

TigerStop Mk2 Bar Code Scanner



TigerStop Mk2 Bar Code Scanner Installation Guide

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TigerStop Mk2 Bar Code Scanner



Specifications:

- Product Name: Bar Code Scanner
- Model: Mk2
- Type: Wired Scanner
- Components: Scanner Base, Data Cable, Power Supply, Power Cable, RS232 Cable

Product Usage Instructions

Installation:

1. Ensure that the power supply and cables are connected properly according to the provided manual.
2. Place the scanner base on a stable surface and connect it to the data cable.
3. Connect the power supply to the scanner and plug it into a suitable power source.

Safety Guidelines:

- Always read and adhere to the safety warnings and guidelines provided in the manual.
- Keep the work area clean, well-lighted, and free from any obstructions.
- Wear appropriate safety gear including non-slip footwear, safety glasses, ear protection, and a dust mask.

Operation:

- Before operating the scanner, ensure that all connections are secure and the power source is stable
- When using the scanner, avoid placing hands or loose clothing near moving parts to prevent injuries.

FAQ:

- **Q: Can the Bar Code Scanner be used wirelessly?**
A: Yes, the product includes components for both wired and wireless operation.
- **Q: What should I do if the scanner malfunctions during operation?**
A: In case of any issues or malfunctions, disconnect the power supply immediately and refer to the

troubleshooting section in the manual for assistance.

Wired Scanner



Wireless Scanner



Safety First!

IMPORTANT SAFETY INFORMATION. READ ALL WARNINGS BEFORE OPERATING THIS PRODUCT.

- **WARNING:** Installation of your TigerStop Product must be done by a person trained in the safe design and installation of automation products, and in the safe operation of power equipment. Ensure that such installation meets all legally required safety requirements and guidelines, and that proper guarding and safety devices are provided on all sides of the equipment to preclude unintended access during operation. Consult with and follow

the recommendations of a qualified safety engineer.



- **WARNING:** TigerStop Products are components intended for use in conjunction with potentially dangerous machinery. The use of TigerStop Products does not make other machinery safe. TigerStop Products are not intended to substitute, in any manner, for safe operating practices in general, or for safety features present in other machines designed to make those machines as safe as possible. TIGERSTOP PRODUCTS, IF USED OR INSTALLED IMPROPERLY, MAY CAUSE PERSONAL INJURY OR DEATH AND SHOULD ONLY BE OPERATED BY PERSONS TRAINED IN THEIR SAFE OPERATING PROCEDURES. Illustrations of TigerStop Products in use do not show, and are not intended to show, all safety features and practices necessary for their safe operation.
- **WARNING:** TigerStop Products must be installed in accordance with all local, state, and federal regulations. Only personnel properly trained in the safe design and installation of automation machinery and related power equipment should install TigerStop Products onto other equipment, to ensure a safe and proper work station. TigerStop Products should not be operated without proper training, both in the operation of TigerStop Products, and in the operation of related equipment.



- **IMPORTANT CAUTION:**
The motor box (compartment) contains DC voltage with potentially FATAL amperage. NEVER attempt any unauthorized actions inside the motor box.
- **WARNING:** Using a TigerStop interconnect does not relieve you of the responsibility for making sure that your saw or other tool has all the necessary safety equipment in place. All installations must meet all legally required safety requirements and guidelines. Installation and training should be done following the recommendations of a qualified safety engineer.
- **DANGER:** This machine can start, move and stop automatically. Keep hands and loose clothing clear of moving parts while operating. Moving parts can crush and cut. When used with a saw or other cutting equipment, bodily injury and death may result if operated without safety guards on all machines. Do not operate with guards removed. Operators must wear adequate eye and ear



- **DANGER!** Don't get pinched by the push feeder. Keep your hands away when in motion!



- Keep the work area clean and well lighted to avoid accidental injury.



- Do not use TigerStop machines in a dangerous environment. Using power tools in damp or wet locations or in rain can cause shock or electrocution.



- Do not operate near flammable liquids or in gaseous or explosive atmospheres!



- Wear proper apparel, no loose clothes, long hair or jewelry which could get pulled into moving machinery or materials.

Wear non slip footwear, safety glasses, ear protection and a dust mask.



- Use only 3- wire extension cords that have 3-prong grounding type plugs and 3-pole receptacles that accept the tools plug for 120VAC. Use only 5-wire cords and plugs when using 3 phase.



