RUGER®

DEAD AIR®



RXD 22Ti

.22 CALIBER TITANIUM SUPPRESSOR

OWNER'S MANUAL

DEAD AIR silencers

WELCOME TO DEAD AIR SILENCERS

Thank you for purchasing our products and supporting the Second Amendment.

Dead Air Silencers was co-founded by one of the industry's true icons, Mike Pappas, and is supported through distribution and manufacturing by our industry partners. The goal of our company is simply to make the best firearm sound suppressors on the market. Every suppressor is manufactured in the U.S.A. by American craftsmen utilizing the finest materials. As Mike says, "We wouldn't have it any other way. We want the best products, made by Americans for Americans." That said, it's our customers that make our products possible and we appreciate each and every one of you that have supported us.

We place an absolute premium on customer service. We demand that our customers receive prompt and rewarding care and support. Feel free to contact us at 801-857-4232 or info@DeadAirSilencers.com with any questions or concerns you may have. Once again, thank you for your support.

RXD SUPPRESSORS

Dead Air Silencers and Ruger® Firearms are two of the most respected names in the shooting sports industry. These great brands came together to offer an entirely new and exciting product line: RXD Suppressors. Dead Air developed this line of performance-driven suppressors and accessories to complement Ruger's innovative firearms designs. RXD products are not reskins - they represent a new standard for suppressor design, performance, and maintainability.

RUGER® × DEAD AIR



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STOP

FIREARMS ARE DANGEROUS! REVIEW THIS OWNER'S MANUAL IN FULL BEFORE USING YOUR SUPPRESSOR. FAILURE TO FOLLOW THE INSTRUCTIONS LISTED BELOW COULD RESULT IN DAMAGE TO YOUR FIREARM AND/OR SERIOUS PERSONAL INJURY OR DEATH. DO NOT ATTEMPT TO USE YOUR FIREARM AND/OR SUPPRESSOR UNTIL YOU HAVE THE PROPER TRAINING TO DO SO.

1. PRODUCT OVERVIEW

Dead Air delivers a new standard in rimfire performance: the RXD22Ti. This innovative suppressor is comprised of a Titanium tube, a 3D printed PVD coated single-piece Triskelion™ core, titanium retaining cap and an all-new XRF muzzle brake specially designed to enhance performance and capture lead.

Compatible with many Ruger firearms including 10/22® rifles, Mark series pistols, SR22® pistols, and Ruger American® rimfire rifles.

SOUND PERFORMANCE					
Firearm	**Caliber**	**Barrel Length**	**Ammunition**	**dB @ Muzzle**	**dB @ Ear**
Ruger Mark IV™	.22LR	4.4”	CCI .22 LR Standard Velocity	117 dB	115 dB
Ruger 10/22®	.22LR	16”	CCI .22 LR Standard Velocity	111 dB	113 dB
Ruger American® Rimfire	.17 HMR	18”	Hornady .17 HMR	131 dB	125 dB
Ruger-5.7®	5.7x28mm*	4.94”	Federal American Eagle 5.7	138 dB	135 dB

**While rated for semiautomatic use with 5.7x28 ammunition, some platform and ammunition combinations may result in poor performance and/or damage to your suppressor. As with all calibers, always ensure that the suppressor and the bore of the barrel are concentric to each other prior to use. If you experience keyholing or observe evidence of a projectile contacting the suppressor, cease using that combination of host firearm and ammunition type immediately.*

Test Equipment Hottinger Brüel & Kjær Impulse Noise Evaluation Kit, https://www.bksv.com/en/instruments/daq-data-acquisition/analyzer-system/impulse-noise-evaluation-system

A note on our sound testing:

At Dead Air Silencers, we take pride in the innovative and scientific processes we use to design our products. Part of improving a product is measuring performance, and you can’t improve what you can’t accurately measure.

While we test across the sound spectrum for frequency and “perceived” sound, we also test for peak sound pressure in decibels [dB] at various locations. We’re keenly interested in balancing at-ear and muzzle results for the best possible shooting experience.

Our published sound testing is performed in accordance with MIL-STD-1474E, which doesn’t exactly provide the best indicator of how something sounds, but it does provide a very conservative and consistent muzzle sound level that can be reliably compared to previous results or known baselines. Our particular system provides very conservative results that you can rely on as accurate and representative of what can be experienced with our products.

Other manufacturers may move the microphone to other locations to provide more favorable readings, such as back behind the muzzle of the suppressor or only at the ear of the shooter. Some even rely on dealer/media sources to measure using systems that typically provide very favorable results. To keep all of this data in context as an end user, you should know this typically results in a bias of several decibels.

