414243.

Method two:

Scan the “custom data” Parameter Barcode

Custom Data

Scan the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

Sure

Insertion Position

There are two methods for setting the insertion position. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

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

For example, to set the insertion position to 11, use the Parameter Barcode content `>!00102E11`.

Method two:

Scan the “Insert Position” Parameter Barcode

Insertion Position

Scan the “Numeric Barcode”, insert the position, and scan the corresponding Numeric Barcode. For example, for the 11th position, scan 1,1;

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

Scan the “OK” Parameter Barcode to complete the setup.

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. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

The content format of the replaced data Parameter 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 Parameter 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 Parameter Barcode content is: >!010804414243.

Method two:

Scan the “replaced data” Parameter Barcode

Data To Be Replaced

Scan the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

Sure

Replace Data Settings

There are two methods for replacing data settings. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Replacement data Parameter 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 Parameter 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 Parameter Barcode content is: >!010805414243.

Method two:

Scan the “Replace Data” Parameter Barcode

Replace Data

Scan the Numeric Barcodes in pairs.

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” Parameter Barcode to complete the setup.

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.

* Enable URL Code

Disable URL Codes

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 Parameter Barcode.

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

Invoicing Function Switch

* Disable

Enable

Invoice type

* Special Ticket

Popular Vote

6.18 GS1 Rules Enabled

Enable GS1 rules and enclose AI segments in parentheses.

* Disable	Enable

7 Character Settings

7.1 Character Set

Input Character Set

To configure the character set used by the Barcode Data, scan the "Input Character Set" Parameter Barcode.

* Automatic	GBK
UTF-8	ASCII
Shift-JISJapanese	

Output Character Set

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

*original Format

GBK

UTF-8

8 Barcode Settings

8.1 Barcode Global Operations

Global Switch

Disable

Enable

* Default

Global 1D Barcode Switch

Disable

Enable

* Default

Global 2D Barcode Switch

Disable

Enable

* Default

Barcode Security Level

Five security levels are available to reduce decoding errors under difficult conditions. Higher levels improve reliability but may reduce decoding speed.

Level 0	* Level 1
Level 2	Level 3
Level 4	

Multi-code Identification

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

Must Read Multiple Codes

* Disable	Enable

Read Multiple Codes

* 1	2
3	4
5	6

Global Inverse-reading Switch

Scan the following Parameter Barcode to enable/disable inverse reading.

> **Note**
>
> Enabling inverse reading globally may significantly reduce Barcode Reader performance. For commonly used symbologies, enable inverse reading only for the required symbology.

* Disable	Enable

Local Inverse-reading Switch

Code 128 inverse-reading switch

Scan the following Parameter Barcode to enable/disable inverse reading of Code 128 barcodes. This setting is also valid for GS1-128

* Disable	Enable

EAN/UPC Inverse-reading Switch

Scan the following Parameter Barcode to enable/disable inverse reading of EAN/UPC barcodes.

* Disable	Enable

ITF25 inverse-reading switch

Scan the following Parameter Barcode to enable/disable inverse reading of ITF25 barcodes.

* Disable	Enable

Code 39 inverse-reading switch

Scan the following Parameter Barcode to enable/disable inverse reading of Code 39 barcodes.

* Disable	Enable

Codabar inverse-reading switch

Scan the following Parameter Barcode to enable/disable inverse reading of Codabar barcodes.

* Disable	Enable

Code 93 inverse-reading switch

Scan the following Parameter Barcode to enable/disable inverse reading of Code 93 barcodes.

* Disable	Enable

8.2 Code 128

Code 128 Switch

Scan the following Parameter Barcode to enable/disable reading of Code 128 barcodes.

Disable	* Enable

Code 128 Minimum Length

There are two methods for setting the minimum length of Code 128. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Code 128 Minimum length Parameter 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 Parameter Barcode content is: >!0000122.

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

Method two:

Scan the “Code 128 Minimum Length” Parameter Barcode

Code 128 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Code 128 Maximum Length

There are two methods for setting the maximum length of Code 128. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Code 128 Maximum length Parameter 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 Parameter Barcode content is: >!0000139.

For example: Code 128 maximum length is set to 20, then the Parameter Barcode content is: >!00001320.

Method two:

Scan the “Code 128 Maximum Length” Parameter Barcode

Code 128 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

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

Scan the following Parameter 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. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

GS1 128 minimum length Parameter 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 Parameter Barcode content is: >!0000222.

