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Series Manual



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G&G ARMAMENT AIRSOFT GUNS & ACCESSORIES www.GUAY2.com 100% Made in Taiwan

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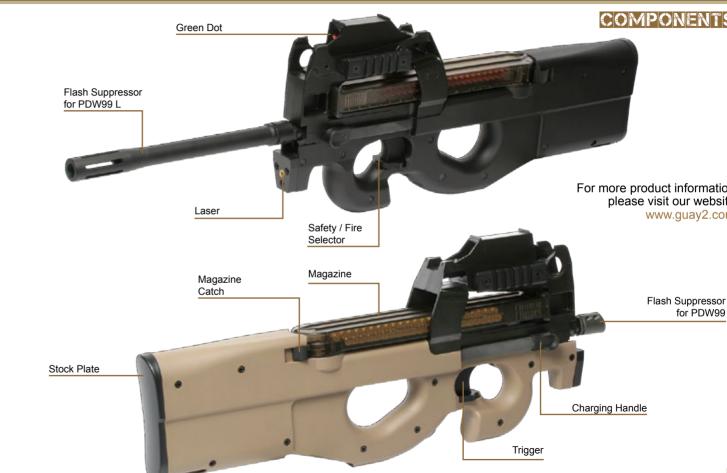


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INTRODUCTION

- G&G is constantly researching new ways to innovate our designs and materials to ensure the best quality products. All G&G products are designed and built with computer assisted design tools, such as Computer Numerical Control (CNC) turning operation to ensure tight precision and quality.
- G&G values the feedback of our customers, as we incorporate improvements and upgrades to our future products. All G&G products are proudly made in Taiwan
- It is G&G's vision that our customers will enjoy and have the best experience using our products. We strive in delivering the best quality products for the best price, and this is the key to our success. G&G has focused on our developments of Automatic Electric Guns with inimitable characteristics. G&G is proud to present its one of a kind, PDW99.
- For more inquiries or information on our product and service, as well as any questions or feedbacks, please refer to our website www.guay2.com.









COMPONENTS







AMENT www.GUAY2.com







G&G ARMAMENT AIRSOFT GUNS & ACCESSORIES



PERSONAL DEFENSE WEAPON Series Manual



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WARNING

Orange tip disclaimer

- All G&G Airsoft products come with a permanently affixed blaze orange tip required by United States law to comply with any and all safety regulations.
- A If you alter, remove, or modify the orange tip, the warranty will be Void.

For more product information please visit our website www.guay2.com



- ▲ All products employ high precision 6.04mm barrel. Use with precision 5.95mm BB pellets is highly recommended. Damage to the product due by faulty BB pellets voids the warranty. Use with caution.
- ▲ The buyer and the user of this product shall adhere to all local laws regulating the usage and the ownership of airsoft guns.

You may be liable for damaging public, personal property, injuring a person or animal even if you only meant to shoot as a "Practical Joke." Always observe Safety First and Good Manners when enjoying the fun sport of shooting.





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When you carry the air gun,attach the safety cap,set the selector lever to the safety position and always put the air gun in a case or bag.

Safety procedures: 1.Attach the safety cap to the muzzle. 2.Set the selector lever to the safety position. 3.Remove the magazine. 4.Remove the battery.





Select a safe place for operating the air gun, avoid places where people and cars are around.

When shooting the air guns for target practice or in a game situation, you and all participants must wear safety goggles or other eye protective gear. Also,pay attention to ricochets. It is very important to pay attention to third parties other than the participants.





Always attach the safety cap to the muzzle, remove the battery and store the air gun in a case or bag and in a safe place that is out of reach by children.

Never direct the muzzle towards a person or animal in any direction.That may cause harm or damage to the third party.



Looking into the muzzle is extremely dangerous regardless if BB's have been loaded or not. If you get hit in the eye by a BB pellet, you may in worst case, lose your eye sight.



There may be cases where some BB's remain in the gun after the magazine has been removed. After removal of the magazine, direct the muzzle towards a safe direction and pull the trigger to confirm there are no BB's that remain in the gun. Set the selector lever to safety, then attach the safety cap.





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Adult supervision required.