Our stated results are from our engineering group, not our marketing group.

2. GENERAL CONSIDERATIONS

Concentricity: To reduce the risk of a baffle strike, it is important to ensure that your barrel threads are aligned concentrically with the bore axis of your host firearm’s barrel. If you do not have the means to verify this, it is strongly recommended that you have a competent gunsmith verify it prior to using your RXD22Ti.

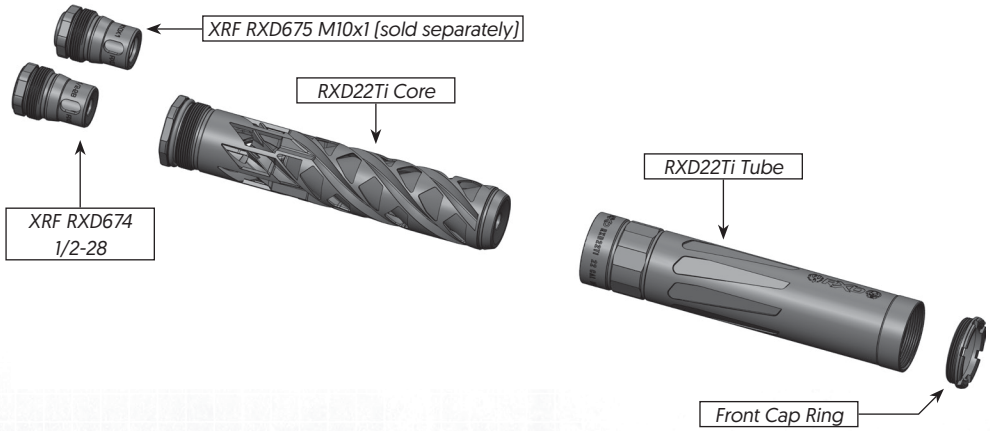
Ammunition: Ammunition type can significantly impact how your new suppressor functions and performs. Use high quality factory-new ammunition in your firearm.

Barrel Length: Suppressors are rated for specific cartridges and barrel lengths. Shorter barrels and/or faster cyclic rates of fire erode suppressor baffles faster. Shorter barrels can also affect acoustic performance.

CHECK YOUR FIREARM’S CHAMBER AND MAKE CERTAIN THAT THE FIREARM IS UNLOADED AND THE MAGAZINE REMOVED BEFORE PROCEEDING ANY FURTHER. IF THERE IS ANY QUESTION OR DOUBT, CONSULT THE OWNER’S MANUAL APPLICABLE TO YOUR FIREARM AS TO THE PROPER PROCEDURE FOR CLEARING AND/OR UNLOADING YOUR FIREARM.

DO NOT INSTALL YOUR NEW SUPPRESSOR ON A FIREARM WITH A CLOSED ACTION!

3. GET TO KNOW YOUR RXD22Ti



4. INSTALLATION NOTES

When discussing directionality during assembly, “back” will always be toward the host firearm, “front” will always be away. For example, the XRF muzzle device that connects to the barrel goes in the back of the suppressor, and the Front Cap Ring threads into the front.

Your RXD22Ti comes with a XRF muzzle device in the box, with a 1/2”-28 TPI thread socket, which is compatible with all Ruger firearms that have a 1/2”-28 thread pitch within the specified caliber rating. The XRF muzzle device is specially designed to work with the RXD22Ti.

THE RXD22TI IS RATED FOR .22 WINCHESTER MAGNUM RIMFIRE AND 5.7X28MM. IT IS OPTIMIZED FOR .22 LONG RIFLE (LR).

THE RXD22TI IS NOT RATED FOR 5.56 NATO. IT IS ONLY RATED FOR CALIBERS LISTED IN THIS MANUAL. EVEN THOUGH THE THREAD PITCH IS COMPATIBLE WITH RIFLES CHAMBERED IN 5.56 NATO AND OTHER CARTRIDGES WITH A HIGHER CHAMBER PRESSURES, IT IS RATED UP TO .22 WINCHESTER MAGNUM RIMFIRE AND 5.7X28MM, NOT .223 REM/5.56 NATO.

USE OF THE RXD22TI ON FIREARMS OUTSIDE OF STATED RATING WILL RESULT IN A LOSS OF WARRANTY, COULD RESULT IN DAMAGE TO THE SUPPRESSOR AND/OR COULD RESULT IN DAMAGE TO YOUR FIREARM, DAMAGE TO PROPERTY, BODILY INJURY, OR DEATH.

