



**RIFLE  
DYNAMICS**

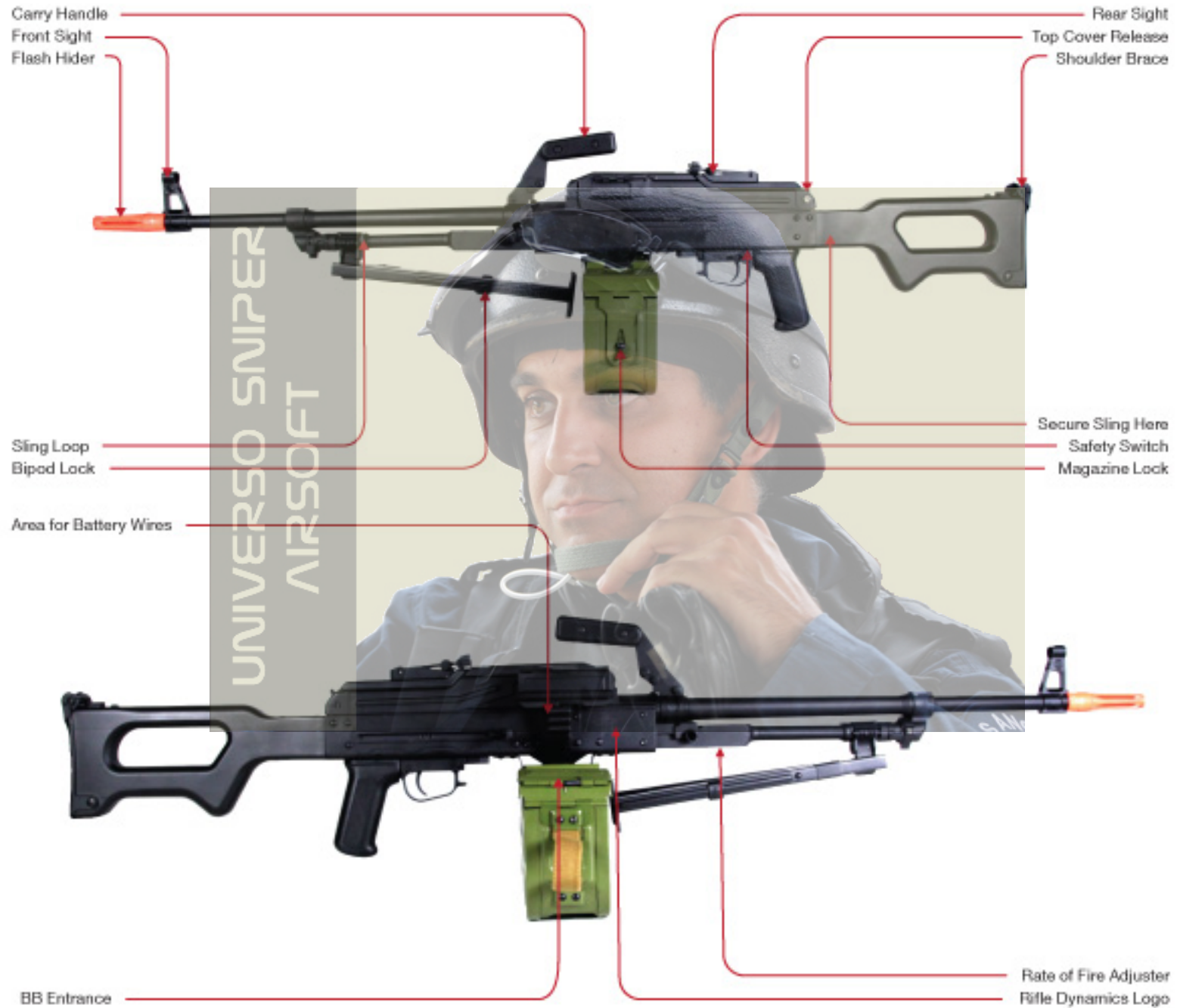
UNIVERSO SNIPER  
AIRSOFT  
H★M★G

**Instruction Manual**



BEFORE USING THIS PRODUCT, CAREFULLY READ THROUGH MANUAL AND RETAIN IT FOR FUTURE REFERENCE. ECHO1USA AUTOMATIC ELECTRIC GUNS ARE INTENDED FOR AGES 18 AND ABOVE. THIS PRODUCT MAY CAUSE SERIOUS INJURY IS MISUSED. FULL FACE PROTECTION IS REQUIRED.

# Parts of the Gun



# Rifle Dynamics HMG



Before using this product, carefully read through manual and retain it for future reference. Echo1USA automatic electric guns are intended for ages 18 and above. This product may cause serious injury if misused. Full face protection is required.

