



[Home](#) » [NETUM](#) » **NETUM CS7501 C PRO Series Barcode Scanner User Manual** 

## **Contents** [ [hide](#) ]

- [1 NETUM CS7501 C PRO Series Barcode Scanner](#)
- [2 Product Information](#)
- [3 Package Included](#)
- [4 PRODUCT INFORMATION](#)
- [5 Working Via USB Dongle \(Wireless Mode\)](#)
- [6 Working Via Bluetooth](#)
- [7 USB DONGLE AS VIRTUAL COM](#)
- [8 Keyboard Language](#)
- [9 LED Activity/Beep Pattern/Indication](#)
- [10 FAQs](#)
- [11 Documents / Resources](#)
  - [11.1 References](#)

# NETUM<sup>®</sup>

## **NETUM CS7501 C PRO Series Barcode Scanner**



## **Specifications:**

- Bluetooth Indicator Light (Blue LED)
- Scanning Window
- Charging Pins
- Mode Switch (3-position switch)
- Buzzer Hole
- Lanyard Slot

## **Product Information**

The Netum barcode scanner comes with a Bluetooth indicator light, scanning window, charging pins, mode switch, buzzer hole, and lanyard slot. The firmware version can be displayed by scanning \$SW#VER.

## **Barcode Programming:**

Netum barcode scanners are factory programmed for common terminal and communications settings. Programming can be done by scanning the barcodes provided in the guide.

## **Connection Ways:**

The scanner can be connected to your device via Bluetooth, USB receiver, or USB cable. Choose the appropriate connection method based on your device.

## **Working Via USB Cable:**

To start, connect the scanner to your device using the USB cable. If you have a US keyboard, it's plug and play. For other keyboard types, configure the keyboard language before use.

## **Working Via USB Dongle (Wireless Mode):**

Slide the switch on the bottom of the scanner to the right. Plug the USB dongle into your computer. It's plug and play for US keyboard layout. For other layouts, configure settings before use.

## **Working Via Bluetooth:**

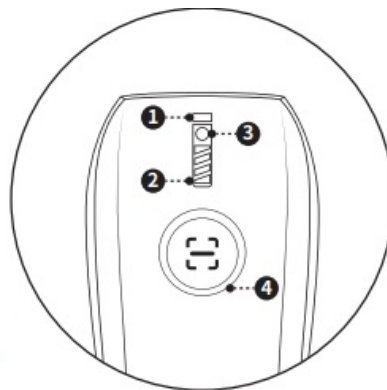
Slide the switch on the bottom of the scanner to the left. Turn on Bluetooth on your host device and pair with the CPRO barcode scanner. Set the correct keyboard language before using the scanner.

## Package Included

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

**Note:** This is a quick start manual. If you need a full manual please download it from our official website: [www.netum.net](http://www.netum.net)

## PRODUCT INFORMATION



### 1. Bluetooth Indicator Light (Blue LED)

- Blinking blue light:  
Bluetooth not paired
- Solid blue light:  
Bluetooth connected
- When the blue light is on, the device is in Bluetooth transmission mode

### 2. Battery Indicator Light (Green LED)

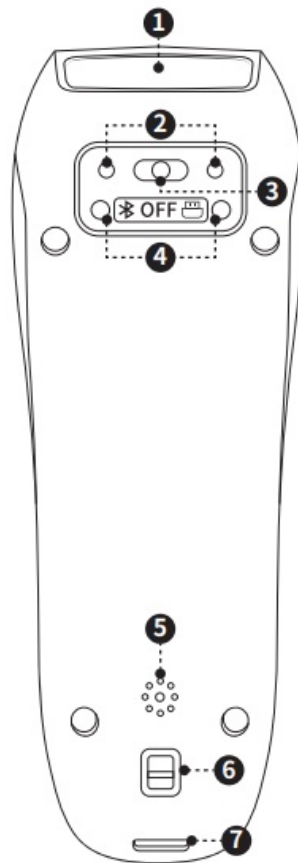
- Four green LEDs on: 75% – 100% battery
- Three green LEDs on: 50% – 75% battery
- Two green LEDs on: 25% – 50% battery
- One green LED on: 0% – 25% battery

