

THE



zinger

winger



Remote Bird Launcher User Manual

Models: All Zinger Winger Series

Zinger Sport Dog Gear Inc.

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L9T 5A3, Canada

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CONGRATULATIONS

**You have just purchased one of the finest
Remote Bird Launchers available.**

The Zinger Winger™ Remote Launcher is a versatile training tool that will soon become an important part of your training program. Whether you are a pro, amateur, or simply a weekend duck hunter, the Zinger Winger™ will provide the means to effectively and successfully train your dog.

Before you get started there is the important issue of SAFETY we must address. It is imperative that you read and thoroughly understand this manual prior to using your Zinger Winger™ Remote Launcher. While the Zinger Winger Inc. has taken great care in the design and manufacturing of this product it must be realized that failure to heed the safety warnings and follow maintenance and operational procedures can result in serious injury to you or others. Always keep safety in mind.

Finally the Zinger Winger™ Launcher you have purchased is the result of the feedback we have received from dedicated trainers like yourself. If you have any suggestions on how it may be improved we would like to hear from you. Call our customer services department at 1-800-351-8411 or contact us via WWW.ZINGERWINGER.COM

Happy Training!

Robert Sampson
Zinger Winger Inc.

PS: If you like your Zinger Winger™ Remote Launcher please tell your friends, if you don't like it, tell me. I'll Make It Right!

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TO ORDER, PRODUCT INFORMATION, PRODUCT SUPPORT, CUSTOMER SERVICE
1-905-876-0603 or TOLL FREE 1-800-351-8411

GENERAL BUSINESS FAX
1-905-876-3360

WEBSITE
www.zingerwinger.com

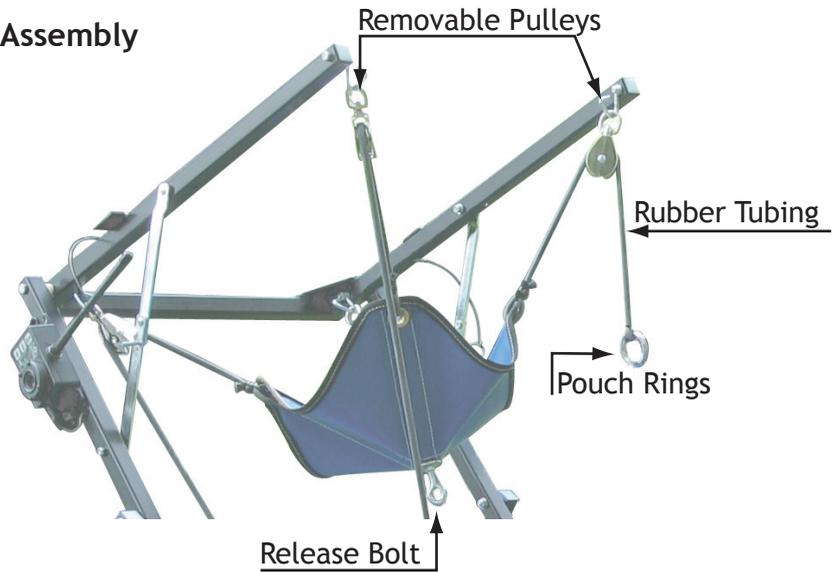
FEATURES



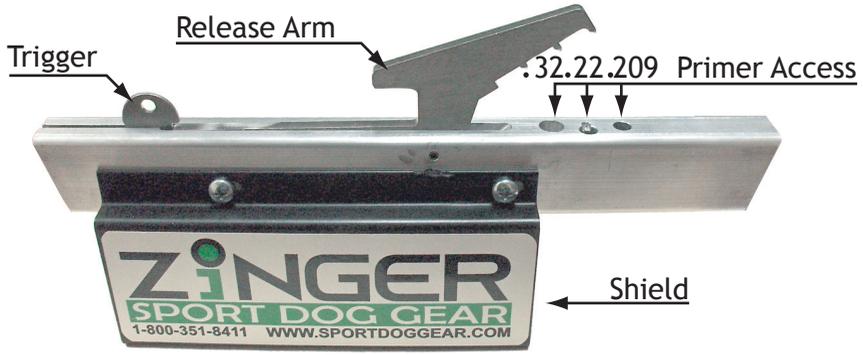
- 1. "U" frame
- 2. Pouch Assembly
- 3. Safety Pin
- 4. Short & Long Anchor Hooks
Long Anchor Hooks (model specific)
- 5. Multi-Shot™ Sound Release (for FT, Mini-Z & HT model)
Sure-Shot™ Sound Release (for ZW II model)
- 6. Gripper Clips
- 7. Leg Assembly
- 8. Locking Hinges
- 9. Electrical Plug
- 10. ReceiverLok™

