

EMERBU AK105

EMERBU Pro-Grade AK105 Gel Splatter Ball Blaster Instruction Manual

Model: AK105

1. INTRODUCTION

Thank you for choosing the EMERBU Pro-Grade AK105 Gel Splatter Ball Blaster. This high-performance blaster features a durable metal and nylon body, an 11.1V high-power system, a robust metal gearset, and a high-speed motor for an enhanced experience. This manual provides essential information for safe setup, operation, and maintenance.

2. SAFETY INFORMATION

- **Age Restriction:** This product is intended for users **15 years old and up, and adults**.
- **Eye Protection:** Always wear the provided safety glasses or other appropriate eye protection when operating the blaster.
- **Proper Ammunition:** Use only hardened gel balls specifically designed for gel blasters. Using incorrect ammunition may damage the blaster or cause injury.
- **Never aim at eyes or face.**
- **Do not modify the blaster** in any way that could increase its power or alter its intended function.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- EMERBU Pro-Grade AK105 Gel Splatter Ball Blaster
- Motorized Magazine
- 11.1V Rechargeable Battery
- USB Charging Cable
- Hardened Gel Balls (starter pack)
- Safety Glasses

- Orange Flash Hider
- Flip-down Sights
- Small Screwdriver (for sights)

4. SETUP

4.1 Gel Ball Preparation

Proper gel ball preparation is crucial for optimal performance and to prevent damage to your blaster.

1. Place the hardened gel balls in a container with plenty of water.
2. Allow them to soak for at least 4 hours, or until they reach approximately 7-8mm in diameter.
3. Drain any excess water thoroughly before loading them into the magazine. Excess water can seriously affect trajectory.



Figure 1: Performance metrics and important note on gel ball preparation. Ensure gel balls are properly drained to maintain trajectory.

4.2 Battery Charging

The AK105 uses an 11.1V rechargeable battery. Always ensure the battery is fully charged before use.

1. Connect the 11.1V battery to the provided USB charging cable.
2. Plug the USB cable into a compatible AC adapter (not included).
3. Charge the battery for approximately 2-3 hours, or until the indicator light on the charger signals a full charge.

4.3 Blaster Assembly

The blaster comes mostly pre-assembled. Follow these steps for final setup:

1. **Attach the Stock:** The stock is foldable. To attach, align the stock with the rear of the blaster body and push it into place until it clicks securely.
2. **Connect the Battery:** Open the battery compartment (usually located in the stock or upper receiver). Connect the fully charged 11.1V battery. Carefully tuck the wires and battery into the compartment and close it.
3. **Attach Flash Hider/Tracer:** The barrel features 14mm counter-clockwise (CCW) threads. Attach the orange flash hider by twisting it counter-clockwise onto the barrel. You may also attach compatible tracers or other accessories.
4. **Install Flip-Down Sights:** Use the provided screwdriver to attach the flip-down sights to the rail on the top of the blaster.



Figure 2: Fully assembled EMERBU AK105 Gel Splatter Ball Blaster.



Figure 3: Internal components and upgrades of the AK105 blaster.

4.4 Loading the Magazine

The AK105 features a high-speed electric magazine.

1. Open the loading port on the top of the magazine.
2. Carefully pour the prepared and drained gel balls into the magazine.
3. Close the loading port securely.
4. Insert the loaded magazine into the blaster's magazine well until it clicks into place.

Video 1: EMERBU AK105 Gel Ball Blaster Setup, Tips, and Tricks. This video demonstrates the assembly process, including battery installation and magazine loading.

5. OPERATING INSTRUCTIONS

5.1 Priming the Blaster

Before firing, ensure the feed tube is filled with gel balls.

- With the loaded magazine inserted, pull the charging handle (located on the side of the blaster) back and release it. This activates the magazine's motor to feed gel balls into the firing mechanism.

5.2 Firing Modes

The AK105 offers multiple firing modes:

- **Safety Mode:** Engage the safety switch to prevent accidental firing.
- **Semi-Automatic Mode:** Select semi-auto for single shots with each trigger pull.
- **Full-Automatic Mode:** Select full-auto for continuous firing while the trigger is held.
- **Blowback Simulation:** The blaster features a realistic blowback simulation during firing.

