



# NT-5090 User Manual

*Release v1.0.0*

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Start Setup

## 1 System Settings

### Important

When modifying the parameters on this page, scan “Start Settings” first, then scan the target setting barcode; scan “End Settings” after completion.

### 1.1 Restore Factory Defaults

#### Warning

Scanning this setting barcode will restore the code reading device to factory default settings. Please confirm that the current configuration has been recorded.



Restore Factory Defaults

### 1.2 Prompt Output

#### Buzzer prompt

Buzzer prompts include power-on prompts and decoding success prompts.



Enable buzzer



\*Disable buzzer

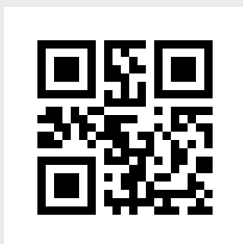
#### Voice prompt

Prompt sounds include decoding success prompts, WeChat/Alipay voice broadcasts and power-on prompts.





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\*Enable voice prompts



Disable voice prompts

In particular, after disabling payment barcode voice, you can turn off WeChat and Alipay voice reminders.



Disable payment barcode voice

After the payment barcode voice is disabled, there are two prompt methods for non-payment barcode voice: “Ding Dong” and “Scan code completed, start printing”. Select one of the two to take effect, which can be configured through the following setting barcode.



Enable “Ding Dong” alerts



Enable the “Scan QR code completed, start printing”  
prompt





Start Setup

## Volume settings



Volume level 1



Volume Level 2



Volume level 3



Volume level 4



Volume level 5

### 1.3 Read firmware version

Scan the following setting barcode to output the current firmware version information.



Read firmware version

### 1.4 Update firmware





Start Setup



Update firmware

## 1.5 Operation example

| Example            | Target                                       | Scan Order                                                             |
|--------------------|----------------------------------------------|------------------------------------------------------------------------|
| Function example 1 | Enable buzzer prompts, disable voice prompts | Start setting -> Enable buzzer -> Disable voice prompts -> End setting |
| Function example 2 | Enter automatic sensing mode                 | Start setting -> Auto sensing mode -> End setting                      |

## 2 Device Feature Settings

### Important

When modifying the parameters on this page, scan “Start Settings” first, then scan the target setting barcode; scan “End Settings” after completion.

### 2.1 Illumination



\* Enable fill light



Disable fill light

### 2.2 Indicator

This setting is effective when the fill light is enabled.





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Enable



Disable

## 2.3 Invoice mode

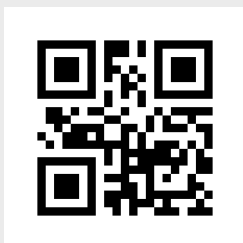


Allow invoice mode



Disable invoice mode

## 2.4 ECI mode



Enable ECI mode



Disable ECI mode

# 3 Trigger Settings

### Important

When modifying the parameters on this page, scan “Start Settings” first, then scan the target setting barcode; scan “End Settings” after completion.

## 3.1 reading mode

### Continuous Decode Mode

Reading is continuous in this mode.





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Continuous Decode Mode



Same code delay 0



Same code delay 3000



Same code delay 5000



Different code delay 0



Different code delay 3000



Different code delay 5000

### Auto sensing mode

In this mode, when the movement of the object is detected, the code reading device starts reading; after the reading is successful or the single reading time exceeds, the reading device will exit.



Auto sensing mode





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## One shot mode

In this mode, after successful reading, you need to experience a reading failure before the same barcode will be output again.



One shot mode

## 4 Interface Settings

### Important

When modifying the parameters on this page, scan “Start Settings” first, then scan the target setting barcode; scan “End Settings” after completion.

### 4.1 Communication interface

#### USB HID-KBW



Switch to USB HID-KBW interface

#### Key delay setting

The key-pressing time interval during continuous key-pressing operations on the virtual keyboard. The interval is from the last key release to the next key press. The inter-key delay setting range is 0~75ms, and the default inter-key delay is 2ms.



Default delay



no delay





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short delay



long delay

## USB virtualserial

When the code reading module uses the USB communication interface, but the host application uses serial communication to receive data, the code reading module can be set to the USB virtual serial communication method. This feature requires the appropriate driver to be installed on the host machine.



Switch to USB virtual serial port

## USB HID-POS

The USB HID-POS interface is recommended for new applications. Based on HID interface, no driver installation is required.



