# (16) TRONICs USER'S GUIDE 



LASER BARCODE SCANNER

| Input voltage | DC5V $\pm 0.25 \mathrm{~V}$ |  |  |
| :---: | :---: | :---: | :---: |
| Power | 425 mW (work); 500 mW (instantaneous) |  |  |
| Battery Charge Time | 2.5 Hours |  |  |
| Battery Scan Time | 30 Hours |  |  |
| Current | 25 mA (work); 95mA (instantaneous) |  |  |
| Light | Visible light laser diode, wavelength 650 nm |  |  |
| Laser Level | Laser Level II laser safety standards |  |  |
| Decoding speed | 100 times / sec |  |  |
| Scan angle | $\pm 60^{\circ}, \pm 65^{\circ}, \pm 42^{\circ}$ (about turn) |  |  |
| Resolution | 0.10 mm ( 4 mil ) |  |  |
| Ability decode | UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, Code 39 , int25, ind25, Coda bar, Code 128, Code 93, Code 11, MSI/Plessey, UCC/EAN128...... |  |  |
| Prompt manner | Buzzer, LED indicator | Communication distance | 30 m (void) |
| Communication mode | 2.4G wireless | Data memory | 8K Byte |
| Trigger manual | manual scanning | weight | 153g |
| Interface Type | USB | Shell material | ABS+PC |
| External dimension | 164*67*95 mm (scanner) 71*24*9.3mm (acceptor) |  |  |
| Temperature | $0^{\circ} \mathrm{C}$ to $45^{\circ} \mathrm{C}$ (work); $-40^{\circ} \mathrm{C}$ to $60^{\circ} \mathrm{C}$ (save) |  |  |
| Humidity | 5\% to 90\% |  |  |
| Seismic capacity | multiple 1.5 m drops to concrete floor impact |  |  |
| Program update | computer online updates |  |  |

Note: The scanner performs best when it is not exactly perpendicular to the barcode.


## TaoTronics TT-BS012 Wireless Scanner

## Quick Start Guide

## Key features

Default button assignments

```
A USB Receiver
B LED Indicator
C Brand LOGO
D Laser Head
E Trigger
F Cover
G Handle: User-friendly
H USB Interface
Hole: Used to separate your USB cable from the scanner
```


## Package contents

System Hardware requirements

```
- Bar code scanner
- USB receiver
- USB Cable
- User's manual
```

- PC/Mac with USB 2.0 port
- Windows XP/VISTA
- No software needed



## Installations of the scanner



## Scanner Installation:

- Plug the scanner USB receiver into your PC's USB port
- Wait for the software to automatically install on your computer
- Press the trigger once and the LED on the top of the scanner should turn green. Press the trigger once again and you should see the red laser with a blue light showing on the top of the scanner (if the blue LED is flashing, this means the scanner's battery is low and needs to be charged)
- You are now ready to begin scanning


## Charging the scanner



## Charging the Scanner:

- Plug the DC input jack into your scanner
- Plug the other end of the USB cable into your PC
- While charging you should see the red LED light shining
- When it unit is fully charged, the red light will turn to green


## Setting Up the Scanners:

## One Scanner-

For one scanner, no setup is needed. The scanner has already been paired and is ready to use. However, should you need to dedicate a new channel, please follow steps 1-6 under 'Two or More Scanners.'

## Channel Setting

When using two or more scanners together, each scanner and receiver pair must occupy one unique channel. This is to prevent scanner transmission from mixing up.

There are total of 20 channels that can be set with scanner pairs. The channel number is a 2 digit number in the form of $00,01,02,03 \ldots 19,20$. Please perform the channel setting for all scanner pairs before using the scanners.

To set channel for the scanners:

1. Plug the receiver into the USB port
2. Scan the 'Return to default' barcode to bring it back to the original factory setting Return to default

3. Set a channel for the USB receiver by first scanning the barcode 'Channel setting 01-20'

Channel setting

4. Scan the two digits that make up the channel number. For example, to set the channel 01, please scan barcode 0 first, then scan barcode 1 ; to set the channel 19 , please scan barcode 1, then scan barcode 9

## Channel Setting Barcodes:



2


5


6


9

5. Repeat step $1-4$ for the rest of the scanners

If you need to reset the scanner, please scanner the return to default barcode on page 2.

NOTE: setting channel beyond channel 20 will not work.

