



PRO-TRACKER RECOVERY SYSTEM **USER MANUAL**





PROTRACKER™ ARCHERY

THANK YOU FOR YOUR PURCHASE!



System Includes:

- (1) Radio Frequency Transmitter
- (2) 7075 Aluminum Carriers
- (1) Radio Frequency Receiver LED Screen
- (1) YAGI Antenna
- (1) Practice Dummy Transmitter Alpha
- (1) Dual Charger for Transmitters
- (1) USB Cable for Charger
- (1) USB to Edison plug
- (1) Custom Carrying Case

Compound bow Setup:

- (30) Retainer Clips

Crossbow Setup:

- (30) Retainer Clips, (15) O-Rings
and (30) Secure Bands



P.O. Box 413 Rexburg, ID 83440
www.pro-tracker.com

WRITE THEM DOWN. **KEEP THEM SAFE.**

We at want to 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.

Write down your Receiver model number and Transmitter numbers in the spaces provided below.

Receiver Model #

1st Transmitter #

2nd Transmitter #

3rd Transmitter #

4th Transmitter #

5th Transmitter #

6th Transmitter #

Transmitters are intended for Amateur Radio Service (FCC parts 97) and must have Amateur Radio License to use these devices. For more information please see back cover of the manual.

TABLE OF **CONTENTS**

SECTION 1: OPERATING INSTRUCTIONS | pg 1

- 1.1 — Parts of the Pro-Tracker® System | pg 1
- 1.2 — Aluminum Carrier | pg 1
- 1.3 — Radio Frequency Transmitter & its Functions | pg 2
 - 1.3.1 — Charging the Transmitter | pg 4
 - 1.3.2 — Transmitter Deactivation | pg 5
- 1.4 — Receiver and its Functions | pg 5
 - 1.4.1 — Setting the Code of the Transmitter | pg 5
- 1.5 — Antenna and its Functions | pg 7

SECTION 2: USING IN THE FIELD | pg 7

- 2.1 — Learn to use the Pro-Tracker® Sytem | pg 7
- 2.2 — On Your Hunt | pg 8
- 2.3 — Animal Laying on the Transmitter | pg 8
- 2.4 — Inputting a Transmitter Code Manually | pg 9
- 2.5 — Recovering a Lost Transmitter or Arrow | pg 9

SECTION 3: TROUBLESHOOTING GUIDE | pg 10

SECTION 4: BUILD A TARGET

SECTION 5: TRANSMITTER WARRANTY & DISCLAIMER | pg 11

SECTION 6: RECEIVER WARRANTY & DISCLAIMER | pg 12

SECTION 7: RETURNS



SECTION 1: **OPERATING INSTRUCTIONS**

Figure 1



1.1 Parts of the Pro-Tracker® Recovery System

The Pro-Tracker® Recovery System is comprised of the following equipment (Figure 1):

- a. Transmitter Carriers
- b. Radio Frequency Transmitter
- c. Dummy Transmitter
- d. Radio Frequency Receiver with LED Screen
- e. YAGI Antenna
- f. USB Transmitter Charger
- g. Custom Carrying Case
- h. Retainer Clips
- i. O-Rings (crossbow set up)
- j. Secure Bands (crossbow set up)

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.

1.2 Aluminum Carriers

The Aluminum Carriers (Figure 2) are an integral part of the Pro-Tracker® Recovery System. They are



Figure 2

what screws into your arrow and holds the Radio Frequency Transmitter (section 1.3). The Carriers are made from a 7075 aluminum alloy that is typically used in aerospace programs. It is the strongest aluminum on the market and made to withstand high velocity impacts. The Carriers will fit on any arrows using a standard arrow insert.

Remove 3 inches from standard arrow shaft (compound only)

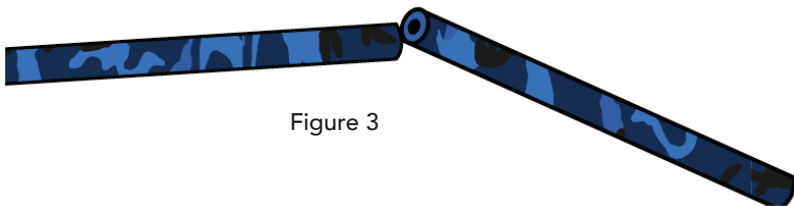


Figure 3

You must cut your existing arrow 3 inches shorter (Figure 3) in order to be the most accurate and effective. The Carriers have a built-in threaded insert for the field tip or broadhead of your choice. Crossbows use factory bolts; no shortening necessary.

After you have shortened your arrow, screw the Carrier into your insert on the arrow. Your arrow is now the same length as before and is able to hold the Radio Frequency Transmitter (section 1.3).

