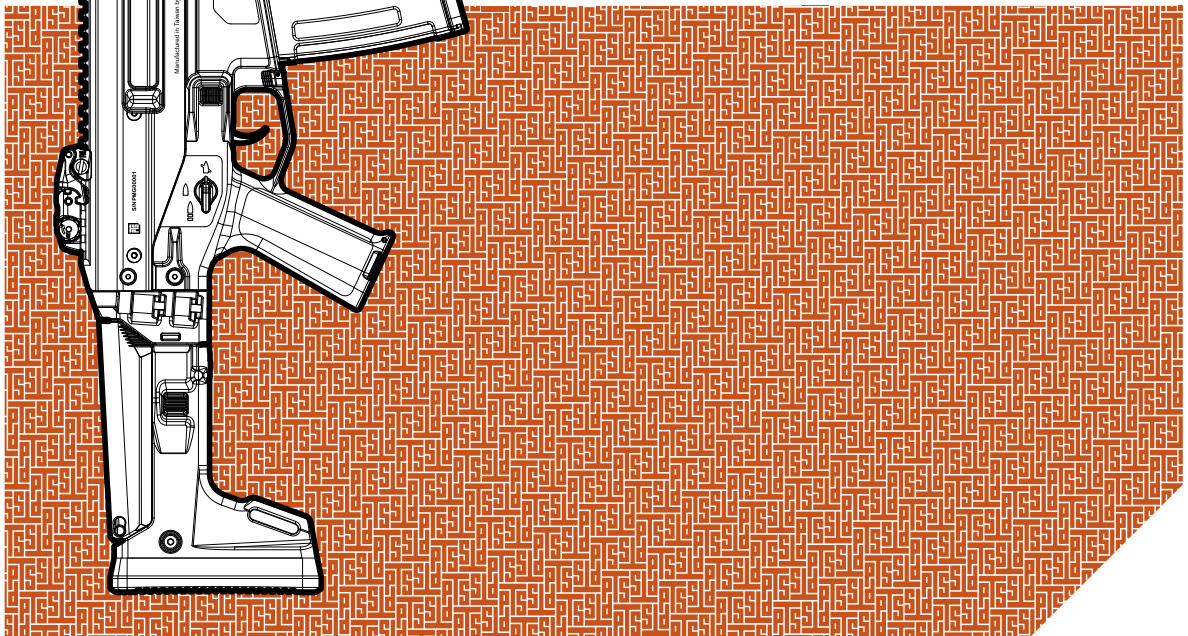




**PROFESSIONAL
TRAINING &
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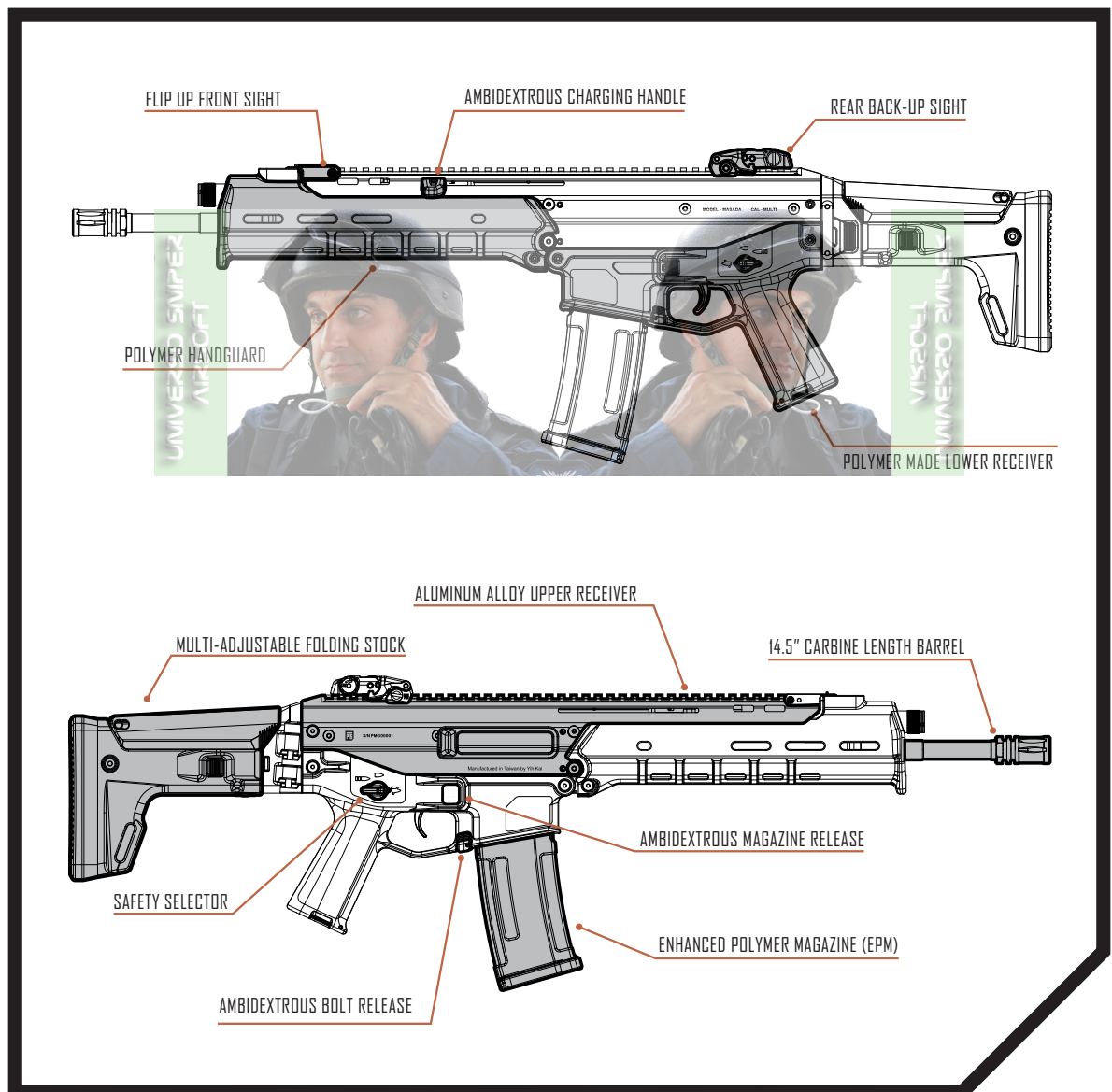
MASADA GBB