- Do not open motor compartment or controller keypad. DC Voltage with potentially FATAL amperage! Disconnect power before servicing. No user-serviceable parts inside.



- DO NOT operate this or any machine under the influence of drugs or alcohol!



- No one should operate this machine except for fully qualified personnel.
- Read the manual!

Bar Code Scanner Installation

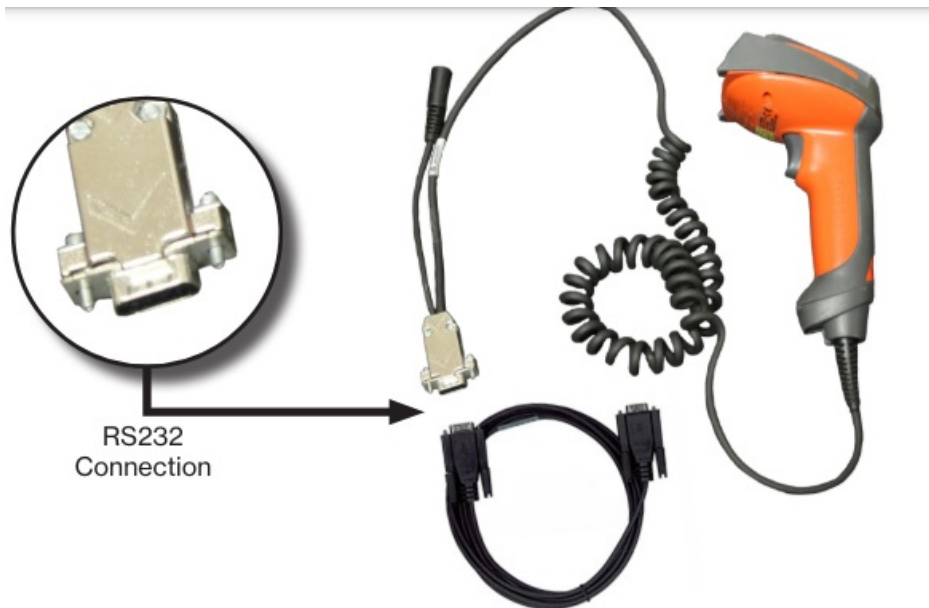
TigerStop offers a wired and a wireless bar code scanner. Wireless scanner installation and set- up instructions start on page 10.

Wired Scanner Installation

1. Ensure the TigerStop I/O Panel is connected between the TigerStop controller and the amplifier, using an extra TigerStop controller cable as shown below. Note: The I/O Panel is only included with the Bar Code Scanner Package.



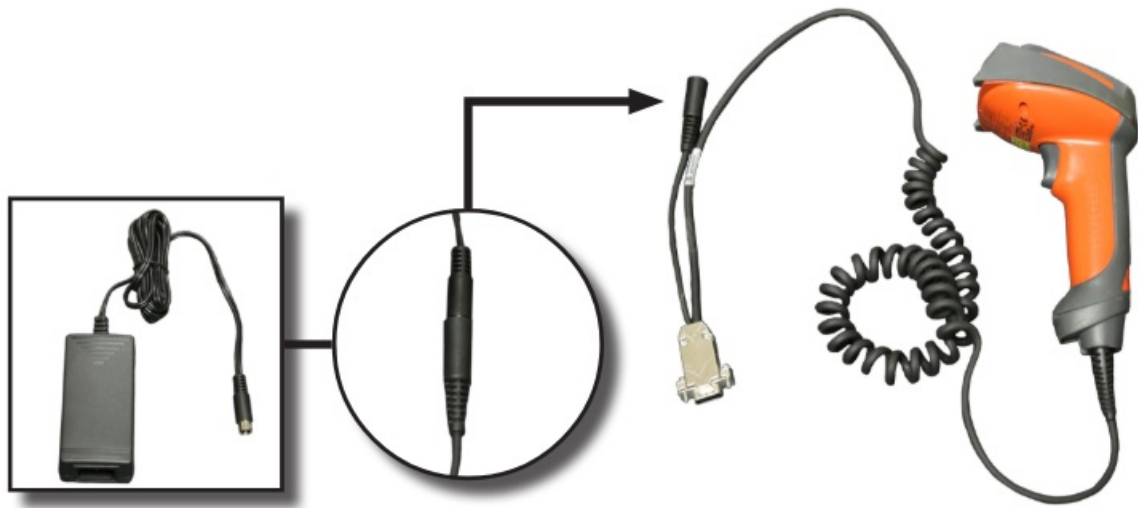
2. Remove the bar code scanner from the box and place it near the TigerStop I/O Panel.
3. Remove the black RS232 cable from the box.
4. Connect the black RS232 cable to the bar code scanner RS232 connection.