FEATURES

Pouch Assembly



Multi-Shot™ Sound Release (For Field Trialer, Mini-Z & Hunt Tester)



Sure-Shot™ Sound Release (For ZW II model)



WIRING NOTICE

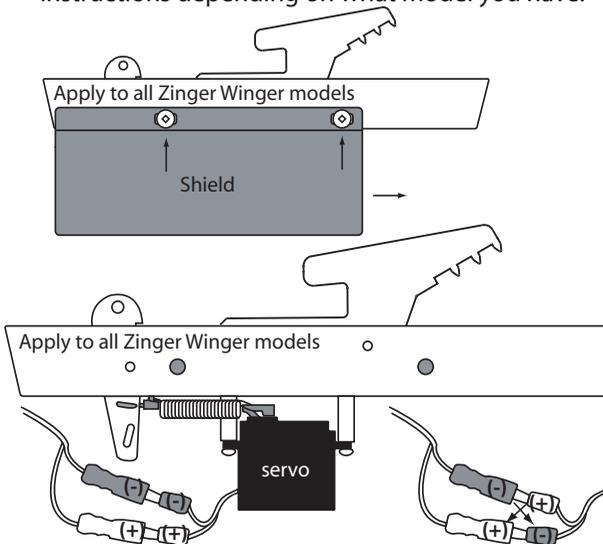
IMPORTANT - WIRING NOTICE

The wiring of this unit may need to be modified depending on the brand of remote controls you use. If your remote controls do not operate this winger please follow the simple instructions below. You may also call our service department at 1-800-351-8411 for assistance.

DOGTRA RR Deluxe OWNERS READ THIS - The Dogtra RR Deluxe receiver with duck call has two ports into which the Winger's electrical plug can be inserted. One port located on the right side of the receiver is for an accessory speaker labelled EX-SP. This port is designed to amplify the sound of the duck call and will not operate the winger. The correct port to use for activating wingers are located on both left and right sides and are labelled LEFT or RIGHT.

The wiring of this winger is factory set for use with the Dogtra Remote Release system. If you have already indicated to your sales representative what brand of remote you are using then this winger may have already been modified at the factory to work with your brand. Determine if your remotes will activate this unit by simply plugging the receiver to the winger and pressing the launch button (You do not have to set up or load the winger to test the release). The half round trigger should pull back counter clockwise. If the trigger attempts to move clockwise then the polarity is wrong and the wires must be reversed.

Changing the polarity of the wires is as simple as reversing the alignment of the bullet connectors. The quick connectors are located just off the servo which is attached to the release mechanism and protected beneath a shield. Follow these instructions depending on what model you have:



Remove the two bolts that secure the release to the protective housing. Remove the shield to expose the servo and wiring.

You will notice the two bullet connectors. This wiring pattern must be reversed. Grip the opposite ends of the connectors and pull them apart. **DO NOT PULL ON THE WIRES.**

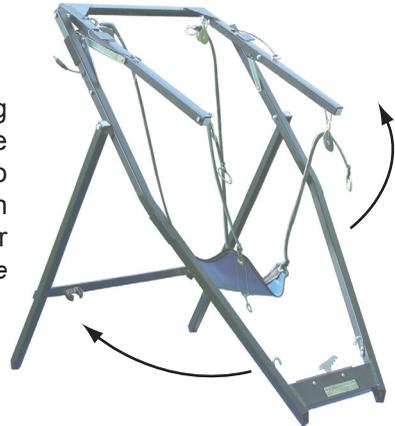
Flip the pattern of the connectors and test your remotes. Verify that the remotes work properly before reinstalling the shield and bolts.

