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> [Umarex AER16 Electric-Powered Full Auto .177 Caliber BB Gun Air Rifle User Manual](#)

Umarex AER16

Umarex AER16 Electric-Powered Full Auto .177 Caliber BB Gun Air Rifle User Manual

Model: AER16 | Brand: Umarex

1. INTRODUCTION AND OVERVIEW

The Umarex AER16 is an electric-powered, full-auto steel BB airgun designed for recreational shooting. This manual provides essential information for the safe and proper operation, maintenance, and troubleshooting of your AER16 air rifle.



Figure 1: Umarex AER16 Air Rifle, main view.

Key Features:

- Electric-powered full-auto steel BB airgun.
- Launches up to 650 rounds (10-12 magazines) on a full battery charge.
- Features a drop-free magazine with a 55-round capacity.
- Shoots .177 caliber steel BBs at up to 430 feet per second (FPS).
- Equipped with a smart LED MOSFET for precise control and performance.
- Easily switch between safe, semi-auto, and full-auto firing modes.
- Offers multiple mounting options for accessories.
- Includes adjustable and removable flip-up sights, a 650-round speedloader, charging cable, and an 11.1V 1100 mAh Li-Po battery.
- Compatible with spare magazine part number: 2252127.

Product Overview Video:

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Video 1: An overview of the Umarex AER16 air rifle, highlighting its key features and operation.

2. SAFETY INFORMATION

WARNING: This is not a toy. Misuse may cause serious injury or death. Always handle with extreme caution.

Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always wear eye protection when handling or operating the air rifle.
- Treat every airgun as if it were loaded.
- Never point the air rifle at anything you do not intend to shoot.
- Keep your finger off the trigger until you are ready to fire.
- Be sure of your target and what is beyond it.
- Store the air rifle unloaded and separate from ammunition.
- Keep out of reach of children.
- Read and understand all instructions before use.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- Umarex AER16 Electric-Powered Full Auto .177 Caliber BB Gun Air Rifle
- 55-round drop-free magazine
- 650-round speedloader
- 11.1V 1100 mAh Li-Po battery
- Battery charging cable
- Adjustable and removable flip-up sights



Figure 2: Front view of the Umarex AER16 product packaging.

4. SETUP

4.1 Battery Charging and Installation

The AER16 is powered by an 11.1V 1100 mAh Li-Po battery. Ensure the battery is fully charged before first use.

1. Connect the provided charging cable to the battery and a suitable USB power source.
2. Allow the battery to charge completely. Refer to the charger's indicator for charging status.
3. Locate the battery compartment, typically within the buttstock or handguard.
4. Carefully insert the charged battery into the compartment and connect it to the air rifle's power connector.
5. Securely close the battery compartment.



Figure 3: Front view of the AER16 air rifle, showing the barrel and handguard.

4.2 Loading BBs

The AER16 uses .177 caliber steel BBs and comes with a 55-round drop-free magazine and a 650-round speedloader.

1. Remove the magazine from the air rifle by pressing the magazine release button.
2. Use the included speedloader to fill the magazine with .177 caliber steel BBs. Ensure BBs are loaded correctly to prevent jams.
3. Insert the loaded magazine firmly into the magazine well until it clicks into place.



Figure 4: Close-up view of the AER16's receiver and magazine.





Figure 5: The 55-round drop-free magazine for the AER16.

4.3 Adjusting Buttstock

The AER16 features an adjustable buttstock for comfortable shooting positions.

1. Locate the adjustment lever on the underside of the buttstock.
2. Press the lever and slide the buttstock to your desired length.
3. Release the lever to lock the buttstock in position.



Figure 6: Rear view of the AER16, showing the adjustable buttstock.

4.4 Sights and Accessories

The air rifle includes adjustable and removable flip-up sights and offers multiple mounting options for additional accessories on its rail system.



Figure 7: Side view of the AER16, illustrating the rail system for accessories.

5. OPERATING INSTRUCTIONS

5.1 Safety Selector

The AER16 features a safety selector with three positions: SAFE, SEMI, and AUTO.

- **SAFE:** Prevents the air rifle from firing. Always engage the safety when not actively shooting.
- **SEMI:** Allows for single shots with each pull of the trigger.
- **AUTO:** Enables full-automatic firing, continuously shooting as long as the trigger is held down and ammunition is available.



Figure 8: Close-up of the safety selector on the AER16.

5.2 Firing the Air Rifle

1. Ensure the magazine is loaded and properly inserted.
2. Point the air rifle in a safe direction towards your target.
3. Move the safety selector to the desired firing mode (SEMI or AUTO).
4. Place your finger on the trigger and pull to fire.
5. After firing, always return the safety selector to the SAFE position.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Umarex AER16 air rifle.

6.1 Cleaning

- Wipe down the exterior of the air rifle with a clean, dry cloth after each use to remove dirt and moisture.
- Periodically clean the barrel using a .177 caliber cleaning rod and patches.
- Do not use petroleum-based lubricants on plastic or rubber components.

6.2 Battery Care

- Always use the provided charging cable or a compatible Li-Po charger.
- Do not overcharge or completely discharge the battery.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge the battery to approximately 50% capacity.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your AER16 air rifle.

Problem	Possible Cause	Solution
Air rifle does not fire.	Battery is not charged or connected; Safety is engaged; Magazine is empty or not properly inserted.	Charge and connect battery; Disengage safety; Load and properly insert magazine.
Low FPS or inconsistent shots.	Low battery charge; Incorrect BBs used; Barrel obstruction.	Recharge battery; Use recommended .177 steel BBs; Clean barrel.
BBs not feeding.	Magazine improperly loaded or damaged; Incorrect BB size.	Reload magazine correctly; Inspect magazine for damage; Ensure .177 steel BBs are used.

If the issue persists after attempting these solutions, please contact Umarex customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Umarex
Model Name	AER16
Part Number	2252126
UPC	723364521263
Caliber	.177 Caliber Steel BBs
Max FPS	Up to 430 FPS
Power Type	Battery, Electric (AEG)
Battery	11.1V 1100 mAh Li-Po (Included)
Magazine Capacity	55 Rounds
Total Rounds (on full charge)	Up to 650 Rounds (approx. 10-12 mags)
Firing Modes	Safe, Semi-Auto, Full-Auto
Barrel Material	Metal
Frame Material	Polymer
Color	Black
Item Package Dimensions	34.02 x 10.71 x 3.86 inches
Package Weight	3.24 Kilograms
Suggested Users	Unisex-adult
Date First Available	January 23, 2024



Figure 9: Back view of the AER16 product packaging, showing UPC and manufacturer details.

9. WARRANTY AND SUPPORT

The Umarex AER16 Electric-Powered Full Auto .177 Caliber BB Gun Air Rifle is covered by a manufacturer's warranty.

For warranty claims, technical support, or additional information, please visit the official Umarex USA website or contact their customer service department.

Official Umarex USA Store: [Umarex USA Store on Amazon](#)

Manufacturer Website: umarexairguns.com