



# Tracking Nock System

## Operating Manual

### Rev F



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## Bloodhound XTN Operating Instructions

### Introduction

Thank you, and congratulations, you now have the original Tracking Nock for your pursuits in the great outdoors! This product will help you recover more game with less grid searches, bring back your meat in less time, with less spoilage, and less risk from predators finding your trophy before you do.

The Bloodhound XTN tracking system consists of 2 parts, the handheld Tracker and one or more XTN tracking nocks. The Tracker can be used with up to 6 different tracking nocks which are identified on the nock and on the Tracker's display as numbers 1 through 6.

The XTN tracking nocks are installed in the rear end of the arrow / bolt shaft to replace your existing nock and remain dormant until launched. Once launched from a bow or crossbow-the XTN tracking nocks lights up and begins transmitting a digital identification code to the tracker every 1.5 seconds.

During a well-placed shot on a game animal, wings integrated into the tracking nock collide with the target and pull it out of the back of the arrow / bolt shaft as the arrow / bolt passes through the target. The XTN tracking nock's retention mechanism opens inside the animal's body cavity as it is pulled from the arrow shaft. Even if the arrow does not pass through the animal, the nock will still transmit and light up.

Once activated, the handheld Tracker can lock onto the XTN tracking nock transmissions, giving you a directional indication pointing to the tracking nock's location and a signal strength indication that allows you to know the relative distance from your location to the tracking nock or game being tracked.

#### **Getting Started with your XTN Tracking Nock installation.**

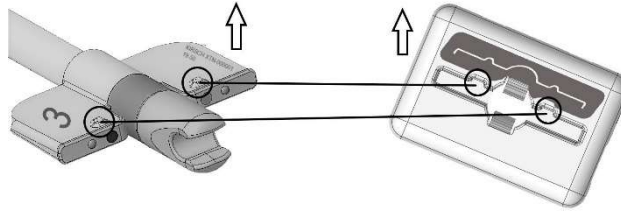
##### **1) Charging.**

**IMPORTANT:** Charge your XTN tracking nocks before first use.

**CAUTION!** Always insert the XTN tracking nock into the USB Adapter with the nubs (bumps) on the wings to slide along the openings in the adapter made to fit these nubs. Inserting incorrectly or backwards will damage the tracking nock electronics permanently.

The XTN tracking nock may be inserted into the USB Adapter with or without a pin nock inserted on pin at time of charging.

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1) Plug in USB adapter using the included USB cable and power adapter. An LED light in the USB adapter will show it has power.

2) **IMPORTANT:** Insert XTN with nubs (also # of nock, and labeling on the green internal circuit board) facing up, and into the open slot designed to accept the XTN in this direction. Failure to do this will permanently damage the XTN tracking nock.

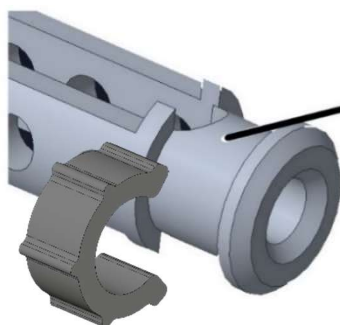
Inserting the XTN into the charger will show the status flash as described below in Battery Status section. If the battery needs charging, then the XTN will emit the charging flash which is a quick double flash once per second. When done charging the flashing will stop. Taking the XTN off the charger and then putting it back on a few hours later will likely result in it charging for a few minutes, maybe 10- 15 minutes before it says that the charging is complete again. It will register 4 bars for weeks, even as long as a couple of months after being charged. Once fully charged or removed from the charger at any time the XTN returns to standby mode.

### 2) Bushings.

There are multiple bushings in your kit to properly fit the XTN tracking nock into an arrow / bolt shaft with inside diameters of .244" (S) or .246" (GT) for compound bows, or .285", .297", and .300" for crossbow bolts. There are 2 times the quantity of bushings included in your kit in case you would lose a bushing during insertion or removal of XTNs from arrow shafts.

Compound bow arrows with .244" ID or .246" ID: one bushing should be installed onto the front ring cutout of the XTN tracking nock. There is no need for a rear bushing.

Component part number XTN-00027 is the bushing for arrows of .244" ID  
Component part number XTN-00028 is the bushing for arrows of .246" ID



Compound bow arrow with .244" or .246" inside diameter: install one bushing at front of XTN tracking nock, then insert XTN into rear of arrow shaft until back of arrow shaft lands on the front of XTN wings.

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Crossbow bolts with .285", .297", and .300" inside diameters, in addition to a front bushing as in the above, require a second bushing on the rear of the battery holder shaft for snug fit with the bolt.

Component part number XTN-00029 is the front bushing for bolts of .285" ID

Component part number XTN-00030 is the front bushing for bolts of .297" ID

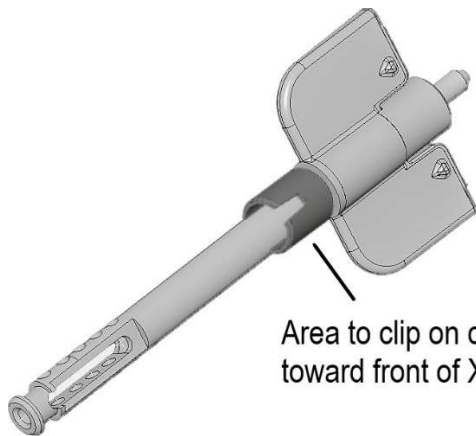
Component part number XTN-00031 is the front bushing for bolts of .300" ID



Component part number XTN-00032 is the rear bushing for bolts of .285" ID

Component part number XTN-00033 is the rear bushing for bolts of .297" ID

Component part number XTN-00034 is the rear bushing for bolts of .300" ID



Area to clip on crossbow rear bushing, with bushing opening toward front of XTN to allow for easy insertion into bolt.