SET UP



1. Begin by standing the Zinger Winger Remote Launcher upright with the leg assembly facing towards you and the intended landing zone.

2. Disengage the gripper clips and swing the legs out from the main body of the Winger. Allow the pouch assembly to hang loose by unhooking the pouch rings from their respective anchor hooks. *NOTE: The rubber bands are always crisscrossed when not in use.*



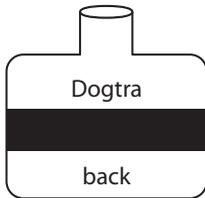
3. Lift the "U" frame of the Winger into a full upright position and snap the locking hinges into place.

4. IMPORTANT: Insert the safety pins into each hinge. Each pin is secured to the Winger by a lanyard and stores on the "U" frame when not in use. If the Winger is missing its safety pins contact the manufacturer for replacement parts. **WARNING:** *Failure to use safety pins can result in the collapse of the "U" frame and cause serious injury to the user.*



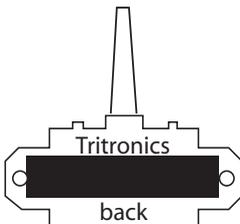
5. (Remote Version Only)

Attach the remote receiver to the Winger, insert the electrical plug and turn on the power. Before proceeding test the release. **ATTENTION:** *Refer to the user manual of your remote control electronics for operating procedures.*



Attaching ReceiverLok to the Receiver

Clean the back plate of your receiver using alcohol and a clean cloth. Check the fit of the ReceiverLok. Cut to length if necessary. Remove the protective film from the strip of ReceiverLok. Align the ReceiverLok as shown in the diagram and firmly press in place. Allow to cure overnight before use.



Attaching ReceiverLok to the Launcher

Determine the location where you want to mount your receiver. Clean this area using alcohol and a clean cloth. Remove the protective film from the strip of ReceiverLok. Align the ReceiverLok and firmly press in place. Allow to cure overnight before use.

Securing your Receiver to the Launcher

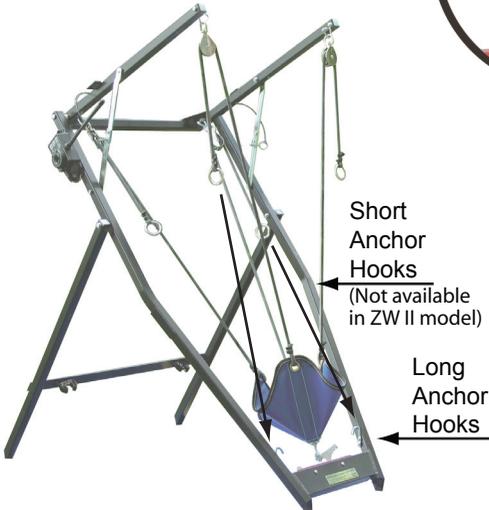
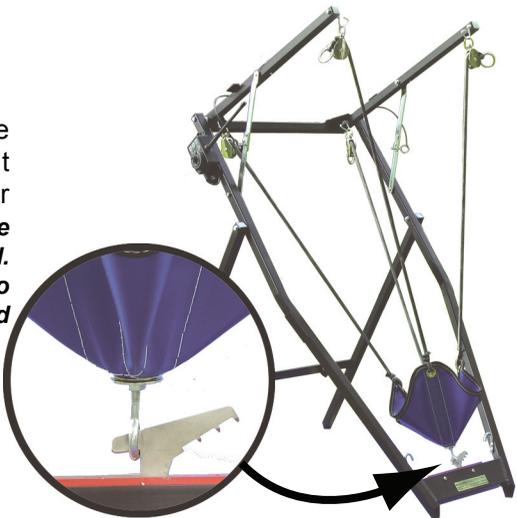
Align both the receiver and launcher ReceiverLok and press firmly. You should hear a "SNAP" sound. Rock the receiver back and forth to ensure lock. To remove receiver simply snap downwards (do not pull).

