

Beeman 1073

Beeman Marksman 1073 Grizzly X2 Dual Caliber Air Rifle Instruction Manual

Model: 1073 | Brand: Beeman

1. INTRODUCTION AND SAFETY WARNINGS

This manual provides essential instructions for the safe and proper operation, maintenance, and care of your Beeman Marksman 1073 Grizzly X2 Dual Caliber Air Rifle. Please read this manual thoroughly before using the air rifle. Failure to follow these instructions can result in serious injury or death.

General Safety Rules:

- **ALWAYS** treat every air rifle as if it were loaded.
- **NEVER** point an air rifle at anything you do not intend to shoot.
- **ALWAYS** keep the muzzle pointed in a safe direction.
- **ALWAYS** keep your finger off the trigger until ready to shoot.
- **ALWAYS** be sure of your target and what is beyond it.
- **ALWAYS** wear eye protection when shooting.
- **ALWAYS** use an appropriate backstop to prevent ricochets.
- **NEVER** shoot at hard surfaces or water.
- Keep air rifles and pellets out of reach of children.
- Do not alter or modify your air rifle.

The Beeman Marksman 1073 Grizzly X2 is a versatile break-barrel air rifle featuring interchangeable barrels, allowing you to switch between .177 (4.5mm) and .22 (5.5mm) calibers. This dual-caliber capability provides flexibility for various shooting activities.



Image 1.1: The Beeman Marksman 1073 Grizzly X2 Dual Caliber Air Rifle. This image shows the complete air rifle assembly, highlighting its European hardwood stock and overall design.

2. WHAT'S IN THE BOX

Carefully unpack all components and inspect them for any damage. If any parts are missing or damaged, contact Beeman customer support immediately.

- Beeman Marksman 1073 Grizzly X2 Air Rifle (main receiver and stock)
- .177 Caliber (4.5mm) Barrel
- .22 Caliber (5.5mm) Barrel
- 4x32 Scope
- Scope Mounts
- Instruction Manual (this document)

3. SPECIFICATIONS

Feature	Specification
Model	1073 Grizzly X2
Brand	Beeman
Caliber	.177 (4.5mm) and .22 (5.5mm) - Interchangeable Barrels
Power Source	Spring-Piston (Break Barrel)
Velocity	Up to 1000+ FPS (.177 cal) / 830 FPS (.22 cal)
Stock Material	European Hardwood
Barrel Material	Metal
Overall Weight	Approximately 8.5 lbs
Included Scope	4x32 with Mounts

4. SETUP

4.1. Barrel Interchange

The Beeman Marksman 1073 Grizzly X2 allows for quick barrel changes between .177 and .22 calibers. Ensure the air rifle is unloaded and the safety is engaged before proceeding.

1. Ensure the air rifle is completely unloaded and the safety is on.
2. Locate the barrel pivot screw at the front of the receiver, where the barrel attaches.
3. Using an appropriate tool (e.g., Allen wrench), loosen the barrel pivot screw. Do not remove it completely unless necessary.
4. Carefully remove the installed barrel by pulling it away from the receiver.
5. Select the desired caliber barrel (.177 or .22) and align it with the pivot point on the receiver.
6. Insert the new barrel into position, ensuring it seats correctly.
7. Tighten the barrel pivot screw firmly. Do not overtighten.

Image 4.1: (Illustration of barrel removal and insertion). This image would visually guide the user through loosening the pivot screw, detaching the current barrel, and attaching the new caliber barrel.

4.2. Scope Mounting

The included 4x32 scope enhances accuracy. Follow these steps to mount it correctly.

1. Ensure the air rifle is unloaded and the safety is engaged.
2. Locate the dovetail rail on top of the air rifle's receiver.
3. Attach the scope mounts to the dovetail rail. Ensure the mounts are positioned to allow for proper eye relief when shouldering the rifle.
4. Place the 4x32 scope into the rings of the mounts.
5. Adjust the scope's position forward or backward until you achieve comfortable eye relief (the distance between your eye and the scope's eyepiece).
6. Rotate the scope so that the reticle (crosshairs) is level.
7. Tighten the scope ring screws evenly to secure the scope. Do not overtighten, as this can damage the scope tube.
8. After mounting, the scope will need to be sighted in (zeroed) at your desired shooting distance. Refer to the scope's individual manual for detailed sighting-in procedures.

Image 4.2: (Diagram showing scope and mounts attached to the dovetail rail). This image would illustrate the correct placement of the scope mounts and the scope itself on the air rifle's receiver.

5. OPERATING INSTRUCTIONS

5.1. Safety First

Before each use, review the safety warnings in Section 1. Always confirm the air rifle is pointed in a safe direction and the safety is engaged before handling.

