



# The MARKSMAN REMOTE LAUNCHER

OPERATING INSTRUCTIONS

FULLY READ THE WARNINGS BEFORE OPERATING!

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## IMPORTANT! TAKE SPECIAL HANDLING CARE AND SAFETY PRECAUTIONS

Your Marksman Remote Launcher is not a firearm, but the same handling, care and safety precautions must be exercised. Your remote launcher is provided with certain built-in safety features, but are not substitutes for safe handling practices, which include the use of ear and eye protection.

### **DISCLAIMER**

ANY USE OR MODIFICATION OF THE MARKSMAN REMOTE LAUNCHER NOT IN THE CONFORMITY WITH THE MANUFACTURER'S INSTRUCTIONS AS DESCRIBED IN THE USER'S MANUAL IS AT THE SOLE RISK AND RESPONSIBILITY OF THE INDIVIDUAL PERFORMING SUCH UNAUTHORIZED USE AND/OR MODIFICATION. DIRECT ANY INQUIRES REGARDING USE TO SPECIALTY PRODUCTS COMPANY PRIOR TO USE OR CONTINUED USE OF THIS PRODUCT.

## **WARNINGS**

- This product can be hazardous!
- With the dummy, you are firing what is equivalent to a six to eight oz bullet. A heavy recoil and loud report should be expected.
- Expect a loud report when the launcher is fired. Prolonged exposure to loud report may effect hearing to dogs and surrounding persons.
- NEVER insert a live load into the chamber.
- NEVER use a load other than a green/low and yellow/medium 1776 Blank (those specifically designed and recommended for) in the RRT Launcher.
- NEVER aim or fire the Marksman Remote Launcher Unit at anyone or anything.

- NEVER use a dummy other than a RRT dummy for the Marksman Remote Launcher Unit.
- NEVER cock the launcher until you are ready to fire.
- NEVER use a dummy that has debris of any kind inside the tube, including but not limited to mud, grass, water or rust/corrosion.
- NEVER cock and fire the Marksman Remote Launcher Unit without a cartridge in the chamber.
- NEVER fire the RRT Hand Held Launchers if the exhaust hole in any of the shaft/barrels is/are obstructed in any way. Also ensure the barrel is free of debris before every launch.
- NEVER operate the Marksman Remote Launcher Unit without proper ear and eye protection.
- NEVER place a load in the chamber before placing a dummy on the shaft/barrel.
- NEVER store a dummy on the barrel of a launcher when not in use.
- NEVER allow the Marksman Remote Launcher to be accessible to children.
- NEVER LAUNCH THE MARKSMAN UNLESS COMPLETELY LEVEL.
- NEVER USE ON UNEVEN GROUND.
- DO NOT USE IN DRY CONDITIONS! Hot air or sparks could cause grass/tinder fire! Place launchers over a fire retardant mat (such as a rubber car mat) during every training session.
- NEVER DRY FIRE THE LAUNCHER(S). Doing so may damage the product and cause catastrophic failure when fired in the future.
- NEVER fire/launch without full clearance of you, the operator, surrounding persons and animals.
- NEVER point or fire the Marksman Remote Launcher at any person, animal or object!