Note: If the mount loosens on your firearm due to the suppressor experiencing heavy heat cycles, then it’s recommended to degrease the threads and use a high temperature thread locker on the barrel threads. Note that it requires high heat to remove many high-strength thread lockers. Dead Air recommends using a medium-strength, high temperature thread locker like Vibra-Tite 123 for average operating conditions.

5. MUZZLE DEVICE INSTALLATION

To thread the XRF muzzle device onto your firearm, ensure the firearm is unloaded before conducting any maintenance or installation procedures. Ensure the thread protector on your firearm has been removed, also remove any o-rings or crush washers, and ensure the threads on both the firearm and XRF muzzle device are clean and free of any debris.

Align the XRF muzzle device with the threads on your firearm and rotate the muzzle device on the barrel with a clockwise motion until the rear of the XRF muzzle device mates to the shoulder of the barrel.

For muzzle seating XRF muzzle devices ensure the barrel crown is perpendicular to the bore of the firearm and follow the same procedure as previously stated.

Using a 1-1/16”, 27mm, and a 3/4” wrench or the supplied RXD22Ti tools on the core, torque the muzzle device to the barrel at 20 foot-pounds.

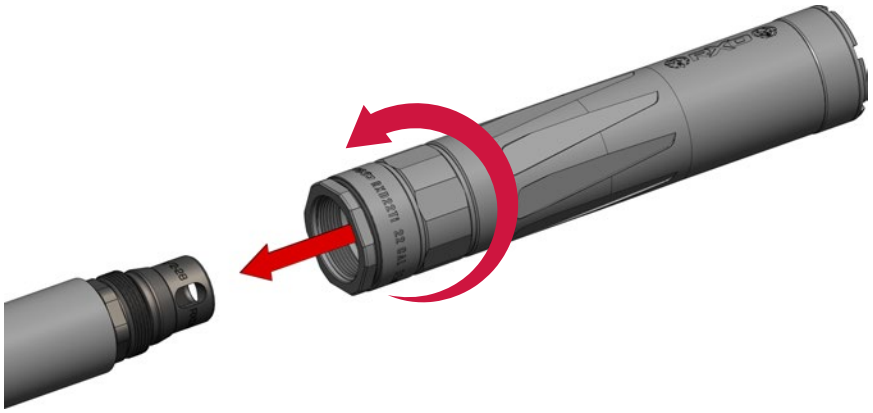
Note: The RXD22Ti is designed such that if you want to have a direct thread only suppressor you may torque the XRF muzzle device into the suppressor core with a 1-1/16”, 27mm, and 3/4” wrench or the supplied tools, to 15 foot-pounds.



6. SUPPRESSOR INSTALLATION AND REMOVAL

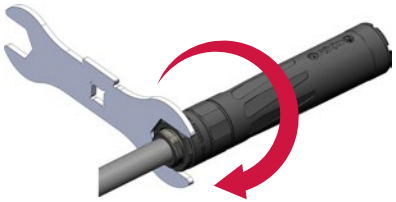
INSTALLATION:

Thread the muzzle device onto your host firearm or into the suppressor until it bottoms out on the taper. Note that the XRF muzzle device has a very steep taper angle which results in a rock-solid lock up with very low torque. Lightly hand tightening the suppressor on to the XRF mount will result in the suppressor staying attached to the muzzle device.



REMOVAL:

Removal with Tools: To remove the suppressor from the XRF mount, rotate in a counterclockwise motion (when viewing from muzzle end), until the suppressor comes off. Using the supplied RXD22Ti Tools place the larger open ended core wrench side around the core and rotate counterclockwise. Once the core has loosened from the muzzle device, turn the suppressor off by hand.



If the tube loosened for any reason, use the second supplied tool on the Front Cap Ring, turning counterclockwise, to ensure tightness.
Note: The Front Cap Ring has left-handed threads.

Removal without Tools: To remove the suppressor from the XRF mount, rotate in a counterclockwise motion, until the suppressor comes off. There is a possibility that the tube will back off the core. This is normal and to be expected if too much torque was applied to the XRF mount when mounting the suppressor. Once the tube breaks free, continue unthreading the tube until the core is exposed. Firmly grip the core and with a counterclockwise motion, unscrew the core from the mount. Insert the core back into the tube and tighten the core back to the tube.