Instruction Manual



CORE FEATURES

- Tool-less quick-change barrel system.
- CNC machined upper receiver (serialized) is made from aluminum.
- Milled into the top of the receiver is a 37 slot, continuous, military specification 1913 rail for mounting optics.
- Built in, flip-up front sight compatible with standard Airsoft M4/M16 rear sights.
- Lower receiver made from high quality reinforced polymer.
- Fully ambidextrous controls include the fire selector, magazine release and bolt release / bolt lock-back.
- Optional rail mounting points are integrated on both the short and long versions of the polymer hand-guard at the 3, 6, and 9 o'clock positions.
- Multi-adjustable folding stock can be easily exchanged with other PTS Masada compatible stocks (sold separately) to adapt to changing mission requirements.
- 14.5" Carbine length barrel.



SAFETY INSTRUCTIONS AND HANDLING

You should be fully familiar with the proper and safe handling of your airsoft gun. The basic principles of gun safety require you to always apply the following rules when handling airsoft guns:

- Always treat an airsoft gun as if it were loaded.
- Always set the safety selector on an airsoft gun to “SAFE” when loading it so that there can be no risk of an unintentional discharge.
- Keep your finger off the trigger and outside the trigger guard until you are ready to shoot.
- Always keep the muzzle pointed in a safe direction.
- Never aim your airsoft gun at persons, animals or property. To avoid ricochets, never fire at smooth, hard surfaces or water.
- Before you discharge your airsoft gun, make sure that the target and surrounding area is safe. Always be aware of your target’s foreground and background.
- Proper eye protection should always be worn when firing an airsoft gun.
- Always store your airsoft gun in a safe place, in an unloaded condition and out of reach from children.
- This airsoft gun (along with its operating instructions) may only be handed over to persons who have reached the age of 18 (or older) and who are fully familiar with the handling of it.
- Modifications and/or repairs to the airsoft gun should only be completed by authorized agencies or by a skilled gunsmith.
- Never leave a loaded airsoft gun unattended.
- Only an unloaded airsoft gun is to be handed over to another person.

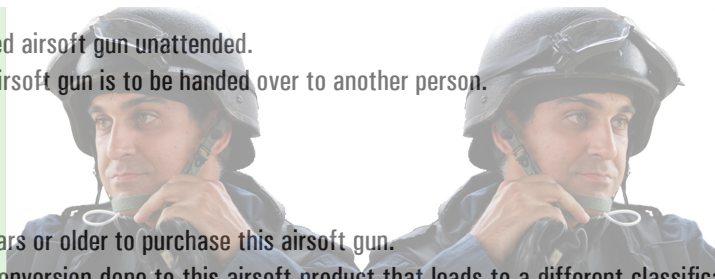
CAUTION

- You must be 18 years or older to purchase this airsoft gun.
- Any alteration or conversion done to this airsoft product that leads to a different classification of the airsoft gun/weapon in regards to the applicable firearms legislation may render it illegal. If these circumstances occur, the manufacturer’s warranty becomes immediately null and void.

WARNING

- Do not brandish or display this airsoft product in public - it may confuse people and may be a crime in your area. Police and others may view it as a firearm and they may react under that assumption.
- Do not change the coloration and markings to make it look like a real firearm. That is dangerous and may be a crime.
- Observe safe firearm handling practices at all times. Failure to do so may result in serious bodily injury or death.
- PTS is not responsible for injury, death or property damage resulting from faulty installation, misuse, illegal use, or modification of this product.
- PTS products feature design modification and/or material construction that renders them incompatible with real firearms.
- DO NOT attempt to install, modify, or otherwise adapt PTS products for use on real firearms, as damage to the weapon and/or serious personal injury may occur.

PTSAIRSOFT



PTSAIRSOFT



CHARGING GAS

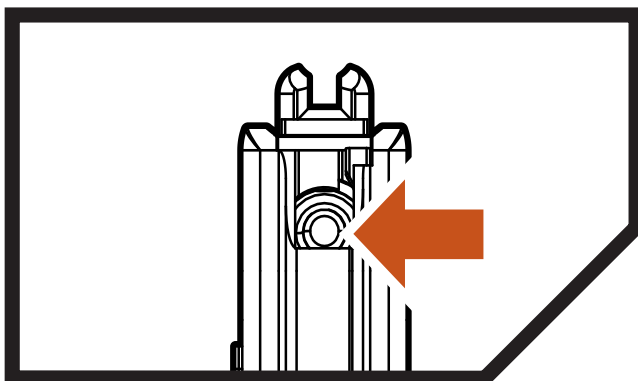
The PTS Masada GBBR uses green gas (sold separately) to propel the BB projectiles. The green gas is stored within each magazine which should be charged between each use.

1. Release the magazine by pressing the magazine catch button.
2. With the magazine in the inverted position push the green gas canister nozzle into the magazine's charging valve at the base of the magazine. (Make sure both the canister and magazine are inverted and inline in the vertical position when charging).
3. Charge the magazine for approximately 30-40 seconds.

WARNING: Avoid dropping the magazine. A sudden impact with a hard surface may damage the magazine.

Note: It is normal to have minor leaking from the charging valve during gas charging due to high pressure built up inside the magazine. It is recommended to keep the gas release valve slightly oiled (only use silicone oil based lubricant). Room temperature is the ideal temperature for shooting. You may experience a delayed action if the surrounding temperature drops below 20°C (68°F).

Note: Do not expose the magazine to direct sunlight or incinerate the magazine, as this may cause the magazine to burst. It is strongly recommended to empty the gas from the magazine after shooting. Be certain that the gas does not make contact with eyes or skin while being released, as any contact will cause cold burns.



DISCHARGE GAS

Hold the lower half of the magazine. Make sure the magazine release valve at the top of the magazine is faced away from your face and skin. Press the release valve at the rear top of the magazine. Residual gas will be discharged.

