

**NETUM**

**C830 C Series  
Barcode Scanner**



## Netum C830 C Series Barcode Scanner User Manual

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**NETUM**

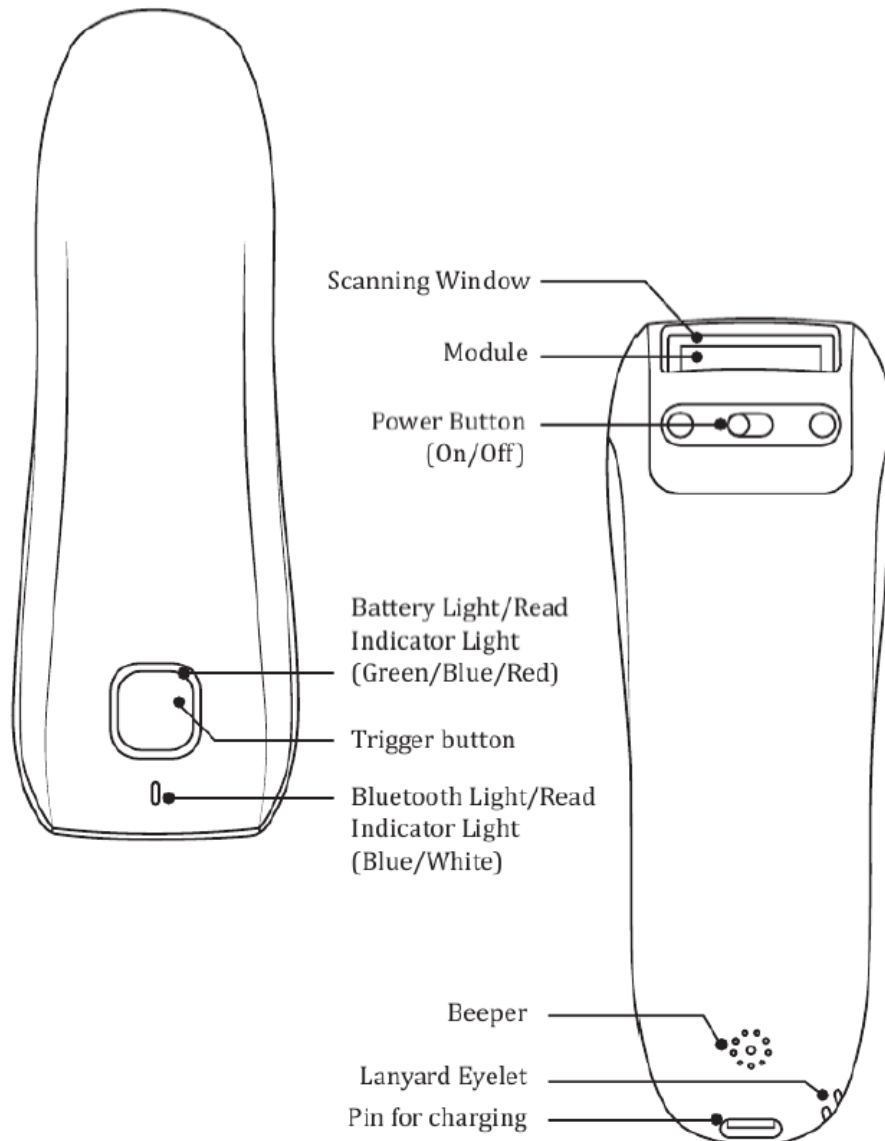
### Netum C830 C Series Barcode Scanner User Manual



## Package Included

- 1PC X Scanner
- 1PC X 2.4G USB Receiver
- 1PC X USB Cable
- 1PC X Quick Setup Guide

## Product Information



## Firmware Version

The firmware version will be displayed by scanning "\$SW#VER".






\$SW#VER

## 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.


## Notes

- Many command barcodes only work with scanners in a particular connection mode.
- Please pay attention to the below symbol when you scan the command barcodes.
-  Command barcodes only apply to scanner work via Bluetooth connection.
-  Command barcodes only apply to scanner work via Wireless Connection.
-  Command barcodes only apply to scanner work via USB Wired Connection


## Connection Way

The scanner can be connected to your device via Bluetooth, USB receiver or USB cable, you can choose one of the connection ways to connect the scanner to your device.

### Working Via USB Cable

 Get Started: Connect the scanner to your device via a USB cable. If you use a US keyboard, it's plug-and-play. If you use another type of keyboard, please refer to "keyboard language" to configure the keyboard language before you use it.


### Working Via USB Dongle (Wireless Mode)

 Get Started: Plug the USB dongle on your computer. If you use a US keyboard, it's plug-and-play. If you use another type of keyboard, please refer to "keyboard language" to configure the keyboard language before using it.



%#IFSNO\$1  
\*Wireless Transmit

### Working Via Bluetooth

 Get Started: Scan "Working via Bluetooth", pairing the Bluetooth. The US Keyboard is set by default, if you use other types of keyboards, please configure the keyboard language before you use it.