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

Method two:

Scan the “GS1 128 minimum length” Parameter Barcode

GS1 128 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

GS1 128 Maximum Length

There are two methods for setting the maximum length of GS1 128. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

GS1 128 maximum length Parameter 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 Parameter Barcode content is: >!0000239.

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

Method two:

Scan the “GS1 128 maximum length” Parameter Barcode

GS1 128 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.4 EAN-8

EAN-8 Switch

Scan the following Parameter Barcode to enable/disable EAN-8 barcode reading.

Disable	* Enable

EAN-8 Check Digit Transmission

Scan the following Parameter Barcode to set whether EAN-8 transmits the check digit.

Disable	* Enable

EAN-8 Reads 2-digit Additional Code

Scan the following Parameter Barcode to set whether EAN-8 can read the 2-digit additional code.

* Disable	Enable

EAN-8 Reads 5-digit Additional Code

Scan the following Parameter Barcode to set whether EAN-8 can read the 5-digit additional code.

* Disable	Enable

Read Only With Add-on Code EAN-8

Scan the following Parameter Barcode to set whether to read only EAN-8 with additional code.

* Disable	Enable

8.5 EAN-13

EAN-13 Switch

Scan the following Parameter Barcode to enable/disable EAN-13 barcode reading.

Disable	* Enable

EAN-13 Check Digit Transmission

Scan the following Parameter Barcode to set whether EAN-13 transmits check digits.

Disable	* Enable

EAN-13 Reads 2-digit Additional Code

Scan the following Parameter Barcode to set whether EAN-13 can read the 2-digit additional code.

* Disable

Enable

EAN-13 Reads 5-digit Additional Code

Scan the following Parameter Barcode to set whether EAN-13 can read the 5-digit additional code.

* Disable

Enable

Read Only With Add-on Code EAN-13

Scan the following Parameter Barcode to set whether to read only EAN-13 with additional code.

* Disable

Enable

8.6 ISSN

Scan the following Parameter Barcode to enable/disable ISSN barcode reading.

Note

Disable ISSN, ISSN will be treated as EAN-13

* Disable

Enable

8.7 ISBN

Scan the following Parameter 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

Scan the following Parameter Barcode to enable/disable reading of UPC-E barcodes.

Disable

* Enable

UPC-E Check Digit Transmission

Scan the following Parameter Barcode to set whether UPC-E transmits the check digit.

Disable	* Enable

UPC-E Reads 2-digit Additional Code

Scan the following Parameter Barcode to set whether UPC-E can read the 2-digit additional code.

* Disable	Enable

UPC-E Reads 5-digit Additional Code

Scan the following Parameter Barcode to set whether UPC-E can read the 5-digit additional code.

* Disable	Enable

Read Only With Add-on Code UPC-E

Scan the following Parameter Barcode to set whether to read only UPC-E with additional code.

* Disable

Enable

Transmission system character “0”

Scan the following Parameter Barcode to set whether UPC-E transmits the system character “0”.

Disable

* Enable

UPC-E To UPC-A

Scan the following Parameter Barcode to set whether to convert UPC-E to UPC-A.

* Disable

Enable

UPC-E1 Switch

Scan the following Parameter Barcode to set whether to read UPC-E1.

* Disable

Enable

Transmit national character “0”

Scan the following Parameter Barcode to set whether UPC-E transmits the national character “0”.

* Disable

Enable

8.9 UPC-A

UPC-A Switch

Scan the following Parameter Barcode to enable/disable reading of UPC-A barcodes.

Disable

* Enable

UPC-A Check Digit Transmission

Scan the following Parameter Barcode to set whether UPC-A transmits the check digit.

Disable	* Enable

UPC-A Reads 2-digit Additional Code

Scan the following Parameter Barcode to set whether UPC-A can read the 2-digit additional code.

* Disable	Enable

UPC-A Reads 5-digit Additional Code

Scan the following Parameter Barcode to set whether UPC-A can read the 5-digit additional code.

* Disable	Enable

Read Only With Add-on Code UPC-A

Scan the following Parameter Barcode to set whether to read only UPC-A with additional code.

* Disable	Enable

Transmission system character “0”

Scan the following Parameter Barcode to set whether UPC-A transmits system characters.