Install the same size and number of bushings onto the practice XTNs as you did the live XTN tracking nock. **The fit to the shaft should be snug**, where the XTN can be inserted into shaft without a tool, but stay completely in the shaft when hanging from rear of pin nock end and slightly shaking the arrow / bolt. **Install completely so the rear of the arrow / bolt lands onto the aluminum ring in the front of the XTN wings. Not following this could result in personal injury and/or damage to your equipment.**

### 3) Pin Nocks.

Next, install the proper nock to fit the weapon being used. In case of compound bow, use the pin nock included. In case of crossbow bolt use the included flat, half moon, or capture nock style as described by the crossbow manufacturer.

Compound bow:

Component part number XTN-05001 pin nock

1. While rotating, press the pin nock onto the pin bushing until it is fully seated against the base of the pin bushing.
2. Rotate the XTN wings according to preference and arrow rest design.
3. Rotate the pin nock to index it according to preference and arrow rest design. Be sure not to rotate the wing from the prior arranged position.

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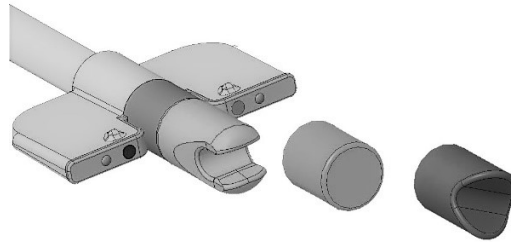
### Crossbow:

Component part number XTN-00007 flat pinnock

Component part number XTN-00008 half-moon pinnock

Component part number XTN-00009 capture pinnock

1. While rotating, press the pinnock onto the pin bushing until it is fully seated against the base of the pin bushing.
2. Rotate the XTN wings so they are perpendicular to the index vane (odd colored vane) of the bolt so the XTN wings float across (horizontal) the rail of the crossbow.
3. Rotate the pinnock to index it to the crossbow string and XTN wings. Be sure not to rotate the wings from the prior arranged position.



### CAUTION!

- Please note: pinnocks included in your kit are designed for use with their corresponding weapon as described above. Do NOT use the designated compound bow pinnock in crossbows. Crossbows increased acceleration requires the more robust designated crossbow pinnocks. Use of the compound bow pinnock in a crossbow may result in personal injury and/or equipment damage.
- Do NOT use this product if the XTN wing rear outside corners come in contact to the crossbow string when the crossbow is cocked. If the nock wings touch the string this may result in personal injury and/or equipment damage during firing of the crossbow.
- Do NOT glue pinnocks onto the pin bushing. Doing so may weaken the pinnock and result in personal injury and/or equipment damage.
- Inspect pinnocks before EACH shot. Cracked, chipped, or loose-fitting pinnocks should be discarded and replaced immediately. Failure to inspect and replace may result in personal injury and/or equipment damage.
- Make sure usage of this product DOES NOT inactivate your crossbows anti dry fire feature (if equipped with an anti-dry fire feature).

### 4) Activation.

**WARNING! Seek expert advice for proper setup before using. Bow cables, cable rollers, bow riser, arrow rest, and bow site clearance by the XTN tracking nock wings is required! If the XTN tracking nock wings do not clear their entire travel path before exiting the front of the bow it may result in personal injury and / or equipment damage.**

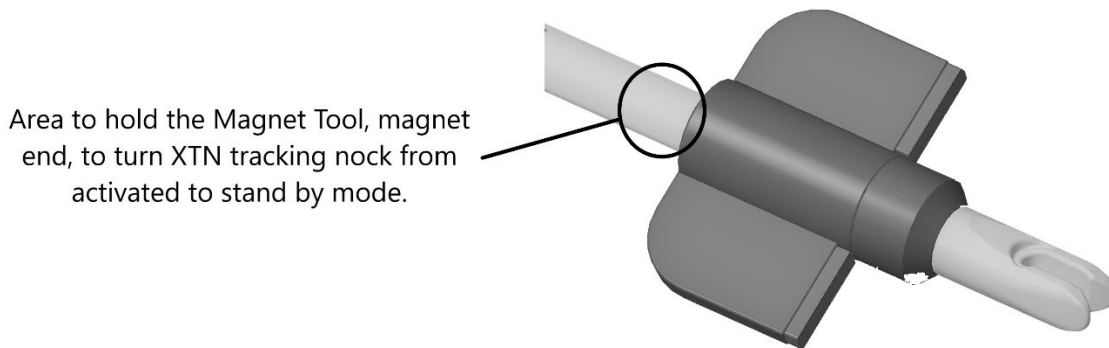
The XTN Tracking Nock will automatically activate upon arrow / bolt launch because of the force that activates a proprietary inertial switch built into the XTN. Upon string release two LED lights will light up in the rear of the wings for 3 seconds letting you know the XTN is on and aiding you in seeing the flight

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of the arrow / bolt. After 3 seconds the XTN will go into a blinking mode where it will stay on and transmit for as long as 18 hours. The tracking nock does not need to be turned off to be shot again and reactivated (initial 3 seconds of lighted LEDs), as it will reactivate each time it is shot.

### 5) Turning the XTN tracking nock from activated to standby mode.

Hold the Magnet Tools magnet end within a half inch of the XTN tracking nock shaft where the arrow / bolt shaft and front of wings cross. Either side of XTN, top or bottom when arrow lays horizontal will work, as long as you are near the front of the wings. Do this for two seconds. The LED lights will immediately stop flashing when changed to standby mode. XTN tracking nock can now be shot again, recharged, or stored.