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- ▲ May be hazardous up to 50 meters.
- A Read all instructions before using this product.
- Always wear safety goggles when using this product.
- A Misuse or careless handling of this product may cause injury.

G&G ARMAMENT

IRSOFT GUNS & ACCESSORIES

A This product is intended for users 18 years or older.



Make sure to always put the safety cap on the muzzle when you are not shooting. Do this to prevent accident, discharge of BB's and also for dust protection purposes.Never pull the trigger while the safety cap is attached to the muzzle.



Activating the trigger carelessly is extremely dangerous. Never put your finger on the trigger unless the safety cap is removed and you are ready to shoot a target.



Disassembling or modifying the gun may adversely affect the performance of the gun and be dangerous. It also may Void the warranty and in some areas it might be against the Law.

PERSONAL DEFENSE WEAPON Series Manual



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SELECTOR AND SAFETY SETTING

Warning

- Never operate the selector while pulling the trigger Otherwise, malfunctions may occur.
- ▶ Pulling the trigger with the selector being set at safe mode may damage the airsoft gun.



Always set the safety mode immediately after firing.



Safety setting mode

The trigger can not be pulled

When you are not firing the gun always set the selector to the safe position and attach the protective cap on the muzzle. You should also do this whenever you are storing your gun in your gun case.



Single shot

The gun will fire one shot each time the the trigger is pulled.



The gun will fire automatically while the trigger is held down.

INSTALLING BATTERY

Warning

▶ Use only the G&G battery purchased from your local dealer.

Recommended **Optional Parts**







1. Connect battery (LI-PO or NI-MH) plug with the connector until you heard a click sound. 2. Insert battery into the stock.

Caution



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[Power] Blue Light (ON) [Error Status] Red Light (Flashing) [Charging] Green Light (Flashing) [Fully Charged] Green Light (ON)

When the green light flashing more frequently shows the charging speed is faster. When the battery is nearly full, the green light will be on consistently.

Li-Po 11.1v / 1100mAh

Model No. G-11-034



Reinstall the stock plate.

> Carefully arrange the wire when installing the NI-MH battery due to the limited compartment space, the outer core layer may be damaged by the butt plate when closing.





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LOADING THE MAGAZINE

To release the magazine

Warning
Make sure to instal the magazine upwards. It is securely installed when hearing a click sound.
Confirm that the safety lever is set to safety position and do not place your finger on the trigger.

Loading the magazine



Press the magazine release on both sides.



Pull out the magazine.



Magazine bottom view.

Loading the magazine



1. Connect the magazine loader. 2. Load G&G 5.95mm BB pellets into the BB loader. The magazine is capable of containing 60 pellets.



Push BB pellets into the magazine with the charging rod.



Insert the magazine into the body until you hear a click sound.



Not enough hop-up (Move the lever toward HOP). or too much hop-up (Return the lever toward Normal).



HOP-UP ADJUSTMENT



Turning hop-up dial for desired flight pattern of the BB pellet The hop-up dial can be turned to a certain degree. Turning it too much will damage the unit.

Warning

- Never hold the gun sideways as the BB pellets will curve right or left.
- This is due to the HOP-UP system.

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DOT SIGHT / VISIBLE LASER GUIDES

PDW99 Dot sight feature

Power	<120mW
Operational power current	<30mA
Operational voltage	3V (1.5V x 2)
Battery type	AAA 1.5V
Mode	Day / Night
Operating temperature	- 10°C to 60°C
Storage temperature	- 40°C to 85°C

If the brightness of the LED light dims, please replace the battery for best performance.

Eco-friendly Notice

Do not dispose this product into environment. In order to decrease the pollution and help save our earth, please recycle this product.

Warning

In order to safely use this product, please carefully read through following warnings and hints: 1) Keep the children away from this product. 2) Do not point light beam at eyes or anyone or animals. 3) Do not use Li batteries without circuit breaker. 4) Whenever you are not using this product always be sure to remove the battery.

PDW99 Visible laser feature

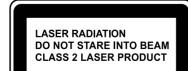
Power	< 1mW (CLASS 2)
Wave length	640 ~ 660 nm (Red illumination)
Output mode	CW (continuously)
Operational power	current <40mA
Operational voltage	3V (1.5V x 2)
Battery type	AAA 1.5V

Please Note

Strictly follow detailed instruction in user guide for correct use of the product. Please read carefully the instructions included for this item.