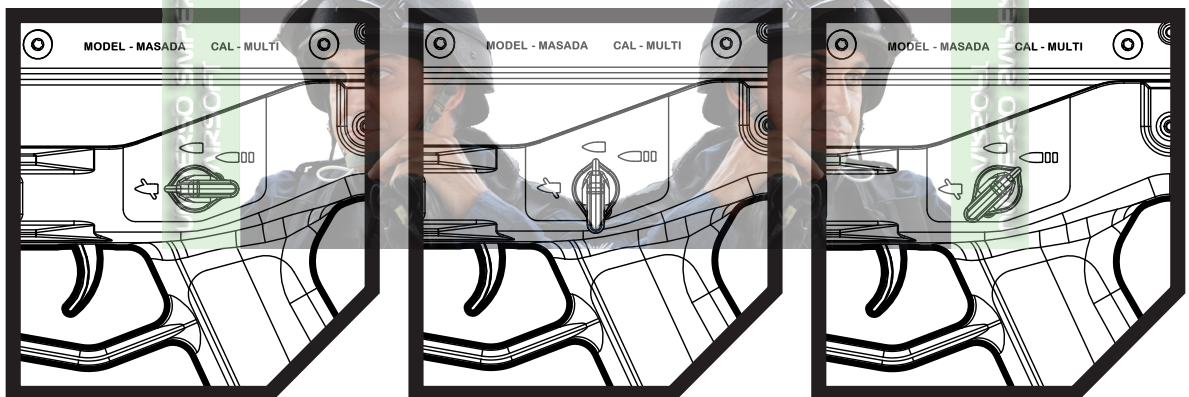
GREEN GAS SAFETY TIPS

- Check the gas canister for any cracks or leaks before using.
- Do not expose the gas canister to temperatures over 40°C (104°F).
- Do not place the gas canister directly over fire.
- Do not heat the gas canister.
- Keep the gas canister out of direct sunlight.
- Do not leave the gas canister in any type of vehicle.

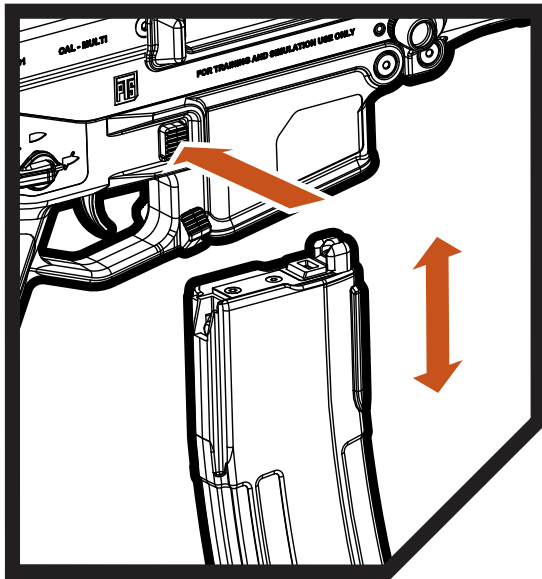
BASIC GUN SAFETY TIPS

- Always treat the Airsoft gun as if it is loaded regardless of its actual loaded condition.
- Keep the Airsoft gun pointed in a safe direction.
- Keep your finger straight, off the trigger and outside the trigger guard until you've made the decision to shoot.
- Always be sure of your target, what is between you and the target, and what is beyond the target.
- Do not store the Airsoft gun with a loaded magazine.
- Handle the Airsoft gun responsibly.

FIRE CONTROL SETTINGS



The PTS Masada GBBR has three fire control settings: Safe (the gun cannot be fired), Semi-Automatic (the gun will fire once per trigger pull), and Fully Automatic (the gun will continue to fire while the trigger is depressed or until the ammunition is exhausted).



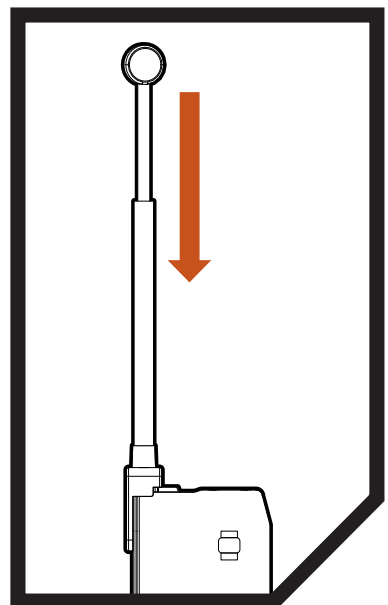
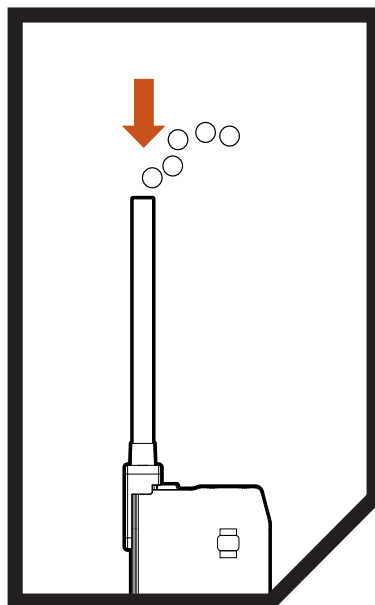
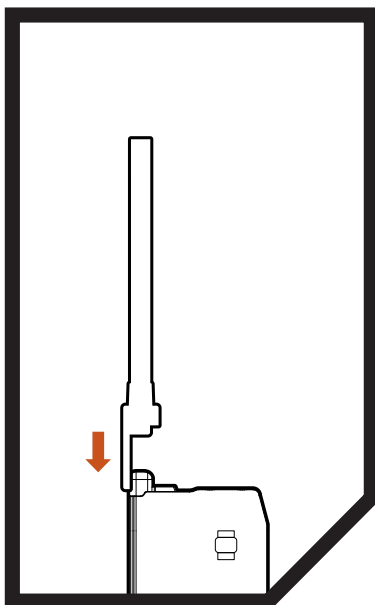
LOADING AND UNLOADING THE MAGAZINE