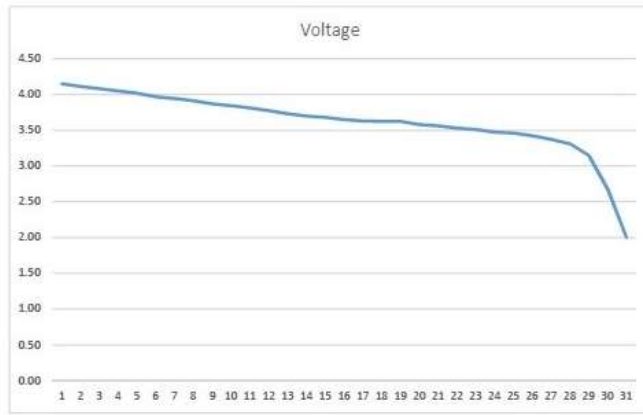
**Note: As with any sporting equipment, it is very important that you read and follow all of the instructions provided with your Bloodhound XTN system. Particularly those pertaining to the mounting and use of the tracking nocks with your particular equipment and setup. Failure to do so may result in personal injury.**

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### Functions of the XTN Tracking Nocks

**Battery status.** To see the state of charge, plug the XTN trackingnock into the charger. The LED's will flash from 1 to 4 times to indicate the charge level. The chart below shows the levels for each of the 4 zones. 4 flashes is 74% capacity or more, 3 is 49-74%, 2 is 19 to 49%, 1 flash is below 19%. Note that 1 flash is anything below 19%, and could be as low as 1%. Our recommendation is to ensure that you have 4 flashes before going on a hunt. The XTN can be left in the charger to view the state of charge indication or pushed in and pulled out quickly. Once the state of charge is shown the XTN returns to standby mode.

Time (Hr)	Voltage (V)	Discharge (mAh)	Capacity (%)	Vsense (V)	Tracker Gage
0	4.15	0	100%	2.075	
1	4.11	1.10	96%	2.055	
2	4.08	2.20	93%	2.04	
3	4.05	3.30	89%	2.025	4 Bars
4	4.02	4.40	85%	2.01	
5	3.97	5.50	82%	1.985	
6	3.94	6.60	78%	1.97	
7	3.91	7.70	74%	1.955	
8	3.87	8.80	71%	1.935	
9	3.84	9.90	67%	1.92	
10	3.81	11.00	63%	1.905	3 Bars
11	3.77	12.10	60%	1.885	
12	3.73	13.20	56%	1.865	
13	3.70	14.30	52%	1.85	
14	3.68	15.40	49%	1.84	
15	3.65	16.50	45%	1.825	
16	3.63	17.60	41%	1.815	
17	3.62	18.70	38%	1.81	
18	3.62	19.80	34%	1.81	2 Bars
19	3.58	20.90	30%	1.79	
20	3.56	22.00	27%	1.78	
21	3.53	23.10	23%	1.765	
22	3.51	24.20	19%	1.755	
23	3.47	25.30	16%	1.735	
24	3.46	26.40	12%	1.73	
25	3.42	27.50	8%	1.71	
26	3.37	28.60	5%	1.685	1 Bar
27	3.31	29.70	1%	1.655	
28	3.14	30.80	-3%	1.57	
29	2.67	31.90	-6%	1.335	
30	2.00	33.00	-10%	1	



**Test mode.** With the XTN inserted into an arrow / bolt shaft, hold the magnet near the end of the arrow / bolt shaft or just in front of the XTN wings, and plug the charger onto the XTN (or push the XTN into the charger). The LED's will light immediately and stay on for as long as the magnet is held in place. Upon removing the magnet, the battery status flashes will be shown followed by the 3 second flash as if the XTN was just launched. Once the 3-second interval is over the transmit operation will be started and the LED's will give a short flash once every 1.4 seconds. Test mode can be stopped by applying the magnet for two seconds as described above. The XTN will then return to standby mode.

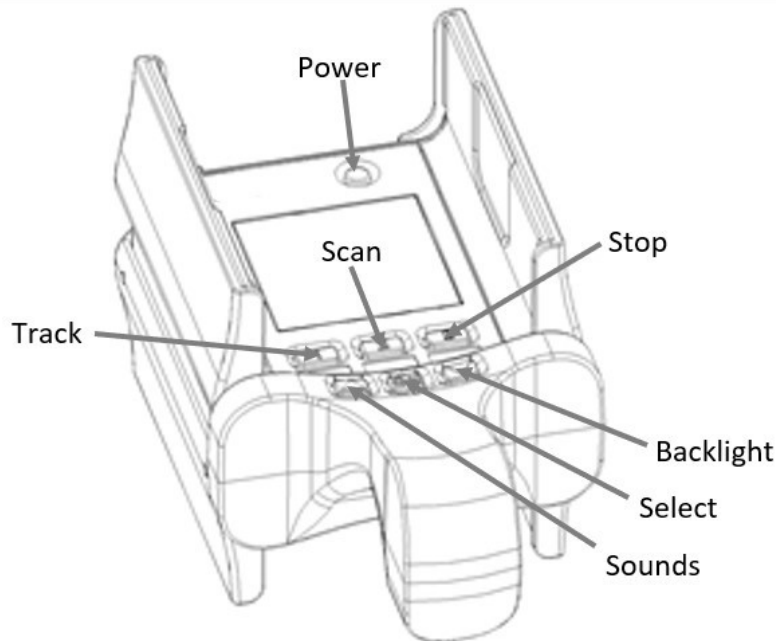
**Storage mode.** Storage mode is entered into the same way as test mode except the magnet is left in place for 20 seconds. At the end of the 20 second interval the XTN will flash the LED's very rapidly for about 2 seconds and will enter storage mode. When in storage mode, the XTN cannot be activated by launching or handling the unit. To exit storage mode the XTN must be inserted into the charger at least for a moment. If the state of charge flashes are seen then you know that the XTN has returned to standby mode.