%#IFSNO\$4  
Working via Bluetooth

## Notes

- Pressing the scan button will initiate the attempts to connect.
- If a connection is made, the blue light will stop blinking and turn solid.
- If a connection is not made after several attempts, the scanner will emit a long beep (and the blue light will turn off).
- The Bluetooth working channel is not set by default. If you want to work via Bluetooth, you have to scan the command barcode “Working via Bluetooth” before pairing.
- If you want to shift from a Bluetooth working channel to an RF
- Wireless channel, you have to scan ” RF Wireless Transmit” and then plug the USB receiver into your device.

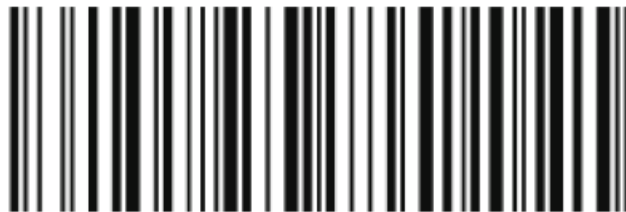
## Basic Mode (HID) (default)



NO software installation needed

### Connects to most devices

The scanner interacts with a host device like a keyboard



AT+MODE=2

## Application Mode (Apple Specific Serial Profile)

### For iOS Devices



If you have an iOS application that supports our Scanners this is the mode to use



AT+MODE=3

## Application Mode (Serial Port Profile)



For Android or Windows

### Software installation is required

If you have an application that supports this is the mode recommended



AT+MODE=1

#### Notes

If you want to shift from HID to SPP or BLE just scan the corresponding command barcode. If you want to shift from SPP or BLE to HID mode, first ignore (or delete) "Netum Bluetooth" → turn off Bluetooth → scan the command barcode of HID → Open the Bluetooth → re-pair it.

#### Transmission Speed Via Bluetooth Connection



Scanning the appropriate barcode below will change the Bluetooth transmit speed.



AT+HIDDLTY=4  
High Speed



AT+HIDDLTY=10  
\*Medium Speed



AT+HIDDLTY=25  
Low Speed

#### USB DONGLE AS HID-KBW



When you plug the USB dongle into your device, the USB HID-KBW feature will be enabled by default. Then scanner's transmission will be simulated as USB keyboard input. It works on a Plug and Play basis and no driver is required.

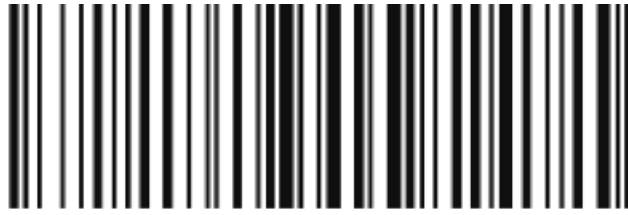


\$USB#KEY  
\*USB DONGLE as Keyboard(HID)

#### USB DONGLE AS VIRTUAL COM

### USB COM Port Emulation

If you connect the scanner to the Host via a USB dongle, scanning the “USB COM Port Emulation” will allow your device to receive data in the way a serial port does.



%#IFSO\$3  
USB COM PORT Emulation

### USB HID-KBW



When the scanner is connected to your device via a USB cable, the USB HID-KBW feature will be enabled by default. Then scanner's transmission will be simulated as USB keyboard input. It works on a Plug and Play basis and no driver is required.



%#IFSO\$2  
\*USB HID-KBW

### USB COM Port Emulation



If you connect the scanner to your device via a USB cable, scanning the “USB COM Port Emulation” will allow your device to receive data in the way a serial port does.

### Keyboard Language

For example, If you use a French Keyboard, scan the command barcode of “French keyboard “. If you use a US keyboard you can ignore this step.



\$LAN#EN  
\*America EN keyboard



\$LAN#FR  
French keyboard



\$LAN#GE  
Germany keyboard



\$LAN#PT  
Portugal keyboard



\$LAN#IT  
Italy keyboard



\$LAN#ES  
Spain keyboard



\$LAN#UK  
UK keyboard



\$LAN#TK  
Turkey Q keyboard



\$LAN#HU  
Hungary keyboard



\$LAN#TF  
Turkey F keyboard

### Working Mode

If you are heading for a working area that lies outside the Bluetooth signal range, you may activate the scanner's store mode, by following the steps described below. Under this mode, all scanned data will be stored directly in the buffer memory of the device. Furthermore, data entries will be permanently saved in the buffer memory before the manual upload into the working station, so that you may upload them when you are near your working device.



\*Normal Mode



Store Mode



Output Stored Data



Output Total Entry



Clear Memory

#### Idle Time

The period set for the scanner from idle to sleep.



