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› Lancer Tactical LT-24 ProLine Series 12" M4 AEG Rifle User Manual

Lancer Tactical LT-24

Lancer Tactical LT-24 ProLine Series 12" M4 AEG Rifle User Manual

Model: LT-24 | Brand: Lancer Tactical

INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Lancer Tactical LT-24 ProLine Series 12" M4 AEG Rifle. This electric automatic rifle features a durable metal upper/lower receiver, buffer tube, and outer barrel, complemented by a nylon fiber stock and motor grip. It is designed for semi-automatic, full-automatic, and safety firing modes, delivering a muzzle velocity of 370 - 395 FPS with 0.20g BBs.

Key features include a built-in Lancer Fast Trigger and fire cutoff system MOSFET for electrical regulation and trigger contact protection, a quick-change spring system for rapid muzzle velocity adjustments, and low-resistance wiring. The rifle is equipped with an enhanced motor grip, a ball bearing spring guide, and a polished 6.03mm tight bore inner barrel for improved air seal and accuracy. The full metal Version 2 rear-wired gearbox offers easy battery access. It also features a 20mm top optic rail for accessories, an enlarged trigger guard, and a one-piece outer barrel for stability. The upgraded gearbox includes an 18:1 steel gear set and a high-speed motor, along with a 120-round mid-cap magazine and an improved crane stock with a rubberized butt pad and double-sided sling mount.



Figure 1: Front view of the Lancer Tactical LT-24 ProLine Series M4 AEG Rifle, showcasing its black finish and tactical design.

SETUP

1. Battery Installation

The LT-24 utilizes a 7.4v or 11.1v LiPo Nunchuck battery (not included). The gearbox is rear-wired, providing easy access for battery installation. Ensure the rifle is in "SAFE" mode before proceeding.

1. Locate the battery compartment, typically within the crane stock.
2. Carefully connect the battery to the rifle's connector, ensuring correct polarity.
3. Tuck the battery and wires neatly into the compartment to avoid pinching.
4. Close the stock or compartment cover securely.

2. Magazine Loading

The rifle comes with a 120-round mid-cap magazine. Mid-cap magazines typically require a speed loader (sold separately) to load BBs efficiently.

1. Ensure you are using high-quality 6mm airsoft BBs, preferably 0.20g or heavier for optimal performance.
2. Insert the nozzle of a speed loader into the magazine's BB loading port.
3. Press the speed loader's plunger repeatedly until the magazine is full. Do not overfill.
4. Insert the loaded magazine firmly into the rifle's magazine well until it clicks into place.



Figure 2: Side view of the rifle, highlighting the magazine and receiver area.

3. Hop-Up Adjustment

The LT-24 features an adjustable rotary-style hop-up system to fine-tune BB trajectory. Adjusting the hop-up applies backspin to the BB, increasing its range and accuracy.

1. Locate the hop-up unit, typically accessed by pulling back the charging handle.
2. Adjust the rotary dial incrementally. Turning it one way increases hop (BB flies higher), and the other way decreases hop (BB flies lower).
3. Test fire to observe BB flight path and adjust as needed for desired trajectory.

4. Sight Installation (Optional)

The rifle is equipped with a 20mm top optic rail for mounting scopes, sights, and magnifiers. While basic sights may be included, upgrading to a red dot sight or scope is recommended for enhanced accuracy and usability.

1. Align your chosen optic with the 20mm rail.
2. Secure the optic using its mounting screws or levers. Ensure it is firmly attached to prevent movement during use.
3. Zero the optic according to its specific instructions and your preferred shooting distance.

OPERATING INSTRUCTIONS

1. Safety Precautions

Always treat your airsoft rifle as if it were a real firearm. Adhere to all local laws and regulations regarding airsoft use. Always wear appropriate eye protection (ANSI Z87.1 rated) when operating or near airsoft guns. Never point the rifle at anything you do not intend to shoot. Keep your finger off the trigger until ready to fire. Always engage the safety when not actively shooting.

2. Firing Modes

The LT-24 features a selector switch for different firing modes:

- **SAFE:** Engages the safety mechanism, preventing accidental firing. Always set to SAFE when not in use.
- **SEMI-AUTOMATIC:** Fires one BB per trigger pull.
- **FULL-AUTOMATIC:** Fires continuously as long as the trigger is held down.



Figure 3: Close-up view of the rifle's receiver, showing the selector switch for firing modes.