The Carriers are aerodynamically designed to compensate for the weight and shape of the Transmitter. Meaning minimal adjustments to your equipment. Ensure the opening of the Carrier is facing upward. To adjust the opening direction, use an O-ring to adjust the position.

1.3 Radio Frequency Transmitter & Its Functions

The Pro-Tracker® Transmitter is rechargeable, lightweight, and water resistant (see Figure 4). The transmitter disengages from the arrow upon impact;



Figure 4

not affecting penetration & allowing for pass-throughs. The Transmitter hooks into the animal's hide and begins sending a unique radio frequency signal every 3 seconds for the duration of the battery life (18-20 hours), or until it is placed back into an Aluminum Carrier. You will need the Pro-Tracker® Receiver (section 1.4) to read and track the signal (up to 2 miles away).

To use, slip the Radio Frequency Transmitter into the Aluminum Carrier (section 1.2) and push it all the way forward so that the holes in the side of the Carrier line up (see figure 5). There is a slightly different setup for the the compound bow and crossbow.

Compoundbow Setup

Once the Transmitter is resting in the Carrier, slip on the Retainer Clip (Figure 5) until it is snug against the Transmitter, then screw on arrow to further secure clip in transmitter (Figure 6).



Figure 5

IMPORTANT: The clip must face the correct way!

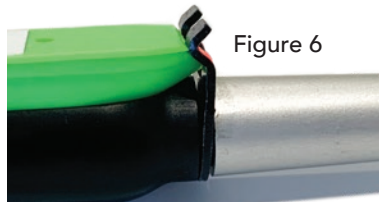


Figure 6

The backside of the clip's "C" curve needs rest on the Transmitter to properly hold it down (Figure 6). As an additional help, we try to always mark the side facing the arrow with red (see Figure 7).



Figure 7

Crossbow Set up

Figure 8

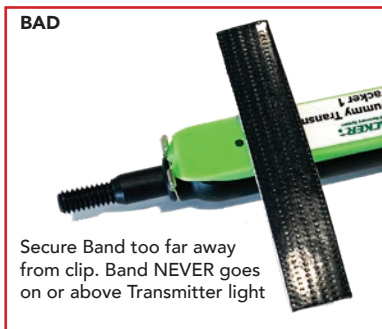


All crossbows shoot differently. The Retainer Clips and Secure Bands require a different set-up based on your crossbow's make and model. Contact Pro-Tracker Archery or go to our website for correct set up.

The crossbow set up is the same as the compound set up, with two exceptions: The O-Rings and the Secure Band. After the clip is resting against the Transmitter, slide on a black O-Ring. Its function is to secure the Clip and Transmitter in place. Screw on your arrow, being sure not to over-tighten. (Figure 8)

You'll then need to use the Secure Band to wrap around the Transmitter and Carrier. **Correct placement of this Secure Band is vital!** It must be wrapped around the transmitter as close to the Clip without covering the Clip. (See Figure 9)

Figure 9



The Secure Band should **not cover** the Transmitter light or any portion above the light. The Transmitter is designed to break away from the Band upon impact. Placing the Band higher on the Transmitter affects its ability to break free when it hits the animal. Figure 10 shows the correct placement.



Figure 10

IMPORTANT: You must make sure the hook is in the straight up position of the arrow. A hook tilted right or left may cause the arrow to drift and could cause injury to yourself or your equipment. Never place your finger in front of the arrow or Transmitter.

Be sure the Transmitter wire is between the clips and freely coming out the back (Figure 11).

The Transmitter does not send a signal while it's in the Carrier.

Now with your broadhead in place make sure that the hook is positioned between the blades.

The Radio Frequency Transmitter is equipped with a rechargeable battery. When the Transmitter is fully charged it has a 18 to 20 hour life. This should be more than enough time to track your Transmitter and recover your game.

Remember that the Pro-Tracker® System is designed to help recover a mortally wounded animal.

Radio Frequency Transmitters should never be used during target practice or to sight in your bow. Instead, use the Practice Dummy Transmitter for target practicing and sighting your bow.

The specially engineered Aluminum Carrier (section 1.2) will help to compensate for most of the increased weight (80 grains) that has now been added to your arrow.

The attached Carrier should be pulled up on the rest just as it would if you didn't have the Carrier, and the increased diameter will compensate for the increased weight. Start out at 20 yards using your regular 20 yard pin. Shoot the arrow with the Practice Dummy Transmitter to see if there is any drop and adjust your pins to compensate. Repeat this at 30 and 40 Yards.

1.3.2 Transmitter Deactivation

Outside of a hunt, leave the Transmitter in the charger with the charger plugged in, 24/7! The charger has a built-in cutoff when it is fully charged. It will recharge the Transmitter as it is discharged. If the Transmitter is not being used this will help to ensure that the Transmitter is fully charged when you need it. If the Transmitter is placed in the Aluminum Carrier or 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.