Disable	* Enable

Transmit national character “0”

Scan the following Parameter 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

Scan the following Parameter Barcode to enable/disable reading of ITF25 barcodes.

Disable

* Enable

ITF25 Check Digit Verification

Scan the following Parameter Barcode to set whether the ITF25 check digit is verified.

* Disable

Enable

ITF25 Check Digit Transmission

Scan the following Parameter Barcode to set whether the ITF25 check digit is transmitted.

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

* Disable

Enable

ITF25 Minimum Length

There are two methods for setting the minimum length of ITF25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

ITF25 minimum length Parameter 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 Parameter Barcode content is: >!0000B32.

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

Method two:

Scan the “ITF25 minimum length” Parameter Barcode

ITF25 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

ITF25 Maximum Length

There are two methods for setting the maximum length of ITF25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

ITF25 maximum length Parameter 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 Parameter Barcode content is: >!0000B49.

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

Method two:

Scan the “ITF25 maximum length” Parameter Barcode

ITF25 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Brazilian Government/Bank Code

* Disable	Enable

8.11 NEC25/COOP25

NEC25 Switch

Scan the following Parameter Barcode to enable/disable NEC25 barcode reading.

* Disable	Enable

NEC25 Check Digit Verification

Scan the following Parameter Barcode to set whether the NEC25 check digit is verified.

* Disable	Enable

NEC25 Check Digit Transmission

Scan the following Parameter Barcode to set whether the NEC25 check digit is transmitted.

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

* Disable	Enable

NEC25 Minimum Length

There are two methods for setting the minimum length of NEC25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

NEC25 minimum length Parameter 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 Parameter Barcode content is: >!0001032.

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

Method two:

Scan the “NEC25 minimum length” Parameter Barcode

NEC25 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

NEC25 Maximum Length

There are two methods for setting the maximum length of NEC25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

NEC25 maximum length Parameter 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 Parameter Barcode content is: >!0001049.

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

Method two:

Scan the “NEC25 maximum length” Parameter Barcode

NEC25 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.12 MATRIX25

MATRIX25 Switch

Scan the following Parameter Barcode to enable/disable MATRIX25 barcode reading.

* Disable	Enable

MATRIX25 Check Digit Verification

Scan the following Parameter Barcode to set whether the MATRIX25 check digit is verified.

* Disable	Enable

MATRIX25 Check Digit Transmission

Scan the following Parameter 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 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

MATRIX25 minimum length Parameter 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 Parameter Barcode content is: >!0001132.

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

Method two:

Scan the “MATRIX25 minimum length” Parameter Barcode

MATRIX25 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

MATRIX25 Maximum Length

There are two methods for setting the maximum length of MATRIX25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

MATRIX25 maximum length Parameter 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 Parameter Barcode content is: >!0001149.

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

Method two:

Scan the “MATRIX25 maximum length” Parameter Barcode

MATRIX25 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.13 IND25

IND25 Switch

Scan the following Parameter Barcode to enable/disable reading of IND25 barcodes.

* Disable	Enable

IND25 Minimum Length

There are two methods for setting the minimum length of IND25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

IND25 minimum length Parameter 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 Parameter Barcode content is: >!0001232.

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

Method two:

Scan the “IND25 minimum length” Parameter Barcode

IND25 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

IND25 Maximum Length

There are two methods for setting the maximum length of IND25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

IND25 maximum length Parameter 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 Parameter Barcode content is: >!0001249.

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

Method two:

Scan the “IND25 maximum length” Parameter Barcode

IND25 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.14 STD25

STD25 Switch

Scan the following Parameter Barcode to enable/disable STD25 barcode reading.

* Disable

Enable

STD25 Minimum Length

There are two methods for setting the minimum length of STD25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

STD25 minimum length Parameter 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 Parameter Barcode content is: >!0001332.

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

Method two:

Scan the “STD25 minimum length” Parameter Barcode

STD25 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

STD25 Maximum Length

There are two methods for setting the maximum length of STD25. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

STD25 maximum length Parameter 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 Parameter Barcode content is: >!0001349.

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

Method two:

Scan the “STD25 maximum length” Parameter Barcode

STD25 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.15 Code 39

Code 39 Switch

Scan the following Parameter Barcode to enable/disable reading of Code 39 barcodes.

Disable	* Enable

Code 39 check digit verification

Scan the following Parameter Barcode to set whether the Code 39 check digit is verified.

