



**Congratulations!** You have just purchased the most advanced Remote Bumper Launcher available. The Max 5000 Remote Bumper Launcher had been seven years in development. [REDACTED] takes great pride in the design, manufacture, service and safety in the Max 5000.

This Owner's Manual explains how to operate, transport and maintain your Max 5000. A thorough understanding of the contents of this manual will help you use your Max 5000 Remote Bumper Launcher safely and effectively. **Please read and understand this manual completely before attempting to operate the Max 5000 Remote Bumper Launcher.**

If you have any questions after reading this manual, please contact us at [REDACTED].

### **Overview of the Max 5000 Remote Bumper Launcher**

The Max 5000 has been designed to provide years of trouble free operation. Max is powered by a regulated, metered mixture of LP gas {Propane, Mapp Gas, Propelevyne (Brazing Fuel)} and Oxygen. It is mechanically timed and stops the rotating barrel disc over the hole in the front of the combustion chamber, ignites the mixed fuel and launches the bumper, all in one movement. Each Max 5000 Remote Bumper Launcher is thoroughly tested prior to shipping.

### **LP Gases and Oxygen**

The Max 5000 is designed to use disposable LP gas and Oxygen cylinders. Bernzomatic and Weller are common brand names which are compatible with the Max 5000. These disposable cylinders can be purchased at most hardware stores.

### **LP Gas**

A cylinder of any LP gas will deliver approximately 1000 launches. The number of launches may vary from cylinder to cylinder. There is no gauge to tell you how much gas is in the cylinder. Always shake the cylinder prior to use. If you cannot feel the liquid moving, install a new cylinder. **Do not completely empty the cylinder.** It will cause unnecessary delays during training. Dispose of empty cylinders appropriately.

### **Oxygen**

An Oxygen cylinder will deliver approximately 150 launches. The number of launches may vary from cylinder to cylinder. Always have two cylinders of Oxygen on hand.

As the Oxygen cylinder approaches empty the Max 5000 will become erratic or cease to operate. As soon as you notice this, replace the Oxygen cylinder. Dispose of empty cylinders appropriately. You will use approximately seven Oxygen cylinders to every LP gas cylinder.

**Important Note:** Oxygen cylinders vary in the amount of Oxygen they contain. It is possible that they may be empty at the time of purchase. If this happens, return it to your retailer for a refund. **Tip:** Use your Oxygen tester to determine if the Oxygen cylinder you are about to purchase is full. It should read 500 PSI on the gauge.

### Transmitter / Receiver Range and Performance

Range is determined by several factors. The make and model of the Remote System you have chosen, radio interference, and obstacles located between the Receiver and the Transmitter. If the range you are obtaining does not meet the specific manufacturer's claim, refer to that manufacturer's operating manual.

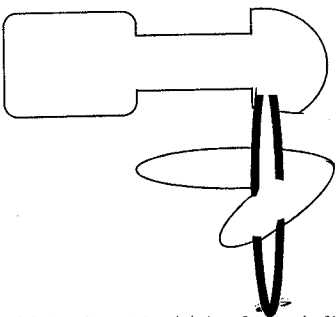
### Bumpers

Max 5000 bumpers are manufactured with a of high density polyethylene. The bumpers have been designed exclusively for use on the MAX 5000. The bumpers included are black and white which provide excellent contrast against most backgrounds. All white and all black bumpers are also available.

The Max 5000 bumpers are designed to slip easily onto the revolving disc barrels. Always check the inside of each bumper prior to installing them on the Max 5000 and remove any foreign obstacles (mud, grass, etc.). **Never force the bumpers on to the barrels.** Shake out excess water before installing the bumpers. **Tip:** If bumpers are too loose and

vibrate off you can heat the open end (i.e. stove top) and reshape it (oval like) so it fits snugly on the barrel.

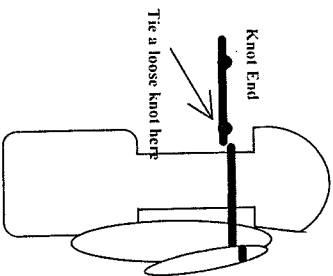
### Wing and/or Streamer Attachment



Pull the <sup>two</sup>topped end of the cord outwards and place it between the primary and secondary feathers of the bird wing.

The looped end of the cord is then pulled over the back lip of the bumper thus placing the bird wing in the indent of the bumper. *7/4/07*

The knot end of the cord should be pulled as tight as possible to snug the bird wing into the indent. A loose knot tied directly behind the bumper will allow the bird wing or streamer to be changed easily.



To install a streamer simply pull the looped end of the cord through the streamer and hook it behind the lip similar to the bird wing attachment.

You can have both a streamer and a bird wing installed on a bumper at the same time. To do this pull the looped end of the rope through streamer and then install the bird wing as per above instructions.

## Safety

Safety is of utmost importance when operating and transporting the Max 5000 Remote Bumper Launcher. Handle the Max 5000 with care. Never attempt to adjust or tamper with the Max 5000. All settings are preset at the Factory. Failing to fully comply with these specific instructions may cause personal injury and or damage to the Max 5000 Remote Bumper Launcher. Any attempt to adjust the factory settings or failure to comply with these specific instructions will void all warranty claims.