**Standby mode.** XTN is in low power standby waiting for the inertial switch to be activated or for the charging voltage to be applied. If the switch is activated, the LED's will immediately come on for 3 seconds and then the transmission sequence will start. Transmit is retriggerable; if transmit mode is

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already active, launching the XTN again will repeat the 3-second LED flash and resume transmissions again. Note that it is not transmitting during the 3-second interval. The Tracker will probably lose sync with the XTN if it is tracking the XTN during a second launch. If scanning, the tracker will pick up the XTN in the scan as soon as it starts transmitting again, and if tracking it will automatically reacquire the XTN 4-5 seconds after transmissions resume. When stopping transmit with the magnet, the XTN will go back to standby mode.

**Your Tracker has two different operating modes:**



### Scan

The scan operation sweeps the surrounding area for any (up to 6) tracking nocks that are currently transmitting and shows them on the Tracker's display. If more than one tracking nock is found to be active then the display will show which tracking nock has the highest signal level, indicating that it is likely to be the closest one to you.

Scan is used when you are uncertain which tracking nock(s) have been shot or, if several shots have been taken, which tracking nock is closest to you for recovery. Once you have found and deactivated the tracking nocks from missed shots and determined which tracking nock is on the arrowed game, the tracking mode can be used for recovery.

### Track

The tracking operation searches for the radio signal from the selected tracking nock and, once found, displays a directional arrow and signal strength indication. The signal strength indication is always available when the tracking nock is within range and can be used to search in a "hotter/colder" fashion to get closer to the game. The directional arrow will help guide you to the exact location of the game, or missed shot, when you get closer to the tracking nock.



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### System Operation

#### Controls

The Bloodhound XTN Tracker has a power button and 6 control buttons as shown above.

#### Control Functions:

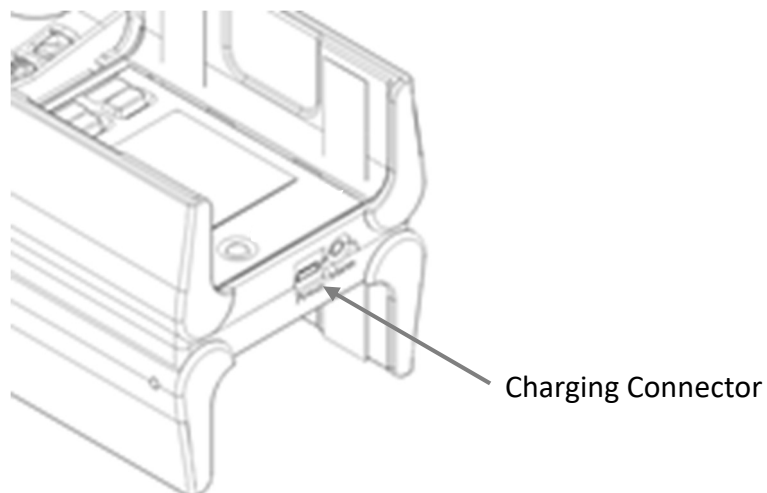
- Power: The power button is pressed for 3 seconds to toggle the Tracker on and off
- Track: Enters track mode
- Scan: Enters scan mode
- Stop: Stops either tracking or scanning
- Sounds: Toggles the internal beeper on and off (sound is helpful during tracking)
- Select: Used to select the highlighted item on the display
- Backlight: Toggles the display backlights on and off (this is helpful during low light tracking)

#### Charging the Tracker

Charging is accomplished by connecting the supplied AC adapter and Micro USB cable to the Power jack on the front panel of the Tracker as shown below.

The Tracker will charge whether it is turned on or off. Charging a fully discharged battery takes 2 ½ to 3 hours. If you turn the Tracker on while charging, the gage (shown under “Powering on the Tracker” below) will count up repetitively to show that the Tracker is charging, when done charging, the gage stops counting up and shows full. If the charger is kept plugged in with the Tracker on, eventually the battery will need to be “topped-off” and the gage will show charging status again until the battery is back to 100% charge capacity.

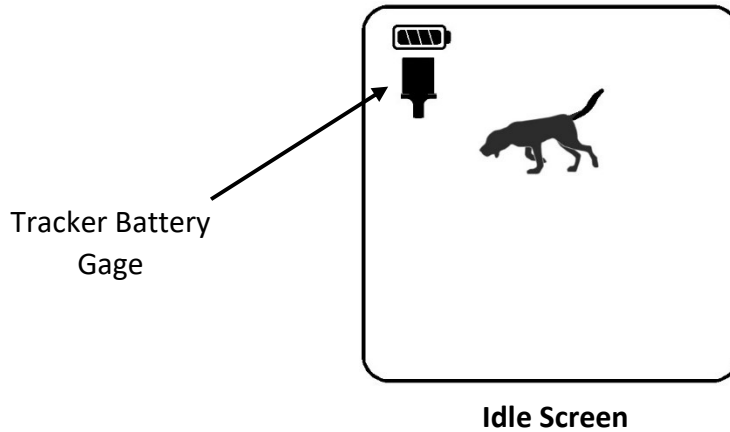
The Tracker can be charged with the supplied AC adapter and also any USB power source that can supply 1 amp or more of current. This can include other USB AC adapters, a charging outlet in a vehicle, a USB port on a computer, a rechargeable USB battery or any other USB source with the required current capacity.



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### Powering on the Tracker

To power on the Tracker, hold the round power button down for 2-3 seconds until the display comes on. Initially the display will show all available icons and then will present the idle display as shown below.

