Quick Setup Guide

This is 1D&2D plug and play model if you use a US keyboard. If you use other type of keyboard, plug the USB cable on your device, setup keyboard language before you use it. (refer to below Keyboard Language Type) after that the scanner can start to work.

If you want to do other configurations please refer to below programming barcodes.

Barcode Programming

Netum barcode scanners are factory programmed for the most common terminal and communications settings. If you need to change these settings, programming is accomplished by scanning the bar codes in this guide. An asterisk (*) next to an option indicates the default setting.

Keyboard Language Type

Keyboard layouts vary from country to country. The default setting is U.S. keyboard. In order to let scanner upload the codes in a correct way, you have to set the keyboard language.

For example If you use French Keyboard, scan below barcode of “French keyboard”. Then the scanner will upload barcodes according to French keyboard layout. American Keyboard is set by default, if you use a US keyboard you can ignore this part.

<table>
<thead>
<tr>
<th>Barcode Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>E9D042</td>
<td>France</td>
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<tr>
<td>E9D043</td>
<td>Germany</td>
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</table>
Interface (Optional)

USB Interface

USB HID-KBW

When you connect the scanner to the Host via a USB connection, you can enable the USB HID-KBW feature by scanning the barcode below. It works on a Plug and Play basis and no driver is required.

USB Serial Port

If you connect scanner to the Host via a USB connection, the USB COM Port Emulation feature allows the Host to receive data in the way as a serial port does.
Driver is required to be installed on MAC system when use USB COM Port.

Please download the driver from below link

http://www.gzxllscan.com/downloads/ Upgrad Pack for NT-M5 and NT-1228 used on MAC

RS232 Interface

RS232

Restore factory default

Scanning the following barcode can restore the scanner to the factory defaults.

Enter Setup/Exit Setup

Follow below steps to restore factory default configuration.

Scan ‘Enter Setup’ → Restore Factory → Exit Setup

Terminator

The scanner provides a shortcut for setting the terminating character suffix to CR or CRLF and enabling it by scanning the appropriate barcode below.

Add Enter  Cancel Enter
Beep Notification
Beep Volume can be configured by scanning the appropriate barcode below.

Aiming
When scanning/capturing image, the engine projects an aiming pattern which allows positioning the target barcode within its field of view and thus makes decoding easier.
1D Symbologies

UPC/EAN

*Enable

Codabar

*Enable

No Check Digit*

Check Digit and Transmit

Transmit Start Character

Do not Transmit start Character*
**Code 39**

![Barcode Image](image1)

*Enable

![Barcode Image](image2)

Disable

![Barcode Image](image3)

*No Check Digit

![Barcode Image](image4)

Check Digit

![Barcode Image](image5)

Check digit and transmit

![Barcode Image](image6)

Transmit Start Character

![Barcode Image](image7)

Do not Transmit start Character

**Code 32**

![Barcode Image](image8)

*Enable

![Barcode Image](image9)

Disable
**Full ASCII Code39**

Enable

*Disable

**Interleaved 2 of 5**

*Enable

Disable

*No Check Digit

Check Digit

Check digit and transmit

**Code 93**

Enable

*Disable
Straight 2 of 5 Industrial

Enable

* Disable

Matrix 2 of 5

Enable

* Disable

Code 11

Enable

* Disable

Code 128

*Enable

Disable

Telepen

*Enable

Disable
UPC-A

Enable Disable

EAN-13

Enable Disable

EAN-8

Enable Disable

MSI

Enable Disable
**GS1 DataBar Omnidirectional**

*Enable

**GS1 DataBar Limited**

Enable

* Disable

**GS1 DataBar Expanded**

Enable

* Disable

**Inverse Color Code Scan**

By scanning “inverse color code scan on” allows the scanner to read barcodes that are inverted.

The examples of regular barcode and inverse barcode are shown below.

Regular 1D barcode: Dark image on a bright background.

Inverse 1D barcode: Bright image on a dark background.
Important Note: Above programming barcodes only applies for 1D barcode. If you want to enable the scanner to read inverse 2D codes, first find the type of 2D barcodes from below 2D Symbologies then read the relevant programming code to enable it.

Please refer to the specific type of 2D barcode to enable the scanner reading Inverse 2D barcodes

2D Symbologies
Enable Invert Micro QR Scan

Data Matrix Code

Enable Invert Data Matrix Scan

Aztec Code

Enable Invert Aztec Scan

*Disable Invert Micro QR Scan

Enable

FFA222

FFA220

Enable Invert Data Matrix Scan

Enable

FFA211

FFA210

Enable Invert Aztec Scan

Enable

FF9011

FF9010

*Disable Invert Aztec Scan

Enable

FF9111

FF9110
Han Xin Code

Enable

MaxiCode

Enable

GS1 Composite codes

Enable
Program the Custom Prefix & Suffix

Custom one prefix

Example 1

Custom a prefix of “@”.

Check the value of “@” in the ASCII Table . (174)

1. Scan “Enter Setup” barcode to make the device into programming mode.
2. Scan “Set First Prefix”.
3. Scan the numeric barcodes “1”, “7”, “4”.
4. Scan “Exit Setup” barcode to make the device exit programming mode.

Custom one suffix

Example 2

Custom a suffix of “$”

Check the value of “$” in the ASCII Table . (036)

1. Scan “Enter Setup” barcode to make the device into programming mode.
2. Scan ”Set First Suffix”.
3. Scan the numeric barcodes “1”, “3”, “6”.
4. Scan “Exit Setup” barcode to make the device exit programming mode.
Custom several prefixes

Example 3

Custom prefix of “$” and ”@”

Check the value of “@” in the ASCII Table. (174)

1. Scan “Enter Setup” barcode to make the device into programming mode.
2. Scan “Set First Prefix”.
3. Scan the numeric barcodes “1”, “7”, “4”.
4. Scan “Set Second Prefix”.
5. Scan the numeric barcodes “1”, “3”, “6”.
6. Scan “Exit Setup” barcode to make the device exit programming mode.

Custom several suffixes

Example 4

Custom suffix of “$” and ”@”

Check the value of “@” in the ASCII Table. (174)

1. Scan “Enter Setup” barcode to make the device into programming mode.
2. Scan ”Set First Suffix”.
3. Scan the numeric barcodes “1”, “7”, “4”.
4. Scan ”Set Second Suffix”.
5. Scan the numeric barcodes “1”, “3”, “6”.
6. Scan “Exit Setup” barcode to make the device exit programming mode.
“Enter Setup”

Set First Prefix

Set Third Prefix

Clear All Prefix

“Exit Setup”

Set Second Prefix

Set Fourth Prefix
Byte Code Value
**Appendix 1: Barcode type table**

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<tr>
<th>Barcode byte value</th>
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## Appendix 2: ASCII TABLE

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