Figure 11

1.4 Receiver and its functions

The Pro-Tracker® Radio Frequency Receiver (Figure 12) is a compact system with an easy to attach antenna. This state-of-the-art receiver can track up to 6 different Transmitter signals at the same time. Displaying signal strength, Transmitter number, current time, time spent tracking, and current battery life, all on a easy to read LED screen. The Receiver is designed to be water resistant and should be kept in a protected place.

On the back of the Receiver is the battery opening. Remove the cover and place 3 AAA batteries in the directions indicated. We suggest that you carry additional AAA batteries with you in the field while hunting. Make sure you are in a dry place before putting the batteries in the Receiver.



Figure 12

1.4.1 Setting the code of the transmitter

Action Mode Screen (Figure 13)

On the top of each Transmitter is a number indicating the code for each individual Transmitter giving it its own identity. The Receiver is already programmed to receive 6 different Transmitters. To set the code into the Receiver, Press the R Button first, then remove the Transmitter from the Carrier, this will activate the Transmitter. Place the Transmitter next to the Receiver and the code will automatically be paired in the Receiver. Continue this for up to 6 Transmitters.

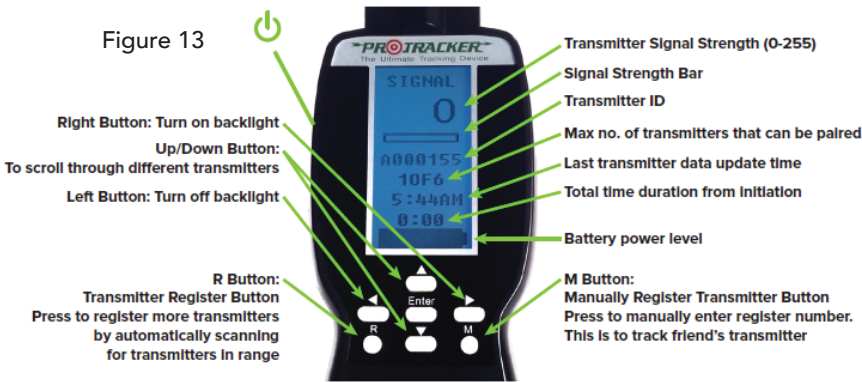


Figure 13

Auto Transmitter Register Mode (Figure 14)

To remove the code from the Receiver push the enter button and then the manual button. In the manual mode you will see all of the codes for each of the Transmitters you have in your Receiver. To remove a coded Transmitter simply scroll down to the Transmitter you wish to remove, now press and hold the register button for 4 to 6 seconds. The highlighted Transmitter should now be removed from the Receiver. The LCD screen on the Receiver will show a number when there is a active Transmitter. The LCD will show you which Transmitter it is as well as a number indicating the signal.

Figure 14



1.5 Antenna and its functions

The specially designed Antenna (Figure 15) is very sensitive to the signal being generated by the Transmitter. Place the BNC connectors together and push down turning 1/4 turn to lock in place. The Antenna is very directional, the more the Antenna is aimed at the Transmitter or target the higher the number on the Receiver. Once you have determined the highest number, move the Receiver with the Antenna left and right to make sure that the highest number is indicated on the Receiver. Once you have determined the direction by the highest number on the Receiver take a reading 50 to 75 yards directly in front of the Antenna and then walk to that position. Again take another reading on the Receiver using the same procedure as before. You will soon arrive at your target.



Figure 15

SECTION 2: **USING IN THE FIELD**

2.1 Learn how to use the Pro-Tracker® System

With your friends and family play a game of hide and seek. One person takes a Transmitters programmed into the Receiver and goes hide where ever he wants. Give him a few minutes to get in place. Now see if you can find him. The more you do this the easier it is to become familiar with the system and how it works. Once you have used the Pro-Tracker® System for a few games of hide and seek it is time to use the Pro-Tracker® system to aid in finding your target you have hit with an arrow.

2.2 On Your Hunt

The Pro-Tracker® system was designed to aid in finding your wounded animal. The Pro-Tracker® system will not replace your tracking skills. In fact you will still need to follow all signs of the wounded animal, including blood trails or other means. The Pro-Tracker® System will take over when all other options are gone-in case of rain, no blood, heavy down fall or brush. This is when the Pro-Tracker® system is most valuable.

By turning on the Receiver and pointing it in the last direction you saw the animal go, look for a signal. Continue to turn your body in 5 degree increments until the signal is found. Wait 15 seconds then take another reading. Go slow and step at 10% increments.

Then take the highest reading and head in that direction to your way point 80 to 100 yards away and take another reading. By watching your Receiver you can determine if the animal is moving or is stationary. If the animal is still moving 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.