* Disable	Enable

Code 39 Check Digit Transmission

Scan the following Parameter 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/Stop Character Transmission

Scan the following Parameter Barcode to set whether the Code 39 start/stop character is transmitted.

* Disable	Enable

Code 39 FULL ASCII Switch

Scan the following Parameter Barcode to enable/disable reading of Code 39 FULL ASCII barcodes.

* Disable	Enable

Code 39 Minimum Length

There are two methods for setting the minimum length of Code 39. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Code 39 Minimum length Parameter 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 Parameter Barcode content is: >!0001452.

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

Method two:

Scan the “Code 39 Minimum Length” Parameter Barcode

Code 39 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Code 39 Maximum Length

There are two methods for setting the maximum length of Code 39. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Code 39 Maximum length Parameter 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 Parameter Barcode content is: >!0001469.

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

Method two:

Scan the “Code 39 Maximum Length” Parameter Barcode

Code 39 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Code 32 Switch

Scan the following Parameter Barcode to enable/disable the setting of Code 39 to Code 32

* Disable	Enable

Code 32 prefix

Scan the following Parameter Barcode to set whether the Code 32 prefix is transmitted.

* Disable	Enable

Code 32 Check Digit Verification

Scan the following Parameter Barcode to set whether the Code 32 check digit is verified.

* Disable

Enable

Code 32 Check Digit Transmission

Scan the following Parameter 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

Scan the following Parameter Barcode to enable/disable Codabar barcode reading.

* Disable

Enable

Codabar Check Digit Verification

Scan the following Parameter Barcode to set whether the Codabar check digit is verified.

* Disable

Enable

Codabar Check Digit Transmission

Scan the following Parameter 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/Stop Character Transmission

Scan the following Parameter Barcode to set whether the Codabar start/stop character is transmitted.

Disable

* Enable

Codabar Start/Stop Character Format

Scan the following Parameter Barcode to set the Codabar start/stop character format.

* Ordinary ABCD Format	ABCD/TN*E Format

Codabar Start/Stop Character Case

Scan the following Parameter Barcode to set whether the Codabar start/stop character is uppercase or lowercase.

*uppercase	Lower Case

Codabar Minimum Length

There are two methods for setting the minimum length of Codabar. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Codabar minimum length Parameter 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 Parameter Barcode content is: >!0001562.

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

Method two:

Scan the “Codabar Minimum Length” Parameter Barcode

Codabar Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Codabar Maximum Length

There are two methods for setting the maximum length of Codabar. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Codabar maximum length Parameter 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 Parameter Barcode content is: >!0001579.

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

Method two:

Scan the “Codabar Maximum Length” Parameter Barcode

Codabar Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.17 Code 93

Code 93 Switch

Scan the following Parameter 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. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Code 93 Minimum length Parameter 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 Parameter Barcode content is: >!0001632.

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

Method two:

Scan the “Code 93 Minimum Length” Parameter Barcode

Code 93 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Code 93 Maximum Length

There are two methods for setting the maximum length of Code 93. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Code 93 Maximum length Parameter 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 Parameter Barcode content is: >!0001649.

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

Method two:

Scan the “Code 93 Maximum Length” Parameter Barcode

Code 93 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.18 Code 11

Code 11 Switch

Scan the following Parameter Barcode to enable/disable reading of Code 11 barcodes.

* Disable

Enable

Code 11 Check Digit Verification

Scan the following Parameter Barcode to set whether the Code 11 check digit is verified.

* No Verification

One Check Digit

Two Check Digits

Code 11 Check Digit Transmission

Scan the following Parameter 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. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Code 11 Minimum length Parameter 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 Parameter Barcode content is: >!0001732.

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

Method two:

Scan the “Code 11 Minimum Length” Parameter Barcode

Code 11 Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

Code 11 Maximum Length

There are two methods for setting the maximum length of Code 11. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

Code 11 Maximum length Parameter 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 Parameter Barcode content is: >!0001749.

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

Method two:

Scan the “Code 11 Maximum Length” Parameter Barcode

Code 11 Maximum Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.19 MSI Plessey

MSI Plessey Switch

Scan the following Parameter Barcode to enable/disable MSI Plessey barcode reading.

* Disable

Enable

MSI Plessey Check Digit Verification

Scan the following Parameter 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

Scan the following Parameter 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. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

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

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

For example: MSI Plessey’ s minimum length is set to 12, then the Parameter Barcode content is: >!00019312.

