



*Practicing Where It Counts –
In Your Own Home...
With Your Own Gun...
Using Your Own Tactical Scenarios*

Operating Instructions
ReadyShot Gun Insert Kit

Questions? Contact us: 1-877-973-2399 or
info@ReadyShot.com

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Thank you for choosing ReadyShot!

Before operating, please fully read
the Operating Instructions.

We appreciate your business and are
looking forward to hearing from you
regarding our products.

Questions? Contact us: 1-877-973-2399 or
info@ReadyShot.com


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WARNINGS AND DISCLAIMERS
SAFETY INSTRUCTIONS

We want you to SAFELY enjoy using your new ReadyShot Training System. Please **READ THIS ENTIRE INSTRUCTION MANUAL CAREFULLY**. It is essential to follow the safety instructions for your safety and the safety of others.

- All safety measures are to be followed when dry firing.
- Follow all rules as if you were at the range.
- You are responsible for your safety and for those around you.
- At ALL times, treat your firearm as if it is loaded.
- Always keep your gun pointed in a safe direction.
- Always keep your finger off the trigger until ready to shoot.
- Remove all ammunition from the room in which you practice.
- Visually inspect that the firearm and all magazines in the vicinity are unloaded.
- Always follow firearms safety rules as outlined by the firearms manufacturer.
- Always keep the gun unloaded until ready to use.
- This training system is not a toy. Lasers and magnets can be dangerous if not used properly. Adult supervision is required.
- Do not point the laser beam at eyes. Permanent eye damage can result.
- Never look directly into the laser beam.
- Never point a laser beam at a person.
- Do not aim the laser at reflective surfaces.
- Never view a laser pointer using an optical instrument, such as binocular or a microscope.
- Do not allow children to use laser pointers unless under the supervision of an adult.
- It is a crime to point certain laser beams at moving airplanes or automobiles; this action may result in prosecution by the law.
- Do not allow children to handle neodymium magnets. Do not swallow or insert these magnets into any part of the body.
- Keep this and all firearm related products locked and secured from children or other unauthorized users.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

LASER SAFETY AND



DISCLAIMER
PRODUCT
LASER RADIATION--DO NOT STARE INTO BEAM OR VIEW

DIRECTLY WITH OPTICAL INSTRUMENTS
DO NOT OPERATE A LOADED FIREARM WHILE
READYSHOT IS ATTACHED
Discharging a loaded firearm while ReadyShot is attached can result in the firearm not functioning properly, potentially leading to damage to the firearm, AS WELL AS THE POTENTIAL FOR PHYSICAL INJURY OR DEATH TO THE USER AND/OR THIRD PARTIES. Prior to using ReadyShot, ensure that the firearm is not loaded with any type of ammunition. Ammunition may still load into the chamber while ReadyShot is properly installed. This does NOT mean that the firearm is safe to use for firing live ammunition.

ALWAYS DISASSEMBLE READYSHOT FROM THE
FIREARM AFTER USE OF READYSHOT IS
DISCONTINUED
Do not stow firearms while ReadyShot is installed. Failure to do so can result in costly delays in the event of an emergency.

LIMITATION OF LIABILITY
EXCEPT AS EXPRESSLY PROVIDED HEREIN, NOVEL ENGINEERING RAPID DESIGN SERVICES, INC., DBA READYSHOT, SHALL HAVE NO LIABILITY REGARDING READYSHOT, INCLUDING, WITHOUT LIMITATION COMMERCIAL OR OTHER LOSS BASED UPON NEGLIGENCE OR STRICT LIABILITY. IN NO EVENT SHALL NOVEL ENGINEERING RAPID DESIGN SERVICES, INC., DBA READYSHOT, BE LIABLE FOR ANY DIRECT, INDIRECT SPECIAL, INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES OF ANY TYPE OR CHARACTER INCLUDING, WITHOUT LIMITATION, COMMERCIAL AND/OR PERSONAL LOSSES AND/OR INJURY, EXCEPT TO THE EXTENT LIMITED BY 2-719 OF THE COMMERCIAL LAW ARTICLE OF THE ANNOTATED CODE OF MINNESOTA. FUTHER, NO SUCH LIMIAION SHALL APPLY TO THE EXTENT PROHIBITED BY APPLICABLE LAW.