## Scanner ID Setting

In order to know which scan comes from which scanner, you can assign a unique ID to each scanner. You can also add ID as Prefix to the scanned barcode. When prefix is added, barcode XXXXX scanned by scanner 01 will appear as 01XXXXX.

Scanner ID is a 2 digits number in the form of $01,02,03 \ldots 97,98,99$.

To set the scanner ID for scanners

1. Scan the barcode 'Setting ID 01-99'

Setting ID 01-99

2. Scan the two digits that make up the scanner ID number. For example, to set scanner ID 56 , please scan barcode 5 first, then scan barcode 6 .
3. If you need to add the ID as prefix of the scanned barcode, please go to page 3 and scan the barcode 'Open Identification as prefix'.
Open Identification as Prefix

4. To cancel the prefix, simply scan the 'Close Identification as prefix' barcode Close Identification as Prefix *


NOTE: Your scanner ID can be different from your channel ID. But we recommend setting the same number to avoid confusion.

## Channel Setting Barcodes:

0


2


1


3



Note: To check whether the pairing was successful, unplug the USB receiver then re-insert the USB receiver in your PC again, if the pairing failed you will hear a (Di Di Di Di Di) sound. If that happens, simply restart the pairing process again.


## Inventory mode:

Inventory mode allows you to save up to 10000 barcodes in the scanner's memory. This is perfect if you are scanning over 30 meters ( 100 feet) from the USB receiver or when you have lot of inventory that needs to be updated.

- Plug the USB receiver into your PC.
- Scan the 'Return to default' bar code

Return to default


- Scan the' Inventory Mode' bar code Inventory mode


## |||||||||||||||||||||||||||||

- At this point, you can begin scanning your inventory barcodes, which will remain in the scanner's memory.


## Data Transfer-

To transfer from the scanner to your editable software:

- Open your editable software or Microsoft Office on your PC, making sure the cursor is in the area you wish to have your barcodes shown.
- Scan the 'Transfer Data' bar code (below) and the stored barcodes will automatically transfer to your chosen editable software.


## Transfer data <br> 

- There you will see the scanned bar codes shown on your PC.


## Clearing data-

- After transferring the date from inventory mode, please scan the clear data barcode (below) in order to clear the memory. Then, you can go back to the normal mode.


## Clear data



## Back to Normal Mode-

- In order to get back to normal mode from inventory mode, please scan the 'normal mode' barcode (below).
Normal mode *



## Resetting Your Scanner:

1. Plug the USB receiver to the USB port
2. Scan the 'Return to default' barcode (below) to bring it back to the original factory setting
Return to default

## Technical Assistance:

For technical assistance, please email to SUPPORT@TAOTRONICS.COM with your purchase order number and a detailed description of your issue. We normally respond to enquiries within 24 hours.

For more information, please visit www.TaoTronics.com.

## Warranty:

This scanner is covered with TaoTronics parts and labor warranty for 12 months from date of the original purchase from authorized retailer and distributor. If the device fails due to a manufacturing defect, please contact TaoTronics Support (support@taotronics.com) immediately to launch a warranty claim. We will instruct you on how to return the defective unit back to us for repair and replacement. The following are excluded from TaoTronics warranty cover:

- Device purchased as $2^{\text {nd }}$ hand or used
- Device purchased from unauthorized retailer and distributor
- Damage resulted from misuse and abusive action
- Damage resulted from chemical, fire, radioactive substance, poison, liquid
- Damage resulted from natural disaster
- Damage caused to any $3^{\text {rd }}$ party / person / object and beyond


## No return will be accepted without seller authorization.

## Statement

We can only provide after sale services for products that are sold by TaoTronics or TaoTronics authorized retailer and distributor. If you have purchased your unit from a different place, please contact the seller for return and warranty issues.

## Miscellaneous Barcodes and Definitions:

Sleep Timer- If you want your barcodes to enter sleep mode when not in use, please scan the 'Enter setting sleep time' (below) and then scan the desired time.

## Enter setting sleep time |||||||||||||||||||||||||||||||||||||

Sleep Times

20sec *


30 sec
|||||||||||||||||||||||||||||||||||

60 sec


2 min


5 min


10 min


20 min


No sleep


## Working Modes:

## Normal mode:

Scanning barcodes that are decoded and directly data transferred to the receiver and displayed on the PC or your host. Should the data transmission fail due to the distance between the scanner and receiver or if the receiver is not open, you will hear a "de de de " sound prompting the transmission failure.