Storing and Operating Enviroments

Caution : Prolonged storage in extreme heat or low temperatures, may effect the products performance and battery life. 1) Storage : Temperature - 40°C to 85°C humidity 0% to 95% 2) Operation environment : Temperature - 10°C to 40°C humidity 15% to 85%





Dot sight battery



Open the cover.

Visible laser battery



Open the cover.



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Insert two batteries and close the cover

Insert two batteries and close the cover





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ADJUSTMENT

Dot Sight power switch



Switch location

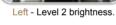


Middle - Dot sight off.





Right - Level 1 brightness.



Dot sight adjustment - Windage



Adjust the hitting point to left or right with an Allen Key.

Dot sight adjustment - Elevation



Adjust the hitting point up or down with an Allen Key.

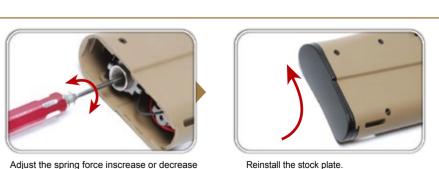
Visible laser power switch / adjustment



Switch location / Press to turn on.

Spring adjustment





Adjust the spring force inscrease or decrease with a screwdriver.

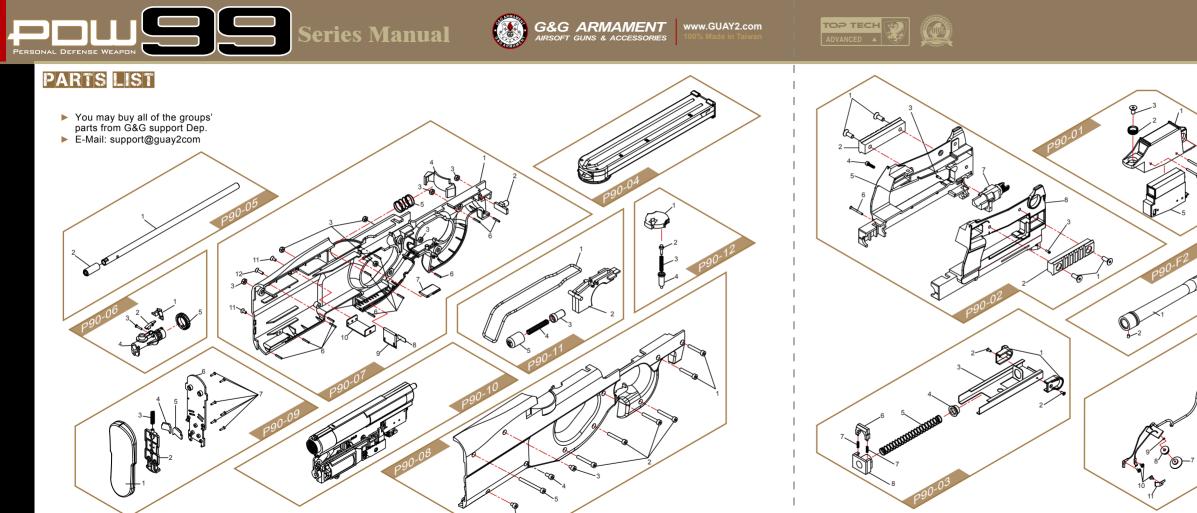


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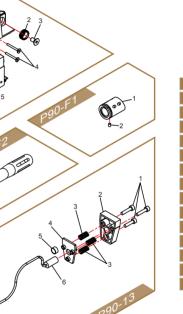




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- You may buy all of the groups' parts from G&G support Dep.
 E-Mail: support@guay2com

P90-01	Green Dot Set
P90-02	Upper Receiver Set
P90-03	Charging Handle Set
P90-04	Magazine
P90-05	Inner Barrel Set
P90-06	Hop-Up Set
P90-07	Lower Receiver Set (Left)
P90-08	Lower Receiver Set (Right)
P90-09	Stock Plate Set
P90-10	Gear Box
P90-11	Trigger Set
P90-12	Selector Set
P90-13	Laser Set
P90-F1	Flash Suppressor Set (Standard)
P90-F2	Flash Suppressor Set (Long Ver.)

