PDW99

INSTRUCTION MANUAL

TAIWAN

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G&G ARMAMENT

AIRSOFT GUNS & ACCESSORIES

All G&G Armament products are complied with CE and RoHS 2.0.
G&G Armament is also a certified manufacturer of ISO 9001.

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PDW99 Series List

[PDW99 PINK]
TGF-S90-STD-PNB-NCM

[PDW99-L]
TGF-P90-STD-BNB-NCM

[PDW99 DST]
TGF-S90-STD-BNB-NCM

[PDW99-L DST]
TGF-P90-STD-DNB-NCM

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

[PDW99]
TGF-S90-STD-DNB-NCM

PDW99 SERIES MANUAL

G&G ARMAMENT www.Guay2.com

Orange tip disclaimer :

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

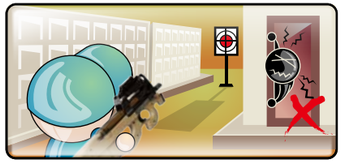
For more product information please visit our website www.guay2.com

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."Never point your gun at anything you do not intend to shoot. Always practice gun safely and muzzle awareness when enjoying the fun sport of airsoft.

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.

When shooting the airsoftguns 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.

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



Practice situational awareness and select a safe place for shooting your airsoft gun. Avoid places where people and cars are around.

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.

- 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.
- If a user is 18 years old or older they are viewed as an adult and no longer need adult supervision. The top warning makes no sense if the product is meant for someone 18 years or older.
- May be hazardous up to 50 meters.
- Read all instructions before using this product.
- Always wear safety goggles when using this product.
- Misuse or careless handling of this product may cause injury.

Never point the muzzle towards a person or animal in any direction. Always keep the muzzle pointed in a safe direction.

Never look down the barrel of your airsoft gun, loaded or not. Airsoft guns can be very dangerous and even lethal.

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.

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.

Keep your finger off the trigger. This prevents any accidental discharges from a trigger pull.

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.

Warning

- ► Do not operate the selector while pulling the trigger.
- ► Do not pull the trigger when safety is on.

Turn on the safety when not ready to fire.

Safety On

The gun will not fire.

For safety reason, you should keep the safety on at all times when you are not ready to fire.

Semi mode

Single shot

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

Fully automatic mode

Automatic firing

The gun will continuously as long as the trigger is held down.

Warning

- ► Use only G&G recommended batteries to avoid breach on warranty.

Recommended Battery and Charger

Li-Po Balance Charger
Model No. G-11-035

Li-Po 11.1v / 1100mAh
Model No. G-11-034

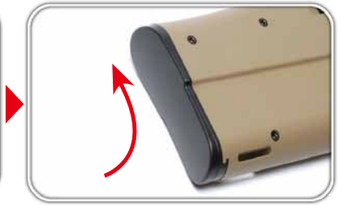
Li-Po Balance Charger LED INDICATION

[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.

Press the nub and slide down to remove the stock plate.

1. Connect battery (LI-PO or NI-MH) plug with the connector until it clicks.
2. Insert battery into the stock.



Reinstall the stock plate.

Caution ► 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.

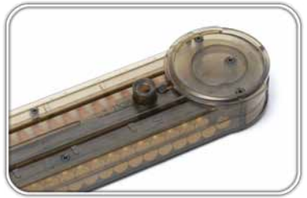
Warning
- Make sure to install the magazine upwards.You will hear a click sound when the magazine is securely installed.
- Confirm the safety lever is set to the safety position and do not place your finger on the trigger.

To release the magazine

Press the magazine release on both sides.

Pull out the magazine.

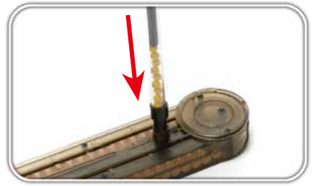
Loading the magazine



Magazine bottom view.

Loading the magazine

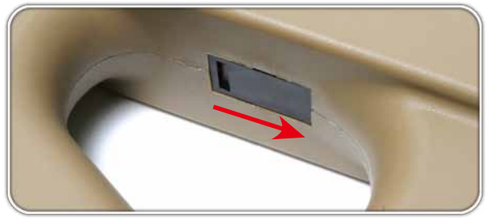
1. Connect the magazine loader.
2. Load G&G 5.95mm BB pellets into the BB loader. The magazine is capable of containing 60 pellets.



