

Bowbug instructions

TRANSMITTER

1. Remove the transmitter from the package, insert a battery into the end of the transmitter with the positive (+) side up and the negative (-) side facing the transmitter board. Attach a magnet directly between the battery and the front of the transmitter.
2. Remove the broadhead and place the BOWBUG on the end of the arrow shaft approximately one half (1/2) inch behind the end of the arrow shaft. Using the supplied rubberbands, place two bands near the front and two bands near the rear of the transmitter. Use four (4) rubberbands for large game. DO NOT place a band directly on the flexible antenna. Attach the broadhead back on the arrow shaft. Position the BOWBUG transmitter flush to the back of the broadhead. Refer to Fig. A



Fig. A

For best results, align the barbs of the transmitter so they are on each side of one of the broadhead blades and on top of the arrow (while nocked on your bow). Before using the BOWBUG, ensure the BOWBUG clears your rest when the arrow is drawn. (In some cases, arrows may need to be lengthened)

3. Before shooting the BOWBUG transmitter, remove the small magnet. This magnet activates or deactivates the transmitter. Removing the magnet activates the transmitter and starts transmitting a signal. Replacing the magnet directly behind the battery turns the transmitter off. Ensure the transmitter is off by using the receiver to verify the transmitter is not transmitting.

The transmitter will NOT pass through shoot-thru netting.

To reduce movement while in the stand you can remove the magnet once you reach your stand. The battery life is approximately five (5) days. Ensure you replace the magnet upon exiting your stand to prolong battery life.

It is recommended that before each hunt and upon storage of the BOWBUG you check the strength of the battery by turning on the transmitter and testing for a strong signal.

RECEIVER

1. Remove the receiver and antenna items from the packaging.
2. Assemble the antenna: (Refer to Fig. B)
 - a. Ensure you have all parts before continuing.
 - b. Attach short element "B" to the front of main mast "A", ensure the element is seated properly in the element saddle before tightening with a wing nut "H".
 - c. Attach long element "D" to the rear of the main mast "A", ensure the element is seated properly in the element saddle before tightening with a wing nut "H".
 - d. Locate oval element "C" and place in the center of the main mast, ensure the arrow is facing towards the short element "B".
 - e. Place the receiver housing "E" on the underside of the main mast "A" utilizing the bolts of the oval element "C" and wing nuts "H" to fasten the housing to the mast.
 - f. Attach the antenna cable from the oval element "C" to the back of the receiver housing "E".
 - g. Insert the handle "F" into the bottom of the receiver housing "E".
 - h. Install 9 volt battery into the rear of the receiver housing "E".
 - i. Plug ear phones "G" into the jack on the receiver housing "E".

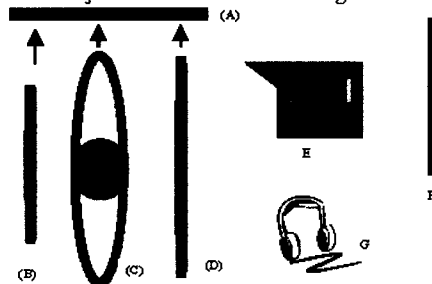


Fig. B

3. Turn the receiver on and put on the ear phones.
4. *Hold the receiver antenna in a vertical position and begin sweeping slowly left to right to obtain a signal. The signal is very distinctive and sounds like a heartbeat. Turning the antenna on it's side (horizontally) will sometimes help the signal depending on the position of the transmitter antenna (vertical or horizontal).*
5. *Once a signal is acquired, sweep the antenna left until you lose the signal then sweep right until the signal is lost. Pay attention to where the signals ended on your left and right, sweep back to the middle of the arc you created. This should provide you with the strongest signal, this is the direction of the transmitter. If you can not pinpoint the direction due to the signal being too strong, simply sweep right listening closely until signal fades mark the spot then sweep left listening closely until signal fades, mark the spot then split the difference as per diagram C. (within 10 to 20 feet the signal may be indefinable).*