PURCHASER’S EXCULPATORY CLAUSE
I acknowledge that I am responsible for using ReadyShot safely and legally and hereby agree to indemnify and hold harmless Novel Engineering Rapid Design Services, Inc, its owners, employees, agents and affiliates for any and all legal action arising from purchase, use or ownership of ReadyShot products and accessories, including, but not limited to any lawsuit or claim by myself or a third party for bodily injury, death or illegal activity. By purchasing this product, I, the Purchaser, indicate that I have read and understood the above liability waiver and that I agree to be bound by its terms. Terms and conditions are subject to change without notice.

WARRANTY DISCLAIMER
Except as expressly stated herein, Novel Engineering Rapid Design Services, Inc. makes no representations or warranties, either express or implied, of any kind with respect to ReadyShot. Except as expressly stated herein, Novel Engineering Rapid Design Services, Inc. expressly disclaims all warranties, express or implied, of any kind with respect to ReadyShot, including but not limited to, merchantability and fitness for a particular purpose.

LIMITED WARRANTY
Novel Engineering Rapid Design Services, Inc. warrants to the original purchaser that the ReadyShot product is free from defects in material and workmanship and agrees to repair or replace, at the exclusive discretion of Novel Engineering Rapid Design Services, Inc.’s, any defective ReadyShot product as follows from the original date of purchase:

30 DAYS – Parts and Labor
This warranty is not transferable and does not cover damage or liability caused by improper handling, improper maintenance, or the use of accessories and/or attachments not specifically recommended by Novel Engineering Rapid Design Services, Inc. for use with this product. Additionally, this warranty does not cover damage if the product is altered in any way which in Novel Engineering Rapid Design Services, Inc.’s judgment affects its condition or operation, or damage due to misuse, abuse, or accidental or unintentional acts by the user. Warranty does not cover batteries or problems arising from faulty batteries. For warranty service, carefully package the unit along with dated proof of purchase and an explanation of the problem, and mail it to: ReadyShot, 17764 Layton Path, Lakeville, MN 55044. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. NO CLAIMS FOR CONSEQUENTIAL OR OTHER DAMAGES WILL BE ALLOWED, AND THERE ARE NO OTHER EXPRESS WARRANTIES EXCEPT THOSE EXPRESSLY STIPULATED HEREIN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSION MAY NOT APPLY TO YOU.

GUNSHOT NOISE DISCLAIMER
ReadyShot has the capability to make a “gunshot” sound when the product is used which can be amplified through an audio receiver and project the sound through a speaker system. Depending on the decibel level, this could potentially trigger a gunshot detection system. Gunshot detection systems use acoustic sensing technology to identify, discriminate, and report gunshots to the police within seconds of the shot being fired. A gunshot detection system is comprised of sensors to detect the sound of a gunshot, transmitters to send a message to the police dispatch center, and a computer to receive and display that message. NOVEL ENGINEERING RAPID DESIGN SERVICES, INC. SHALL NOT BE RESPONSIBLE FOR ANY

TRIGGERING OF A GUNSHOT DETECTION SYSTEM WHICH
DIRECTLY OR INDIRECTLY RESULTS FROM THE USE OF
READYSHOT. When using ReadyShot in connection with audio equipment, always obey local noise ordinances.

MAGNET DISCLAIMER
WARNING: This product contains (a) small magnet(s). Swallowed magnets can stick together across intestines causing serious infections and death. Seek immediate medical attention if magnet(s) are swallowed or inhaled. NOVEL ENGINEERING RAPID DESIGN SERVICES, INC. SHALL NOT BE RESPONSIBLE FOR ANY MISUSE, INGESTION OF THE MAGNETS OR DAMAGE WHICH DIRECTLY OR INDIRECTLY RESULTS FROM THE USE OF READYSHOT.

NEODYMIUM-MAGNET SAFETY
The neodymium magnets are extremely strong, and must be handled with care to avoid personal injury and damage to the magnets. Fingers and other body parts can get severely pinched between two attracting magnets. Neodymium magnets are brittle, and can peel, crack or shatter if allowed to slam together. Eye protection should be worn when handling these magnets, because shattering magnets can launch pieces at great speeds. The strong magnetic fields of neodymium magnets can also damage magnetic media such as floppy disks, credit cards, magnetic I.D. cards, cassette tapes, video tapes or other such devices. They can also damage televisions, VCRs, computer monitors and other CRT displays. Never place neodymium magnets near electronic appliances. Children should not be allowed to handle neodymium magnets as they can be dangerous. Small magnets pose a choking hazard and should never be swallowed or inserted into any part of the body. Never allow neodymium magnets near a person with a pacemaker or similar medical aid. The strong magnetic fields of the magnet can affect the operation of such devices. Neodymium magnets should never be burned, as burning them will create toxic fumes. Like any tool or toy, neodymium magnets can be fun and useful, but must always be treated with care.