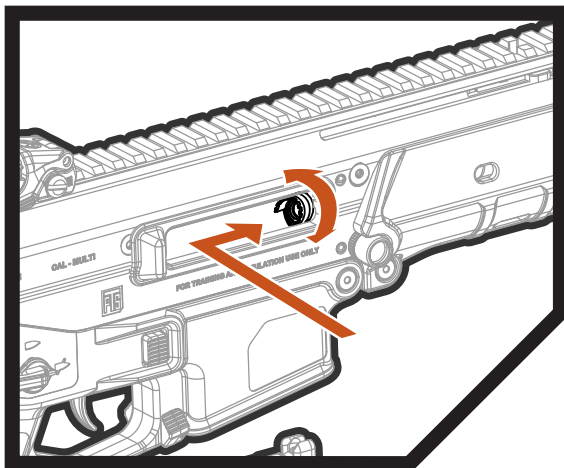
Insert the magazine into the magazine well of the lower receiver. When the magazine is fully seated, the magazine catch will lock the magazine in place.

- Give the magazine a light downward tug to ensure it is securely locked in.
- Pull the charging handle back and then release it to chamber the first round.
- If the bolt is locked back, it can be released by pulling back the charging handle, or by pressing the ambidextrous bolt catch release buttons located at the front of the trigger guard.
- Depressing the magazine release button on either the left or right side of the PTS Masada GBBR releases the magazine which can then be removed from the gun.
- The PTS Masada GBBR is compatible with all LM4 type GBBR magazines manufactured by KWA.

LOADING THE AIRSOFT MAGAZINE

- Fit the included BB loader over the magazine feed lips.
- Load the 6mm Airsoft BBs into the BB loader's BB tube.
- Insert the plunger rod into the top of the BB loader and push down to load BBs into the magazine.
- Use only high quality 6mm Airsoft BB pellets (0.2g or heavier) with your PTS Masada GBBR.
- Never reuse BBs or use low quality BBs to prevent damage to your gun.
- Never overload BBs into the magazine.



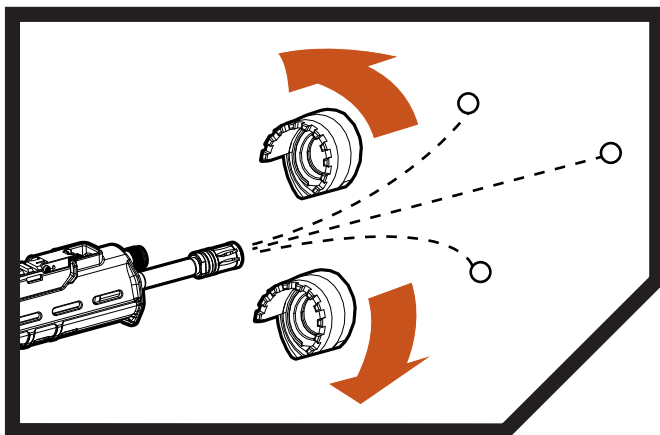


HOP-UP SYSTEM

The Hop-Up device is a standard feature on all PTS GBBR series products, giving Airsoft BBs greater stability, further travel, and increased accuracy. Airsoft BBs are light-weight projectiles and can be affected by wind when fired. Since the inner barrel on Airsoft guns do not use traditional rifling, the Hop-Up device is used to apply backspin onto the BBs as they are shot to counteract the effects of wind and gravity. With the Hop-Up system, the trajectory of the Airsoft BBs can be adjusted according to the shooting environment or surroundings.

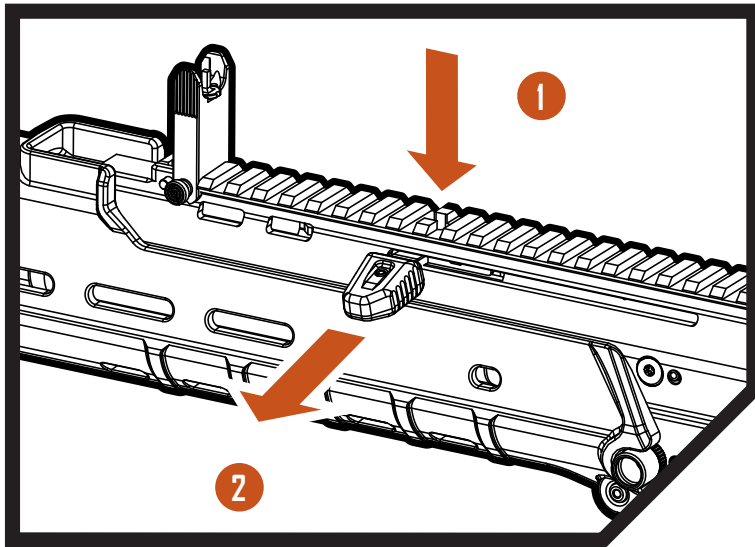
HOP-UP ADJUSTMENT

- Test fire the gun in a safe direction to determine the amount of hop-up needed (the amount of backspin that needs to be applied). Different weight BBs may need different amounts of hop-up.
- Remove the magazine from the gun.
- The hop-up unit is accessible via the PTS Masada GBBR's shell ejection port. Pull back the charging handle and press up on the ambidextrous bolt catch lever to lock the bolt carrier assembly to the rear.
- The hop-up unit adjustment ring is located within the barrel chamber.
- Insert the hop-up adjustment wrench into the chamber.
- Turn the adjustment ring to the left (counter-clockwise) to give the BB more hop-up.
- If the BBs are climbing too high, turn the adjustment ring to the right (clockwise) to reduce the hop-up.
- Test fire the gun in a safe direction and adjust as needed for optimal performance.
- The ideal setting has been achieved when the rounds fired maintain a relatively flat trajectory, essentially a "sweet spot" between too much and too little hop-up. Keep in mind that hop-up settings will vary from one ammo weight to another (e.g. 0.2 gram BBs versus 0.3 gram BBs). If the hop-up has been adjusted for ideal shot trajectory with a certain weight BB, changing the weight of the BB may require adjustment of the hop-up setting.



