

# NETUM<sup>®</sup>

- Bluetooth Connection
- 2.4Ghz Wireless Connection
- USB Wired Connection

**Package Included:**

1 X Scanner; 1 X USB Receiver; 1 X USB Cable; 1 X Quick Setup Guide

## 2.Working via 2.4GHz USB Receiver (By default)

- ①.Scan " RF 2.4GHz Transmission".
- ②.Plug the USB receiver on your device.
- ③.Set Keyboard language→See page (7) .
- ④.Locate cursor on the place where you want scanner to output the codes after that you can start to scan.



%#IFSNO\$1  
\*RF 2.4GHz Transmit

## 3.Working via Bluetooth

- ①.Scan "Bluetooth Transmission".
- ②.Power on scanner by triggering the button.
- ③.Pair bluetooth. →See page(3 )  
Bluetooth HID mode (Basic Mode) was set by default.  
If you want to work via BLE or SPP , please contact us.
- ④.Set Keyboard language→See page (7).
- ⑤.Open a file or software, locate cursor on the place where you want the scanner to output the codes then you can start to scan.



%#IFSNO\$4  
Bluetooth Transmission

## Bluetooth Connection Modes

### 1.Basic Mode (HID) (Default)\*

Human Interface Device Profile

By scanning below barcode scanner will enter "Basic Mode".

For the details on how to pair bluetooth on Basic Mode see page (3)



AT+MOBE=2  
Basic Mode

### Basic Mode Features:

- NO software installation required
- Connects to most devices
- Scanner interacts with host device like a keyboard

### How to pair bluetooth under Basic Mode (HID) ?

Android: Connect Android Device in Basic Mode (HID)

1. Power on the scanner. The LED light will be flashing.
2. Touch Home | Menu | Settings | Wireless & Networks | Bluetooth settings
3. Make sure the device has Bluetooth "On".
4. In the list of found devices, select "Netum Bluetooth". Tap Pair.
5. The scanner will make one long beep after bluetooth paired and LED light will turn to solid blue (no blinking).

Apple: Connect Apple iOS Device (HID)

1. Power on the scanner. Blue LED light will start to flash.
2. Start a Bluetooth device search.  
iOS: Tap Settings | General | Bluetooth. Turn on. A Bluetooth device search will begin.
3. In the device list, tap on "Netum Bluetooth". Tap Pair.
4. The scanner will make one beep once it's connected and LED light will turn to solid blue (no blinking) and is ready to scan.

Windows: Connect Windows PC (HID)

1. Power on the scanner. Make sure the scanner is discoverable (unpaired).
2. Use your computer's Bluetooth Settings to connect to the scanner.
3. Open Devices and Printers and select "Add a device".
4. In the device list, select "Netum Bluetooth". Click Next.
5. Follow the remaining screens to complete the wizard.
6. The scanner will make one beep once it's connected and LED light will turn to solid blue (no blinking) and is ready to scan.

Important Note:

Scanner will power off automatically if device is not connected within 1min.

## USB Wired Connection Mode

USB HID-KBW

By default, the scanner is in HID mode as a Keyboard device. It works on a Plug and Play basis and no driver is required.



%#IFSOS\$2

\* USB HID-KBW

USB COM (Virtual Serial Port)

If you connect the 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. A driver might be required for this feature.



%#IFSOS\$3

USB COM (Virtual Serial Port)

## Barcode Programming

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

Important Notes: Many of the command barcodes only work with a scanner in a particular Bluetooth or 2.4GHz mode as indicated by the header row of each page.

## Factory Restore

Factory Reset will restore scanner to Factory Default settings (configured as shipped). By scanning below command barcode could reset NT-1228BL



%#IFSNO\$B

Factory Restore

Important Note: Above "Factory Restore" is only applied to Model NT-1228BL

By scanning below command barcodes could NT-1228BC will be reset.  
**Important Note:** All below four command barcodes have to be scanned when reset the scanner.



Factory Restore



Serial Port



Baud Rate



Enter+LF

**Important Note:** Above "Factory Restore" is only applied to Model NT-1228BC

## Keyboard Language

For example: If you use French Keyboard, scan barcode of "French Keyboard".  
 Locate the cursor on the place where you want to output the data then you can start to scan. American Keyboard is set by default, if you use a US keyboard you can just ignore it.



\$LAN#EN

\*America EN keyboard



\$LAN#FR

French keyboard



\$LAN#GE

Germany keyboard



\$LAN#IT

Italy keyboard



\$LAN#ES

Spain keyboard



\$LAN#TK

Turkey Q keyboard



\$LAN#UK

UK keyboard



\$LAN#FC

Canadian FR keyboard

## Working Mode (Apply for 2.4GHz and Bluetooth Connection)

**Normal Mode:** Data will be uploaded after each scan at real time.



\*Normal Mode

**Store Mode:** All scanned data will be stored directly into the memory of the device



Store Mode

**Output Stored Data:** All data entries in the buffer memory will be manually upload after reconnecting to the working station.



Output Stored Data

**Output Total Entry:** Gross quantity of the uploaded data entries will be summaris



Output Total Entry

**Clear Memory:** All data in the buffer memory will be deleted.



Clear Memory

## Beep Settings

**Beep Off:** Disable scanner from beeping to indicate successful scans.



\$BUZZ#0  
Beep OFF

**Beep On:** Enable scanner to beep to indicate successful scans.



\$BUZZ#1  
\*Beep On

## 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.



3030051  
\*CR+LF



3030053  
TAB



3030052  
CR



30300530  
No terminator

## Idle Time

Scanner connected to a device will power off within 1 min if idle/inactive. By scanning below command barcode will change the default idle time.



\$POWER#OFF  
Power Off



\$RF#ST00  
Disabled Idle



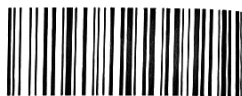
\$RF#ST02  
\*1 Mins



\$RF#ST06  
3Mins



\$RF#ST20  
10Mins



\$RF#ST60  
30Mins

### Charge the battery

When scanner makes 2 beeps or battery volume under 20% please plug USB cable into scanner and connect the other side with your device to charge power for it.

By scanning below barcode you can get the remaining battery volume.



%BAT\_VOL#  
Get Battery Rough Volume

- Red Light = Charging
- Green Light= Fully charged

### Firmware Version:

Read below command barcode to check scanner's firmware version.



\$SW#VER

Note: Please always provide scanner's firmware version for reference when you turn to service team for help.

Beep Type	Beep Sound	Indication
Prompt Tone	2 beeps	1.Successful scan on command barcode; 2.Power On 3.USB cable connected
	1 long beep	1.Bluetooth connected,
	1 short beep	1.successful scan on normal barcode; 2.Power Off
Warning Tone	2 beeps	1.Low battery volume
	3 beeps	1.Data transmit failed; 2.Memory is full
	Continuous beeps	1.RF pairing
	5 beeps	1.Battery volume is low fail to power on

LED	Indication
RED	RED ON= Charging
GREEN	GREEN ON= Fully Charged
BLUE ON THEN OFF	Successful scan
BLUE LIGHT KEEPS BLINKING	Bluetooth Pairing/RF Pairing
SOLID BLUE,NO BLINKING	Bluetooth Connected