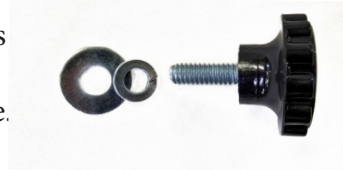
**FAILURE TO FOLLOW THESE WARNINGS  
MAY RESULT IN SERIOUS INJURY OR DEATH**

# TIME TO ASSEMBLE YOUR LAUNCHER

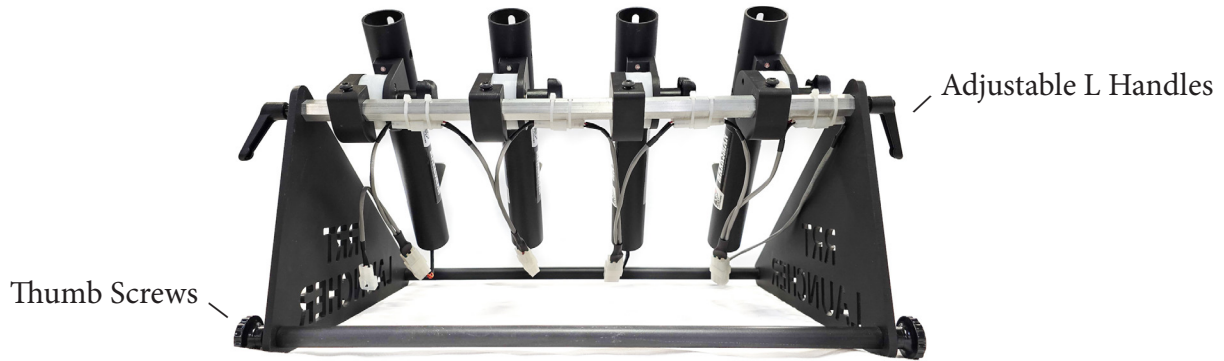
- 1) Remove the 2 end plates from the packaging and place them so the wording “RRT LAUNCHER” is readable left to right by assembler.



- 2) Install the round bottom bars using the 4 round thumb screws. The split lock washer is placed on the thumb screw first followed by the flat washer. Install the thumb screw loose. Do not tighten at this point.



- 3) Install the launcher tube rack into the end plates using the 2 adjustable “L” handles. Tighten the 2 “L” handles and make sure the aluminum hex bar is fully seated into the rectangle hole in the end plates.
- 4) Tighten the 4 round thumb screws on the bottom round bars and make sure the round bars are fully seated in the round holes of the plates.
- 5) Check the 4 thumb screws and 2 “L” handles and ensure they are fully tightened.



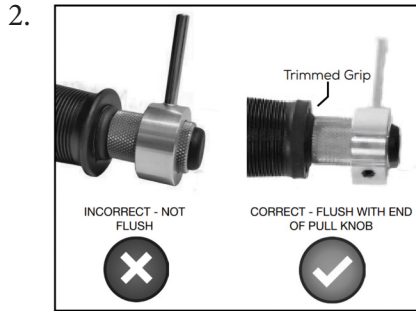
## ADAPTING AND INSTALLING RRT HAND HELDS FOR REMOTE LAUNCHER

The Marksman Remote Launcher System was designed to work with any RRT Hand Held Launcher built from 1990 to present. A compatible launcher may have a ribbed rubber hand grip and a plastic or aluminum pull knob. If you recently purchased a new RRT Launcher it will have RRT LAUNCHER on the grip and you can SKIP STEP ONE ON THE FOLLOWING PAGE.

If you are unsure if your RRT Launcher is compatible contact Specialty Products Company before attempting to assemble/use your Marksman. If your launchers are different than the ones pictured on the following pages please contact us for possible retrofit options.

- 1) The rubber grip on launchers prior to 2014 will require trimming in order to fit into the Marksman Launcher Tube. On the base of the grip (end closest to the pull knob) the lip of the grip must be trimmed. Please refer to photo 2 on the opposite page. This can be achieved by using a sharp utility knife and turning the grip or turning the grip on a sander.
- 2) Install the black cap plug into the bottom of the pull knob on the RRT Launcher. Lightly tapping with a hammer will help to set the cap plug. The black plug must be installed completely into the pull knob with no gap present.
- 3) Install the aluminum pull ring onto the pull knob. Position the pull ring so it is flush with the end of the pull knob and tighten the set screw securely with the allen wrench. Failure to properly tighten the set screw may allow it to loosen with use and cause the servo arm not to rotate.
- 4) Repeat steps 1-3 for all RRT Hand Held Launchers that you will use with your Marksman.
- 5) Slide your RRT Hand Held Launcher (with pull ring and cap plug properly installed) into the Marksman tube. Position the launcher so the pull ring shaft exits the long slot in the remote launcher tube. Turn the launcher until the thumb latch is at the top and lines up with the slot in the tube. Repeat this process until all launcher tubes have been properly adapted and are ready.