PERSONAL DEFENSE WEAPON Series Manual MAINTENANCE



Warning

- Make sure no dirt gets into the chamber to avoid clogging of pellets.
- Hop-up may be unstable for the first 200 to 300 rounds after using silicone oil, this is the normal operation of the gun.
- Never use CRC-556, WD40 or other corrosive lubricant.



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- Drop a few drops of silicone oil or teflon oil into the pellet entrance. After insert BB pellets into the magazine , fire the gun for up to 200~300 pellets.
- 2. To complete the cleaning, use the cleaning rod (with cotton) to remove excess oil.

Warning

- Do not jam the cleaning rod into the barrel by force.
- Should the BB's remains inside the barrel after following the instruction above, with the protection cap off the barrel, point the gun to a safe direction, and discharge any loosened BB's in semi-automatic mode.



SYMPTOM	CAUSE	
NON Operational	Selector lever is set to safety.	S
	Battery is not charged.	0
	Battery connector is disconnected.	(
	The ⊖ and ⊕ of battery connector is reversed.	0
	Expired motor life(50,000 to 60,000 rounds) or poor electrical connection.	F
	Pellets are clogged inside the magazine.	li P
Although motor is revolving,	Pellets are clogged in the chamer.	F
no pellet can be fired	Faulty gear.	F
Full-auto operation not functional (automatic firing)	Insufficient battery power.	0
	Magazine feed with faulty pellet .	F
	Poor electrical connection.	
	Damaged or worn chamber set.	Y
	Damaged or worn piston set (O-ring,piston spring)	0
Shooting distance becomes	Something is jammed in the inner barrel	ι
shorter	Faulty BB pellets (too small or heavy)	ι
	Shortage of silicone oil	C
	Gear problem caused by too many blank firing	
	Worn or damaged gear	Y
Operating Noise Becomes Loud	Gear problem caused by too many blank firing	0
Pellets are falling out of the	Damaged or worn chamber set.	
end of the Barrel	No hop setting	T
	Faulty BB Pellets (too small).	L L
Pellets flying upwards	Too much hop setting	0
	Hop up isn't adjusted enough	0
Pellets are flying downward	Hop packing contaminated by oil or dirt	E E
· · · · · · · · · · · · · · · · · · ·	Dirt inside the barrel	U U
	Worn or damaged hop packing.	F
Cannot adjust	Damaged adjustment lever or other pasts	F
Pellets are Clogging frequently	Too much hop setting	0
	Improper or too large sized BB pellets.	ι
	Dirty hop packing	0
If gun gets wet	Stop operation immediately, disconnect the battery, trial firing. If the unit is not operational, please contact	





TROUBLE SHOOTING

ACTION

Set the selector lever to Semi or Full Auto.

Change the battery.

Connect the connector.

Connect the connector correctly(check the fuse).

Replace the motor(purchasing from your dealer or us)or check and repair the contacts.

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Insert the charging rod into the magazine and move up and down a few times to remove clogged pellets.

Remove clogged pellets using the cleaning rod.

Purchase the replacement gear from your dealer or G&G and repair.

Charge the battery.

Repair clogging of the magazine.

You should consult a certified airsoft smith or G&G dealer in your area for

overhaul maintenance, part replacement, or repairs.

Use the cleaning rod and clean the inner barrel.

Use the genuine G&G Pellets.

Drop a few drops of silicone oil from the chamber upper.

You should consult a certified airsoft smith or G&G dealer in your area for

overhaul maintenance, part replacement, or repairs.

Turn the hop adjustment lever toward Hop.

Use the G&G Pellets.

Gradually return adjustment lever towards Normal.

Gradually return adjustment lever towards Normal.

Fire pellets equivalent to 4 to 5 magazines or clean the chamber using cleaning rod.

Purchase the replacement part from your dealer or G&G and replace it.

Purchase the replacement part from your dealer or G&G and replace it.

Gradually return adjustment lever towards Normal.

Use the BB pellet supplied by G&G Armament.

Clean using the cleaning rod or consult your dealer or G&G for repair.

off water from inside the main body and the battery.After completely dried,carry out ir local dealer for repair