WARNING:

Do not release the bolt with the wrench still in the chamber. It can damage the hop-up device and chamber components. Do not over torque the hop-up adjustment wrench. Doing so may damage the hop-up cylinder.

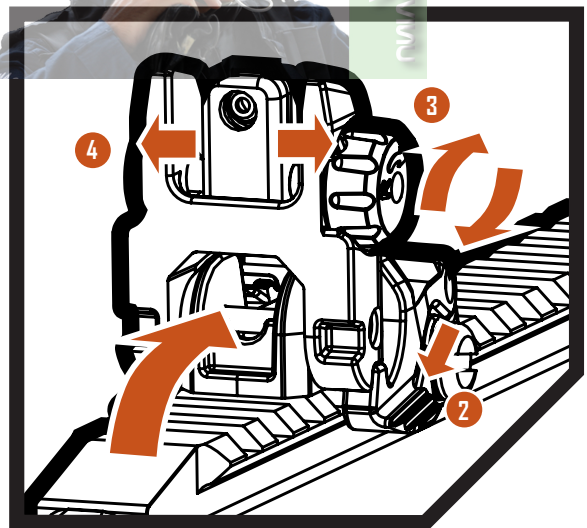
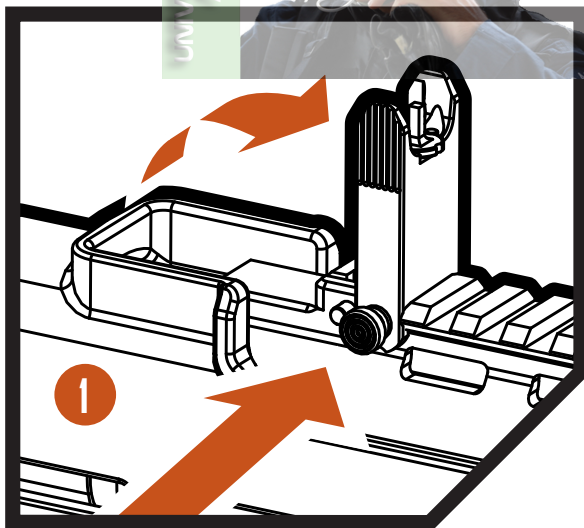


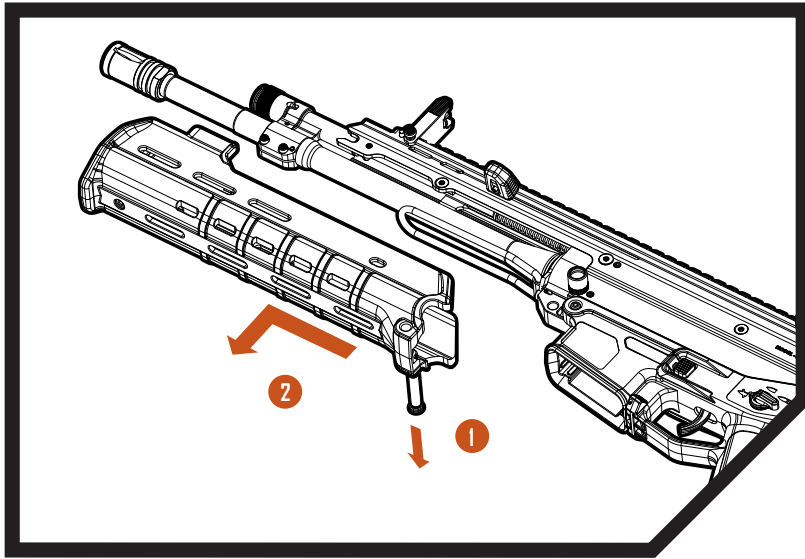
AMBIDEXTROUS CHARGING HANDLE

The charging handle can be swapped from one side of the gun to the other. (1) When the charging handle is in the forward position, above the charging handle in the monolithic picatinny rail is a small button. (2) Depressing that small button, allows the charging handle to be removed from the gun and swapped to the opposite side of the gun.

FLIP UP INTEGRATED FRONT SIGHT AND REAR BACK-UP SIGHT

The PTS Masada features an Integrated Front Sight. (1) A small button on the left side of the Integrated Front Sight, can be depressed to have the front sight instantly flip up into a ready position. An included accessory with the PTS Masada is a rear back-up sight. (2) The sight can be flipped up by depressing the tabs on either side of the sight, or by depressing the front half of the sight. Both the Flip up Front Sight and Rear Back-up Sight will automatically lock into their closed position when they are folded back down. (3) The front sight post can be adjusted for up or down adjustments. (4) The Rear Back-up Sight can be adjusted for left or right adjustments.



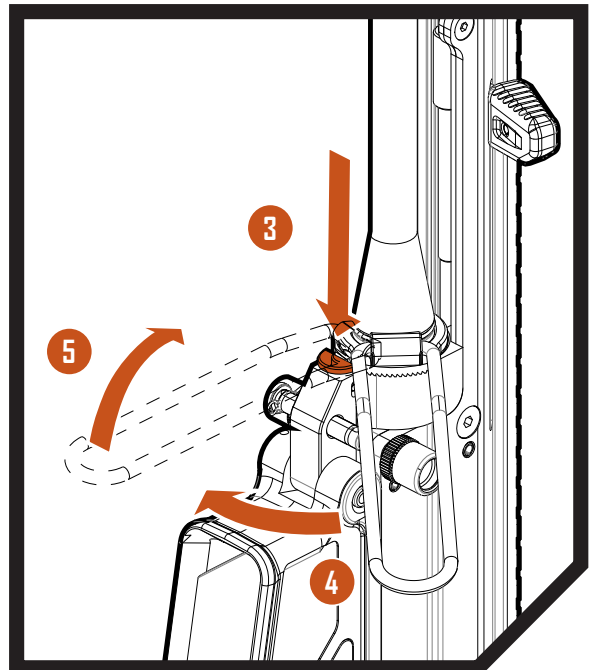
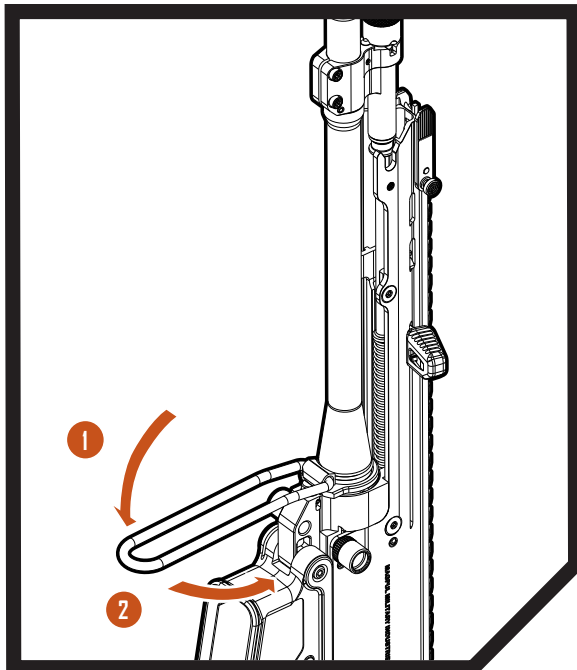


