

# Pro-Tracker Recovery System

USER MANUAL 





# Thank you for your purchase!

Thank you for choosing the Pro-Tracker Recovery System to help recover your wounded game.

Please read through this user manual before using your new system. Properly caring for your Pro-Tracker Recovery System, as outlined in this manual, will ensure your product works well for all your hunts.

This manual will help to familiarize you with the use of each of the items. The more comfortable you are using your Pro-Tracker Recovery System the more successful you will become at recovering your trophy.



The Pro-Tracker Recovery System  
is protected by US Patents #8,974,326; 10,018,454

# TABLE OF CONTENTS

## SECTION 1: Registration & Warranty

- 1.1 – Transmitter & Receiver 1-year warranty

## SECTION 2: Parts & Operations

- 2.1 – Parts of the Recovery System
- 2.2 – Arrow cutting
- 2.3 – Aluminum Carrier
- 2.4 – Transmitter
- 2.5 – Receiver
- 2.6 – Antenna

## SECTION 3: USING THE PRO-TRACKER RECOVERY SYSTEM

- 3.1 – Hide & Seek
- 3.1 – On Your Hunt
- 3.1 – Animal Laying on the Transmitter
- 3.1 – Inputting a Transmitter Code Manually
- 3.2 – Recovering a Lost Transmitter or Arrow
  - Troubleshooting

## SECTION 4: Additional Resources

- 4.1 – Technical Support
- 4.2 – Damage and Returns

## SECTION 5: Building a Target

# SECTION 1: Registration & Warranty

## 1.1 Transmitter and Receiver 1-year warranty

For 1-year warranty to be valid, register your product(s)  
[www.pro-tracker.com/warranty](http://www.pro-tracker.com/warranty)

Pro-Tracker Archery warrants that for a period of 1 year from the date of purchase the transmitter(s) and/or receiver(s) to be free of manufacturing defects of material and electronics.

Pro-Tracker Archery does not warrant for misuse or abuse and will only be warranted under normal-use conditions. At the company's discretion, Pro-Tracker Archery will either replace or repair Transmitter(s) and/or Receiver(s) at no cost to purchaser. Pro-Tracker Archery only warrants transmitter(s) and receiver to the value of replacement or the value paid by you the purchaser. Pro-Tracker Archery will replace transmitter at no cost to purchaser. Submitting pictures and/or returning product(s) may be requested to determine warranty eligibility.

***Transmitters must remain charging 24/7 in charging base when not in use. Transmitters that are unable to be recharged are not covered under this warranty.*** Misuse, normal wear-and-tear, or accidents involving transmitter(s) are not covered under this warranty.

***Purchaser acknowledges he has read the operation manual and the dangers involved if directions are not followed.*** Purchaser agrees that Pro-Tracker Archery shall not be liable for any accidents involving the transmitter, the bow, attachments or arrow attached to the transmitter.

Only the transmitters submitted to company will be covered under this warranty. Pro-Tracker Archery will replace the defective product described free of charge within 1 year of purchase.

Please record your Transmitter numbers for your own record keeping. This will be helpful when hunting with multiple transmitters on a single receiver.

Transmitter #1

Transmitter #2

Transmitter #3

Transmitter #4

Transmitter #5

Transmitter #6

Receiver #

Pro-Tracker Transmitters comply 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. Any changes or modifications to this device will void the user's authority to operate the equipment.

Amateur Radio Licensing: (47 CFR FCC part 97) Our low powered Pro-Tracker transmitters shipped to addresses within the USA, operate only on Amateur Radio frequencies. According to FCC regulations, they require licensing for legal operation. There are no restrictions on their sale or possession, however Pro-Tracker urges users to become familiar with and observe all laws and regulations governing Amateur Radio licensing and operation of the transmitters. Please note that Amateur Radio is not for commercial use. If you want to learn more about ham radio or to be licensed as a Technician Class ham radio operator please visit: [www.arrl.org](http://www.arrl.org) or [www.gordonwestradioschool.com](http://www.gordonwestradioschool.com)

## SECTION 2: Parts and Operation

### 2.1 Parts of the Recovery System



Included in the Recovery System:

- (1) Custom Carrying Case (a)
- (1) YAGI Antenna (b)
- (2) Aluminum transmitter carriers (c)
- (1) Dummy transmitter (d)
- (30) Retainer Clips (e)
- (1) USB Transmitter Charger (f)
- (1) Live radio-frequency transmitter (g)
- (1) Handheld radio-frequency receiver\* (h)
- (1) USB cable & plugin (not pictured)

\*Requires (3) AAA batteries. Not included.