5. Connect the other end of the black RS232 cable to the "AUX" plug on the I/O Panel.



6. Connect the power supply cable to the bar code scanner.
7. Connect the power supply to a wall outlet.



Wired Scanner Setup

The bar code scanner is programmed at the TigerStop factory with a baud rate of 9600. If a baud rate change is necessary, follow the instructions below to configure a new baud rate. If no baud rate change is necessary, skip this section.

1. Scan the code below.



Standard Product Default Settings



RS-232 Interface

2. Wait for 3 seconds.
3. Scan the code below.



9600



57,600

4. Wait for 3 seconds.
5. Choose ONE of the baud rate options below.

Note: Use 9600 when connecting the bar code scanner to the TigerStop I/O Panel and use 57,600 when connecting the bar code scanner directly to the TigerStop amplifier.

6. Scan the following codes, waiting 3 seconds between each one.



Add Prefix



9



9



4



7



Save

7. Cycle power on the bar code scanner.
8. Scan the following bar codes to test the bar code scanner functionality.
Warning! TigerStop will move!

8.000

8.000

19.500

19.500

31.875

31.875

1. Ensure the TigerStop I/O Panel is connected between the TigerStop controller and the amplifier, using an extra TigerStop controller cable as shown below.

Note: The I/O Panel is only included with the Bar Code Scanner Package.



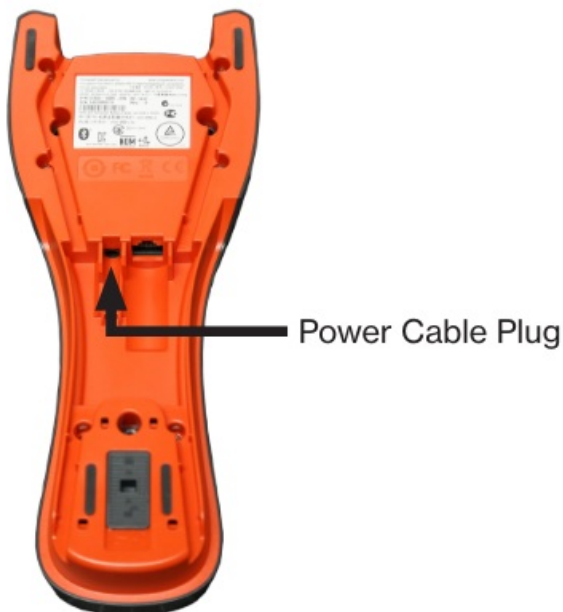
2. Remove the bar code scanner and the bar code scanner base from the box and place it near the TigerStop I/O Panel.
3. Flip over the base and connect the bar code data cable to the bar code scanner base.



4. Connect the black RS232 cable to the bar code scanner data cable.
5. Connect the other end of the black RS232 to the "AUX" plug on the I/O Panel.



6. Connect the power supply cable to the bar code scanner.



7. Connect the power supply to a wall outlet.
8. Place the bar code scanner in the base and allow it to charge.

Note: The scanner will fully charge in 4.5 hours.

Wireless Scanner Setup

The bar code scanner is programmed at the TigerStop factory with a baud rate of 9600. If a baud rate change is necessary, follow the instructions below to configure a new baud rate. If no baud rate change is necessary, skip this section.

1. Scan the code below.
2. Wait for 3 seconds.



Standard Product Default Settings

3. Scan the bar code on the wireless scanner base to pair the scanner with the base.



4. Wait for 3 seconds.
5. Scan the code below.
6. Wait for 3 seconds.



RS-232 Interface

7. Choose ONE of the baud rate options below.

Note: Use 9600 when connecting the bar code scanner to the TigerStop I/O Panel and use 57,600 when connecting the bar code scanner directly to the TigerStop amplifier.