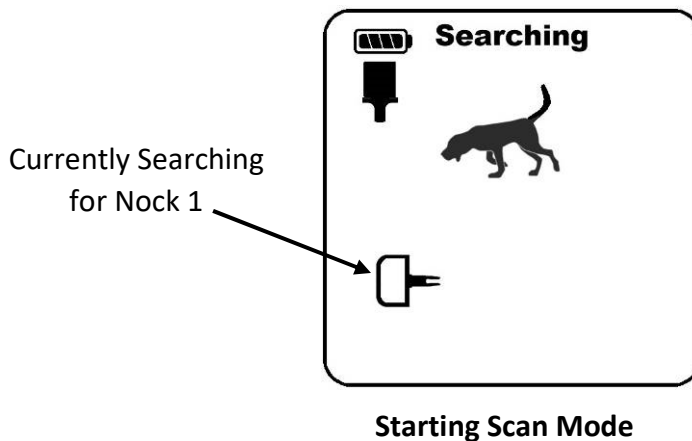


The Tracker's battery gage is always shown and indicates the state of charge of the battery. There are 5 levels that can be shown; 4 bars is the highest charge level and no bars showing is the lowest level.

### Scan Mode

If you are uncertain which trackingnock numbers you have shot and wish to track, Scan mode allows you to determine which trackingnocks are currently transmitting within the range of the Tracker. This may be used for gathering missed shots or for tracking-an animal if the nock number is unknown.

To start Scanning for active trackingnocks, press and release the Scan button. The display will appear as shown below.

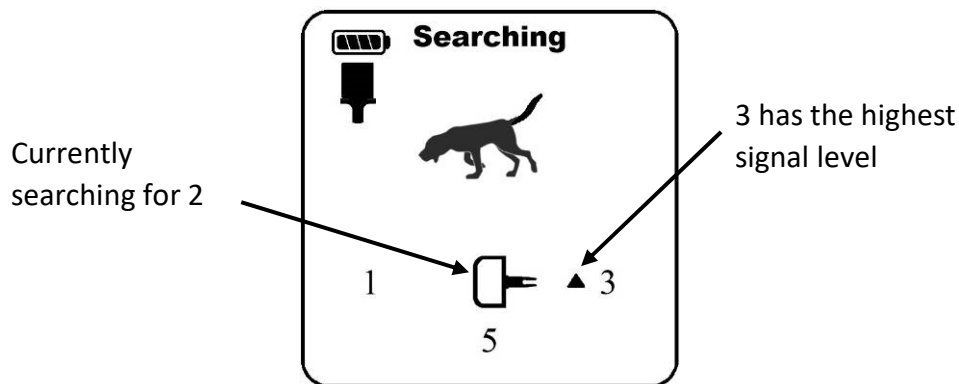


The scanning process starts with trackingnock type 1, after 3 seconds the Tracker will display the results for number 1 and begin searching for number 2. This process will continue through all 6 types and then begin with 1 again until either the Stop button or Track button is pressed.

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As the scan progresses, each activated nock type found to be within range will have its number displayed on the screen. If more than one tracking nock is found, then an up-arrow will indicate which one has the highest signal level and therefore is likely to be the closest one to your location. Note that an arrow that is, for example, buried in the snow, close to you and one that is stuck in a tree further away may show the one in the tree as being the closest because of the signal lost passing through the snow.

The screen below shows an example of the scan operation starting a second pass with tracking nocks 1, 3 and 5 already found to be within range and number 3 having the highest signal level. The Tracker is currently scanning for tracking nock type 2. If a tracking nock number that was previously found is no longer responding, perhaps because you, or it, has moved out of range, then the number will be cleared from the display after that type is searched for again. The display refreshes 3 times per minute so it always reflects the current status of the tracking nocks within range of your location. If you are searching with the aid of a moving vehicle, it is best to drive no more than 15-20 MPH so you are not driving through the area covered by the Tracker before a scan completes. If the sounds are enabled you can use the Tracker for hands-free searching by listening for the beep tones. Each time the Tracker receives a signal from an XTN there will be an audible indication from the Tracker.



**Scan Mode, Nock types 1, 3 and 5 Found**

Pressing the Stop button clears the scan display back to the idle screen (as shown in "Powering on the Tracker" above). Once you know which tracking nocks are within range you may select one for tracking.

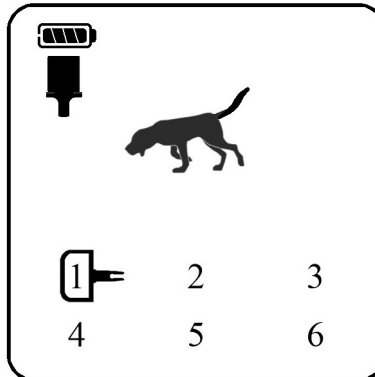
### Track Mode

There are two ways to enter Track mode, one is from the idle mode, such as when the Tracker is just powered on, and the other is from the Scan mode. Either method starts with pressing the Track button.

If entering Track mode from the idle mode, the Tracker's display will appear as shown below. All 6 tracking nock types will be shown with the cursor on the number 1 position. Each press of the Track button will advance the cursor to the next number. When the cursor is over the desired number you can press select (Sel button), or wait 3 seconds without pressing track, to lock in the selection. If you

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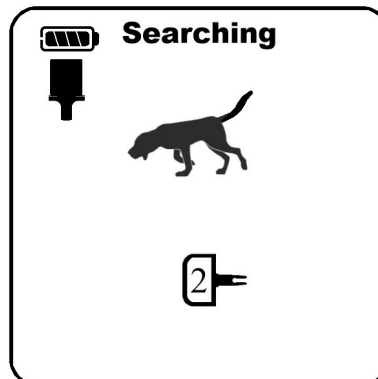
accidentally pass over the desired number, then you can continue pressing track and rotate through all the available numbers again.



**Tracking Screen when First Selecting a Tracking Nock Number**

If entering the track mode from the Scan mode, the process is the same as shown above but the results of the scan operation will be shown on the display. This allows you to easily select a tracking nock that is currently active and within range and, if desired, to select the one that has the highest signal level and is likely to be the closest to your location. You do not have to select a tracking nock that was found in the Scan mode, you can track any of the 6 nock numbers even if they were not found in the Scan operation.