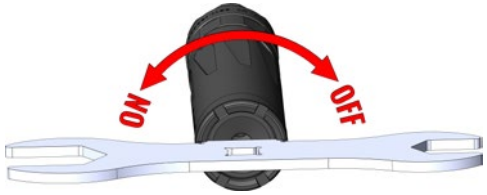
7. FRONT CAP RING INSTALLATION AND REMOVAL

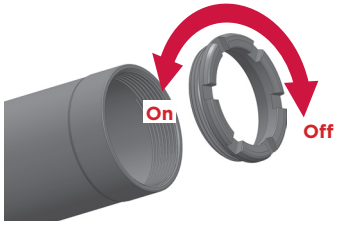
The Front Cap Ring on the RXD22Ti ships preinstalled on the suppressor and during normal use is not required to be installed or removed.

The threads on the Front Cap Ring are left-hand threads.

In the event of cleaning, the Front Cap Ring can be removed by using the supplied tools or by laying a 3/32 Allen wrench across the groves on the Front Cap Ring and with a clockwise motion turn the Front Cap Ring off.

NOTE: IF THE FRONT CAP RING IS EVER REMOVED ENSURE THAT IT IS INSTALLED ON THE TUBE FIRST BEFORE INSTALLING THE CORE. TORQUE TO 50 INCH-POUNDS





8. INSPECTION UPON ASSEMBLY

All components should be snug with no gaps or rattling. If any component is not fully tightened, then check threads for any damage or debris. Clean both mating parts as necessary and repeat the tightening step.

IF THE XRF MOUNT DOES NOT SMOOTHLY THREAD ONTO YOUR FIREARM, OR THE SUPPRESSOR CORE ONTO THE XRF MOUNT, STOP THE INSTALLATION PROCESS TO AVOID THREAD DAMAGE AND CONTACT OUR CUSTOMER SERVICE DEPARTMENT AT 801-857-4232 OR INFO@DEADAIRSILENCERS.COM.

FAILURE TO PROPERLY INSTALL YOUR SUPPRESSOR COULD RESULT IN SERIOUS INJURY, DAMAGE TO THE SUPPRESSOR, THE HOST FIREARM, THE USER, AND/OR A THIRD PARTY.

OUR PRODUCTS ARE CALIBER SPECIFIC. UNLESS STATED OTHERWISE ON THE SUPPRESSOR ITSELF OR ON THE PACKAGING, THE SUPPRESSOR WILL NOT FUNCTION SAFELY WITH ANY CARTRIDGE WITH PRESSURES HIGHER THAN 22 WINCHESTER MAGNUM RIMFIRE OR 5.7X28MM. USE OF YOUR SUPPRESSOR OUTSIDE OF ITS INTENDED SCOPE COULD RESULT IN DAMAGE TO YOUR FIREARM, DAMAGE TO PROPERTY, BODILY INJURY, OR DEATH.

THE SUPPRESSOR MAY BECOME EXTREMELY HOT AFTER USE. NEVER GRAB A HOT SUPPRESSOR AS IT CAN RESULT IN BURNS AND INJURY.

Any questions concerning the performance or care of your suppressor should be directed to our Customer Service Department 801-857-4232.

9. SUPPRESSOR CLEANING AND MAINTENANCE

STEP ONE: DISASSEMBLY AND PREPARATION

Ensure the suppressor is not mounted to a firearm. If it is, ensure the firearm is unloaded before attempting to remove the suppressor.

Ensure the suppressor and firearm are at ambient temperatures before conducting any maintenance on the suppressor or firearm.

Ensure that proper full coverage eye and skin protection is worn during all cleaning and/or maintenance operations.

STEP TWO: MUZZLE DEVICE, FRONT CAP RING, AND SUPPRESSOR CONTROL SURFACES

Ensure control surfaces such as threads, taper surfaces, and all mating surfaces, are clean of any debris. If debris or build-up is present, using a nylon or brass brush and cleaning oil, lightly brush the surfaces until the build-up or debris is removed.

When finished, using a shop or paper towel, wipe free any excess debris or oil. The XRF muzzle device's non-control surfaces may be cleaned using any available method that does not degrade the control surfaces mentioned previously.

NOTE: Certain caustic and/or acidic chemicals can discolor coatings such as Nitride or Physical Vapor Deposition (PVD) and can strip Cerakote paint.

STEP THREE: MAIN SUPPRESSOR BODY CLEANING

To clean the internal body of the suppressor end users are permitted to use any commercially available non-toxic, water soluble, bio-degradable cleaning solutions and methods provided by the chemical companies producing said chemicals.

To enhance cleaning of the internal surfaces and geometry an ultra-sonic tank WITHOUT HEAT AND/OR CORROSIVE CHEMICALS may be used on any materials such as Titanium, Steel, or Haynes.

Note: chemicals alone or in addition to an ultra-sonic process can lead to discoloration of coated or painted surfaces. A discoloration of coating or paint will not result in a loss of warranty.