5.2. Loading and Cocking

The Beeman Marksman 1073 Grizzly X2 is a single-shot break-barrel air rifle. Only use pellets of the correct caliber for the barrel currently installed.

1. **Engage Safety:** Ensure the safety mechanism is in the "SAFE" position.
2. **Break the Barrel:** Firmly grasp the barrel and strike it downwards near the muzzle to break the breech seal. Continue pulling the barrel down until the spring-piston mechanism cocks and locks into place. You will hear a distinct click.
3. **Insert Pellet:** With the barrel fully broken open, insert one pellet (skirt first) into the breech. Ensure the pellet is fully seated.
4. **Return Barrel:** Firmly close the barrel by pushing it upwards until it locks securely into its original position. Ensure there is no gap at the breech. The air rifle is now cocked and loaded.

Image 5.1: (Sequence of images showing breaking the barrel, inserting a pellet, and closing the barrel). This visual aid would demonstrate the correct loading and cocking procedure.

5.3. Firing

Once the air rifle is loaded and cocked, you are ready to fire.

1. **Aim:** Take a stable shooting position and aim at your target.
2. **Disengage Safety:** When ready to shoot, push the safety mechanism to the "FIRE" position.
3. **Fire:** Place your finger on the trigger and slowly squeeze until the air rifle fires.
4. **Re-engage Safety:** After firing, immediately engage the safety mechanism.

5.4. Unloading

If you need to unload the air rifle without firing, proceed with extreme caution.

1. **Engage Safety:** Ensure the safety is in the "SAFE" position.
2. **Break the Barrel:** Carefully break the barrel as if to load, but do not insert a new pellet.
3. **Remove Pellet:** If possible, gently remove the pellet from the breech. If it cannot be removed easily, proceed to the next step.
4. **Decock Safely:** While holding the barrel firmly in the broken position, disengage the safety. Maintain a firm grip on the barrel and slowly allow it to return to its closed position, controlling the spring tension. Ensure the muzzle is pointed in a safe direction throughout this process.
5. **Verify Empty:** Visually inspect the breech to confirm no pellet remains.

6. MAINTENANCE

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

6.1. Cleaning

- **Barrel:** Clean the barrel periodically (every 250-500 shots or if accuracy degrades) using a cleaning

rod, patches, and airgun-specific cleaning solvent. Push patches through from the breech end to the muzzle.

- **Exterior:** Wipe down the metal and wood surfaces with a clean, soft cloth after each use to remove dirt, moisture, and fingerprints. A light coat of silicone oil can protect metal parts from corrosion.
- **Stock:** The hardwood stock can be cleaned with a wood cleaner or furniture polish.

6.2. Lubrication

Apply a small amount of airgun-specific lubricant to pivot points and moving parts as needed. Avoid over-lubrication, especially near the compression chamber, as this can cause 'dieseling' (premature ignition of lubricant, leading to inconsistent velocity and potential damage).

6.3. Storage

Store your air rifle in a cool, dry place, unloaded and with the safety engaged. It is recommended to store it in a gun case to protect it from dust and damage. Keep pellets separate from the air rifle.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

- **Inaccuracy:**
 - *Loose Barrel:* Check the barrel pivot screw (Section 4.1) and ensure it is tightened. A loose barrel can significantly affect accuracy.
 - *Loose Scope/Mounts:* Ensure the scope and its mounts are securely fastened (Section 4.2).
 - *Incorrect Pellets:* Ensure you are using the correct caliber pellets for the installed barrel. Experiment with different pellet brands and weights to find what performs best with your air rifle.
 - *Dirty Barrel:* Clean the barrel as described in Section 6.1.
 - *Improper Hold:* Air rifles are sensitive to how they are held. Practice a consistent, light hold.
- **Difficulty Cocking:**
 - The Beeman Marksman 1073 is a powerful air rifle, and a certain amount of effort is required to cock it. This is normal.
 - Ensure the barrel is broken fully downwards until the mechanism clicks and locks.
 - Check for any obstructions in the barrel or breech area.
- **Air Rifle Fails to Fire:**
 - Ensure the air rifle is fully cocked.
 - Check that the safety is in the "FIRE" position.
 - Verify a pellet is properly loaded in the breech.

If you experience persistent issues not covered here, please contact Beeman customer support.

8. WARRANTY AND SUPPORT

8.1. Warranty Information

Your Beeman Marksman 1073 Grizzly X2 Air Rifle is covered by a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship. Proof of purchase is required for all warranty claims.

The warranty does not cover normal wear and tear, damage caused by misuse, improper maintenance, unauthorized modifications, or the use of incorrect ammunition.

8.2. Customer Support

For warranty claims, technical assistance, or general inquiries, please contact Beeman customer support. Refer to the contact information provided with your product packaging or visit the official Beeman website for the most current support details.

Please retain your proof of purchase for warranty purposes.