Push BB pellets into the magazine with the charging rod.

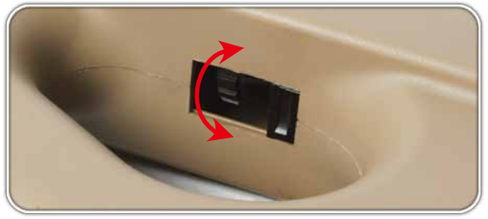
Insert the magazine into the body until you hear a click sound.

Open the port cover

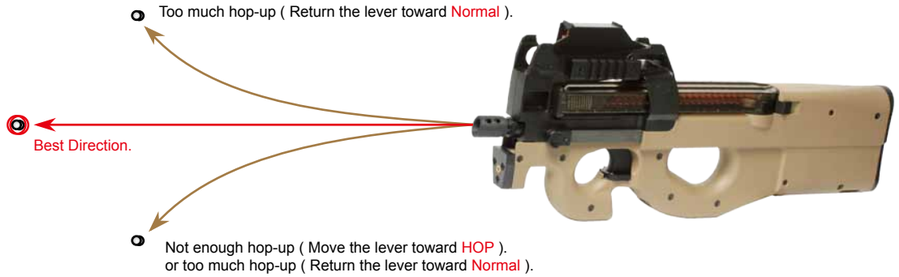


Open the Hop-up protect cover.

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.

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℃ to 60℃
Storage temperature	- 40℃ to 85℃

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

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.

Eco-friendly Notice

Do not dispose this product into the 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.

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℃ to 85℃ humidity 0% to 95%
2) Operation environment : Temperature - 10℃ to 40℃
humidity 15% to 85%

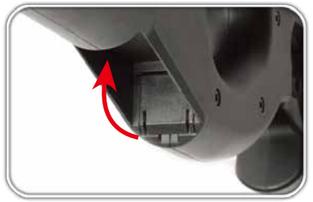
LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT

Dot sight battery

Open the cover.

Insert two AAA batteries and close the cover.

Visible laser battery



Open the cover.

Insert two AAA batteries and close the cover.

Dot Sight power switch

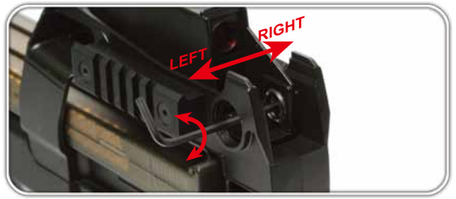
Switch location.

Middle - Dot sight off.

Right - Level 1 brightness.

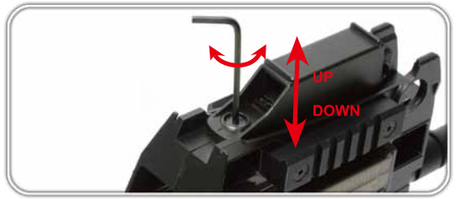
Left - Level 2 brightness.

Dot sight adjustment - Windage



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

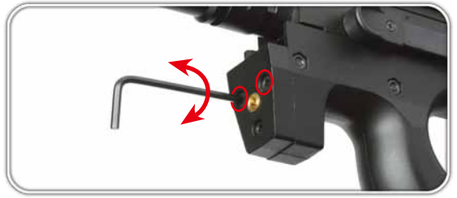
Dot sight adjustment - Elevation



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

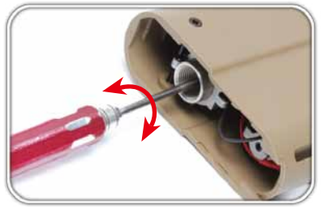
Visible laser power switch / adjustment

Switch location / Press to turn on.


Adjust the laser point with an Allen Key.