## 2.2 Arrow Cutting

You must cut your arrow 3 inches shorter in order to be the most accurate and effective.

Crossbows use factory bolts; no shortening necessary.

## 2.3 Aluminum Carriers

7075 aircraft aluminum carriers hold your transmitter on the arrow.

The back screws into standard-size arrow/bolt inserts. The front has a built-in threaded insert for the broadhead or field tip.



Inside the carrier near the back is a small magnet. This magnet is what disengages your transmitter from picking up a signal, thus extending the transmitter's battery life while on a hunt.

After the arrow has been shortened, screw the back of the carrier into your arrow's insert. Your arrow is now the same length as before and is able to hold the transmitter.

***Ensure carrier's top opening faces upward in relation to both nock and index vane.***

## 2.4 Transmitters

### LIVE VS. DUMMY

Transmitters, both live and dummy, are installed and shot the same way. Visually, the biggest difference in live and dummy is the black wire. The one with the black wire out the back and its own unique serial number. Do not remove the wire as this will interfere the radio-frequency signal. And do NOT shoot live transmitters into targets.

Live transmitter



Dummy transmitter



### PLACE IN CARRIER

At a slight downward angle, slide the transmitter's barbed front body into the front of the carrier. There are small holes that go through both the transmitter and carrier will align when both are properly aligned.

The magnet inside the carrier will be against the sloped bottom of the transmitter. The magnet turns off the transmitter's battery until it hooks into the animal's hide.



### INSTALL RETAINER CLIP

Retainer clips secure transmitters in place and will release transmitters upon hard impact. The higher poundage and feet-per-second the bow, then, generally, the thicker the retainer clip. (More info in the Troubleshooting section.)

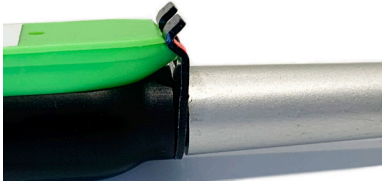


After transmitter is resting in the carrier, slide on retainer clip to back of carrier. **Retainer clip placement and orientation are crucial.** Each retainer clip forks into two prongs, which makes a “C” shape. The “C” needs to face toward the nock and vanes. (See image.)

The backside of the clip’s “C” curve needs rest on the Transmitter to properly hold it down (Figure 5) until it is snug against the Transmitter, then screw on arrow to further secure clip in transmitter (Figure 6).



“C” shape faces nock and vanes



Wire between prongs

### ATTACH TO ARROW/BOLT

With the retainer clip holding down the back of transmitter, screw on arrow to further secure clip.

Be sure the transmitter wire is between the clips and freely coming out the back. Lightweight double-side tape may optionally be used to hold down wire on arrow.

Transmitters do NOT send a signal to receiver while inside the carrier.

### BOW PLACEMENT

Ensure transmitter’s hook is directly on top of arrow when placed on bow’s rest. Tilted right or left may cause arrow to drift, resulting in bad shot placement.

Most fixed-blade and mechanical broadheads work well with this system so long as they open horizontally. The transmitter needs to be on the top of the arrow; Vertical mechanical broadheads interfere with the transmitter’s hook. Ensure broadhead’s blades are on either side of transmitter and not touching it or opening into it.

## PRACTICE

Ensure the carrier pulls up about midway onto your bow's rest.

Using a dummy transmitter, target practice at 20 yards. Adjust pins as necessary. Repeat at 30 and 40 yards until comfortable.

## TRANSMITTER EJECTION

If transmitter is continually releasing before it hits the target, your retainer clips may be too light. If the transmitter does not release from its carrier, the retainer clips may be too heavy.

Please call Tech Support to help with troubleshooting.

## TRANSMITTER DEACTIVATION

The charger has a built-in cutoff when fully charged. The transmitter must charge in the charger 24/7 when not in use. Securely place transmitter in carrier secured with retainer clip when in field. This ensures transmitter is ready for hunt and keeps the transmitter's battery from draining prematurely. Each full charge lasts 18–20 hours. Once hunt is complete, immediately charge transmitter in charging base.