\$POWER#OFF  
Power Off



\$RF#ST00  
0 Min



\$RF#ST20  
10Mins



\$RF#ST60  
30Mins

#### Convert Case



\* Disable Convert Case



Up Low Case Swap (A<->a)



All Upper Case (a->A)



All Lower Case (A->a)

### Beep Volume

Scanning the appropriate barcode below will change the beep volume.



\$BUZZ#1  
\*High Volume



\$BUZZ#  
Low Volume



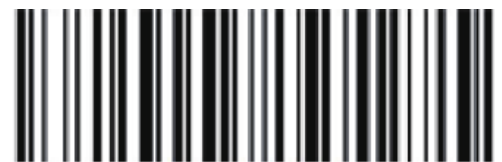
\$BUZZ#0  
Mute

### Function Key Mapping

When Function Key Mapping is enabled, function characters are sent over the keypad.



\$KEY#M0  
\*Disable Function Key Mapping



\$KEY#M1  
Enable Function Key Mapping

## LED Activity/Beep Pattern/Indication under different Connections

### 2.4G RF Wireless Connection

Bluetooth LED Activity	Beep Pattern	Read indicator LED Activity (Square Shape)	Indication	Working Mode
OFF	No beep	OFF	Sleeping /Power OFF	
Blue LED ON and then OFF	Beep Once	Blue LED ON and then OFF	Wake up from Sleep Mode	
White LED ON and then OFF	Beep Once	Blue LED ON and then OFF	successful scan	Normal Mode
OFF	Beep Once	Blue LED ON and then OFF	Go to sleep	
OFF	3 Beeps	Red LED Flash Three Times and Then OFF	Data transmit failed	
White LED ON and then OFF	Beep Once	Blue LED ON and then OFF, Green LED Flashing	successful scan	Store Mode

### Bluetooth Connection

Bluetooth LED Activity	Beep Pattern	Read indicator LED Activity (Square Shape)	Indication	Working Mode
OFF	No beep	OFF	Sleeping /Power OFF	
Blue LED ON and then OFF	Beep Once	Blue LED ON and then OFF	Go to sleep Mode	
Blue LED ON	Beep Once	Blue LED ON and then OFF	successful scan	Normal Mode
Blue LED Flashing	Beep Once	OFF	Bluetooth Pairing	
Solid Blue LED (No Flashing)	Beep Once	Blue LED ON and then OFF	Bluetooth Paired	
Blue LED Flashing	3 Beeps	Red LED Flashing 3 times and then Off	Data transmit failed	
Blue LED ON and then OFF	Beep Once	Blue LED ON and then OFF, Green LED Flashing	successful scan	Store Mode

### Charge Power

Bluetooth LED Activity	Beep Pattern	Read indicator LED Activity (Square Shape)	Indication	Working Mode
OFF	5 beeps	RED LED flashing 5 times	Low Power Warning	
OFF	No beep	RED LED ON	Charging Power	
OFF	No beep	Green LED ON	Full Charge	

## FAQs

### Some barcodes cannot be read, why?

- Dirty or unclear barcodes might not be read.
- The possible reason is that the setting for some barcode types not commonly used is off by default. You need to activate a specific barcode type to get it to work.
- Please contact us for help or you may go to our official website “ [www.netum.com](http://www.netum.com)”; to download the complete manual and then refer to the section “Symbolologies”.

### How to change the terminator to TAB?

Please refer to the section “Terminator configuration” from the manual on our official website.

### Are there any barcodes for applying or removing prefixes & suffixes?

Yes, you may go to our official website “[www.netum.com](http://www.netum.com)”; to download the manual, refer to the section “prefix and suffix” or turn to customer service for help.

### How to solve the messy code problem encountered while using other foreign languages?

The default language is English. Please refer to “Keyboard Language” to change the language.

### Why scanner can not read the Italy Pharmacy code?

Download the manual from our official website according to the scanner’s model number, refer to the section of Code32 then scan “Enable Code32” to enable the scanner to read Italy pharmacy code.

### Why scanner can not read add-on 2 or 5 codes?

Download the manual from our official website according to the scanner’s model number, refer to the section of ADD-On code and scan the appropriate command barcode to enable the scanner to read it.

### Why scanner can not read DataMatrix GS1 in the correct format?

Scan “Enable Function Key Mapping” from this manual will enable the scanner to output the group separator.

### Note

Please do not hesitate to contact us if you need any other configurations.

### Contact Information

Tel.: +0086 20-3222-8813

WhatsApp: +86 136 222 33 974

Email: [service@netum.net](mailto:service@netum.net)

Address: Room 301, 6th Floor and full 3rd Floor, Building 1, No. 51 Xiangshan Avenue  
Ningxia Street, Zengcheng District, Guangzhou City, Guangdong Province China/511356

Website: <https://www.netum.net/>

EU Name: Apex CE Specialists GmbH  
Add: Habichtweg 1 41468 Neuss Germany  
UK Name: APEX CE SPECIALISTS LIMITED  
Add: 89 Princess Street, Manchester, M1 4HT, UK

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## References

- [User Manual](#)

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