## Normal mode * <br> 

## Inventory mode:

When the scanner is not in the receiver's operating range or if you have a lot of inventory that needs to be updated, please use the Inventory mode to scan. To enter inventory mode, please see the step-by-step instructions on page 7 of this guide.

After you transfer the data in the Inventory mode, remember to scan the "Clear data" barcode before proceeding.

## Inventory mode <br> ||||||||||||||||||||||||||||||||||||||||

## Transfer data <br> 

Total number of data


Multi Scan Functions:
Defaults


Buzzer Mode-
Good Read Beep Tone-None


Good Read Beep Tone-Reset


Reading Mode-

Single Scan


Multi Scan


Pulse Scan



## Special Wireless Mode Language-

If you use this scanner on a special keyboard, please setup the Special language for set up. For example, for a German keyboard, please scan the "scanner language' barcode, then scan the 'German' barcode above and then scan the "GERMANY" barcode.


GERMANY


FRANCE


ITALY

## Code Symbol On/Off

CODE 11
Enable *


Disable


CODE 128
Enable *
||||||||||||||||||||
Disable


CODE 39
Enable *


Disable


FULL ASCII Enable *


FULL ASCII Disable


CODE 93
Enable *


Disable


CODABAR
Enable *


Disable


Interleaved 2 Of 5


Industrial 2 Of 5



Enable *

Disable


UPC-A
Enable *


Disable


UPC-E
Enable *


Disable


EAN-13
Enable *


Disable


EAN-8
Enable *


Disable


OTHER

Expand UPC-E to UPC-A enable


Expand UPC-E to UPC-A Disable |||||||||||||||||||||
Expand UPC-A to EAN-13 Enable


Expand UPC-A to EAN-13 Disable


Convert EAN-13 to ISBN Enable


Convert EAN-13 to ISBN Disable


Supplement Digits


UPC/EAN Supplements-5 only


UPC/EAN Supplements-2 only


UPC/EAN Supplements-2\&5 only


CODABAR Send Chars Disable


CODE39 Send Chars Enable


CODE39 Send Chars Disable


OTHER II
Suffix setting
Termination Char-CR *



Termination Char-CR+LF


None


Codes Preamble 'STX'


Convert To Uppercase a $\rightarrow \mathrm{A}$


Convert To Lowercase A $\rightarrow \mathrm{a}$


## Special function

## 1. Add Prefix

Step 1: Scan 'Add Prefix' barcode (*this will clear any prefix set before)


Step 2: Scan the character barcode you need to add (you can add up to 32 characters)


Example: If you need to add MG as prefix, you can scan ' $M$ ' barcode first, then ' $G$ ' barcode, afterwards if you scan any barcode 'MG' will be added to the prefix


Once the 'MG' prefix is set, scan the above barcode, you should now get 'MGTEST'

## 2. Add Suffix

Step 1: Scan 'Add Suffix' barcode (* this will clear any suffix set before)


Step 2: Scan character barcode you wish to add (You can add up to 32 characters to suffix)


Example: If you wish to add ' $\mathrm{OK}^{\prime}$ as suffix, you will need to scan ' O ' barcode and ' K ' barcode. Afterwards, if you scan other barcode, 'OK' will be added to the suffix.


Once the 'OK' suffix is set, if you scan the above bar code, you should now get 'TESTOK'.

## 3. Hide initial character

Step 1: Scan 'hide initial character' barcode (* this will clear any previous hide initial characters setting)


Step 2: Scan the number of initial characters you need to hide (you can hide up to 32 characters) Example: To hide the fist 2 characters, scan \$02 barcode


Afterwards, if you scan any normal barcode, the first 2 characters will be hidden


If setting is correctly done, scan the above barcode, you should now get ' 3456789 '

## 4. Hide Ending characters

Step 1: Scan 'Hide ending characters' (* this will clear any previous hide ending characters settings)


Step 2: Scan the number of characters you need to hide (you can hide up to 32 characters)
Example: to hide the last 3 characters, scan ' $\$ 03^{\prime}$ barcode


Afterwards, if you scan any normal barcode, the last 3 characters will be hidden


If setting is done correctly, scan the above barcode and you should get ' 987654 '

List of all setting and number barcodes








## Thotranics

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