
EZPull Trap Base-Station Model TRBP-02

(FW V2.5.0)

The TRBP-02 is a wireless device that receives target commands from remote units and releases targets from the trap machine.

In a standalone trap setup (without a card reader,) the TRBP-02 is designed to operate as the network base-station for the wireless, voice release trap remotes and *Puller's* remote. The base-station has a trap reload delay of 1.25 seconds after throwing a target.

When the TRBP-02 enters *Pause* mode it sends a *Sleep* message to the remotes which shortly after enter low power mode. The remotes wake up shortly after the TRBP-02 changes back to *Run* mode. The TRBP-02 pause/run mode is controlled as follows:

- On power-up it is always in run mode
- After 15 Minutes with no target activity, the TRBP-02 automatically enters pause mode
- When the Puller's remote is turned on, the TRBP-02 automatically goes to run mode. When the Puller's remote is turned off, the TRBP-02 automatically goes to pause mode.
- Any trap remote can switch the TRBP-02 from run to pause and back. This is typically done by using the Puller's remote keys with a microphone icon to mute the system while changing positions.

When used with the TargetManager card reader (*compatible only with TargetManager Firmware version 4 or higher*), the TargetManager controls the pause/run modes and the power saving of the remotes. The TRBP-02 is paired with the TargetManager and operates as a simple receiver.

Setup and installation

Mounting the base station: use a 1-1/4" plastic pipe bracket to mount the base station outside the trap house on the back wall. The cable should point downwards. Drill a small hole in the back or side of the house and run the black cable from the base station into the house. Protect the base station from accidental shot using nonmetallic material. For example a polycarbonate sheet 1/4" or thicker.

Wiring for trap powered from 120VAC, including DC traps powered via inverter:

Connect the switch wires (White & Green) to the "pull cord" terminal of the trap. Plug the 110VAC/12VDC adaptor to a wall outlet. Insert the "barrel" type plug into the jack attached to the Red and black wires.

Wire Color	Connect to 120VAC operated trap
RED	AC/DC adaptor +12VDC
BLACK	AC/DC adaptor GROUND (-)
GREEN	Trap Switch
WHITE	Trap Switch

Wiring for 12VDC trap powered from a battery:

Check the trap manufacturer's wiring instructions and connect the cable to a suitable plug according to table below:

Wire Color	Connect to 12VDC battery operated trap
RED	+12VDC
BLACK	GROUND (-)
GREEN	Trap Switch N/O (Trigger)
WHITE	Trap Switch COM
	For Positive release, connect together with RED
	For Negative release, connect together with BLACK

WARNING: Do not exceed the maximum ratings!

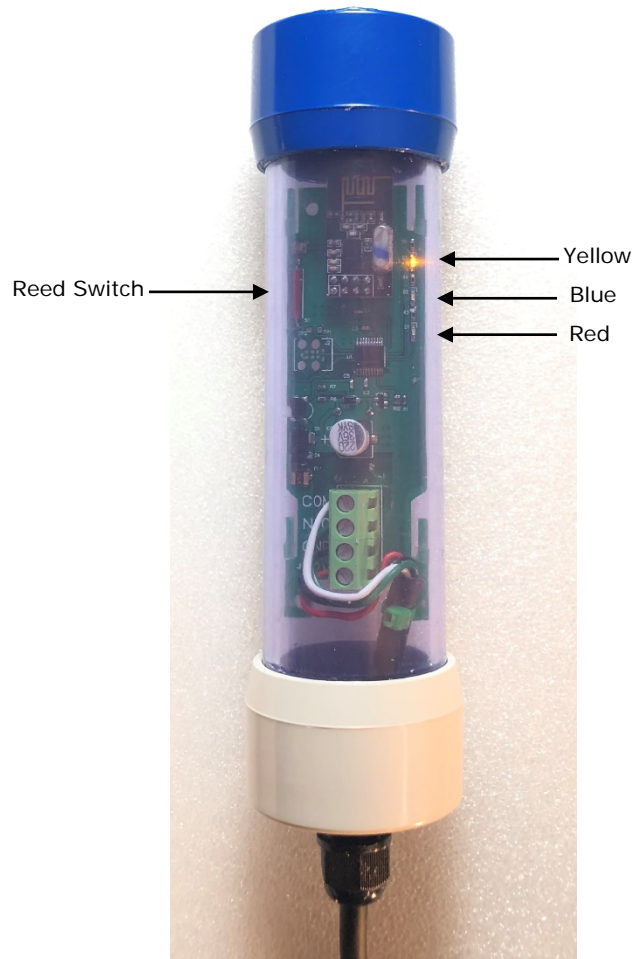
1. * Maximum supply voltage 15VDC
2. * Maximum Trap switch current < 2Amp
3. * Maximum DC Trap switch < 30VDC
4. * Maximum AC Trap switch < 250VAC