2.3 Animal Laying on the Transmitter

If a signal is not detected the animal may be laying directly on the Transmitter. If this happens you may only get a signal 100 to

200 yards away. Use your tracking skills until you pick up the signal.

Another suggestion is to move to higher ground. Being above the Transmitter will allow the signal to travel farther. As you get closer to the Transmitter the signal should increase. The highest the number on your Receiver screen is the direction you want to go. Also, the higher the number on your LCD screen helps indicate how close the animal is.

2.4 Inputting a Transmitter Code Manually

If a Transmitter is not registered and you want to help track that Transmitter, simply go to the register mode and manually input the code of the Transmitter you want to track. You may be required to remove one of the six Transmitters you already have in the Receiver (see 1.4.1) as your Receiver will only hold a total of 6 Transmitters. This is another very important reason to write down each Transmitter number and keep it with you.

2.5 Recovering a Lost Transmitter or Arrow

A Transmitter that is ejected from an arrow because of a missed Shot, branch, or a premature ejection can be located with some work. Take a reading from your Receiver and mark an imaginary line in that direction. Next move the Receiver to another point at about 90 degrees from the first and take another reading. The spot where the two lines intersect should be the area where you will find the Transmitter or arrow.

SECTION 3: **TROUBLESHOOTING GUIDE**

Problem: I am 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: **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.

You built a target?
We'd love to see!
Tag us on social media,
#protrackerarchery



SECTION 5: **TRANSMITTER WARRANTY & DISCLAIMER**

Pro-Tracker Archery warrants that for a period of 1 year from the date of purchase the transmitter(s) which number(s) are recorded below to be free of defects of material and the electronics.

Transmitter Serial Number(s)

#	#	#	#
#	#	#	#

Pro-Tracker Archery does not warrant the transmitter for misuse or abuse and will only be warranted under normal use conditions. Pro-Tracker Archery may at the company's discretion either replace or repair the transmitter.

Purchaser agrees to leave transmitters in charger when the transmitters are not in use. Transmitters that are unable to be recharged are not covered under this warranty. Misuse, normal wear and tear, or accidents involving the transmitter are not covered under this warranty.

Pro-Tracker Archery only warrants the transmitter to the value of replacement or the value paid by you the purchaser. Pro-Tracker Archery only warrants the transmitters to the value of replacement or the value paid by you the purchaser and at Pro-Tracker's option will replace or refund the product described.

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.

For the warranty to be valid, a copy of the original purchase receipt must be sent to our Pro-Tracker Archery Office. Only the transmitters listed above will be covered under this warranty. Pro-Tracker Archery will replace the defective product described free of charge within 1 year of purchase. Extended warranty transmitters listed above will also be covered under this warranty.

*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.

Did You Purchase A 2 Year Warranty?: ☐ Yes ☐ No

Purchaser			
Address & Phone Number			
Signature		Purchase Date	

Mail To: Pro-Tracker LLC
P.O. Box 413
Rexburg, ID 83440

Customer Service: 801-608-0190 -or- 208-356-0657
Email: info@pro-tracker.com
Fax Number: 208-356-9732



SECTION 6: **RECEIVER WARRANTY & DISCLAIMER**

Pro-Tracker Archery warrants that for a period of 1 year from the date of purchase the digital receiver to be free of defects of material and the electronics.

Pro-Tracker Archery does not warrant the receiver for misuse or abuse or to be completely water proof and will only be warranted under normal use conditions.

Pro-Tracker Archery may at the company's discretion either replace or repair the receiver. The warranty only applies to normal use conditions. Misuse, normal wear and tear, water, or accidents involving the receiver are not covered under this warranty.

Pro-Tracker Archery only warrants the receiver to the value of replacement or the value paid by you the purchaser and at Pro-Tracker's option will replace or refund the product described.

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

For the warranty to be valid a copy of the original purchase receipt must be sent to the Home Oce of Pro-Tracker Archery. Only the receiver listed below will be covered under this warranty. Pro-Tracker Archery does not warrant that the product will perform error free. Shipping and handling not included.

Receiver Model REV 1 Extended warranty receivers will also be covered under this warranty.

*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 or www.gordonwestradioschool.com

Did You Purchase A 2 Year Warranty?: ☐ Yes ☐ No

Model Number	#
Purchaser	
Address & Phone Number	
Signature	Purchase Date

Mail To: Pro-Tracker LLC
P.O. Box 413
Rexburg, ID 83440

Customer Service: 801-608-0190 -or- 208-356-0657
Email: info@pro-tracker.com
Fax Number: 208-356-9732

SECTION 7: **RETURNS**

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

RETURNS:

You have 30 calendar days to return an item from the date of purchase. 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.

You will receive the credit within a time depending upon your card issuer's policies. If you receive a refund, the cost of return shipping and repairing/replacing items will be deducted from your refund.

SHIPPING:

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