***Transmitters left uncharged for more than 30 days it will no longer accept a charge and will have to be replaced.*** Pro-Tracker Archery will not replace Transmitters neglected in this way.

## **2.5 Receiver**

Handheld radio-frequency receiver picks up the transmitter's signal after 3–5 seconds of impact. Receiver can track up to 6 different transmitter signals at the same time. Receivers are water resistant (not waterproof).

## INSTALL BATTERIES

The battery opening is on back of receiver. A foam padding protects the receiver but can make the back difficult to remove. Once the cover slides forward, pull cover up to remove. In a dry place, put in (3) AAA batteries and slide on cover. Bringing additional batteries is always recommended on hunts.

To turn on or off, flip switch on left side of receiver.

## ACTION SCREEN

This screen displays current transmitter in use, time of day, time spent tracking, and current battery life.



## PAIRING TRANSMITTERS & RECEIVERS

To pair the transmitter's unique serial number into the receiver, press the "R" button first, then remove the transmitter from carrier to send signal to receiver. Place the Transmitter next to the Receiver and the code will automatically be paired in the Receiver. Continue this for up to 6 Transmitters.

## UNPAIR TRANSMITTERS

To remove transmitter serial number from the receiver, push "Enter" and then "M". All paired transmitters display on the manual screen. To remove transmitter, scroll down to the transmitter you wish to remove. Press and hold "R" for 4 to 6 seconds. The highlighted transmitter will now be removed from the receiver.



## 2.6 Antenna

The antenna is sensitive to the signal being generated by the transmitter.

To install, align the antenna's and receiver's BNC connectors together and push down with quarter turning turn to lock into place.

The antenna is directional; the more the antenna is aimed at the transmitter or target, the higher the number on the receiver.



## SECTION 3: In the Field

### 3.1 *Using the Pro-Tracker Recovery System*

#### HIDE & SEEK

Becoming familiar and comfortable with the tracking unit before a hunt is essential.

With friends and family play a game of hide and seek. One person takes a paired transmitters and hides, and the other person takes the receiver. Once settles, turn on the receiver and follow the signal's increasing strength (i.e. higher number).

Move the receiver left, center, and right. Pause between each direction and read the signal strength. Whichever signal is stronger, walk in a straight line for 50–75 yards. Take another reading. The signal becomes stronger when getting closer to the transmitter.

The more this exercise is done, the easier it will be to track on game day.

#### ON THE HUNT

The Recovery System is designed to aid in finding your wounded animal; it does not replace logical tracking skills.

It is important and wise to follow all signs of the wounded animal, including blood trails. The Recovery System takes over when all other options are exhausted, including rain, no blood, heavy down fall or brush.

After the shot is made, point the receiver it in the last direction animal was seen running. Turn your body in 10-degree increments until the signal is found. Wait 15 seconds then take another directional reading. Go slow.

Go in the direction of the highest signal strength. After walking 50–75 yards, take another reading yards. Triangulate the strength readings. Stay a distance away until the animal stops and lies down. This may take up to 30 to 45 minutes after the shot is taken.

#### ANIMAL LAYING ON TRANSMITTER

If no signal is detected, the animal may be laying directly on the transmitter. If this happens you may only get a signal 100 to 200 yards. Utilize traditional tracking skills until a signal picks up.

Another suggestion is to move to higher ground. Being above the transmitter will allow the signal to travel farther. The transmitter's signal will increase as you get closer.

## 3.2 Troubleshooting

**Problem:** Getting a similar signal in the opposite direction.

**Solution:** You should be able to get a signal in the opposite direction, only the signal will be stronger when the Receiver is pointed at the Transmitter. The higher the number on the Receiver is the direction to go. You can also try placing the Receiver lower on your body and use your body as a shield. This will also help to isolate the location of the Transmitter.

**Problem:** I cannot pick up a signal on the Receiver.

**Solution:** Make sure the power switch is turned on. Wait 20 seconds for the signal to indicate. If you still don't receive a signal, check to make sure antenna is in place properly. Don't be in a hurry, take your time and move in the direction you last saw the animal going. The animal may be down and laying on the Transmitter. You will pick up the signal when you are in range of the transmission from the Transmitter. Moving to higher ground may also be an option.