BATTERY GUIDELINES/REPLACEMENT AND
SPECIFICATIONS
Batteries typically last over 4 hours of actual “ON” time under normal intermittent use. If the laser becomes dim or fades, replace batteries.

Readyshot uses commonly available CR2032 batteries. To replace batteries:

1. Open the magazine by removing the screw that holds the two halves together.
2. Remove the two batteries while taking care to not disrupt other components of the circuit board.
3. Install new batteries with the positive (+) polarity side up.

LITHIUM BATTERY SAFETY
Lithium coin batteries lodged in the esophagus should be removed immediately. Leakage, chemical burns and potential perforation can occur within hours of ingestion. Seek medical attention immediately. Have physician call the NATIONAL BATTERY INGESTION HOTLINE for advice and follow-up (202)-625-3333) collect day or night. Do not expose the battery to excessive heat such as direct sunlight, fire, or the like.

Information
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Declaration of Conformity	
Trade Name:	ReadyShot
Model No:	RS-MGZ
Responsible Party:	ReadyShot
	info@ReadyShot.com
Telephone:	877-973-2399
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.	

Note
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Note from ReadyShot

The ReadyShot Gun Insert Kit is designed to be used either with or without the ReadyShot Target, however, using the ReadyShot Target may enhance your practice experience. Please review our practice videos at www.ReadyShot.com.

We hope you enjoy using the ReadyShot Gun Insert Kit. We are continually working to improve the ReadyShot training experience and appreciate hearing from you regarding your feedback and ideas.

Enjoy your gun training and thank you for purchasing ReadyShot! See the back of this page for assembly and usage instructions.

Gun Insert Kit for Glock Handguns

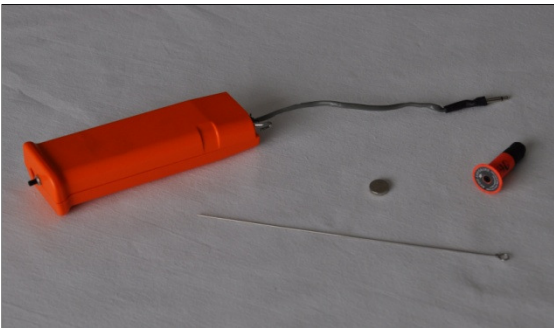
NOTE: The Glock Laser Insert Kit was developed especially to accommodate those Glock gun owners who would like to dry fire practice – without having to cycle the slide after each trigger pull. The ReadyShot Gun Insert Kits are being made available for other gun types as well. Please see www.readyshot.com for more information.

GETTING STARTED

UNPACKING

Check that you have the following items:

- ReadyShot Magazine with Barrel Wire
- ReadyShot Laser
- Spring Loading Tool (Steel Leader)
- Package of two batteries
- Package of two magnets
- Package of adhesive dots



ASSEMBLY

The entire process of assembling the ReadyShot Gun Inserts into your handgun will not take more than a minute - after you’ve done it a few times.



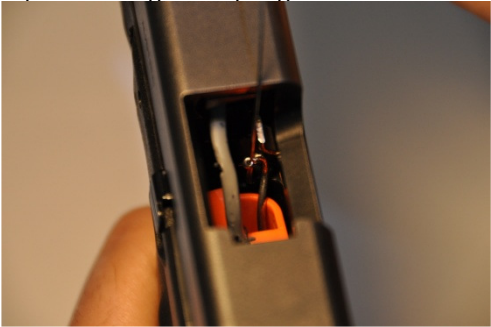
- 1) As always, remove the magazine and check the chamber to ensure the gun is unloaded and safe. Check again and then check again.
- 2) Pull the slide to the rear and lock it open.
- 3) *First time use only* – using a screwdriver, remove the screw from the magazine and separate the two magazine halves. Insert the two supplied batteries, +/-positive side up. Then reassemble the magazine.
- 4) With the wire connected to the magazine, insert the wire into the bottom of the grip up through to the chamber (with a little practice, you can guide the plug-end of the wire into the chamber and down the barrel quite easily.)