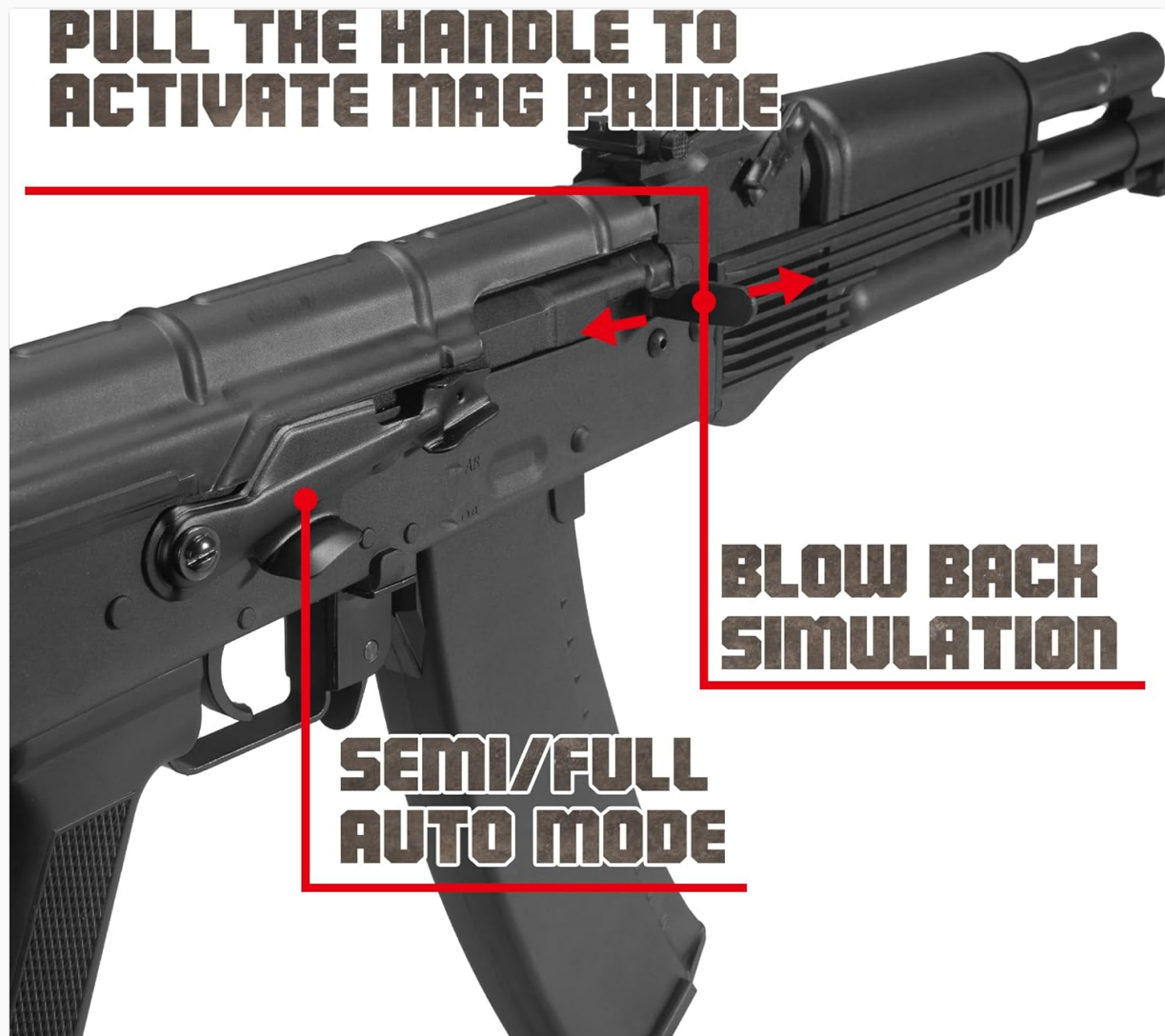


Figure 4: Controls for mag prime, blowback, and firing mode selection.

5.3 Performance

The EMERBU AK105 is designed for high performance:

- **Velocity:** Approximately 280 Feet Per Second (FPS)
- **Rate of Fire:** Approximately 15 Rounds Per Second (RPS)
- **Effective Range:** Up to 100 Feet

Video 2: EMERBU AK105 Gel Ball Blaster in Action. This video demonstrates the blaster's firing capabilities and performance.

6. MAINTENANCE

- **Gel Ball Storage:** Store unhydrated gel balls in a cool, dry place. Store hydrated gel balls in an airtight container, submerged in water, to prevent dehydration.

- **Battery Care:** Always fully charge the battery after each use and before long-term storage. Do not overcharge or completely drain the battery.
- **Cleaning:** Keep the blaster clean and free of debris. Use a soft, dry cloth to wipe down the exterior. Avoid getting water inside electronic components.

7. TROUBLESHOOTING

- **Blaster Not Firing:**
 - Ensure the battery is fully charged and properly connected.
 - Check if the safety switch is disengaged.
 - Verify that the magazine is correctly inserted and gel balls are loaded.
 - Perform the priming action to ensure gel balls are fed into the firing mechanism.
- **Inconsistent Firing/Poor Trajectory:**
 - Ensure gel balls are properly hydrated and all excess water has been drained.
 - Only use hardened gel balls. Soft or generic gel balls may cause feeding issues or damage.
- **Blaster Stops Working:**
 - This blaster is designed for hardened gel balls. Using softer gel balls can cause internal damage.
 - If issues persist, contact customer support.

8. SPECIFICATIONS

- **Model:** AK105
- **Brand:** EMERBU
- **Product Dimensions:** 39 x 10.5 x 3 inches
- **Item Weight:** 4 pounds
- **Manufacturer Recommended Age:** 16 years and up
- **Internal Components:** M85 Spring, Metal Gearset, 11.1V Rechargeable Battery, High Speed 480 Short Axis Motor, High Speed Electric Mag, 7.3mm Inner Diameter Metal Inner Barrel



WEIGHT: 4 LB



Figure 5: Dimensions and weight of the AK105 blaster.

9. WARRANTY AND SUPPORT

For any warranty claims, technical support, or further inquiries, please contact the seller directly through your purchase platform. Please retain your proof of purchase for any warranty-related requests.