## Specifications

Weight	17lbs
Barrel Length	509 mm
Overall Length	47in
Barrel Caliber	6.06 mm
Ammo Capacity	5000rounds
BB Size	6 mm
Feet Per Second	420 fps
Battery Type	9.6v mini battery

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# Fire Selection



**SAFE:**  
Trigger is secure and cannot fire

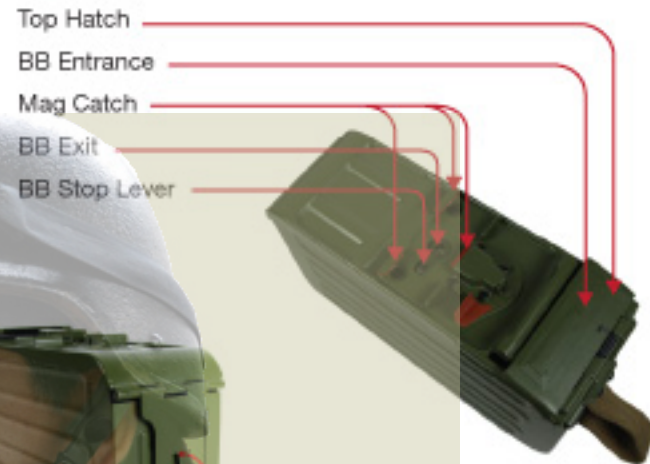


**AUTO:**  
Gun will fire automatically while trigger is pulled



# How to use the Magazine

Avoid getting dirt and debris into the magazine this can cause it to malfunction. Only use Echo1USA BBs into your Echo1USA Airsoft Rifle. The use of .12g or 'low grade' BBs will damage your Airsoft Rifle and VOID the warranty.



To open for faster loading turn the knob up.

Small plug used to power the magazine



## OPERATIONAL TIPS:

Faster and Slower buttons alter the Rate of Fire of the gun. Do not place on the slowest setting with draining battery or 'Lock-Up' may occur. L-M-S switch is a back up unit and not really needed. Plans for future upgrades.

You have a decent sized compartment to hold 5000 Echo1 BBs and a Lipo #2. You can use most batteries, but that will reduce BB storage. You have an optional switch and jack for loading controls, but keep the switch in the middle for the trigger/auto function.



# Quick Spring Change

# Steel Bipod

The HMG offers a quick change system so you can play on many fields and be fully compliant with the FPS regulations.

*Expert Use Only*



Step 1: To change the spring, you will need to remove the two highlighted screws

Step 2: Gently slide the gray gearbox shell back and lift up.

Step 3: Make sure the spring is mostly forward in the gearbox, then press in on the back of the spring guide and pull back on the highlighted latch. The metal spring guide will slide out.

The Bipod Lock will hold the legs of the bipod together.

You have the option of folding the bipod forward or backwards. Close the legs and pivot either way.

## **OPERATIONAL TIP:**

Causing damage to the gun during these steps is not covered under the warranty. Suggested Springs: M90-M130

# Battery Charging

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Charge the battery for 3 hours for the first time. When charging, have the battery away from ALL COMBUSTIBLE MATERIALS and on a cool, hard surface. If battery becomes HOT, remove and let it COOL before use. When cycle rate becomes slow, STOP shooting and remove the magazine. Shoot 2 times in SEMI to clear the gun, remove the battery and recharge.

Basic Charge Time:

Battery: 1200 mAh / Charger: 300mAh = Estimated Charge Time: 4 Hours

## Battery Installation



The mini battery is housed in the small side compartment next to the magazine power plug. You are able to use Echo1 lipo#2 or any other batteries. You will have both wires plugged in and going through the small trap door.

## Hop Up Unit Adjustment

The Hop Up Unit adds a back spin to the BB to allow a longer flight path. Before use, please do so in a safe location and make sure nobody is behind the target. When using different weight BBs, you will have to make adjustments. When not in use, please turn the Hop Up Unit off.



Step 1: To access the Hop Up Unit, press the Top Cover Release.

Step 2: Turn the notched wheel to add more hop up if needed.

Step 3: Once the desired range is found you can close the top cover.

## Hop Up Unit Cleaning

How to clean the inner barrel:

Turn Hop Up Unit OFF - Disconnect Battery - Remove Magazine



Cut the cloth or paper towel in the size as shown above. Fold the material to fit through the loop. Adjust the length of the material to smoothly enter the barrel, otherwise too much material will get jammed in the inner barrel and can cause the hop up bucking to move out of place.

1. Spray silicone oil into the hop up chamber from the waggwell for 1 sec. and fire 10-15 BBs to oil inner barrel and hop up parts.
2. Fire 2 shots with magazine removed to clear gun of BBs and disconnect battery.
3. With a twisting motion gently push the cloth and rod down the barrel.

Repeat 2-3 times until clean

### NOTE:

You can apply silicone oil directly to the cloth as well. If there is too much oil in the barrel, the BB trajectory will be unstable. Only use Echo1USA BBs in your Echo1USA Airsoft Rifle. The use of .12g or 'low grade' BBs will damage your Airsoft Rifle and VOID the warranty.

How to unjam the gun:

Turn Hop Up Unit OFF - Disconnect Battery - Remove Magazine



1. Use the Angled end of the cleaning rod to push the BB backwards and out through the Hop Up Unit.
2. Make sure to have the angled end facing down and silicone oil will help loosen the BB.

**NOTE:** If you continue to fire the gun with a jam you will cause more damage.