

# **INNOVATIVE TECHNOLOGY LLC**

Creators of the AIR BOSS launcher

## ***AIR BOSS OWNER'S MANUAL SAFETY WARNINGS***

**READ CAREFULLY BEFORE OPERATING THIS DEVICE**

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## **LEGAL DISCLAIMER**

The Pamlico County Sheriff has determined that the Air Boss is legal in his jurisdiction and has contacted the Bureau of Alcohol, Tobacco and Firearms (BATF). BATF advised that it is not considered a firearm since it does not use an explosive propellant and the muzzle velocity is well below 400ft/sec.

Other jurisdictions may have laws or local ordinances prohibiting the use of this device. It is your responsibility to ensure that its use complies with local requirements.

## SOME BASIC SAFETY RULES

1. This device uses a tethered 2oz lead fishing sinker propelled at high speeds.
2. Always be sure the barrel is clear of any obstruction.
3. Always use eye protection.
4. Never aim or discharge this device in the direction of anyone.
5. Be sure that the landing area is clear of people or animals.
6. Never use this device near any power lines.
7. Never leave or store the device while pressurized.
8. Always attach the reel of choice **BELOW** the barrel of the launcher. This will ensure that if the sinker rebounds because of a snag or failure to open the bail, it will return the sinker below your face.

## USING THE AIR BOSS

Start with the valve closed.

For most applications, to clear an 80ft tree it will require 45 to 50psi. Using a suitable hand or powered pump, put air in the chamber until the pressure gauge reads 50psi.

### **DO NOT EXCEED 75psi**

Be sure the sinker is firmly tied to the nylon line. Place the sinker in the barrel of the Air Boss and open the bail on the reel. Raise the barrel of the Air Boss to allow the sinker to fall to the valve.

### **BE SURE TO OPEN THE BAIL BEFORE FIRING THE DEVICE AND WEAR YOUR EYE PROTECTION.**

Aim the launcher over the tree you wish to put the antenna in and open the valve quickly.

After the shot, keep the launcher pointed up until the sinker falls to the ground. Once the sinker has landed, give the reel a few turns to close the bail and take up slack. Place the launcher on the ground.

Locate the sinker and remove it from the nylon line. Attach the rope you wish to use to pull up the antenna with. Return to the launcher and reel the new rope over the tree. **Do not attempt to pull the sinker back over the tree. It will most certainly wrap around a branch and be there for years.**

Once the rope is in place, use it to raise the antenna.

## **REEL SELECTION**

Use a spinning reel with a large diameter spool. With a large diameter spool there is less drag and the sinker will travel further.

Line selection can be a personal preference. I have used 20 lb. test monofilament nylon line with good success. It is quite inexpensive and works. After time it can harden and tend to spring off the reel when the bale is opened and will at times tangle. Lately I have been using 30 lb. test Spider Wire braid. It is quite expensive but for the pound test, 30 lb. test Spider Wire is lighter than 20 lb. test monofilament and therefore goes further. Every situation is different and you will find out what is best for you. Spider Wire comes on 100 meter spools. It could take two spools because at maximum pressure it could empty the reel.

Many users use an old spinning reel. If you do need to purchase one, the Shakespeare Alpha reel, purchased from Wal-Mart was used in developing this device.

Fasten the reel near the base of the barrel using two hose clamps.

## **SINKERS**

A 2oz egg sinker available from any good fishing tackle outlet goes down the barrel with a tight fit.