Switch to USB HID-POS interface

## serial





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Switch to serial port

## Baud Rate

The unit of Baud Rate is bits per second (bps: bits per second). The optional configuration parameters are as follows.





Start Setup



1200



2400



4800



9600



14400



19200



38400



57600



115200



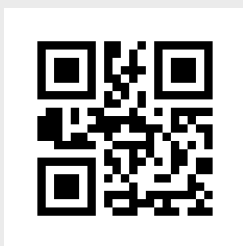


## 5 Output Settings

### Important

When modifying the parameters on this page, scan “Start Settings” first, then scan the target setting barcode; scan “End Settings” after completion.

### 5.1 Output format



no terminator



Carriage Return And Line Feed



Enter



Tab

### 5.2 Chinese encoding format

In order to allow the code reading device to read Chinese barcodes in different encoding formats, you can set the “Input Data Encoding Format” . Supports GBK, UTF-8 and auto recognition, default is auto.

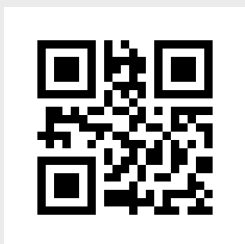
In order to allow the code reading device to output Chinese data according to the specified encoding format, you can set the “Output Data Encoding Format” . Supports GBK, UTF-8 and Unicode, default is GBK.





Start Setup

## Input data encoding format



Enter encoding GBK



Input encoding UTF-8



Enter code automatically

## Output data encoding format



Output encoding UTF-8



Output encoding GBK



Output encoding Unicode

## 6 Barcode configuration





Start Setup

### **Important**

When modifying the parameters on this page, scan “Start Settings” first, then scan the target setting barcode; scan “End Settings” after completion.

## **6.1 Code Enable**

### **Important**

When modifying this group of parameters, scan “Start Settings” first, then scan the target setting barcode; scan “End Settings” after completion.

### **All encodings enabled**

Scan the following setting barcode to configure the reading enable/disable status of all supported symbol-ogies. After All Symbologies are disabled, only the setting barcode is allowed to be read.



\*Allow reading of All Symbologies



Disable reading of all symbologies

### **Default encoding enabled**





Start Setup



Default code reading system

## QR Code

Scan the following setting barcode to configure the enabling/disabling status of QR Code barcode reading.



\*Allow reading of QR Code



Disable reading of QR Code

## EAN-13

Scan the following setting barcode to configure the enable/disable status of EAN-13 barcode reading.



\*Allow reading of EAN-13



Disable reading EAN-13





Start Setup

## Code 128

Scan the following setting barcode to configure the enable/disable status of Code 128 barcode reading.



\*Allow reading of Code 128



Disable reading Code 128

## Code 39

Scan the following setting barcode to configure the enable/disable status of Code 39 barcode reading.



\*Allow reading of Code 39



Disable reading Code 39

## Code 32



Disable Code 32



Enable Code 32

## Full ASCII Support

The encoding method of Code 39 can include the representation of all ASCII characters. Through settings, the scan engine can support barcodes containing the full ASCII character set.





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Enable Full ASCII



Disable Full ASCII

## EAN-8

Scan the following setting barcode to configure the enabling/disabling status of EAN-8 barcode reading.



\*Allow reading EAN-8



Disable reading EAN-8

## UPC-A

Scan the following setting barcode to configure the enabling/disabling status of UPC-A barcode reading.



\*Allow reading of UPC-A



Disable reading UPC-A





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## UPC-E0

Scan the following setting barcode to configure the enabling/disabling status of UPC-E0 barcode reading.



\*Allow reading UPC-E0



Disable reading UPC-E0

## UPC-E1

Scan the following setting barcode to configure the enabling/disabling status of UPC-E1 barcode reading.



\*Allow reading UPC-E1



Disable reading UPC-E1

## Interleaved 2 of 5

Scan the following setting barcode to configure the enabling/disabling status of Interleaved 2 of 5 barcode reading.



\*Allow reading Interleaved 2 of 5



Disable Reading Interleaved 2 of 5





Start Setup

Codabar



Allow reading Codabar



Disable reading Codabar

Code 93



Allow reading Code 93



Disable reading Code 93

PDF417



Allow reading PDF417



Disable reading PDF417





Start Setup

Data Matrix



Allow reading Data Matrix



Disable reading Data Matrix