HANDGUARD REMOVAL

The PTS Masada GBBR features a removable barrel in a similar fashion to the real steel Masada. To replace the barrel the handguard must first be removed. (1) To remove the handguard, from the left side, push out the captive pin at the rear of the handguard. (2) The handguard can then be removed by sliding it forwards and off the gun.

BARREL QUICK RELEASE

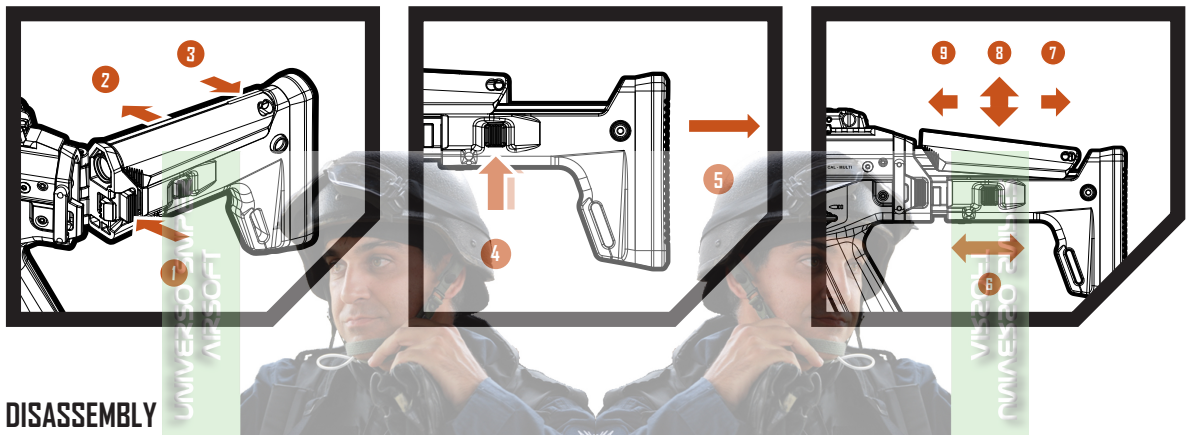
The tool-less quick-change barrel system can be removed in a matter of moments. (1) With the handguard removed, the barrel's hinged barrel wrench can be flipped down and (2) twisted. (3) With the muzzle pointed away from you, press the button next to the barrel wrench in order to (4) twist and rotate it clockwise (towards the PTS Masada's left side) a quarter turn to unlock the barrel from the gun. (5) The barrel can then slide forward away from the gun by pulling forwards on the barrel wrench. The Masada's inner barrel and hop-up unit is captured within the quick-change barrel system. Removing the barrel system allows you to exchange the outer barrel system for an outer barrel setup of another length and/or to access the gun's Hop-Up system to replace the rubber bucking or the inner barrel if needed. To reinstall the barrel system, slide the barrel back into place and rotate the hinged barrel wrench counter-clockwise (towards the Masada's right side) until it is back inline with the gun.



FOLDING/TELESCOPING STOCK

The PTS Masada GBB comes with a Multi-Adjustable Folding Stock.

- (1) To fold the stock, depress the Stock Release Latch, and (2) fold the stock forwards to the right side of the receiver. The stock is held open by detent but does not lock into the open position.
- (3) To return the stock back to its default position, grasp the butt of the stock and pull to the rear of the Masada until the Stock Release Latch locks into place.
- (4) To adjust the length of the stock, depress both Stock Extension Buttons on either side of the stock simultaneously, and (5) slide the stock toward or away from the receiver to the desired length of pull.
- The stock's height can be adjusted to various levels according to the user's preference. (6) To adjust the height of the cheek rest, the stock will need to be extended at least one position to give the adjustment mechanism room to maneuver. (7) Now slide the cheek rest rearward from its locked position. (8) Once the cheek rest is in the rearward position, the height can be adjusted up and down as needed. (9) When a suitable cheek rest height is chosen, the cheek rest can be locked in place by sliding the cheek rest forward, into the locked position.



DISASSEMBLY

- Remove the magazine.
- Pull back and release the charging handle to reset the hammer. Note: The bolt must be forward in the "FIRING" position.
- Set the safety selector to SAFE.

REMOVING THE BOLT CARRIER GROUP

- Push the Rear Takedown Pin as far as it will go.
- Pivot Upper Receiver from Lower Receiver.
- Push in Pivot Pin.
- Separate Upper Receiver from the Lower Receiver.
- Push the Charging Handle fully forward to disconnect the Actuator from the Bolt Carrier. Remove the Bolt Carrier to the rear.

Reverse disassembly actions to reassemble the Masada.

CLEANING PROCEDURE

The bolt carrier assembly and inner surface of the barrel should be cleaned after each shooting session. Regular cleaning prevents the effects of BB residue and dirt buildup that can hinder performance or jam the gun.

CLEANING THE BARREL

Occasional barrel cleaning of the PTS Masada GBBR is highly recommended to ensure optimal performance.