NEVER USE ULTRA-SONIC TANKS AND ALUMINUM.

SUPPRESSORS AND/OR ANY SUPPORTING PRODUCTS THAT ARE CLEANED USING CHEMICALS OUTSIDE OF THE NON-TOXIC, WATER SOLUBLE, BIO-DEGRADABLE CLEANING SOLUTIONS AND/OR CHEMICALS THAT DISSOLVE ANY METAL WILL RESULT IN A LOSS OF WARRANTY.

YOU WILL BE SUBJECT TO ANY COSTS RELATED OR LEADING TO REPAIR OF THE PRODUCT, IF IT IS DETERMINED THAT THE PRODUCT IS NO LONGER SERVICEABLE DUE TO CHEMICAL EROSION OF CRITICAL SURFACES, STRUCTURES, AND/OR COMPONENTS.

THE INDIVIDUAL OWNER OF THE SUPPRESSOR AND/OR PERSON CONDUCTING THE CLEANING IS SOLELY RESPONSIBLE FOR THE PROPER DISPOSAL OF THE CLEANING SOLUTION AND/OR ANY POST SUPPRESSOR CLEANING SOLUTION THAT MAY OR MAY NOT CONTAIN HEAVY METALS.

10. DISCLAIMER

Dead Air Silencers is not responsible for damages or injuries due to misuse or unintended use of its products. This product is potentially dangerous and, as such, adequate safety precautions must be taken to avoid damage to your firearm, damage to third parties, bodily injury or death. Please consult our website for further details at: www.DeadAirSilencers.com or call 801-857-4232.

11. WARRANTY

We provide a conditional lifetime warranty against all manufacturing defects and damages caused by the normal use of this product. Dead Air Silencers will repair or replace free of charge any suppressor manufactured by, or at the direction of, Dead Air Silencers. The product is sold "as is" with no further implied contractual rights or warranties beyond those expressly stated herein.

The warranty does not apply to certain conditions or acts. It is at the sole discretion and determination of Dead Air Silencers if a particular defect or condition is covered by this warranty. Conditions not covered include, but are not limited to, modifications, abuse, neglect, use of defective ammunition, use of improperly sized ammunition, and/or criminal conduct. Dead Air Silencers assumes no liability for damages or bodily injury caused by such acts or omissions as previously described. Abuse and neglect are defined as usage outside of the reasonable scope for which the product is intended, thus contributing to the accelerated and unreasonable premature wear of the suppressor itself.

If a repair is required, you must contact our Customer Service Department at 801-857-4232 or info@deadairsilencers.com. A Dead Air Silencers representative will arrange for the return of the suppressor.

DO NOT SHIP THE SUPPRESSOR FOR REPAIR WITHOUT FIRST CONTACTING CUSTOMER SERVICE AND DO NOT SHIP IN ANY EVENT WITHOUT A COPY OF THE APPROVED BATF FORM.

When you ship the suppressor back to us, please include a detailed statement concerning the type of defect or malfunction encountered and describe the ammunition used and type of host firearm the product was used on or attached to.

If for any reason your suppressor is not eligible for repair or replacement, you may purchase a replacement suppressor for 50% off the MSRP for a same or similar suppressor. Please contact our Customer Service Department for further details and requirements.

12. LAWFUL USE AND POSSESSION

Your new suppressor is an NFA firearm and is not legal to own or possess in certain jurisdictions. Dead Air Silencers does not offer any express or implied promises or affirmations concerning the use, possession, or ownership of your suppressor. If you have any questions concerning the ownership, possession, or use of your suppressor contact the chief local law enforcement officer in the jurisdiction in which you reside or your local BATF office for further information concerning the ownership, use, and possession of NFA controlled firearms.

ALWAYS MAINTAIN A COPY OF THE APPLICABLE BATF DOCUMENTS TO YOUR SUPPRESSOR WITH THE SUPPRESSOR ITSELF WHENEVER TRANSPORTING OR USING YOUR SUPPRESSOR. FAILURE TO DO SO COULD RESULT IN CONFUSION, PROSECUTION, OR CONFISCATION OF YOUR NFA CONTROLLED FIREARMS.

13. CONTACT INFORMATION

You can contact us directly by telephone at 801-857-4232, or visit our website at www.DeadAirSilencers.com.

Thank you once again for supporting our products and feel free to contact us with any inquiries or concerns that you might have.

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Designed & Manufactured by Dead Air Silencers® under license from Sturm, Ruger & Co., Inc.

⚠ Warning: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For other information go to www.P65Warnings.ca.gov

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