Method two:

Scan the “MSI Plessey Minimum Length” Parameter Barcode

MSI Plessey Minimum Length

Scan the “Numeric Barcode”. For example, if the minimum length is 2 digits, scan 2; if the minimum length is 12 digits, scan 1,2

Scan the “OK” Parameter Barcode to complete the setup.

Sure

MSI Plessey Max Length

There are two methods for setting the maximum length of MSI Plessey. Method 1 requires the user to generate a QR code and is more flexible when configuring multiple values. Method 2 uses the Parameter Barcodes in this manual; scan them in the specified sequence.

Method one:

MSI Plessey maximum length Parameter 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 Parameter Barcode content is: >!0001949.

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

Method two:

Scan the “MSI Plessey Maximum Length” Parameter Barcode

MSI Plessey Max Length

Scan the “Numeric Barcode”. For example, if the maximum length is 9 digits, scan 9; if the maximum length is 20 digits, scan 2,0

Scan the “OK” Parameter Barcode to complete the setup.

Sure

8.20 GS1 DataBar/RSS

Scan the following Parameter Barcode to enable/disable reading of GS1 DataBar barcodes.

* Disable	Enable

8.21 Composite Code

Scan the following Parameter Barcode to enable/disable reading of Composite Code barcodes.

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

* Disable	Enable

8.22 TELEPEN

Scan the following Parameter Barcode to enable/disable TELEPEN barcode reading.

* Disable	Enable

8.23 TRIOPTIC

Scan the following Parameter Barcode to enable/disable TRIOPTIC barcode reading.

* Disable

Enable

8.24 HONG KONG 2 OF 5/CHINA POST

Scan the following Parameter Barcode to enable/disable reading of the HONG KONG 2 of 5 barcode.

* Disable

Enable

8.25 Korea Post/Korea Post

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

* Disable

Enable

KOREA POST Check Digit Transmission

Scan the following Parameter Barcode to set whether the KOREA POST check digit is transmitted.

* Disable

Enable

KOREA POST Data Reversed

* Disable

Enable

8.26 PDF417

PDF417 Switch

Scan the following Parameter Barcode to enable/disable reading of PDF417 barcodes.

Disable

* Enable

PDF417 Inverse Reading

Scan the following Parameter Barcode to configure PDF417 inverse reading.

* Read Only Positive Colors

Read Inverse Barcodes Only

Read Normal and Inverse Barcodes

8.27 QR Code

QR Switch

Scan the following Parameter Barcode to enable/disable reading of QR barcodes.

Disable

* Enable

QR Code inverse reading

Scan the following Parameter Barcode to configure QR Code inverse reading.

* Read Only Positive Colors

Read Inverse Barcodes Only

Read Normal and Inverse Barcodes

QR Code Mirror Reading

Scan the following Parameter Barcode to set whether the image QR Code can be read.

Disable

* Enable

8.28 Data Matrix (DM)

Data Matrix Switch

Scan the following Parameter Barcode to enable/disable reading of Data Matrix barcodes.

Disable

* Enable

Data Matrix inverse reading

Scan the following Parameter Barcode to configure Data Matrix inverse reading.

* Read Only Positive Colors

Read Inverse Barcodes Only

Read Normal and Inverse Barcodes

Data Matrix Image Reading

Scan the following Parameter Barcode to set whether the image Data Matrix code can be read.

* Disable

Enable

DM ECI Control

* Disable

Enable

8.29 Aztec Code

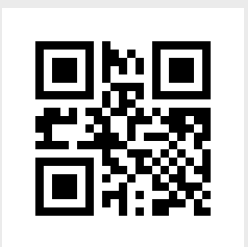
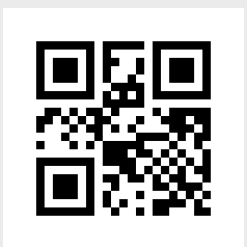
Scan the following Parameter Barcode to enable/disable reading of AZTEC CODE barcodes.

* Disable	Enable

9 Appendix

9.1 Numeric Barcode

The appendix contains numbers 0-9; letters A-F; cancel; confirm Parameter Barcodes.

0	1
2	3
4	5
6	7
	
8	9

A

B

C

D

E

F

Sure

Cancel

9.2 Code ID

Code Character	Barcode Types
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 Types
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 Types	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 Types	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 Types

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 Symbologies	FFh