9600



57,600

8. Scan the following codes, waiting 3 seconds between each one.



9600



57,600



Add Prefix



9



9



4



7



Add CR Suffix



Save

9. Cycle power on the bar code scanner.

10. Scan the following bar codes to test the bar code scanner functionality.

Warning! TigerStop will move!

8.000

8.000

19.500

19.500

31.875

31.875

Enable Enable Code


Enter Enable Code

If you purchased bar code scanning as an add on to an existing TigerStop, you must enter a new enable code

(provided by TigerStop at time of purchase). If you purchased bar code scanning as part of a new TigerStop product, the complete functionality will be unlocked during the warranty registration process and you may skip this section.

1. Start at the Ready Screen. Press the [Show] soft key to display more options.
2. Press the [Menu] soft key to access the menu select screen.
3. Enter the password and press .

Note: The default password is set to the serial number of the TigerStop.

4. Press the  button.
5. Press the [Sys Info] soft key to access the System Information menu.


```
%H Ready
Position = Current
Next =
Calib Show
```

```
%H Ready
Position = Current
Next =
Menu Incr PrSet List
```

```
%H Menu
Password =
```

```
%H < Select > Menu
A-Setup C-Options
B-Offset D-PartList
A B C D
```

```
%H < Select > Menu
A-Motion C-SysInfo
B-Timer D-Laser
A B C D
```

6. Press  to view the TigerStop serial number and enable code.
7. Press the [A], [B], [C] and [D] soft keys, one after the other.

8. Press .
9. Press Stop to return to the Ready Screen.

10. Cycle power.
11. After power up, TigerStop will ask you for a new enable code.
12. Enter your code and press .

TigerStop is now properly enabled.

```

%#H < Select > Menu
A-Motion  C-SysInfo
B-Timer   D-Laser
  A       B       C       D

```

```

%#H < SN & EC > Systm
View the serial
number & enable code
Press OK to begin

```

```

%#H  View SN  Systm
Serial#  =
E.C.=
Check Sum=

```

```

%#H  View SN  Systm
Press OK to delete
the Enable Code.
Press CANCEL to quit

```

```

Call TigerStop
Phone# (360)448-6102
Enter enable code
Serial#  =

```

Bar Code Scanner Use

- Creating Bar Codes
- The TigerStop bar code scanner reads code 39 bar codes. Code 39 bar codes can be created using a code 39 font on any word processing program. The bar code format is below;

###.###

- The code should start with an asterisk, then the decimal position you want TigerStop to move to, followed by another asterisk.
- **Example:** I want to send TigerStop to 23 1/8th inch. I would create the following code;

23.125

- I would then change the text to a bar code by adjusting the font.

Moving to Position

The bar code scanner can be used to move TigerStop to an absolute position.

1. Start at the Ready screen.
2. Scan a bar coded length. For this example, I will send Tiger-Stop to 23.125 inches.
3. TigerStop will move to the bar coded length.

Building a Parts List Using the Bar Code Scanner

The bar code scanner can also be used to enter part lengths into a part list instead of typing in the length data manually.

```

XH                      Ready
Position = Current
Next      =
                        Calib Show

```



```

XH                      Ready
Position = 23.125in
Next      =
                        Show

```

Building a Parts List Using the Bar Code Scanner

The bar code scanner can also be used to enter part lengths into a part list instead of typing in the length data manually.

1. Access a part list as you normally do. For details on creating part lists, see the TigerStop Users Guide.

Note: A link to the TigerStop Users Guide is on page 18.

```

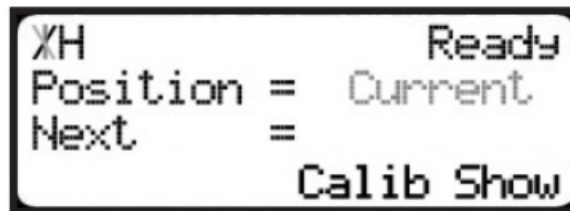
XH   Line 1>   #1
Length = 0.000in
Quantity= 0
                        Done

```

2. At the length entry screen, scan a bar code. TigerStop will enter the bar coded length.
3. Continue scanning length bar codes until you have finished building the list.
4. Exit and run the parts list as normal.