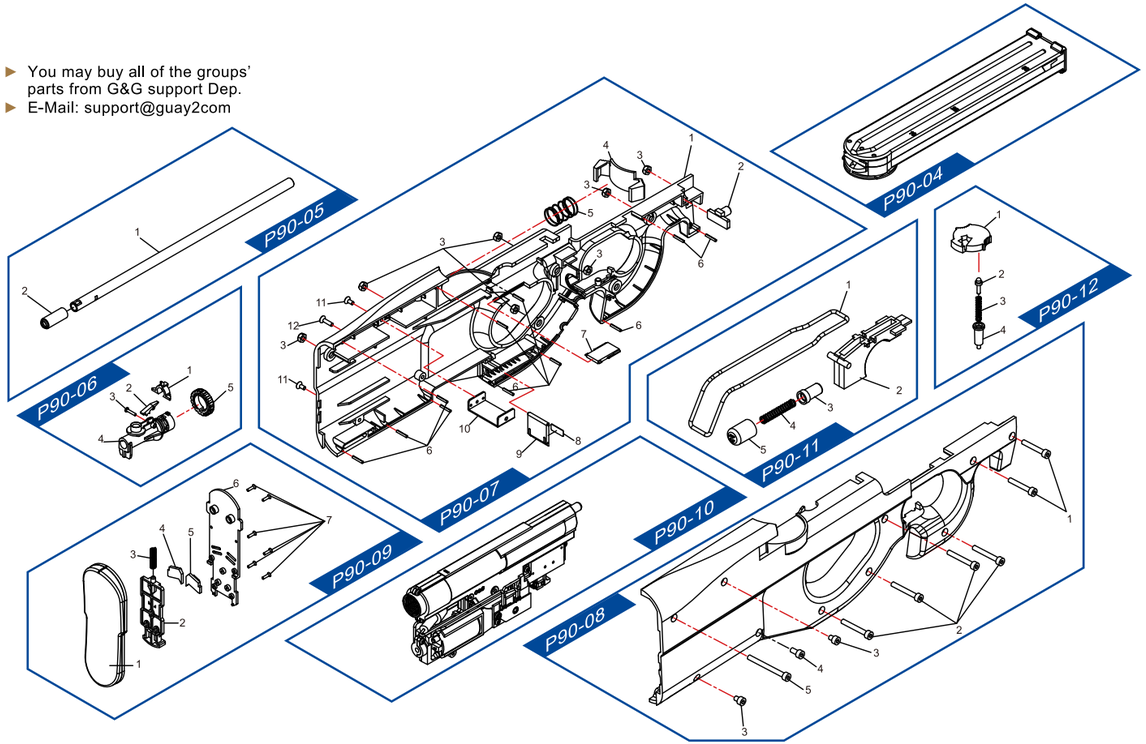
Spring adjustment

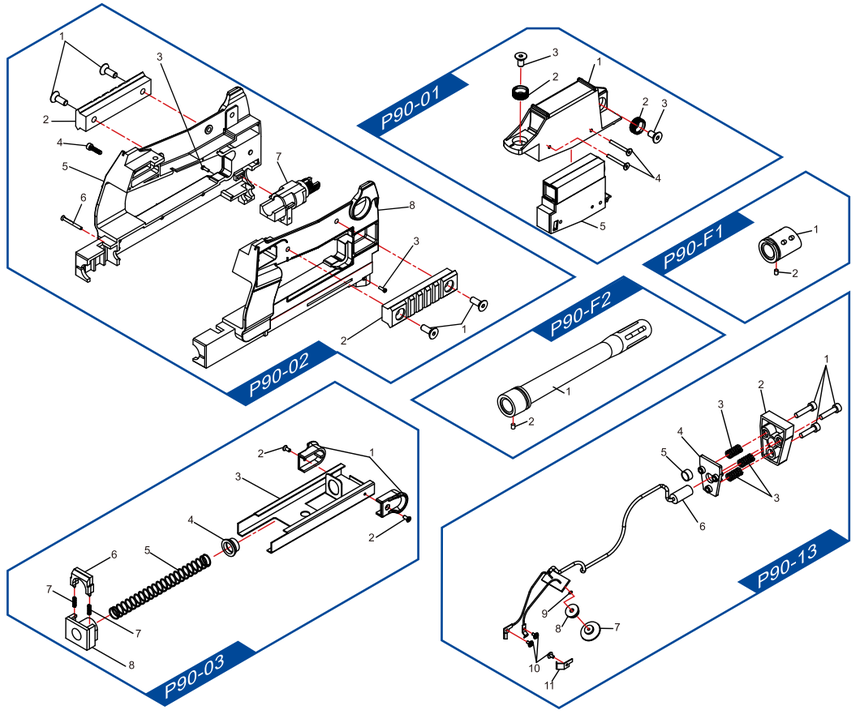
Press the nub and slide down to remove the stock plate.