LOADING

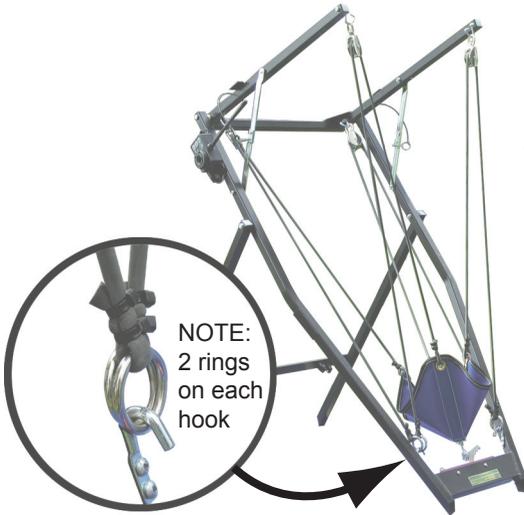


1. Before proceeding aim the Winger to where you want the bird thrown. On uneven surfaces stabilize by pushing down on the Winger to embed the pointed ends into the ground. Place your hand inside the pouch and push down towards the release mechanism.

2. Hook the release bolt to the release arm. The release bolt should be positioned as far over as it can go. **WARNING: The Winger is now considered armed. Extreme care must be taken to prevent accidentally misfiring and injury.**

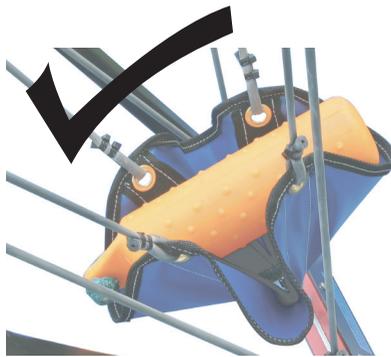


3. Grasp each rubber above the ring and pull straight down to the anchor hook. For a lesser throw pull to the short anchor hooks; For a greater throw pull to the long anchor hooks. After the lower rubber is hooked up repeat with the top rubber. Place both rings on the same hook. **WARNING: Stretch cord carefully. Uncontrolled release can cause severe injury to unprotected bodily parts, particularly eyes.**



4. Walk around the back of the Winger and repeat Step 3. **WARNING: Do not walk in front of the Winger. Serious injury can result if misfire occurs.** All four rubbers are now hooked up and the pouch is ready for a bird or bumper.

5. Standing behind the Winger center the bird or bumper vertically and flat into the pouch. If using a large duck position any overhang on the top end of the pouch so no interference with the frame occurs.

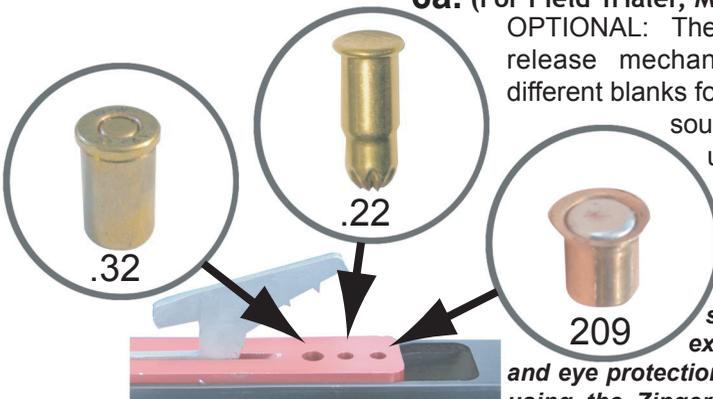


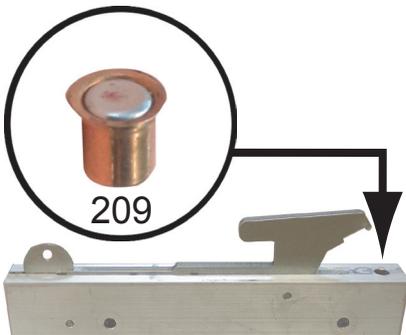
6a. (For Field Trialer, Mini-Z & Hunt Tester)

OPTIONAL: The Multi-Shot™ Sound release mechanism accepts three different blanks for simulating a shot sound. Only one can be used at a time.

Choose between a 209 primer, .32 or .22 blank.

WARNING: The shot sound is extremely loud. Hearing and eye protection must be worn when using the Zinger Winger to prevent injury.





6b. (For ZW II model)

OPTIONAL: The Sure-Shot™ Sound release mechanism accepts a 209 primer for simulating a shot sound.