Whether starting from Idle or Scan, once a tracking nock number is selected, the tracking display will appear as shown below. In this example, tracking nock number 2 was selected for tracking.

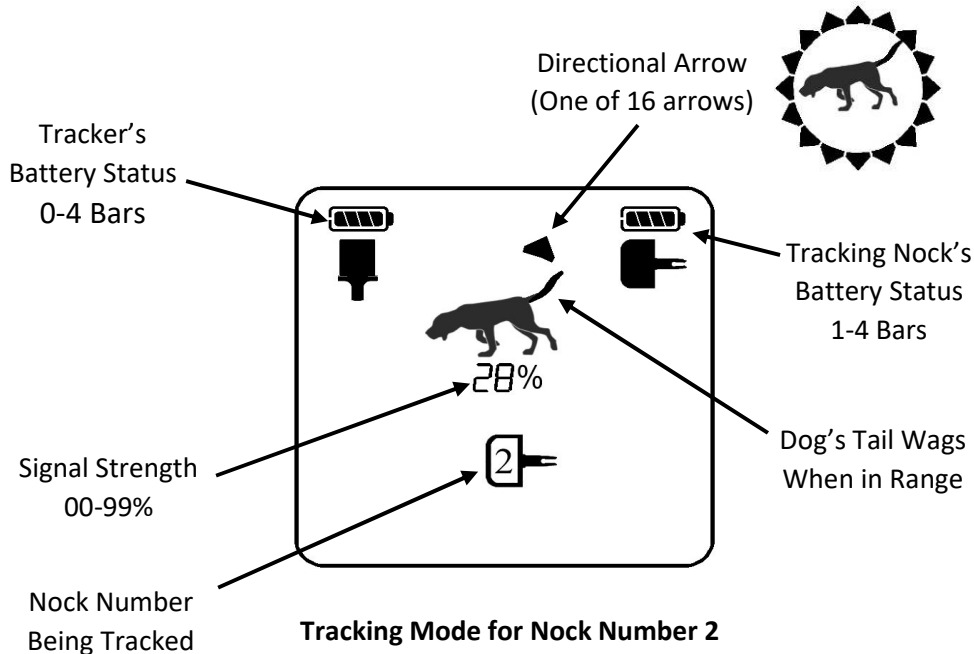


**Tracking Screen when Searching for a Selected Tracking Nock**

If the tracking nock is nearby, the Searching operation will take about 3 seconds to complete and then the Tracker's screen will move to the track mode as shown below. Often, the tracking nock will be out of range and you will need to move closer to pick up the signal. Do not be concerned about switching off the Tracker to conserve power for extended searches, the Tracker can stay in search mode for a full 24 hours on a fully charged battery, even with the display backlights switched on.

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Once the tracking nock is within range, the Searching indication will disappear, and the Tracker's display will appear as shown below. Once tracking is started, the display will be updated once every 1.5 seconds.



**To get the best results when tracking, always hold the Tracker out in front of you, waist high, level to the ground with the display screen facing skyward and not facing your chest.**

**Signal Strength:** The signal strength indication will always be present on the screen as long as the tracking nock remains within range of the Tracker. This can be used in a "hotter/colder" fashion to get closer to the tracking nock and to know if the nock is a great distance away or very close by.

The signal strength varies from 0% (no signal) to 99% (maximum signal). In practice, you will generally not see a 0% reading on the display because it takes some signal for the information from the tracking nock to be received, 8% - 10% is usually the lowest you will see and indicates that the nock is barely in reception range. 99% is the highest signal level that can be measured and indicates that the tracking nock is very close, within a matter of feet, of your location.

Signal strength is shown as a percentage varying from 0 to 99% but it is not strictly a percentage. 50% is not half the range of the system and 25% is not necessarily twice the distance away as 50%. In general, each 14% increase in signal strength indicates that you are now half the distance from the tracking nock than you were before. Please refer to the Tracking Tips section for further pointers on using the signal strength indicator.

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**Directional Arrow:** Each time a signal is received from the tracking nock the Tracker attempts to measure the direction that the signal arrived from. If the direction cannot be measured because of signal reflections, obstructions or insufficient signal level, then the directional arrow will not be shown. The directional arrow is useful for heading in the general direction of the nock and to precisely locate hidden game or missed shots. There are many factors that can influence the directional arrow indication, please refer to the Tracking Tips section for further pointers on using the directional indicator.

**Tracking Nock Battery Status:** The nocks battery status display has 4 levels; 4 bars indicates a battery that has a 75% to 100% state of charge and 1 bar indicates a battery that has less than 20% remaining capacity.

**No Signal:** If you are tracking a nock and the signal is lost for a period of time then the display will read “No Signal” and no signal strength, directional indication or tracking nock battery status will be shown. If the no signal condition persists then the Tracker will return to the searching mode for the selected tracking nock and you will need to move back into range for the tracking operation to resume.

**Tracking Tips:** If you are in an open area with few obstructions and the tracking nock is within range of the tracker then tracking is easy – just start the Tracking mode and follow the arrow directly to the tracking nock, if you are not careful you may step on it. However, if you are in rough terrain the radio signals lose their power much more quickly and are blocked by objects while being reflected off others. In situations like this, you need to use some techniques to get the most out of the Bloodhound XTN system. Here are some tips on tracking that will help you track more effectively:

