

Umarex Zelos

Umarex Zelos .22 Caliber PCP Pellet Gun Air Rifle User Manual

Model: Zelos (Part Number: 2251541)
Brand: Umarex

INTRODUCTION

This manual provides essential information for the safe and effective use of your Umarex Zelos .22 Caliber PCP Pellet Gun Air Rifle. Please read all instructions carefully before operating the air rifle. Proper understanding and adherence to these guidelines will ensure optimal performance and user safety.

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 more information go to www.P65Warnings.ca.gov.

SETUP AND ASSEMBLY

Before initial use, ensure all components are present and undamaged. The Umarex Zelos is designed for straightforward setup.

1. Unboxing and Initial Inspection

Carefully remove the air rifle from its packaging. Inspect the rifle for any visible damage or missing parts. Refer to the included components list for verification.



Figure 1: Overall view of the Umarex Zelos .22 Caliber PCP Pellet Gun Air Rifle.

2. Filling the PCP Tank

The Zelos features a 3625 PSI (250 BAR) air tank. Use a compatible PCP air pump, compressor, or scuba tank to fill the reservoir. Monitor the integrated pressure gauge to ensure the tank is filled to the recommended pressure range of 1000-2000 PSI for optimal performance, or up to the maximum 3625 PSI.



Figure 2: Close-up view of the pressure gauge and trigger assembly, showing the "DEGAS" port.

3. Loading the Magazine

The air rifle utilizes a high-capacity 20-round rotary magazine. Load .22 caliber pellets into the magazine according to the instructions provided with the magazine itself. Ensure pellets are seated correctly to prevent feeding issues.

4. Attaching Optics and Accessories

Integrated Picatinny rails are provided for mounting optics (such as scopes) and other accessories. Securely attach your chosen accessories using appropriate mounts and tools. Ensure all attachments are firm and do not obstruct the rifle's operation.



Figure 3: Detail of the integrated Picatinny rail for optics and accessories.

5. Adjusting the Stock

The Zelos features an adjustable stock to customize the length of pull for user comfort and improved shooting posture. Adjust the stock to your preferred length by manipulating the adjustment mechanism located on the stock.



Figure 4: Adjustable buttstock mechanism for personalized fit.

OPERATING INSTRUCTIONS

1. Safety First

Always ensure the air rifle is pointed in a safe direction and the safety mechanism is engaged ("SAFE" position) until you are ready to fire. Treat every airgun as if it were loaded.







Figure 5: Safety switch and side-lever cocking mechanism.

2. Cocking the Air Rifle

To prepare the air rifle for firing, operate the side-lever cocking mechanism. Pull the side-lever fully back until it locks into place, then push it forward to chamber a pellet from the magazine. This action also cocks the hammer.

3. Engaging and Disengaging Safety

The safety switch is located near the trigger guard. Move the switch to the "SAFE" position to prevent accidental discharge. When ready to fire, move the switch to the "FIRE" position.

4. Firing the Air Rifle

Once the rifle is cocked, the safety is disengaged, and you have a clear target, gently squeeze the two-stage adjustable trigger. The first stage takes up slack, and the second stage releases the hammer, firing the pellet. The Zelos is designed to shoot .22 caliber airgun pellets at velocities up to 1000 FPS.

5. Adjustable Pressure Regulator

The Zelos features an adjustable pressure regulator, allowing you to fine-tune the air pressure delivered to the valve for consistent shot velocity. This adjustment typically ranges from 1000-2000 PSI. Refer to the detailed regulator adjustment instructions in the full product manual for precise tuning.

MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your Umarex Zelos air rifle.

1. Cleaning the Barrel

Periodically clean the barrel to remove lead residue and debris. Use appropriate cleaning rods and patches designed for .22 caliber airgun barrels. Ensure the barrel is clean and free of obstructions before each use.

2. Lubrication

Apply a small amount of silicone-based lubricant to moving parts, such as the side-lever mechanism and O-rings, as recommended in the full product manual. Avoid petroleum-based lubricants, as they can damage seals.

3. O-Ring Inspection

Regularly inspect all O-rings for signs of wear, cracking, or damage. Damaged O-rings can lead to air leaks. Replace any compromised O-rings promptly. While some O-rings may be user-replaceable, complex internal seals may require professional service.

4. Storage

Store the air rifle in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the air rifle is unloaded and the safety is engaged before storage. It is recommended to store PCP air rifles with some pressure in the tank (e.g., 1000 PSI) to maintain seal integrity, but avoid storing at maximum pressure for extended periods.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Umarex Zelos air rifle.

1. Air Leaks

If you detect an air leak, first check the fill port and all visible seals. A hissing sound or a rapid drop in pressure indicates a leak. Minor leaks might be resolved by inspecting and replacing external O-rings. For persistent or internal leaks, professional service may be required as replacement parts for self-repair might not be readily available.

2. Pellet Feeding Issues

Ensure pellets are correctly loaded into the magazine and are of the appropriate .22 caliber. Check for any deformed pellets or debris in the magazine or breech area. Clean the magazine and inspect for damage.

3. Inconsistent Velocity / Low Power

Check the air tank pressure; ensure it is adequately filled. Verify that the adjustable pressure regulator is set correctly. A dirty barrel or worn seals can also contribute to inconsistent performance. Perform routine maintenance as described in the Maintenance section.

4. Rifle Not Cocking

Ensure the side-lever is operated fully and smoothly. Check for any obstructions in the cocking mechanism. If the issue persists, do not force the mechanism; contact customer support.

5. Accuracy Issues

Verify that your optics are securely mounted and properly zeroed. Experiment with different pellet brands and weights to find the most accurate combination for your rifle. A clean barrel is essential for accuracy.

SPECIFICATIONS

Feature	Specification
Brand	Umarex
Model Name	Zelos
Part Number	2251541
Caliber	.22 Caliber

Air Gun Power Type	PCP (Pre-Charged Pneumatic)
Max Velocity	Up to 1000 FPS
Magazine Capacity	20 Rounds (Rotary Magazine)
Max Tank Pressure	3625 PSI (250 BAR)
Adjustable Regulator Range	1000-2000 PSI
Trigger	Two-stage adjustable
Cocking Mechanism	Side-lever
Item Weight	6.95 Pounds
Barrel Material	Aluminum
Frame Material	Polymer
UPC	723364515415

WARRANTY INFORMATION

The Umarex Zelos .22 Caliber PCP Pellet Gun Air Rifle is covered by a manufacturer's warranty. For specific details regarding warranty terms, conditions, and duration, please refer to the warranty documentation included with your product or visit the official Umarex USA website.

CUSTOMER SUPPORT

For technical assistance, parts inquiries, or warranty claims, please contact Umarex USA customer support. It is recommended to have your product model number (2251541) and UPC (723364515415) available when contacting support.

Manufacturer: Umarex USA

For the most current contact information, please visit the official Umarex USA website:www.umarexusa.com

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