Adjust the spring force inscrease or decrease with a screwdriver.

Reinstall the stock plate.

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





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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.)

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.

Maintenance for low FPS

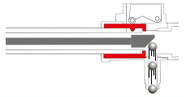
1. Drop a few drops of silcone or teflon oil into the pellet entrance. After insert BB pellets into the magazine , fire the gun for up to 200~300 pellets.
2. To complete the cleaning, use the cleaning rod (with cotton) to remove excess oil.

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.

Removing loose pellets

1. Return the hop-up dial to the Normal position and insert the cleaning rod from the lead edge of the barrel.
2. To remove clogged BB's, carefully insert the cleaning rod inside the flat tip facing down as shown below.



SYMPTOM	CAUSE	ACTION
Non-operational	Selector lever is set to safety.	Set the selector lever to Semi or Full Auto.
	Battery is not charged.	Charge the battery.
	Battery connector is disconnected.	Connect the connector.
	The ⊕ and ⊖ of battery connector is reverse.	Connect the connector correctly(check the fause)
	Expired motor life (50,000 to 60,000 rounds) or poor electrical connection.	Replace the dead motor (purchased from local dealer or directly G&G).
Although motor is revolving, no pellet can be fired	Pellets are clogged inside the magazine.	Insert the charging rod into the magazine and move up and down a few times to remove clogged pellets.
	Pellets are clogged in the chamber.	Remove clogged pellets using the cleaning rod.
	Faulty gear.	Pruchase the replacement gear from your dealer or G&G and repair.
Full-auto operation not functional (automatic firing)	Insufficient battery power.	Charge the battery.
	Faulty pellet feed of magazine.	Repair clogging of the magazine.
	Poor electrical connection. Damaged or worn chamber set.	You should consult a certified airsoft smith or G&G dealer in your area for overhaul maintenance, part replacement, or repairs.
	Damaged or worn piston set (O-ring,piston spring)	
Shooting distance becomes shorter	Something is jammed in the inner barrel	Use the cleaning rod and clean the inner barrel.
	Faulty BB pellets (too small or heavy)	Use the genuine G&G Pellets.
	Shrotage of silicone oil Gear problem caused by too many blank firing	Drops few drops of silicone oil from upper the chamber.
Operating Noise Becomes Loud	Worn or damaged gear	You should consult a certified airsoft smith or G&G dealer in your area for overhaul maintenance, part replacement, or repairs.
	Gear problem caused by too many blank firing	
Pellets are falling out of the end of the Barrel	Damaged or worn chamber set.	
	No hop setting.	Turn the hop adjustment lever toward Hop.
	Faulty BB Pellets (too small or heavy.)	Use the G&G Pellets.
Pellets flying upwards	Too much hop setting.	Gradually return adjustment lever towards Normal.
Pellets are flying downward	Hop up isn't adjusted enough.	Gradually return adjustment lever towards Normal.
	Hop packing contaminated by oil or dirt.	Fire pellets equivalent to 4 to 5 magazines or clean the chamber using cleaning rod.
	Dirt inside the barrel.	
	Worn or damaged hop packing.	Purchase the replacement part from your dealer or G&G and replace it.
Cannot adjust	Damaged adjustment lever or other pasts.	Purchase the replacement part from your dealer or G&G and replace it.
Pellets are Clogging frequently	Too much hop setting.	Gradually return adjustment lever towards Normal.
	Improper or too large sized BB pellets.	Use the BB pellet supplied by G&G Armament.
	Dirty hop packing.	Clean using the cleaning rod or consult your dealer or G&G for repair.
If gun gets wet	Stop operation immediately,disconnect the battery,wipe off water from inside the main body and the battery.After completely dried,carry out trial firing.If the unit is not operational,please contact your local dealer for repair	