3. Firing the Rifle

1. Ensure the battery is charged and installed, and the magazine is loaded and inserted.
2. Point the rifle in a safe direction.
3. Move the selector switch from "SAFE" to "SEMI" or "AUTO".
4. Aim at your target and gently pull the trigger.
5. When finished, return the selector switch to "SAFE" and remove the magazine.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your LT-24 rifle.

1. Barrel Cleaning

The 6.03mm tight bore inner barrel benefits from regular cleaning to maintain accuracy and prevent jams.

1. Use a cleaning rod with a small piece of lint-free cloth or paper towel.
2. Apply a small amount of silicone oil (specifically for airsoft) to the cloth. Do NOT use petroleum-based lubricants.
3. Gently push the cleaning rod through the barrel from the muzzle end towards the hop-up unit.
4. Repeat until the cloth comes out clean.

2. Gearbox and Internal Components

The full metal Version 2 gearbox is robust, but periodic inspection and lubrication by a qualified technician are recommended for heavy users. The quick-change spring system allows for easy muzzle velocity adjustments, but this should only be performed by experienced users or technicians.

3. General Care and Storage

- Keep the rifle clean and free from dirt, dust, and moisture.
- Store the rifle in a cool, dry place, away from direct sunlight and extreme temperatures.
- Always remove the battery when storing the rifle for extended periods.
- Transport the rifle in a gun bag or case to protect it and comply with local regulations.



Figure 4: Angled view of the rifle, showing its overall construction and rail system.

TROUBLESHOOTING

This section addresses common issues you might encounter with your LT-24 rifle.

1. Rifle Not Firing / Low Power

- **Check Battery:** Ensure the battery is fully charged and properly connected. Test with a known good battery if possible.
- **Safety Engaged:** Verify the selector switch is not on "SAFE".
- **Magazine Issues:** Ensure the magazine is fully inserted and BBs are loaded correctly. For mid-caps, ensure BBs are feeding properly.
- **Motor Height:** If you hear a grinding noise, the motor height might need adjustment. This is typically done via a screw at the bottom of the motor grip. Consult a technician if unsure.

2. Misfires / BB Jams

- **BB Quality:** Use high-quality, seamless BBs. Poor quality or dirty BBs are a common cause of jams.

- **Barrel Cleanliness:** A dirty inner barrel can cause misfeeds. Clean the barrel as described in the Maintenance section.
- **Hop-Up Adjustment:** Incorrect hop-up settings can cause BBs to jam or fly erratically. Adjust the hop-up incrementally.
- **Magazine Issues:** A faulty magazine spring or feeding mechanism can cause misfires. Try a different magazine if available.

3. Inaccurate Shots

- **Hop-Up Adjustment:** Fine-tune the hop-up for optimal range and accuracy with your chosen BB weight.
- **BB Weight:** Experiment with different BB weights (e.g., 0.25g, 0.28g) to find what performs best with your rifle and desired FPS.
- **Barrel Cleanliness:** A clean barrel is crucial for accuracy.
- **Sights/Optics:** Ensure your sights or optics are properly zeroed and securely mounted.

SPECIFICATIONS

Manufacturer	Lancer Tactical
Model Name	LT-24
Operation	Electric Automatic (AEG)
Build Material	Metal Upper/Lower Receiver, Buffer Tube, Outer Barrel; Nylon Fiber Stock, Motor Grip
Firing Modes	Semi-Automatic, Full-Automatic, Safety
Muzzle Velocity	370 - 395 FPS (with 0.20g BBs)
Gearbox	Full Metal Version 2, Rear-Wired
Battery Type (Recommended)	7.4v or 11.1v LiPo Nunchuck (Not Included)
Magazine Capacity	120 Round Mid Cap
Hop-Up	Yes, Adjustable (Rotary Style)
Inner Barrel Diameter	6.03mm (Tightbore)
Inner Barrel Length	300mm
Color	Black
Package Dimensions	34.25 x 12 x 3.75 inches
Package Weight	3.97 Kilograms



Figure 5: Rear view of the rifle, showing the adjustable crane stock and sling mount.

WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation included with your purchase or contact Lancer Tactical directly. Lancer Tactical offers various protection plans for their products, which may be available for purchase separately to extend coverage beyond the standard manufacturer's warranty.

For technical support, parts, or service inquiries, please visit the official Lancer Tactical website or contact their customer service department. Always provide your model number (LT-24) and purchase details when seeking support.

Lancer Tactical Official Website: www.lancertactical.com

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