**Problem:** Sporadic or inconsistent number on my Receiver.

**Solution:** Batteries are low—replace them immediately.

**Problem:** Signal strength is weak or intermittent.

**Solution:** Transmitter needs to be recharged or you are slightly out of range. Try moving in the direction of the last transmission and the signal should get stronger.

## SECTION 4: Additional Resources

### 4.1 Technical Support

We are happy to help troubleshoot with you!

Technical support: +1 (801) 608-0190

Order support: +1 (208) 356-0657

Or reach out via email: [support@pro-tracker.com](mailto:support@pro-tracker.com)

### 4.2 Warranty and Returns

If you are not entirely satisfied with your purchase, we're here to help.

#### WARRANTY REPAIRS/REPLACEMENT

If you suspect there was damage due to manufacturing error as outlined, please call our office. We may require photos and/or the product shipped back to us. If determined to be issue with manufacturing or electrical error not due to neglect of purchaser, we will either repair or replace broken part free of cost and pay for shipping cost.

#### RETURNS

You have 30 calendar days to return an item from the day order arrived. To be eligible for a return, your item must be unused and in the same condition that you received it. Your item must be in the original packaging and have a receipt or proof of purchase. Items will be subject to a 25% restocking fee as well as costs to repair or replace items.

#### REFUNDS

Once we receive your item, we will inspect it and notify you that we have received your returned item. We will immediately notify you on the status of your refund after inspecting the item. If your return is approved, we will initiate a refund to your credit card. You will receive the credit within a time depending upon your card issuer's policies. If you receive a refund, the items returned will be subject to a 25% restocking fee; The cost of repairing/replacing items will be deducted from your refund. Any shipping cost paid by customer will be deducted from refund amount.

You will receive the credit within a 2-3 days depending upon your card issuer's policies.

#### SHIPPING

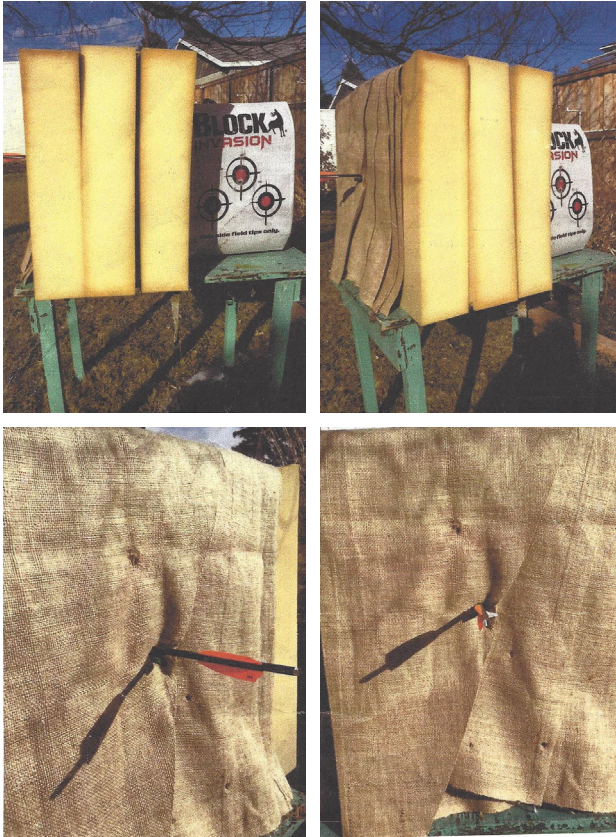
You will be responsible for your own shipping costs for returning your item. Shipping costs are nonrefundable.





## SECTION 5: Building a Target

To ensure the protection of your Pro-Tracker Recovery System and to accurately simulate animal hide during target practice, you will need to build a soft target.



1. From your local hardware store, purchase at least three pieces of 4-inch foam. Stack the pieces side-by-side as seen in the pictures to the left. This will allow for easy arrow removal from the target and protection for the carrier.

2. We then recommend you wrap your foam in burlap to simulate animal hide and to catch the dummy tracker. Place your favorite target behind foam for support. Your soft target is now ready.