AFTER THE MANUFACTURING AND ASSEMBLY PROCESS OF THE SERVO THERE MAY BE A SLIGHT DIFFERENCE BETWEEN SERVOS IN THE SPEED OF THE ROTATION OF THE SERVO ARM. FOR THIS REASON, IT IS RECOMMENDED THAT EACH SERVO ARM BE MANUALLY ROTATED 3 FULL REVOLUTIONS IN EACH DIRECTION. THIS PROCESS WILL HELP TO MAKE SURE THE INTERNAL GEARS ARE ALIGNED AND MESHED PROPERLY.



DO NOT ATTEMPT  
TO USE OTHER  
MANUFACTURERS  
HAND HELD  
LAUNCHERS

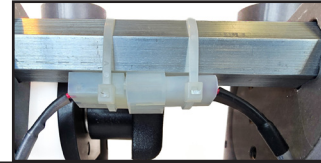
## CONNECTION OF THE WIRE HARNESSSES

- 1) Plug the 5 pin connector of the tube harness into the mating 5 pin connector on the back of the launcher tube.
- 2) Plug the 2 pin connector into the mating 2 pin plug of the next launcher.  
NOTE: The launchers will fire in the order that the wire harnesses are connected.
- 3) Repeat steps 1-2 until all of the launcher tubes are connected.
- 4) Connect the 2 pin receiver wire harness to the mating 2 pin connector of the first launcher. You will be requested to connect the other end of the receiver harness to the electronic release system you have chosen later in the instructions. If another receiver harness is desired for a left or right port you may contact RRT Launcher or go to our website [www.RRTLUNCHER.com](http://www.RRTLUNCHER.com) to purchase a 2nd harness for your receiver.

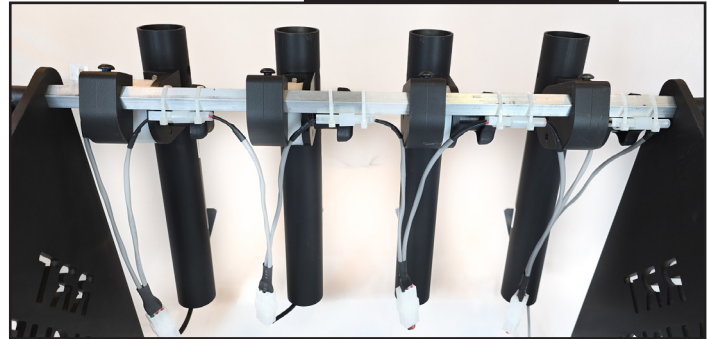
Tube Harness



Receiver Harness



Zip ties have been provided if you would like to secure your harnesses to your launcher tube bar to keep you Marksman secure and clean looking. Please refer to the photos to the right.



UNDER SIDE OF THE LAUNCHER TUBES.

## TIME TO MOVE TO YOUR OUTDOOR TRAINING GROUND

- 1) Place your Marksman where you will be using it for your training session.  
ENSURE THAT IT IS FULLY LEVEL AND NEVER USE ON UNEVEN GROUND!
- 2) Install any RRT Dummy onto each launcher.
- 3) Open the breech of the launchers by depressing the thumb latch. Install a green or yellow 1776 Blank Cartridge.

IMPORTANT: PRESS ON THE BLANK IN THE CHAMBER TO FULLY SEAT IT.

# !!! WARNING !!!

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BEFORE PERFORMING THE NEXT STEPS USE EXTREME CAUTION!!

BE SURE YOUR FULL BODY, SURROUNDING PERSONS AND ANIMALS ARE IN A POSITION THAT IS OPPOSITE FROM THE DIRECTION OF ANY OR ALL OF THE LAUNCHERS WHERE THE DUMMIES ARE POINTING AND THE REMOTE RECEIVER IS TURNED OFF AS WELL AS UNPLUGGED FROM THE TUBE CONNECTING HARNESS!