- Ensure the safety is engaged.
- Remove the magazine and clear the chamber of loaded BBs.
- Disable the hop-up by rotating the hop-up unit ring to the OFF position (see Hop-Up adjustment section).
- Separate the upper and lower receiver (see Disassembly section).
- Using a 1" x 0.5" cotton cloth strip, insert one end of the cloth into the hole in the cleaning rod and wind the cloth around the rod.
- Gently insert the cleaning rod through the front of the inner barrel to clean the barrel's bore. Push the rod all the way through and out the rear of the upper receiver. Repeat as necessary.
- It is NOT recommended to use any cleaning solutions nor silicone oil sprays to clean the inner barrel. A dry cloth strip should suffice.

CLEANING THE RECEIVER COMPONENTS

- Use a clean cotton cloth to wipe down the surface of the charging handle and bolt carrier assembly.
- Use a clean cotton cloth to clean inside the upper receiver and magazine well.
- Clean the remainder of the Airsoft gun with cotton-tipped swabs, or general purpose cleaning cloths.
- Place a small amount of silicone oil* on:
 - The length of the charging handle
 - The rails and cylinder of the bolt carrier
 - The hammer roller
 - The magazine seals and o-rings. Unload BBs from the magazine. Make sure the magazine is free of gas before lubricating the magazine's charging valve and release valve.

* There are various different brands and types of silicone oil lubricant on the retail market for various different end uses, however we recommend using only silicone oil lubricant manufactured specifically for airsoft GBBR purposes. Never use WD-40 or other types lubricants as that may damage the components.

OPERATING UNDER UNUSUAL CONDITIONS

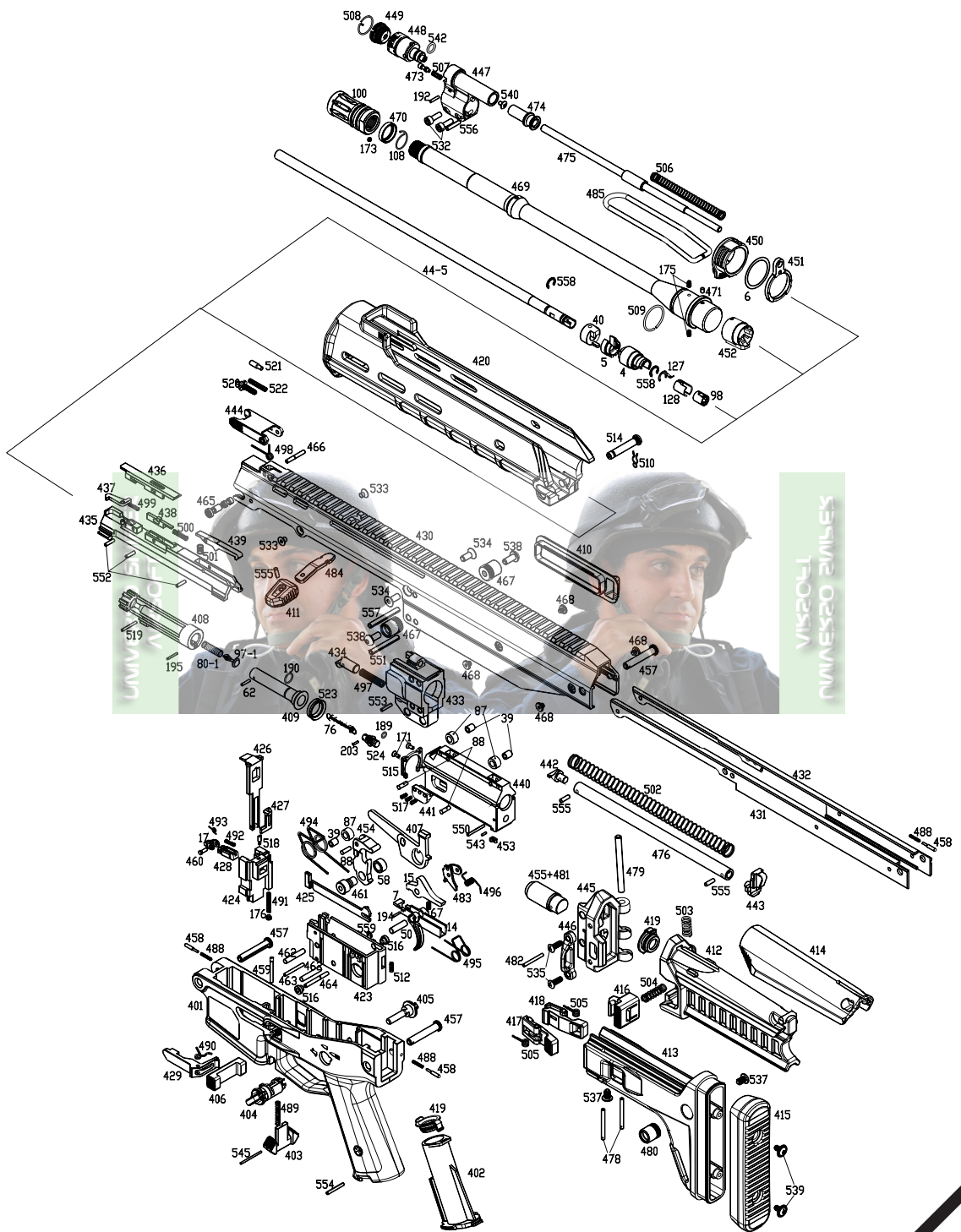
Unusual conditions are defined as any condition requiring special maintenance. Perform maintenance outlined for the climate similar to your operational area.

Extreme Cold – operating an Airsoft gas gun in extremely cold temperatures is not recommended. Cold temperatures will cause the hop-up rubber bucking to harden, reducing its effectiveness. Furthermore, gas will not expand properly in cold temperatures, so both the cycling rate and power will be dramatically reduced.

Extreme Heat – operating an Airsoft gas gun in extremely hot temperatures is also not recommended. Leaving the gun in direct sunlight for long periods of time, or operating in extremely hot areas will cause the gas to over expand, possibly damaging the internal working of the gun. The increase in internal pressure from the expanding gas can also damage the seals and cause leaks in the magazine.

