

Pairing the Pilot TLC Receiver and Transmitter

1. If the receiver is powered on, please remove the power and then power it back up.
2. Insert batteries into the transmitter.
3. On the receiver, press and hold the green button next to the power input.
4. Check the destination address. This is programmable by using the DEST button on the lower right. Each press will add a location up to 10.
5. On the transmitter, press and hold the GO button
6. The transmitter and Pilot TLC receiver are now paired to the Destination shown.
7. When operating it is important to reset the destination to the TLC being controlled.

Basic Troubleshooting

- If the transmitter's LED flashes slowly along with an audible tone, several times then stops, the batteries should be replaced or recharged.
- Make sure that the green Power LED on the RX Control Box is lit when the Pilot TLC receiver is plugged in.
- Check the antenna for fraying or loose connection.
- Verify that the Pilot TLC receiver is in the proper mode and is paired with the transmitter. (See the "Operating Instructions" section on the previous page).
- Please visit <http://www.rfhero.com/> and click on the Troubleshooting link for more help.
- Contact us for more troubleshooting help. Should the unit need to be sent in for service we can arrange a return for you.

Sample image of Flagger and Pilot with Destination Location

Flagger Mode Destination 2



Flagger Mode Destination 10



Pilot Mode-30 Sec Destination 1



Pilot TLC



TRAFFIC LIGHT CONTROLLER

Version 1.0
Provided by:
Nichols Electronics, Inc.

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RFHERO™
Industrial Controls



Pilot TLC

Remote Control Installation/Setup

General Information:

The radio remote control traffic control that you are installing can be used for most LED Traffic lights.

Before beginning the installation and testing you should check that each item listed below is available and in good condition.

1. **Antenna:** Magnetic mount antenna with 15ft of cable.
2. **Receiver:** Ready for hook up with a Traffic Light
3. **Transmitter:** Hand-held controller with pushbuttons
4. **Batteries:** (2) NiMH rechargeable batteries and charger
5. **Control Cable:** Prewired to operate the RFHERO TLC



Maintenance Notes

- The receiver box should be kept dry and should be periodically dusted off.
- Check the transmitter's batteries weekly. Only use two (2) AA alkaline or equivalent rechargeable batteries. When the batteries are weak the Transmitter's LED will light on and off slowly and you may notice some reduced operating range.
- Clean the antenna periodically with mild soap and water; do not immerse in water. Allow to dry completely before use.
- If unit is to be returned for service, please dust clean the transmitter and the receiver before sending it back.
- It is recommended to test the unit daily for operation prior to use. Most faults or issues are easily handled when they first appear.

NORTH AMERICA
 Contains FCC ID: MCQ-XB900HP or Contains FCC ID: OUR-XBEEPRO
 IC: 4214A-XB900HP or IC: 4214A-XBEEPRO

The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

EU-CE
 Hereby, Digi declares that the radio equipment type 2.4 GHz XBee-Pro is in compliance with Directive 2014/53/EU.
 The full text of the EU declaration of conformity is available at the following internet address: www.digi.com



Pilot TLC Operating Instructions

Setting Mode for Pilot TLC

The default mode is Flag mode. There are 5 modes:

- Flag
- Pilot Time 30, 60, 90, and 120

Change Modes:

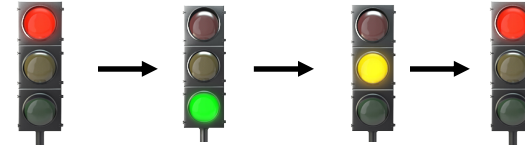
- To change modes, press the Yellow Timer Set button up to 5 times.
- Flag is 1, Pilot Time 120 is 5.
- The transmitter beeps based on the number of times the button was pressed.

Ex: User presses the Timer Set 3 times and hears three beeps, now the system is set to Pilot Time 60

Using Modes:

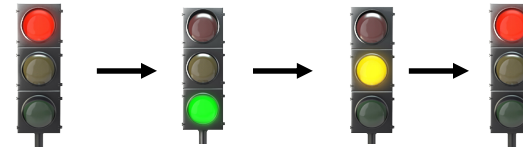
Flag Mode

- The flag mode starts with a RED light
- To change to a green light, press the GO Button
- Pressing the Stop button will change the green light to yellow for 5 seconds and then back to red.
- Pressing ALL RED follows the same pattern - Yellow for 5 seconds and then red - for all receivers in range of the transmitter.



Pilot Modes

- There are 4 Pilot Time modes (30, 60, 90, 120) that correspond to the time in seconds between the light changing from Green to Yellow
- Press the GO Button to initiate the pilot process, the light turns green.
- After the determined time, the light will change to yellow and then to red.
- Pressing STOP or ALL RED will change the light to yellow and then to red without having to wait the time period.



Setting Destination for Pilot TLC

The TLC transmitter can talk to 10 destinations.

Change Destination:

- Press the Blue DEST button from 1 to 10 times to set the destination
- After pressing n-times, the user hears a beep and the destination will be shown in the display.
- Each destination is a specific light under control of the remote handheld.

For help with installation or service -
Phone: (724) 610-5256
Web: www.rfhero.com
Email: remotes@rfhero.com