### 3. Status Indicator Light (Tri-color LED)

- Red light blinks twice: Low battery
- Red light blinks three times: Data transmission failed
- Red light blinks five times: Battery depleted
- Blue light blinks once: Data transmitted successfully
- Green light blinking: Storage mode active
- Green light solid: Fully charged

#### 4. Trigger Button

- Made of soft silicone material



#### 1. Scanning Window

#### 2. Charging Pins

- Reserved pins
- Works with charging dock

#### 3. Mode Switch (3-position switch)

- Push left: Bluetooth mode
- Push center: Power off
- Push right: 2.4G Wireless mode

#### 4. Magnet

- Reserved magnet slot

- Compatible with dock

5. Buzzer Hole

6. Lanyard Slot

7. Type-C Port

- For charging and data transfer

### **Firmware Version:**

Firmware version will be displayed by scanning “\$SW#VER”.



### **Factory Defaults**

Scanning the following barcode can restore the engine to the factory defaults



### **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 i

### **Important Notes :**

Many command barcodes only work with scanner in a particular connection mode. Please pay attention to below symbol when you scanning the command barcodes.



Command barcodes only apply to scanner work via Bluetooth connection.



Command bacodes only apply to scanner work via Wireless Connection.



Command bacodes only apply to scanner work via USB Wired Connection

### **Connection Way**

Scanner can be connected to your device via bluetooth, USB receiver or USB cable, you can choose one of the connection way to connect scanner with your device.

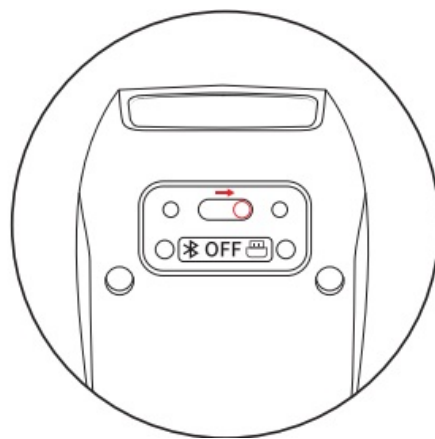
### **Working Via USB Cable**

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

### **Working Via USB Dongle (Wireless Mode)**

#### **Getting Started:**

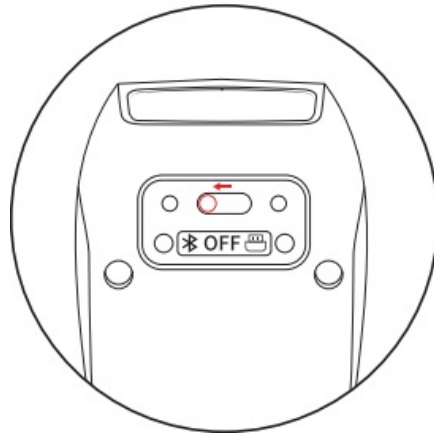
1. Slide the switch on the bottom of the scanner to the right.
2. Plug the USB dongle into your computer.
3. If you're using a U.S. keyboard layout, it's plug and play.
4. If you're using a different keyboard layout, please refer to the " Keyboard Language" section to configure the correct settings before use.



### **Working Via Bluetooth**

#### **Getting Started:**

1. Slide the switch on the bottom of the scanner to the left.
2. Turn on Bluetooth on your host device and look for "CPRO barcode scanner" in the list of available devices. Tap it to pair.
3. The default keyboard layout is US. If you're using a different keyboard layout, please set the correct keyboard language before using the scanner.



## Important Notes:

- Scanning a setting code to switch modes is not supported. You must use the physical switch on the bottom of the scanner to change connection modes.
- Make sure the device is within range and Bluetooth is turned on.
- If a connection is successful, the blue light will stop flashing and stay solid.

## Basic Mode (HID) (default)

- NO software installation needed
- Connects to most devices
- Scanner interacts with 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

## **Applicatin 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

### **Important 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 command barcode of HID→ Open the bluetooth → re-pair it.

