Umarex TR50

Umarex T4E TR50 Revolver .50 Caliber Training Pistol User Manual

Model: TR50 | Brand: Umarex

Introduction

This manual provides essential information for the safe and effective use of your Umarex T4E TR50 Revolver .50 Caliber Training Pistol. The TR50 is a robust 6-shot revolver designed for training and recreational use with .50 caliber paint, dust, or rubber ammunition. It features a Double Action (DA) mechanism, easy-change cylinders, and a quick-pierce CO2 system for rapid deployment.



Figure 1: Umarex T4E TR50 Revolver, Combat Gray.

Important Safety Information

WARNING: NOT A TOY. MISUSE MAY CAUSE SERIOUS INJURY OR DEATH.

- Always wear eye protection designed specifically for paintball when using this product. Ensure all persons within range also wear appropriate eye protection.
- Read this entire owner's manual before using the Umarex T4E TR50 Revolver. Failure to do so can result in serious injury or death.
- You and others with you should always wear shooting glasses to protect your eyes.
- Buyer and user have the responsibility to obey all laws about the purchase, use, and ownership of this airgun.
- Do not brandish or display this airgun in public. It may confuse people and may be a crime. Police and others may think it is a firearm.
- Do not change the coloration and markings to make it look more like a firearm. That is dangerous and may be a crime.



Figure 2: Side view of the TR50, showing engraved safety warnings.

Package Contents

Upon opening your Umarex T4E TR50 Revolver package, please verify that all components are present and undamaged:

- Umarex T4E TR50 Revolver (.50 Caliber)
- One or more 6-shot rotary magazines (cylinders)
- CO2 quick-pierce knob/tool
- User Manual (this document)



Figure 3: The TR50 Revolver shown with several 6-shot rotary magazines.

Setup and Loading

1. Installing the CO2 Cartridge

The TR50 uses a 12g non-threaded CO2 cartridge. The quick-pierce system allows for rapid CO2 activation.

1. Ensure the revolver is unloaded and pointed in a safe direction.
2. Unscrew the CO2 piercing knob located at the bottom of the grip until it is fully extended.
3. Insert one 12g CO2 cartridge into the grip, narrow end first.
4. Screw the CO2 piercing knob back in until it is finger-tight. Do not overtighten.
5. To activate the CO2, firmly strike the bottom of the piercing knob against a hard surface, or push the knob in with your thumb until you hear the CO2 pierce. The system is now pressurized and ready for use.



Figure 4: The quick-pierce CO2 knob at the base of the grip.

2. Loading Ammunition

The TR50 uses .50 caliber ammunition, including paintballs, dust balls, or rubber balls.

1. To remove the cylinder, push the cylinder release button located on the left side of the frame, just above the trigger guard. The cylinder will swing out.
2. Load up to six .50 caliber rounds into the chambers of the cylinder.
3. Swing the loaded cylinder back into the frame until it clicks securely into place.
4. Extra magazines can be pre-loaded for quick changes.



Figure 5: The trigger and cylinder area of the TR50.

Operating Instructions

Once the CO2 cartridge is installed and the cylinder is loaded, the TR50 is ready for operation.

- **Aiming:** Use the integrated sights to align your shot with the target. The TR50 also features top and bottom Picatinny rails for mounting accessories such as sights or lights.
- **Firing:** The TR50 operates in Double Action (DA) mode. To fire, simply pull the trigger fully to the rear. This action will rotate the cylinder, cock the hammer, and release it to strike the CO2 valve, propelling the projectile.
- **Reloading:** After all six rounds have been fired, follow the steps in the "Loading Ammunition" section to replace or reload the cylinder.



Figure 6: Close-up view of the TR50's barrel and integrated Picatinny rail for accessories.

Maintenance

Regular maintenance ensures the longevity and reliable performance of your TR50 Revolver.

- **Cleaning:** After each use, especially when using paintballs, clean the barrel and cylinder thoroughly to remove any residue. Use a soft cloth and a suitable cleaning solution designed for airguns.
- **Lubrication:** Periodically apply a small amount of silicone oil to moving parts and O-rings to keep them lubricated and prevent wear. Do not use petroleum-based oils.
- **Storage:** Store the TR50 in a cool, dry place, away from direct sunlight and extreme temperatures. Always remove the CO2 cartridge before storing the revolver for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
No CO2 discharge / Weak shot	CO2 cartridge not pierced or empty.	Ensure the quick-pierce knob is fully engaged. Replace with a new 12g CO2 cartridge.
Ammunition not firing	Cylinder not properly seated or empty.	Ensure the cylinder is fully closed and locked. Check if ammunition is loaded.
Trigger feels stiff	Lack of lubrication or internal debris.	Apply silicone oil to moving parts. If problem persists, contact customer support.

Specifications

Feature	Detail
Brand	Umarex
Model Name	Umarex T4E TR50 Revolver
Caliber	.50 Caliber
Rounds Capacity	6
Power Source	12g CO2 Cartridge (Non-threaded)
Action	Double Action (DA)
Barrel Material	Plastic
Frame Material	Plastic
Color	Gray
Energy	7.5 Joule
UPC	723364801822
Manufacturer	Valken Sports (for Umarex)
Item Package Dimensions	10 x 7 x 2 inches
Package Weight	2.2 Pounds

Warranty and Support

For warranty information, technical support, or to purchase replacement parts and accessories (such as Holster SKU V156037 or Magazine 2-Pack SKU V155960), please contact Umarex USA directly. Refer to the official Umarex website or product packaging for the most current contact details.
Always ensure you are using genuine Umarex parts and accessories to maintain product performance and safety.

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