- 4) Close the breech of the RRT Hand Held Launcher. NOTE: The thumb latch must be held in the open position when the head is closed. Once the head is closed to the breech, release the thumb latch and push the latch to ensure it has fully seated thus locking the head closed. Failure to complete STEP 3 & 4 may cause the thumb latch to break rendering the launcher unusable until the thumb latch is replaced. You may contact RRT to purchase additional thumb latches if you fail to follow the instructions and damage/break your thumb latch.
- 5) Slide the pin/pull ring back and seat the pin into the notch ensuring that it is as far left as it can be positioned. ACCIDENTAL RELEASE OF THE PIN WILL CAUSE THE FIRING PIN TO MAKE CONTACT WITH THE POWER CHARGE AND THE LAUNCH OF THE DUMMY WILL OCCUR! ALWAYS KEEP YOURSELF, SURROUNDING PERSONS AND ANIMALS FULLY CLEAR OF THE UNIT, LAUNCHERS, LAUNCHER DIRECTION AND DUMMIES! Also check to ensure you do not have any launch interference, and that the launch path is clear of obstruction for the launchers and/or dummies.
- 6) Turn the servo fully counter clockwise so the servo arm is touching the cocking pin (pictured to the right). FAILURE TO SET THE ARM AGAINST THE COCKING PIN MAY CAUSE MORE THAN ONE LAUNCHER TO FIRE AT ONE TIME.



7) Locate the remote to the receiver that you are using and ensure that it is clear of any pressure on it. Do not keep it in your pocket or leave it placed on the ground where it could be walked on. ACCIDENTAL DEPRESSION OF THE BUTTON WILL CAUSE THE REMOTE UNIT TO FIRE AND COULD CAUSE INJURY OR DEATH.

## MAINTENANCE

Before each use examine your Marksman Remote Launcher Unit and RRT Launchers to ensure there is no debris and no damage to the equipment. **Improper maintenance and failure to properly maintain the RRT Launchers, bumpers and Marksman Remote Launcher Unit may result in serious injury or death.**

USER IS RESPONSIBLE TO EVALUATE THE ENTIRE UNIT BEFORE EVERY LAUNCH TO ENSURE ALL FITTINGS ARE SECURE AND FULL FUNCTIONING.

You may purchase the RRT Cleaning Kit at any of our retailers or at [www.RRTLAUNCHER.com](http://www.RRTLAUNCHER.com).

User must thoroughly clean the barrel, chamber and hinge areas with a good gun cleaning solvent after each use of each RRT Launcher used in the Marksman Remote Launcher Unit. A small amount of gun oil applied to the hinge area after cleaning will help to ensure smooth operation. Cleaning of the chamber can be enhanced by using a .22 caliber wire brush.

Also thoroughly clean and dry the inside of the aluminum dummy tube after each launch. Be certain that prior to each time you launch the dummy from your Marksman Remote Launcher System that it is free of debris both internally and externally. **Failure to properly maintain the aluminum insert tube in your dummy may result in serious injury or death.**

A rubber o-ring in a groove near the outer end of the barrel provides a seal for the release of gases from the power charge. This o-ring will wear, causing some of the gases to escape, which will reduce the flight distance of the dummy. Applying a thin coat of silicone, or any other lubricant safe for use on rubber components will prolong the life of the o-ring and aid in preventing premature drying and cracking. Replacement o-rings are available from our retailers or at [www.RRTLUNCHER.com](http://www.RRTLUNCHER.com).

### BLANK POWER CHARGES

Approximate distance

Medium - Yellow Load

100' - 150'

Light - Green Load

75' - 100'



Your Marksman is covered with a 1 year warranty from date of purchase that will cover any manufacturer defects. This guarantee is void if dummies or blanks are used that are not recommended or if the product is not used in conformance with these instructions and/or if it has been modified.

## HAVE QUESTIONS?

If you do not understand the instructions or have further questions regarding the use and operation the Marksman Remote Launcher System please discontinue use and contact

**Specialty Products Company USA. PHONE - (570)-729-7192 EMAIL - [info@rrtlauncher.com](mailto:info@rrtlauncher.com)**

## LIMITATION OF LIABILITY

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**Marksman Remote Launcher at**

**[www.RRTLlauncher.com](http://www.RRTLlauncher.com)**