WARNING: *The shot sound is extremely loud. Hearing and eye protection must be worn when using the Zinger Winger to prevent injury to the user.* The winger is now ready to throw a mark. Refer to the electronics user guide of this point.

OPERATE WINGER MANUALLY

If you have purchased a Manual version of the Zinger Winger or you simply wish to use your remote version manually follow these instructions:

To use your winger manually tie a short length of cord to the release trigger (see picture). After the winger is loaded, slowly and steadily pull the cord to the left. The trigger will release the release arm that holds the pouch and the winger will launch. **WARNING: Do not leave the cord lying on the ground while loading the winger. While in the process of loading the winger you can accidentally step on the cord and activate the winger prematurely. This is very dangerous and users must be made aware of the danger.**





- 1. IMPORTANT:** Remove the rubbers from the anchor hooks to release tension. Remove the remote receiver from the Winger. **WARNING:** *Failure to release rubber tension can result in the "U" frame collapsing in on the user and pinching hands and fingers. Always release rubber tension before taking down the Winger.*



- 2.** Allow the pouch assembly to hang free. Remove safety pins from hinges and replace on "U" frame.



- 3.** Unlock both hinges. **WARNING:** *Care must be taken not to pinch hands or fingers when breaking down the hinges.*



4. Fold "U" frame onto Winger.

5. Crisscross rubber over to each hook. This will prevent the pulleys from falling off.



6. Fold the leg assembly inward and attach to frame using gripper clips.

SAFETY GUIDELINES

WARNING:

Anyone intending to use the Zinger Winger Remote Launcher should read the User Manual. You must fully understand the safety, set-up, loading and maintenance procedures before attempting to operate this device. Failure to do so could result in severe bodily injury to the user and/or spectators.

1. Children should never be allowed to operate the launcher.
2. Always wear eye protection. Flying debris coming from the launcher may cause permanent eye damage.
3. Proper and regular maintenance of the launcher is critical to ensure reliable and safe operation. Failure to maintain the launcher can result in accidental misfiring and severe bodily injury to the user and/or spectators.
4. Always use hearing protection. The shot sound generated when using the Sure-Shot™ Sound Release can damage your hearing.
5. When loading the launcher keep the remote transmitter away from others to prevent accidental firing. Always move the toggle switch to an unused channel while reloading to prevent accidental misfires.
6. Keep your arms and hands free and clear of the launcher when loading. Never reach across or through the frame of the launcher during or after loading.
7. Never "Cheat" by forcing the pouch down to load without first unhooking the rubbers from their anchors. This can cause damage to the release components as well as possible injury.
8. Treat the launcher like you would treat a loaded gun.
9. Do not walk in front of the launcher once it is loaded.
10. Never aim the launcher towards people.
11. Throw only dog training products out of the launcher.
12. If using the launcher manually do not leave the pull cord lying on the ground. The launcher will go off if someone accidentally steps on the cord activating the release.
13. Load your bird/bumper and primer after the launcher has been loaded.
14. Heed all safety warnings located on the launcher.
15. Never use the launcher under the influence of alcohol and/or drugs.

WARNING: Failure to properly maintain the Zinger Winger Remote Bird Launcher in good working order could result in bodily injury to the user and/or spectators.

The most important component of the launcher is the Shot Sound Release Mechanism. Its maintenance is critical for the launchers safe operation. Regularly clean and lubricate the release arm, trigger and spring (a silicone spray is recommended as it does not attract dirt/dust). All moving parts of the release should move back and forth freely without any stickiness or resistance. If you suspect a faulty release mechanism contact the manufacturer immediately for service.

All bolts and lock nuts must be checked regularly for tightness. All moving parts should be regularly sprayed with a high quality lubricant (silicone, graphite, etc.) to reduce rust, friction and noise. These include but are not limited to springs, release, bolt and joint connections, and safety pins.

If using the launcher in wet conditions it should be taken indoors and dried and lubricated after each use. Rain will not effect the operation of the release but good maintenance will prevent future servicing. Use a mild soap and water solution to wipe down the launcher.

Regular exposure to UV rays will shorten the life of the rubber bands. While regular use and exposure to the sun will eventually break down the rubber tubing there are a number of things you can do to stretch (no pun intended) the life out of the rubber bands. It is recommended to carry an extra set of replacement rubbers just in case.