Dust or Sand – dust or sand can get into the gas gun and cause malfunctions and/or excessive wear. Keep the gun covered whenever possible. Use lubricant sparingly, as lubricant naturally attracts dirt and other particles. After use in a dusty area, always field strip the gun (see Disassembly section) and clean any areas you can reach with a soft, lint-free and cotton-tipped swabs.

EXPLODED VIEW



PTS MASADA GBB PARTS LIST CATALOGUE

4	Adjust Ring	426	Bolt Stop	488	Lower Frame Plunger Spring
5	Adjust Ring Guide	427	Lock Plate	489	Bolt Stop Spring
6	Barrel Lock Ling Plate	428	Impact Hammer Shaft	490	Magazine Catch Spring
7	Trigger Parts	429	Magazine Catch	491	Lock Plate Spring
14	Trigger	430	Upper Frame	492	Hammer Spring
15	Sear	431	Bolt Left Rail	493	Impact Hammer Spring
17	Impact Hammer	432	Bolt Right Rail	494	Hammer Spring
39	Hammer Roller Sleeve	433	Barrel SetBlock	495	Trigger Spring
40	Adjust Ring Guide Stopper	434	Barrel Lock Stopper	496	Full Auto Sear Spring
44-5	Inner Barrel	435	Charging Handle Base	497	Barrel Lock Stopper Spring
50	Frame Pin Sleeve	436	Charging Handle Base Cover	498	Front Sight Base Spring
58	Hammer Shaft Collar	437	Charging Handle Base Lock	499	Charging Handle Base Lock Spring
62	Cylinder Spring Pin	438	Charging Handle Lock	500	Charging Handle Lock Spring
67	Sear Spring	439	Bolt Lock	501	Bolt Lock Spring
76	Cylinder Spring	440	Bolt	502	Recoil Spring
80-1	Plug Spring	441	Piston Stopper	503	Stock Base Spring
87	Hammer Roller	442	Recoil Spring Guide Front	504	Stock Latch Spring
88	Hammer Roller Set Pin	443	Recoil Spring Guide Rear	505	Release Button Spring
97-1	1 Plug - GK	444	Front Sight Base	506	Piston Lod Spring
98	Rubber Chamber	445	End Block	507	Plunger Spring
100	Muzzle Device	446	Sling Hanger	508	Stopper Spring
108	Spring Tensioner	447	Gas Block	509	Barrel Stop Ring
127	EH - M4	448	Adjust Dial	510	Stop Rings
128	EH - Hop Color 05	449	Adjust Dial Cap	512	Selector Pist Spring
171	M2.5x6 (cross)	450	Barrel Lock	514	Handguard Set Pin
173	Set Screw M3x4	451	Lod Guide	515	Bolt Plate
175	Set Screw M3x6	452	Barrel Chip	516	Trigger Case Bearing
176	Set Screw M4x4	453	Bolt Parts	517	Set Screw
189	O Ring 04x1	454	Hammer	518	Set Screw
190	O Ring 08x1	455	Buffer Cushion	519	Piston Pin
192	Spring Pin 02x10	457	Pivot Pin	520	Front Sight
194	Spring Pin 01.5x8	458	Lower Frame Plunger	521	Front Sight Lock Pin
195	Spring Pin 01.5x12	459	Magazine Catch Pin	522	Front Sight Lock Pin Spring
203	Spring Pin 01.5x4	460	Impact Hammer Pin	523	Spring Hanger AR15
401	Lower Frame	461	Hammer Shaft	524	Screw
402	Grip Cap	462	Trigger Case Pin	532	Hex Pin M4x12
403	Bolt Stop Lever	463	Trigger Spring Set Pin	533	Hex Screw M4x5
404	Left Selector	464	Full Auto Sear Set Pin	534	Hex Screw M5x12
405	Right Selector	465	Front Sight Base Lock Pin	535	Hex Screw M4x12
406	Magazine Catch Button	466	Front Sight Base Set Pin	537	Hex Screw M5x8
407	Selector Lock Plate	467	Sling Catch	538	Hex Screw M5x12
408	Piston Body	468	Set Screw	539	Hex Screw M4x8
409	Piston Inner	469	Barrel	540	Screw
410	Port Cover	470	Muzzle Device Collar	542	O Ring 07x1.5
411	Cocking Handle	471	Barrel Pin	543	Spring Pin 01.5x5
412	Stock Base	473	Plunger	545	Spring Pin 01.5x26
413	Folding Stock	474	Gas Block Piston	550	Spring Pin 02x20
414	Cheek Weld	475	Piston Lod	551	Spring Pin 04x32
415	Butt Stock	476	Recoil Spring Guide	552	Spring Pin 02.5x10
416	Stock Latch	478	Release Button Set Pin	553	Spring Pin 02.5x12
417	Left Release Button	479	Stock Set Pin	554	Spring Pin 02.5x20
418	Right Release Button	480	Stock Sling Catch	555	Spring Pin 03x10
419	Cap	481	Buffer Shaft	556	Spring Pin 03x12
420	Handguard	482	Buffer Set Pin 02.5x22	557	Spring Pin 04x35
423	Trigger Case	483	Full Auto Sear	558	C Ring
424	Mechanism Block	484	Charging Handle Plate	559	E Ring 02.5
425	Full Auto Sear Link	485	Set Handle		



PROFESSIONAL TRAINING & SIMULATION

As the worldwide exclusive licensee of a wide variety of airsoft products and brands, PTS prides itself in helping create the most authentic experiences possible - both on and off the battlefield. Nothing else handles like PTS because nothing else is made like PTS, guaranteed. Each and every brand in the PTS family must pass rigorous testing requirements. And it's only the most realistic, precision engineered and innovatively designed that make the cut. In the end, you can be assured that the PTS family of brands offers a singular opportunity to own one of the finest, most trusted, field-tested brands ever assembled. Welcome to the PTS experience.



WARNING!

User restricted to 18 years of age or older.

You must read through this instruction Manual before operating this airsoft gun.

Always wear proper eye and face protection.

Obey all your local laws and regulations regarding ownership and usage of airsoft guns.

Misuse or careless use may result in serious injury or other consequences.

MADE IN TAIWAN

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