## **Transmission Speed Via Bluetooth Connection**

By scanning the appropriate barcode below will change the bluetooth transmit speed.



AT+HIDDLY=4  
High Speed



AT+HIDDLY=10  
\*Medium Speed



AT+HIDDLY=25  
Low Speed

## **USB DONGLE AS HID-KBW**

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



\$USB#COM

USB Dongle as Virtual COM

### USB HID-KBW

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



%#IFS0\$2

\*USB HID-KBW

### USB COM Port Emulation

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



%#IFSO\$3  
USB COM POT Emulation

## Keyboard Language

For example If you use French Keyboard, scan 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#IT  
Italy keyboard



\$LAN#PT  
Portugal keyboard



\$LAN#ES  
Spain keyboard



\$LAN#UK  
UK keyboard



\$LAN#HU  
Hungary keyboard



\$LAN#TK  
Turkey Q keyboard



\$LAN#TF  
Turkey F keyboard

## Working Mode

If you are heading for a working area which lies outside the Bluetooth signal range, you may activate scanner's store mode, following steps described below. Under this mode, all scanned data will be stored directly into the buffer memory of the device. Furthermore, data entries will be permanently saved in the buffer memory prior to 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

Time period set for 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

By 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

## 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 Flash Twice and then OFF	Wake up from Sleep Mode	
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 Mode	
OFF	3 Beeps	Red LED Flash Three Times and Then OFF	Data transmit failed	
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	No beep	OFF	Bluetooth Unpair	
Solid Blue LED (No Flashing)	Beep Once	OFF	Bluetooth Paired	
Blue LED Flashing	3 Beeps	Red LED Flashing 3 times and then Off	Data transmit failed	
Blue LED ON	Beep Once	Blue LED ON and then OFF, Green LED Flashing	successful scan	Store Mode

### Charge Power

Bluetooth LED Activity	Beep Pattern	Status Indicator Light (Tri-color LED)	Battery Indicator Light	Indication
OFF	2beeps	RED LED flashing twice		Battery depleted
OFF	5beeps	RED LED flashing 5 times		Battery depleted
OFF	No beep	RED LED ON	Green LED lights light up one by one	Charging Power
OFF	No beep	Green LED ON	Four Green LED lights on	Full Charge

### Downloads

This is a general quick setup guide applying for Model CS7501. Full manual are available to be downloaded from our official website:[www.netum.net](http://www.netum.net)

### Note:

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

### FAQs

How can I reset the scanner to factory defaults?

Scanning the barcode %#IFSN0\$B can restore the engine to the factory defaults.

How do I change the Bluetooth transmission speed?

Scan the appropriate barcode to change the Bluetooth transmit speed.

AT+HIDDLY=4 for High Speed AT+HIDDLY=10 for Medium Speed

AT+HIDDLY=25 for Low Speed

How to change terminator to TAB ?

Please refer to the section of Terminator configuration from the full manual downloaded from our official website.

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 Italy Pharmacy code?

Download the full 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 read it.

Why scanner can not read datamatrix GS1 in a correct format ?

Scan Enable Funtion Key Mappin from this manual will enable scanner to output group separator.

# Documents / Resources

 <p><b>NETUM®</b></p> <p>Package Includes:</p> <ul style="list-style-type: none"><li>PS1 Manual</li><li>PS1 USB Cable</li><li>PS1 USB Key</li></ul> <p>Note: This is a 1D barcode scanner. It cannot scan 2D barcodes.</p>	<a href="#">NETUM CS7501 C PRO Series Barcode Scanner [pdf]</a> User Manual CS7501, CS7501 C PRO Series Barcode Scanner, CS7501 C, PRO Serie s Barcode Scanner, Barcode Scanner, Scanner
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## References

- [User Manual](#)

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Barcode Scanner, CS7501, CS7501 C, CS7501 C PRO Series Barcode Scanner, NETUM, PRO Series Barcode Scanner, scanner

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