1. Limit the launcher's exposure to the sun where ever possible. If stored in a vehicle direct exposure to the sun coming through the windows will affect the rubber. You can purchase a carrying case from Zinger Winger to store your launcher.
2. If the launcher is to be left in the field for an extended period (more than a day) the rubber and pouch assembly should be removed and stored out of the sun.
3. While the Zinger Winger Inc. does not have evidence that rubber treatments prolong the life of the rubber tubing it may prove useful to contact these manufacturers directly and research the usefulness of these compounds.

The remote release electronics have a set of care and maintenance procedures. Consult the manufacturers manuals for specific instructions.

TROUBLESHOOTING

If your specific problem is not covered here go to our website at WWW.ZINGERWINGER.COM for more FAQ and troubleshooting ideas or call our service desk at 1-800-351-8411.

PROBLEM: THE LAUNCHER DOES NOT LAUNCH. I HEAR NO SOUND OR SEE NO MOVEMENT COMING FROM THE RELEASE MECHANISM. IT IS COMPLETELY DEAD.

Are the remote electronics working properly? The best way to test whether the electronics are functioning properly is to test them on another launcher. If they activate another launcher it tells you that they are working. Having the receiver tested at a local Radio Shack will tell you if they are working as well.

Have you charged the remote electronics? You may have accidentally left the power on and drained the battery until it was dead. Recharge the batteries.

Do the batteries in your remote electronics need replacement? The batteries in your electronics may be nearing the end of their lifecycle and require replacement. The older the batteries the less dependable the power source needed to activate the release. Replace your batteries if needed.

Are both the transmitter and receiver turned on? Sounds obvious but it happens. Check to make sure that the electronics are turned on.

Is the receiver programmed to the proper channel on the transmitter? Consult the electronics owner's manual to troubleshoot the electronics.

If you eliminate your remote electronics as the cause of the problem look at the plug and wiring harness: ***Is the wire securely connected to the release mechanism? Are there any cuts or breaks in the wire? Is the plug faulty?*** The most common explanation for a dead winger is a faulty plug. Its always a good idea to have a replacement in your toolbox just so you don't lose out on any training days. The type you require is a Mono (2 pole) stereo plug (not a 3 pole). Zinger Winger sells Plug Retrofit Kits where you simply have to crimp on bullet connectors with no soldering required.

If you still have no response the servo/solenoid actuator is faulty and service or replacement is required. Call our customer service department at 1-800-351-8411 for assistance.

PROBLEM: I CAN HEAR A SOUND (WHIRLING, CLICKING, ETC.) COMING FROM THE RELEASE MECHANISM BUT THE LAUNCHER DOESN'T LAUNCH.

This would be a case where a faulty servo or solenoid is evident. Try lubricating and cleaning the release mechanism to clear any debris and dirt that may be affecting the release.

PROBLEM: THE WINGER TIPS OVER WHEN THE POUCH IS RELEASED.

The winger is set up on unlevelled ground. Reposition to level ground.

The winger may be set up at too steep an angle. Because of the force generated at launch the base of the winger may “walk” forward. Reposition the winger after a number of launches.

The bird may be contacting the “U” frame at release and forcing the winger over. Make sure the birds are being positioned properly (see loading instructions).

PROBLEM: THE TRIGGER AND RELEASE ARM WORK BUT THE BIRD POUCH HANGS UP ON THE RELEASE ARM. IT DOESN'T SLIDE OFF TO THROW THE BIRD.

There may be metal burrs on the pouch eyebolt and release arm preventing a smooth release. Use a fine flat file to take down any roughness along the contact points of the release arm. All current models have Rolling Release pouch bolts to prevent hangups. Olders models may not have the newer Rolling Release and may need replacing to fix this problem.

PROBLEM: THE BIRD DOES NOT GO VERY FAR.

The rubbers are not hooked up properly. You may have forgotten to hook one or more rubbers. Pull the rubbers/rings down to their proper anchors.

The bird is contacting the frame and flopping out. Make sure the bird is loaded properly (see loading). Vertically place the bird (with head & wings tucked under the body) into the pouch. The tail & legs should extend out the top edge of the pouch so no contact with frame is made.

