NT-20 Barcode Scanner User Manual

Release v1.1.1

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1 System Settings

Important

When modifying the parameters on this page, scan “Start Setup” first, then scan the target Parameter Barcode; scan “End Setup” after completion.

1.1 Restore Factory Defaults

Warning

Scanning this Parameter Barcode will restore the Barcode Reader 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.

*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 Parameter Barcode.

Enable “Ding Dong” alerts

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

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 Parameter Barcode to output the current firmware version information.

Read Firmware Version

1.4 Update firmware

Update firmware

1.5 Operation example

Example	Target	Scan Order
Function example 1	Enable buzzer prompts, disable voice prompts	Start Setup -> Enable buzzer -> Disable voice prompts -> End Setup
Function example 2	Enter presentation mode	Start Setup -> Presentation Mode -> End Setup

2 Device Feature Settings

Important

When modifying the parameters on this page, scan “Start Setup” first, then scan the target Parameter Barcode; scan “End Setup” after completion.

2.1 Illumination

* Enable fill light

Disable fill light

2.2 Indicator

This setting is effective when the fill light is enabled.

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 Setup” first, then scan the target Parameter Barcode; scan “End Setup” after completion.

3.1 Scan Mode

Continuous Decode Mode

Reading is continuous in this mode.

Continuous Decode Mode

same symbol timeout 0

same symbol timeout 3000

same symbol timeout 5000

Different code delay 0

Different code delay 3000

Different code delay 5000

Presentation Mode

In this mode, the Barcode Reader starts scanning when it detects a moving object. A successful decode or expiration of the Decode Timeout ends the scan session.

Presentation Mode

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 Setup” first, then scan the target Parameter Barcode; scan “End Setup” after completion.

4.1 Communication interface

USB HID-KBW

Switch to USB HID-KBW interface

Inter-key Delay Settings

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

short delay

long delay

USB Virtual COM Port

When the Scan Engine uses the USB communication interface, but the host application uses serial communication to receive data, the Scan Engine can be set to the USB Virtual COM Port communication method. This feature requires the appropriate driver to be installed on the host machine.

Switch to USB Virtual COM 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

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.

1200	2400
4800	9600
14400	19200
38400	57600
115200	

5 Output Settings

Important

When modifying the parameters on this page, scan “Start Setup” first, then scan the target Parameter Barcode; scan “End Setup” 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 Barcode Reader 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 Barcode Reader 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.

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

Important

When modifying the parameters on this page, scan “Start Setup” first, then scan the target Parameter Barcode; scan “End Setup” after completion.

6.1 Code Enable

Important

When modifying this group of parameters, scan “Start Setup” first, then scan the target Parameter Barcode; scan “End Setup” after completion.

All symbologies enabled

Scan the following Parameter Barcode to configure the reading enable/disable status of all supported symbologies. After All Symbologies are disabled, only the Parameter Barcode is allowed to be read.

*Allow reading of All Symbologies	Disable reading of all symbologies

Default symbology enabled

Default Symbologies

QR Code

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

*Allow reading of EAN-13	Disable reading EAN-13

Code 128

Scan the following Parameter 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 Parameter 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.

Enable Full ASCII	Disable Full ASCII

EAN-8

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

*Allow reading of UPC-A	Disable reading UPC-A

UPC-E0

Scan the following Parameter 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 Parameter 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 Parameter 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

Codabar

Allow reading Codabar

Disable reading Codabar

Code 93

Allow reading Code 93

Disable reading Code 93

PDF417

Allow reading PDF417

Disable reading PDF417

Data Matrix

Allow reading Data Matrix

Disable reading Data Matrix