1. Begin the search using the techniques that you normally use (i.e. observing the direction of the game, following the blood trail, etc.) If you know the tracking nock number you are searching for then use Track mode as it gives a faster indication that you are within range. If you are not certain about the nock number, then use the Scan mode until you come within range.
2. If you are using Scan mode, then switch to Track once the tracking nock number is known.
3. Once the communications with the tracking nock have begun (Searching is no longer displayed, dog’s tail is wagging and the information on the display is updating) use the directional display to determine in which general direction to proceed. If you cannot get a directional arrow, or it is erratic, take the following steps:
  - a. Make certain you are holding the Tracker in front of you, waist high and screen facing upward.
  - b. If possible, move to a clear, unobstructed area away from buildings, automobiles, hills, etc.
  - c. Higher ground is always better if available, even the standing on the bed of a truck or on a boulder will improve both the range and the direction finding.
  - d. If you do not get a directional reading facing one direction, turn 90 degrees and try again. Once you get a directional arrow, always turn to face directly in that direction, with the arrow straight ahead. Walking away from the tracking nock will not produce good results.
  - e. If you are still not getting a directional indication it is often possible to use the signal strength indicator to resolve a general direction to head in. Hold the handle of the Tracker in tight to your body and note the signal strength reading, now turn 90 degrees and note the reading again. Do this in all 4 directions and then head in the direction giving you the highest reading.
  - f. When you first get a directional indication, it is best to qualify it to make certain that you are moving towards the tracking nock and not away from it. To do this, turn your body so that the

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arrow points straight ahead, now turn 90 degrees and check to see if the arrow still points in the same general direction. If it does, then that direction is likely to be correct. If the arrow now points in the opposite direction of what it did originally, turn your body to face that direction, if the arrow confirms that direction then it is likely the correct path to the tracking nock.

- g. Always note the signal strength indication as you move, if you lose signal or if it becomes significantly lower, return to the area where you had higher readings and then choose a different direction to search.
- h. When far away from the nock the directional arrows will show the general path to take to get closer (e.g. up the trail vs. down the trail). If the nock is far away you know that its direction from your location can not change quickly, so don't try to gauge each step based on the directional arrow, just move along until you see a consistent change in the indicated direction. Verify that the signal strength is generally increasing as you move forward. Once again, the signal strength will vary somewhat with each reading, you want to look for a trend in the readings are generally getting higher or lower as you move.
- i. When you are close to the nock, the directional information will become much more sensitive. For example, if the nock was in a bush just to the right of the path you are walking on you might see the arrow point forward as you approach. Then, a few seconds later, the next reading may point directly to the right because you are now next to the bush. If you take one more step, a few seconds later the directional arrow would be pointing behind you because you have now passed the bush. In contrast, if you were 100 yards from the tracking nock then a few steps in any direction will not change the directional indication because the change is so small.
- j. If searching from a vehicle, you will be primarily be looking to establish contact with the tracking nock and then leaving the vehicle to continue to search on foot.

**At all times when using the Tracker while in a vehicle, follow safe driving procedures and, whenever possible, have a companion with you to operate the Tracker.**

### Exiting Scan or Track Modes

You can stop Scan or Track mode and return to the idle screen at any time by pressing the Stop button. Alternatively, if you are finished using the Tracker you can simply turn it off to exit either mode.

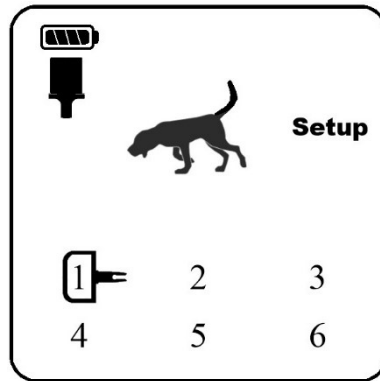
### Scan Setup

By default, the Tracker scans all 6 tracking nock types to determine which nock numbers are transmitting within range. If you do not have all 6 nock types or are using only certain ones on a hunt,

## Bloodhound XTN Operating Instructions

it is beneficial, but not essential, to disable the search for tracking nocks that you do not own or have not shot.

To enter Scan Setup mode, hold the Sel button down until the display shows Setup (about 3-4 seconds) and then release the Sel button. The Tracker's display will appear as shown below.



### Scan Setup

When entering Scan Setup for the first time, all 6 nock numbers will be shown. Short presses of the select button will move the cursor to the next nock number. To include a nock number in the scan, place the cursor on that number and press the Scan button. To remove a nock number from the scan, place the cursor on that number and press Stop. If you pass over a nock number that you wish to change, you can move through the selections again with short presses of the Sel button. Once you have the desired list of tracking nocks that you wish to include in the scan, press and hold Sel for 3-4 seconds until Setup disappears from the display.

If you have been using the Scan Setup feature to configure the tracker for different hunts, practice sessions, etc., then you should check the setups prior to using Scan mode to make certain it is configured correctly for your current situation. You may also verify that the Tracker is searching for the correct nock numbers by noting which numbers are included when scanning and which are skipped over.

### SAFETY INFORMATION

**ARROW REST WARNING:** Before shooting any Kirsch tracking nocks it is extremely important to inspect the arrow rest to ensure that it is a proper choice and properly adjusted to clear the diameter and width of the tracking nock being used. **FAILURE TO PROPERLY SELECT AND ADJUST THE ARROW REST TO CLEAR THE TRACKING NOCK WINGS SIGNIFICANTLY INCREASES THE RISK OF INJURY TO THE SHOOTER AND DAMAGE TO THE EQUIPMENT.** Incorrect selection and adjustment of the arrow rest may cause the tracking nock to collide with the arrow rest and/or get jammed in the bow which could result in injury to the shooter or bystanders, and damage to the shooting equipment. **ALWAYS MAKE CERTAIN THAT THE ARROW REST IS PROPERLY SELECTED AND ADJUSTED BY A QUALIFIED INDIVIDUAL BEFORE SHOOTING.**



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Selecting the correct arrow length is the responsibility of the shooter and failure to do so could result in severe injury, and/or damage to shooting equipment.