The rubbers need replacing? The rubber tubing may be worn and stretched to the point where they need replacement. Contact customer service to order new rubbers.

You are training in extremely cold conditions. Freezing temperatures and wind chills will affect the stretch of the rubber tubing. Once the rubber freezes, you will need to move the Winger inside for the rubber tubing to return to its normal structure.

1. ***Do I need to anchor a Zinger Winger™ down using ground stakes?*** No. Zinger Wingers are stable free-standing units. No ground stakes are needed to keep them in place. Although every winger comes with anchor holes to allow for stakes.
2. ***Does Zinger Winger Inc. manufacture a "box style" bird launcher for releasing live birds?*** Yes. We make the "Uplander" which releases all sizes of live birds including chucker, pigeon, quail, pheasant and duck. The Uplander can also be used to launch small and large bumpers, Dokkens and dead birds to teaching marking.
3. ***How safe are Zinger Wingers to use? Can my kid load and operate your wingers?*** While Zinger Winger products are among the safest and best built on the market it cannot be stressed enough that they can be dangerous tools if not handled properly. The forces generated by Zinger Winger launchers and any other launching device can cause severe bodily injury if proper operating procedures are not followed. For that matter it is the policy of the Zinger Winger Inc. to discourage young and inexperienced individuals from operating our products.
4. ***How long will the rubbers on the winger last?*** While some people have reported their rubbers lasting 2 - 3 years you can expect them to last from 6 months to a year under normal use. It will all depend on how well you look after your equipment and how often you use the winger.
5. ***Will a Zinger Winger™ launch "live" birds?*** Yes. Our optional "Live Bird Restraint Pouch" will keep live birds in place until you are ready to launch them. They can be ordered from our online store.
6. ***I already own remote release electronics. Will they work on Wingers?*** Dogtra and Tritronics both operate on all Zinger Wingers out of the box. Innotek, Bumper Boy and other electronics will work with some modifications. You will need to let us know if you intend on using a system other than Dogtra. All Zinger Winger models are default set to operate with Dogtra electronics.
7. ***Can my Zinger Winger™ be used in the rain?*** Yes. The release components of the winger are made from aluminum and stainless steel and normal exposure to rain will not affect its performance. Regular care and maintenance after such usage should be performed.
8. ***What happens if I don't like my purchase?*** The Zinger Winger Inc. has a 30 day return policy. If you are not satisfied with your purchase within that 30 day period, please contact us to start the process for a return.
9. ***Can a Remote Zinger Winger™ be used manually?*** Yes. Please follow instructions on page 11 about manually operating your Zinger Winger.

AVAILABLE ACCESSORIES

Rubber Kits



Release Mechanisms



Carrying Bags



Replacement Wire Kit



Pouch Kits



Bird Restraint Pouch



Receiverlok



Servo Replacement



Rolling Release



Winger Pouches



Bulk Rubber



Replacement Hinges



PRODUCT WARRANTY



LIMITED LIFETIME WORKMANSHIP AND PARTS WARRANTY ON HARDWARE

Zinger Sport Dog Gear Inc. warrants that all hardware components shall remain in good operational and structural condition for the life of the product.

Vinyl pouch, electrical plugs, wires and servo/solenoid motors are warranted for a period of one (1) year from the time of purchase.

Springs and latex rubbers are warranted for a period of 90 days. By their very nature you can expect to get 6 - 12 months of life from the latex rubbers. Care and attention will extend the life span of the rubbers considerably.

GENERAL CONDITIONS

Any defect, malfunction, or failure to perform that has occurred because of unreasonable handling, improper application or failure to perform reasonable or necessary maintenance will result in voiding this warranty.

Any Winger that has been repaired or modified by any person other than a suitably authorized representative of the Zinger Sport Dog Gear Inc. will also result in voiding this warranty.

Zinger Sport Dog Gear Inc. liability is limited to the repair or replacement of any affected parts FOB factory. Zinger Sport Dog Gear Inc. will not be responsible for any charges related to shipping, duties, or brokerage fees.

Zinger Sport Dog Gear Inc. reserves the right to discontinue or change parts and products of current manufactured models.



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