The Max 5000 emits a small short flame. The flame is generally not visible in daylight. DO NOT place the Max 5000 in tall dry grass or any area which may be a potential fire hazard.

\_\_\_\_\_ accepts no liability for any personal injury or property damage sustained while handling same or damage caused during the operation or transportation of this machine.

1. Read and understand this manual completely before attempting to operate the Max 5000.
2. Never stand in front of the Max 5000.
3. Never allow any person / dog to be in front of the Max 5000.
4. Always load the bumpers, Oxygen and LP gas cylinders from behind the Max 5000. (see Operating Instructions)
5. Never smoke within twenty feet of the Max 5000. Keep it away from any spark or flame.

6. Disconnect the LP gas and Oxygen regulators from the LP gas and Oxygen cylinders when transporting the Max 5000. Never transport, carry or move the Max 5000 with the LP gas and or Oxygen regulators attached to the LP gas and/or Oxygen cylinders.
7. Insure your Max 5000's battery is fully charged prior to use. (See charging the Max 5000)
8. Insure that there are no obstacles lodged between the rotating disc and the front of the Max 5000 prior to use.
9. If the rotating disc should stall during operation, do the following. Turn off the Master Switch first. Turn off the Remote and then turn off the LP gas valve. Disconnect the LP gas and Oxygen cylinders from the regulators. Charge the main battery.
10. NEVER LOOK INTO THE COMBUSTION CHAMBER.
11. Handle the Max 5000 with care. Treat it in the same manner as a firearm.
12. Keep out of the reach of Children.
13. NEVER spray or use any type of petroleum based products to clean or lubricate the Max 5000. (WD 40, turpentine, solvents, oils, etc.)
14. NEVER spray anything into the combustion chamber.
15. Store the Max 5000 in a safe dry place.

16. Even after the Oxygen and LP gas cylinders are removed from the Max 5000 it is capable of firing. The fuel lines are full and a small explosion may occur if Max 5000 is activated. **NEVER ASSUME IT IS EMPTY. Never look or stand in front of the Max 5000.**

## **OPERATING INSTRUCTIONS**

**These instructions must be executed exactly as follows to insure safety and reliability when operating the Max 5000.**

### **START UP**

1. Carefully remove the Max 5000 from the shipping container.
2. Insert the charging jack into your Max 5000 located on the left side (below the LP gas regulator) of the Max 5000 and plug it into a 110-120 AC electrical outlet. **Charge for a minimum of six (6) hours prior to first use.**
3. Read the instructions of the Manufacturer's Remote system manual you have chosen. **Follow their instructions carefully.** Charge or insert batteries on the Remote system according to the manufacturer's instructions.
4. After charging is complete, remove the charging jack from the Max 5000 and remove the charger from the electrical outlet.
5. Remove the Remote charger (if equipped) from the Transmitter and Receiver (as per Manufacturer's instructions).

6. **For Dogtra only.** Place the Receiver on the Max 5000 using the Velcro adhesive strips located on the top portion of Cowling. Plug the Max 5000 into the receiver.

**For Tri-tronics only.** Install the two snap plugs in the two large holes in the receiver. (see Tri-tronics instructions). Install the receiver on the Max 5000. Plug the Max 5000 into the receiver.

7. **Do not operate within City limits.** Go to an rural area where you can test the Max 5000. When the Max 5000 fires it makes a loud noise, simulating a shotgun blast. **Stand behind the Max 5000. Never stand in front of the Max 5000.**

**DO NOT** install the oxygen or LP gas cylinders. Turn on the Master Switch. Turn on the Remote Receiver. Press the Transmit button. The Rotating Disc will move slightly and then stop. If this does not occur see the Trouble Shooting Guide.



8. **Turn OFF the Master Switch and the Remote Receiver.** Standing behind the Max 5000, install the Oxygen cylinder on the right hand side, marked Oxygen. **Please note: the necks on the Oxygen cylinders are often crooked.** This can make it awkward when installing the Oxygen cylinder into the regulator fitting. **Be patient. Carefully turn the Oxygen cylinder to the LEFT (counterclockwise) insuring not to strip the threads on the regulator fitting.** See the arrows in front of the Oxygen regulator. Turn the cylinder until it is snug.



9. **Insure that the Master Switch and the Remote Receiver are turned off.** Standing behind the Max 5000, install the LP gas cylinder on the left hand side, marked LP Gas. **Please Note : the necks on the LP gas cylinders are often crooked.** This can make it awkward when installing the LP gas cylinder into the regulator fitting. **Be patient .**

Carefully turn the LP gas cylinder to the **RIGHT (clockwise)** insuring not to strip the threads on the regulator fitting. See arrows in front of the LP gas regulator. Turn the cylinder until it is snug.



10. **Insure that the Master Switch and the Remote Receiver are turned off.** Install the bumpers, starting on the bottom barrels. Be sure to install all the bumpers even if you do not plan on launching them all.