6. Walk toward the signal while continuing to sweep with the antenna ensuring that you are following the strongest signal. Refer to Fig. C

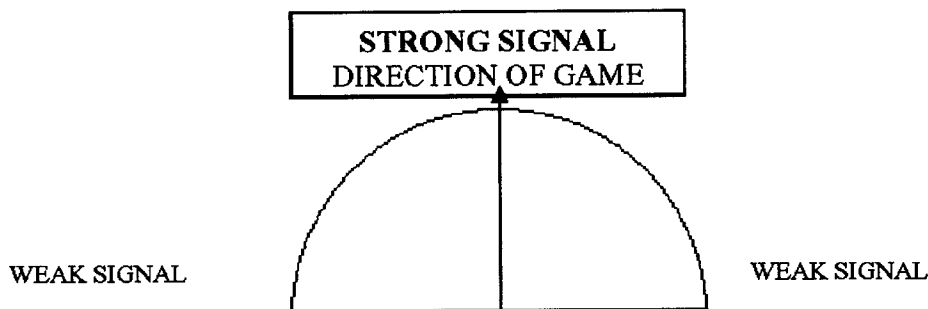


Fig. C

Testing Your Unit

1. Remove the transmitter from the package, insert a battery into the end of the transmitter with the positive (+) side up and the negative (-) side facing the transmitter board. Attach a magnet directly between the battery and the front of the transmitter.
2. Before shooting the BOWBUG transmitter, remove the small magnet. This magnet activates or deactivates the transmitter. Removing the magnet activates the transmitter and starts transmitting a signal. Replacing the magnet directly behind the battery turns the transmitter off. Ensure the transmitter is off by using the receiver to verify the transmitter is not transmitting.
3. Assemble receiver as per receive instructions mentioned previously.
4. Turn the receiver on and put on the ear phones.
5. *Hold the receiver antenna in a vertical position and begin sweeping slowly left to right to obtain a signal. The signal is very distinctive and sounds like a heartbeat. Turning the antenna on it's side (horizontally) will sometimes help the signal depending on the position of the transmitter antenna (vertical or horizontal).*
6. Once a signal is acquired, sweep the antenna left until you lose the signal then sweep right until the signal is lost. Pay attention to where the signals ended on your left and right, sweep back to the middle of the arc you created. This should provide you with the strongest signal, this is the direction of the transmitter. *If you can not pinpoint the direction due to the signal being too strong, simply sweep right listening closely until signal fades mark the spot then sweep left listening closely until signal fades, mark the spot then split the difference as per diagram C. (within 10 to 20 feet the signal may be indefinable).*
7. Walk toward the signal while continuing to sweep with the antenna ensuring that you are following the strongest signal. Refer to Fig. C

***Using the unit inside vehicles may result in electrical interference of the signal.**

WARRANTY: One (1) year limited warranty on material defects and faulty workmanship. Damage caused by improper installation or improper use is not covered by this warranty. Damage from use, such as broken barbs caused by animals falling on the transmitter or a missed shot striking a tree, rock, etc are not covered. Do not return this product to the place of purchase, contact North American Surveillance & Technologies for return or repair.

***Any modifications not expressly permitted by North American Surveillance & Technology may void the user's authority to operate the equipment.**

The BOWBUG is designed to aid in the recovery of mortally wounded game and does not guarantee the retrieval of all game as it is only meant to assist in the recovery process. It should not be relied on as the only means of recovery. As a responsible hunter all means necessary should be taken in the recovery process and should never be abandoned due to lack of a BowBug signal.

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.

FCC ID: TDPNASTBB1 IC: 5290A-NASTBB1

**North American**
Surveillance & Technologies
Springtown, TX 76082
1-877-237-2200
www.bowbug.com
All rights reserved
Copyright 2004
Patent pending