As the wire enters the barrel and you continue inserting the magazine, the magazine spring sticking out the top of the magazine may lightly catch on the gun’s magazine release mechanism. If this happens, either push a little more firmly, or use the supplied tool to help guide the spring past these features.



5) About a quarter-inch before the magazine clicks into place, stop the insertion process. Use the supplied Spring Loading Tool to grab the loop at the top of the magazine spring.



6) Make sure the gun’s trigger is in its most forward position.



7) Pulling firmly on the spring, pull it back far enough to clear the tab on the trigger bar, and guide the spring to catch around the tab.



8) Squeeze the trigger a few times to ensure the spring is properly engaged with the trigger bar tab. The spring should not slip off the tab, and the trigger should almost reset between pulls.

With the magazine fully inserted, the plug should stick out of the muzzle about an inch.

9) Attach the laser to the wire sticking out of the muzzle. TIP: Gently holding the plug against one side of the muzzle allows for efficient attachment of the laser. You should feel the laser insert click into place on the wire plug. Do NOT yet press the laser insert all of the way into the muzzle.

10) Close the slide.

11) Gently push and twist the laser into the muzzle. Try not to jam the laser insert into the muzzle. Push it in far enough that it is secure, but so that it still twists and allows you to push slightly more on one side as necessary to adjust the alignment of the laser.



12) Place an adhesive dot on the shiny-side of the trigger magnet (opposite the side with the round sticker). Carefully place the adhesive side of the magnet on the backside of the trigger.



13) Ensure the trigger is in its most forward position and then push the button on the bottom of the magazine to turn on the magazine power and “initialize” the magnet. When you first push the button, you should see a 0.1 second laser pulse. If you inadvertently pushed the button during assembly, you will not see a laser pulse.

14) Now fully squeeze the trigger, and you should see a 0.1 second laser pulse each time. Pulling the trigger faster than three times per second will probably result in failure-to-fire once in a while.

15) Every laser fits uniquely to each handgun. For alignment of the laser with your handgun, test the laser with your handgun sights. To adjust, twist the laser slightly or push on it on one side or the other, test and repeat. Once you find the optimal alignment for your handgun, make a small pencil mark on the sticker at the end of the laser, indicating the north/south direction. This will allow for rapid alignment in future practice sessions.



Fully Assembled

NOTE: The ReadyShot Magazine is designed to mimic a standard frame size normal capacity magazine. For a compact or subcompact size frame, the standard size magazine will stick out a half inch or more. This is normal, and is exactly the same situation as if you were to use a higher capacity standard frame size magazine in a compact or subcompact model Glock.

DISASSEMBLY

- 1) Unplug the laser from the barrel.
- 2) Open the slide and lock it open. Remove the magazine by depressing the magazine catch and extracting the magazine. You will have to pull firmly to disengage the magazine spring from the trigger tab. You may have to wiggle the magazine at the end of the process to get the wire to clear the chamber.
- 3) There is no harm leaving the magnet on the gun’s trigger, but you can easily remove it if you prefer. Make sure you store it in a safe place, away from children and animals, and be careful that it doesn’t “wander” toward metal. It is a relatively strong magnet.

Troubleshooting – Gun Kit

- If the gun sits for more than 10 minutes, the laser will “time out” and automatically shut off. To turn it back on, make sure the trigger is in its most forward position, and push the button.
- If the laser is false firing, firing at times when you have not pulled the trigger, try first making sure the trigger is fully forward and the magnet is attached to the rear of the trigger, and then push the button on the bottom of the magazine. Holding the button in for one or two seconds will ensure that a new “zero” is set for the magnet’s position.
- If the magazine spring does not push the trigger fully forward between each shot, try completely disassembling the magazine parts, remove the spring, and “unbend” it by making the V a little wider. Then reassemble all the parts.
- If the laser does not pulse, check to see if the laser is fully connected to the wire. The laser insert jack can be very tight-fitting on the wire plug.
- If the laser still did not pulse, the batteries might need to be changed. If you need more batteries, you can get CR2032 at most any retail store. For your convenience, the ReadyShot magazine batteries are also used in many Crimson Trace laser sights.
- To better align the laser with the sights, try rotating the laser insert. Also try pushing one side of the insert more into the muzzle. This works best if the insert is not jammed hard into the muzzle, but instead is firmly pushed into place while still allowing a little wiggle room.
- If the laser insert is jammed into the barrel such that it can’t be pulled out without possibly breaking it, it is best to field strip the pistol and use something like a ball point pen casing or cleaning rod to push the laser insert out from behind.