**TRACKING NOCK INSPECTION WARNING: INSPECT EACH ARROW AND TRACKING NOCK FOR DAMAGE PRIOR TO EVERY SHOT.** Proper care can ensure years of quality performance. However, shafts and nocks can be damaged. To inspect a nock closely examine for any cracks, change in shape, or pieces missing from the nock. Rotate and repeat this inspection process four to five times around the entire circumference of the nock. If you find any nock to be damaged in any way discard it immediately. **SHOOTING DAMAGED NOCKS CAN RESULT IN NOCK FAILURE AND PERSONAL INJURY.**

### Technical Specifications

#### Tracker

Housing Color:	Black
Weight:	10 ounces
Dimensions (product when closed):	H: 6", W: 3.5", D: 1.5"
Operating Temperature:	-10°C to +50°C
Storage Temperature:	-20°C to +45°C up to 6m -20°C to +20°C up to 2yr
Battery Type:	Rechargeable Li-ion
Battery Life:	24 hours in Search or Track mode
Charge Cycles:	250
External connectivity:	USB for battery recharge
Range:	Up to 400 yards
Weatherproofing:	Light Rain
Screen display:	Backlit
Sound:	Yes

#### XTN Tracking Nock

Wing Color:	Translucent orange
Metal Color:	Black Anodized
Pin Nock Color:	Translucent orange
LED Color:	Ultra-Bright Orange
Weight:	
XTN w/o pin nock:	95 grains
Compound bow pin nock:	4 grains
KIRSCH flat nock:	9.2 grains
KIRSCH half-moon nock:	9.5 grains
KIRSCH capture nock:	10.2 grains
Dimensions:	L: 3.4" total (without pin nock attached) L: 0.86" from rear of arrow shaft to front of pin nock W: 1.26" wing span Diameter: 0.345" max O.D.
Operating Temperature:	-30°C to +50°C
Storage Temperature:	-20°C to +45°C up to 6m -20°C to +20°C up to 2yr

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Battery Type:	Rechargeable Li-ion
Battery Life:	18 hours in Transmit mode 12 months in Standby or Storage mode
Charge Cycles:	250
Weatherproofing:	Water resistant, do not submerge
Charging Temp:	0°C to +55°C
Product Approvals:	FCC part 15; IC

### Limited Manufacturer's Warranty

We stand behind every product we make. If you are unhappy with any of our products at the time you receive them, please send them back. Damage due to use will be repaired at a reasonable cost.

Your Kirsch Bloodhound Tracking System is guaranteed against defects in materials and workmanship not caused by normal wear, misuse, or improper maintenance as determined by Kirsch, LLC. It does not cover damage by impact from another arrow or impact with hard objects. The extent of our limited warranty for each product is as shipped. Repair or replacement is your exclusive remedy for any defective product. If you believe you have purchased or received a defective product, a Return Merchandise Authorization (RMA) number must be obtained by submitting a warranty claim to Customer Service using the number or email address on the Kirsch support page. Items sent back without an RMA number will be refused and returned to the sender. Kirsch, LLC will not be liable for any injuries or damages to any person, property, or equipment that is caused by improper use/installation/maintenance, modification, or alteration of this product or any use other than normal personal archery use. In no event shall we be liable for any special, incidental or consequential damages of any kind arising out of the purchase or use of any product, whether based on contract, tort, statute or otherwise. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State. In addition, any warranties implied by law shall in no event extend beyond the duration of the express warranty offered, if any. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. PRIOR TO USE, PLEASE READ AND FOLLOW ALL SAFETY INFORMATION AND INSTRUCTIONS INCLUDED WITH YOUR PRODUCT. FAILURE TO DO SO MAY VOID THIS WARRANTY.

Our Warranty/Repair Process will help you identify a defect versus normal wear. Please contact 800-970-8041 to discuss the situation further or if you would like an estimate before submitting a non-warranted repair.

### Returns

This return policy only applies to orders from Kirsch. If you purchased items from a dealer, please contact that dealer. Authorized returns must have a prior return merchandise authorization (RMA) and may be subject to a restocking fee. Contact Customer Service using the number or email address on the Kirsch support page to obtain an RMA number. You are responsible for any shipping, handling, and insurance costs associated with the return item. All authorized returns must be shipped within 30 days of delivery, must be returned unused, complete and in its original packaging and must be accompanied

## **Bloodhound XTN Operating Instructions**

with a copy of the invoice. For your protection, we suggest all returns be sent back by a traceable carrier such as UPS or FedEx. Kirsch is not responsible for product lost in shipment.

### **Product Descriptions**

We attempt to make our product descriptions as accurate as possible. However, we do not warrant that product descriptions or other content is accurate, complete, reliable, current, or error-free. If a product is not as described, your sole remedy is to return it in unused condition.

Kirsch may revise, discontinue or modify products at any time without prior notice to you and products may become unavailable without notice. Kirsch will have no liability of any kind if any product is not available.

### **Compliance with Laws**

It is your responsibility to ascertain and obey all applicable local, state, federal, and international laws (including minimum age requirements) in regard to the possession, use and sale of any item purchased from Kirsch. By placing an order, you represent that the order is lawful and will be used in a lawful and appropriate manner. In addition, you acknowledge that any goods sold in the U.S. may be subject to the import or export laws of the country in which the goods are sold. Accordingly, you agree to abide by all applicable export laws and regulations, including but not limited to the Export Administration Act, and you represent and warrant that you will not transfer such goods to a foreign nation or a foreign destination in violation of law.

### **Patents**

This product is protected by the following patents:

US Patent 8,821,325

US Patent 6,788,199

US Patent 7,148,801

CA Patent 2438172

### **Product certification**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules and the Requirements of Industry Canada RSS-247. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This 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.

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

### **How can we help?**

From support with your order, to product questions, to techniques being used in tracking you have access to our entire team. Please call 800-970-8041 or email [CustomerService@KirschHunting.com](mailto:CustomerService@KirschHunting.com) for more help.