



**TROY™**

**MRF** *SERIES*

UNIVERSAL  
AIRSOFT

**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.

# The TROY Series



Before using this product, carefully read though 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.

Specifications	MRF-MX	MRF-C	MRF-S
Weight	5.5 lbs	5.5 lbs	4.5 lbs
Barrel Length	363 mm	247 mm	120 mm
Overall Length	900/1000mm	685/785mm	570/670mm
Barrel Caliber	6.06 mm	6.06 mm	6.06 mm
Ammo Capacity	300 rounds	300 rounds	300 rounds
BB Size	6 mm	6 mm	6 mm
Feet Per Second	400+ fps	400+ fps	380 fps
Battery Type	9.6v Crane Type	9.6v Crane Type	9.6v Crane Type

# Parts of the Gun

Charging Handle

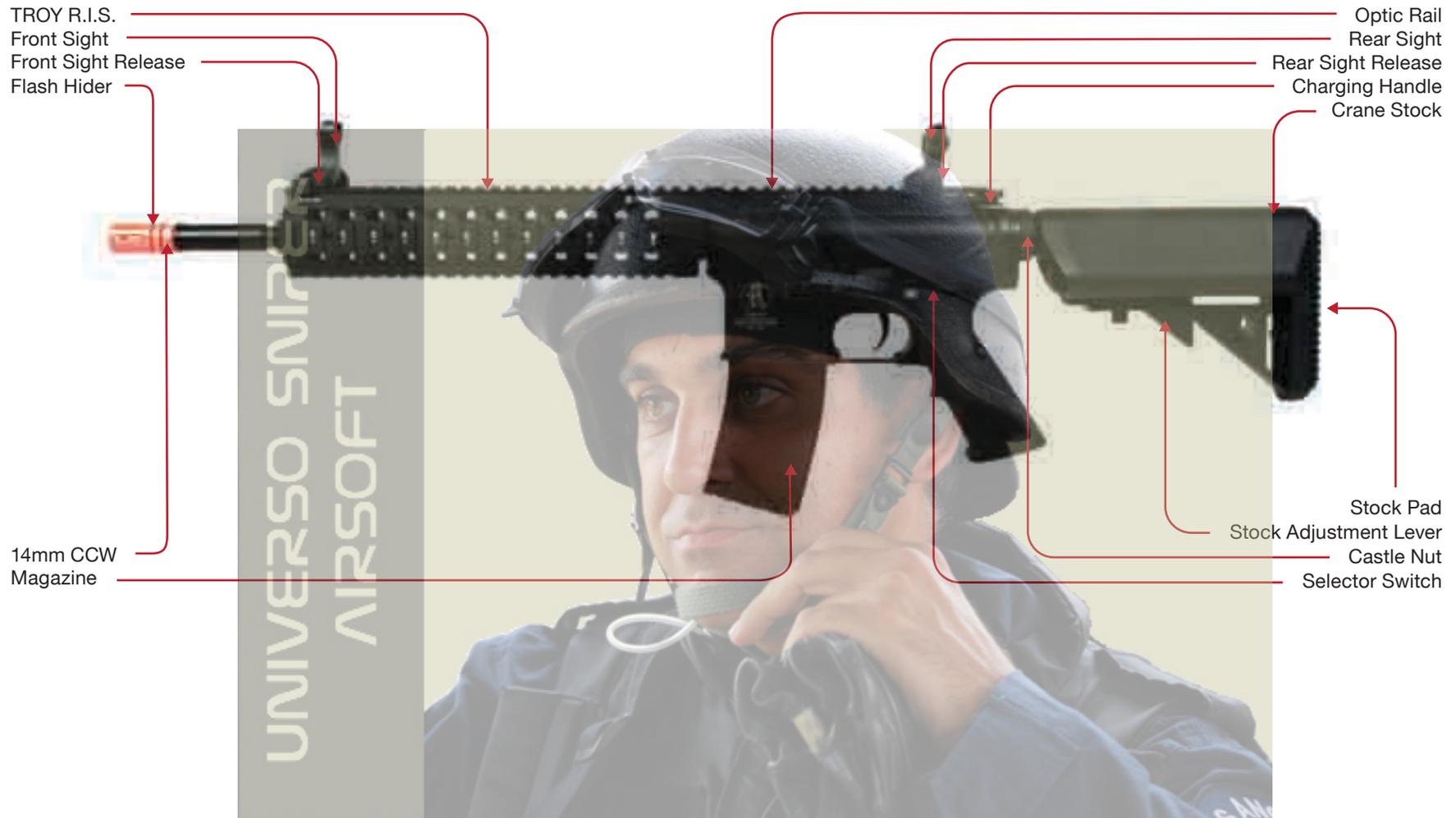
Outer Barrel



Stock Adjustment Lever  
Magazine Release

Hop Up Unit  
Dust Cover

# Parts of the Gun





# Ambi Fire Selection

# How to use the Magazine



## SAFE:

Trigger is secure and cannot fire



## SEMI:

With one trigger pull one BB is fired



## AUTO:

Gun will fire automatically while trigger is pulled

## Operational Tips:

If the trigger is stuck or jammed in SEMI mode please select AUTO and fire several times to reset the cut off lever. Low battery power can cause this jam.

The Fire Selectors will move with ease. Forcing the Fire Selectors may cause damage.

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.

1. Press the magazine release to remove the magazine from the gun.

Mag Catch

BB Entrance

Top Hatch

BB Stop Lever

BB Exit

Magazine Wheel

2. Open the Top Hatch and load BBs. About 300 BBs can be loaded. Do not force the BBs into the magazine

3. Close the Top Hatch.

4. Hold the Mag with the BB Top Hatch facing up and turn the Mag Wheel. You will see a BB move to the BB Exit and stop. Once a BB has reached the BB Exit continue to turn the Mag Wheel for approximately 15 more turns.

## Operation Tips:

Use caution when mag seems empty.

There are about 30 BBs left in the loading tube even after mag is out of BBs.

Turn the Mag Wheel 7-10 times for every 30-50 BBs fired.

Turning the Mag Wheel may cause damage.

For storage pull back on the BB Stop Lever to release the remaining BBs and ensure proper operation for next use.

If the mag is not feeding correctly please apply silicone oil to the Mag Wheel and into the BB Entrance to lubricate the moving parts.

# 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 pull back the Charging Handle. The Charging Handle has a latch on the left side. Please be gentle when pulling back.



**Step 2.** Hold the Charging Handle back to open the Hop Up area and make adjustments.

**Step 3.** To adjust the hop up unit you will have to turn the wheel. Turning UP will add more hop up effect and turning DOWN will turn the hop up unit off. Once you find the best setting you can release the charging handle.

# 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 get 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 barrel the BB trajectory will be unstable

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.

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.