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Base Station LED indicators: The base station has three light indicators located on the left hand side of the enclosure:

- Yellow: During normal run mode this LED blinks slowly.
- Blue: this light flashes momentarily when the base station received communications from a remote unit. The Blue LED is on for a longer period when a target command is received.
- Red: blinks fast during pause mode.
"Low battery" - the Red LED stays on during target release.



Pairing the wireless channel:

Pairing the TRBP-02 with a standalone system:

1. Turn off the trap machine or disconnect TRBP-02 from the Trap.
2. Set the TRBP-02 to standalone pairing mode: Place a small magnet next to the magnetic reed switch (looks like a red bar) on the left side of the tube. The Red LED will blink for 2 seconds, then the Yellow LED will blink rapidly as soon as the Red light glows steady, remove the magnet at once (If you see a Blue light start over!) Both Red and Yellow LEDs will flash indicating the base station is waiting for a Pairing call from the remote.
3. Set the remote in pairing mode: See instructions in Puller's remote setup guide '*TPL-WP105_Setup.PDF*' to enter pairing mode and watch the LEDs on the TRBP-02.
4. If pairing is successful, you will see the following light flashing sequence on the TRBP-02: Blue, Red, and Yellow followed by slow flashing of the Yellow LED indicating normal operation mode.
5. Exit the pairing mode on the remote by removing and replacing a battery and turn the remote on.
6. Verify pairing: press the target key on the remote to throw a target. The Blue light on the TRBP-02 should turn on momentarily.

Note: All the voice release remotes on the field must be set to the same channel as the Puller's remote.

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Pairing the TRBP-02 with the TargetManager card reader:

Note: compatible only with TargetManager Firmware version 4 or higher

1. Turn off the trap machine or disconnect TRBP-02 from the Trap.
2. Prepare the card reader for Pairing:
 - 2.1. Use the "Admin" tag to enter TargetManager's admin menu. Select **SETUP** and set **FLD#** to [000] and **MODE** to **TRAP** [004] or **COMBO** [005].
 - 2.2. Exit **SETUP** and select **RESET**. Scroll to **PAIR** and press [3] to select.



3. Set the TRBP-02 to card reader pairing mode.
 - 3.1. Place a small magnet next to the magnetic switch (looks like a red bar) on the left side of the tube.
 - 3.2. The Red LED will blink for 2 seconds, then the Yellow LED will blink rapidly and the Red light will glow steady. Keep holding the magnet until the Blue light turns on and then remove the magnet at once. Both Red and Yellow LEDs will flash indicating the base station is waiting for a Pairing call from the TargetManager.
4. Press the #3 key on the TargetManager. The Red LED on the card reader turns on.
5. If pairing is successful you will see the following light flashing sequence on the TRBP-02: Blue, Red, and Yellow followed by slow flashing of the Yellow LED indicating normal operation mode.
6. Exit pairing mode on the card reader: Press the #4 key on the TargetManager multiple times until it goes back to the main screen.

7. Verify pairing: load targets in the card reader and press the #1 key to throw a target. The Blue light on the TRBP-02 should turn on momentarily.