Downloading a Parts List with TigerLink 6

- If you use TigerStop's TigerLink 6 downloading software, you can use a bar code to download a part list. For details on TigerLink 6, see the TigerLink 6 Installation Guide.
- **Note:** A link to the TigerLink 6 Installation Guide is on page 18.
- TigerStop uses a special bar code format to tell TigerLink 6 to download a parts list. You will still use the code 39 font. The format is below.
- ***Q####***
- As normal, there is an asterisk at the beginning of the code. Then we use the letter Q to tell TigerStop that it needs to download a list. The next element is the part list number we want to download. This number is generated by TigerLink 6. Close the code with another asterisk.

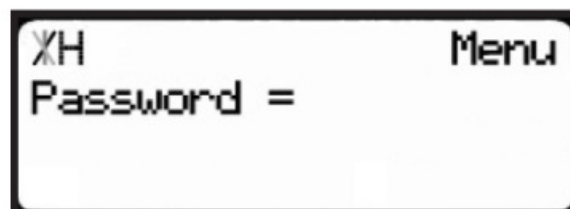
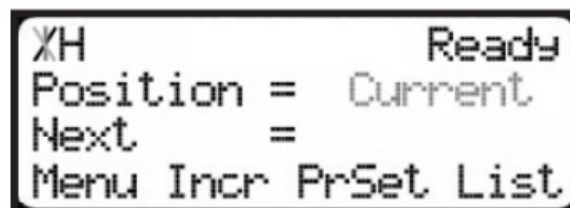
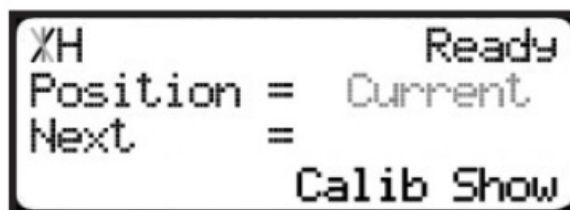


1. Start at the Ready screen. Scan the special part list bar code that you have created.
2. TigerStop will show you the work order you have called for. Press the [Grab] soft key to download the part list.

Note: This method of downloading is also compatible with Workflow Manger.

Printing Bar Codes

TigerStop can print bar coded data when using the TigerStop printing upgrade.

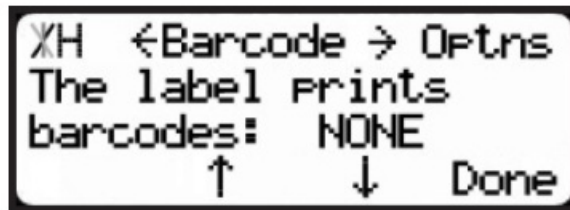
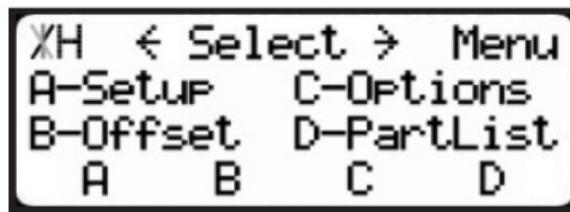



1. Start at the Ready Screen.
2. Press the [Show] soft key to display more options.
3. Press the [Menu] soft key to access the menu select screen.

4. TigerStop requires a password to access the menu screen. Enter your TigerStop password and press

Note: By default, the TigerStop password is set to the serial number.





5. At the menu select screen, press the [Options] soft key to access the Options menu.
6. Press  to scroll through the settings. Stop when you get to the Barcode Setting.

To change Barcode...

1. Press [B] or [C] to toggle the Barcode setting.
2. Press the [Done] soft key to save the parameter.

Online Resources

- TigerStop Users Guide
 - The QR code to the left will take you to the TigerStop Users Guide. This guide will show you how to enter a part list if you are using the part list bar code scanner functionality.
 - Note:** If viewing on a PC, click on the QR code.



- TigerLink 6 Installation Guide
 - The QR code to the left will take you to the TigerLink 6 Installation Guide. This guide will show you how to set up TigerLink 6 to generate part lists that can be downloaded.
 - **Note:** If viewing on a PC, click on the QR code.




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Documents / Resources

	<p>TigerStop Mk2 Bar Code Scanner [pdf] Installation Guide</p> <p>Mk2 Bar Code Scanner, Mk2, Bar Code Scanner, Code Scanner, Scanner</p>
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References

-  [Home - TigerStop](#)
- [User Manual](#)

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