



WWW.GUAY2.COM **G&G ARMAMENT** AIRSOFT GUNS & ACCESSORIES

#### TAIWAN

- ChangHua Tel: +886-4-798-9000 Fax: +886-4-798-9900 (Head Quarter) No.999, Zhonghua Rd. Shengang Township, Changhua County 50952, Taiwan (R.O.C.)
  - Taipei Tel: +886-2-2692-2000 Fax: +886-2-2692-4000 11F-3., No.27, Lane 169, Kangning St. Shijr City, Taipei County 22180, Taiwan (R.O.C.)

Sales Dept. | sales@guay2.com, b2b@guay2.com Technology Dept. support@guay2.com PR Dept. pr@guay2.com

#### U.S.A.

000901

Los Angeles Tel : +1-626-581-0101 Fax: +1-626-581-1011 1122 Coiner Court City of Industry, CA91748 (U.S.A.) sales101@guay2.com

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## Warning

# **G&G**ARMAMENT



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

- A This product is intended for users 18 years or older.
- Read all instructions before using this product.
- Adult supervision required.
- Always wear safety goggles when using this product.
- Misuse or careless handling of this product may cause injury.
- May be hazardous up to 50 meters.



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.

You may be liable for damaging

public, personal property, or for

Always observe good manners

injuring a person or an animal

and enjoy fun sport shooting.





Select a safe place for operating the air gun and 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 at a place that is out of reach of children.

## AEG. Manual ADVANCED TR4 / TR15 / TR16

#### Orange tip disclaimer :

- All G&G Airsoft guns come with a permanent fixed orange tip required by law, which will grant Airsoft legal usage in the United States.
- ▲ If you alter, modify, abuse or remove the orange tip, all warranty coverage will be void.

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



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





## Warning

#### **Warning**

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





Make sure to put the barrel and safety cap onto the muzzle except when shooting, to prevent any accidents, discharge of BB's, and also for dust protection purposes. Never pull the trigger while the barrel and safety cap are attached.



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 and make it dangerous. It would also void all warranty.

### Contents





# ALEG. Manual TR4 / TR15 / TR16



## TR4 Series List

## TR15 Series List





## ALEG. Manual TR4 / TR15 / TR16

#### TR16 Series list

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



TR15 Series list

For more product information please visit our website <a href="http://www.guay2.com">www.guay2.com</a>



## TR16 Series List



## TR16 Series List

TR16 Series list





# ALECE Manual TR4 / TR15 / TR16

#### TR16 Series list For more product information please visit our website



www.guay2.com [ TR16 CQW ] [ TR16 CQW DST ] [ TR16 A2 Carbine ]

## TR16 Series List



## TR16 Series List

TR16 Series list





### AEG. Manual TR4 / TR15 / TR16 Á. ADVANCED

#### TR16 Series list



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## TR16 Series List





## AEC Manual TR4 / TR15 / TR16 **M**

## **Blow Back Pneumatic System**

True to the faith of mimicking real life firearms, G&G is proud to present its new Pneumatic Blow Back system to its line of airsoft guns. Conventional airsoft blow back utilizes tow hook springs to mimic real life bolt actions, which often lead to excess wear, tear, and poor reliability in the gear box. To alleviate the problem of conventional systems, G&G has independently developed the Pneumatic Blow Back system; a piston driven and gas operated mechanism to better mimic real life bolt actions.

This new technology utilizes compressed air to move the bolt, which enables the action without adding extra stress to the gear box.

This class leading system represents a significant milestone in the airsoft industry.





G&G awarded New blow back pneumatic system patents all over the world



### Patents

#### **EUROPEAN UNION**

Patent No : 460191 814454

Patent No : 200620122468.9

Patent No : BA2007 0069

Patent No : 614422.4



#### The Director of the United States Patent and Trademark Office

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#### United States Patent

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this application was filed on or after June 1 to U.S. filture date, subject to any stationey c

### TR16 Series Components





## ALEG. Manual TR4 / TR15 / TR16



## TR16 Series Components

#### **TR16** Series Components

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

#### Tactical Sling Attachment TR16 Carbine / A2 Carbine / R4 Carbine

#### 6-Position Retractable Stock TR16 Carbine / A2 Carbine / R4 Carbine

Selector Lever

Grip

**Trigger Guard** 

## **TR16 Series Components**

## G&GARMAMENT



## AEG. Manual TR4 / TR15 / TR16





## TR16 Series Components

## TR16 Series Components

## G&GARMAMENT



# ALEC Manual TR4 / TR15 / TR16

#### **TR16** Series Components





## TR15 Series Components

#### **TR15** Series Components

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

## TR4 Series Components





### AEC Manual TR4 / TR15 / TR16 Á.





## TR4 Series Components

#### **TR4** Series Components

## Selector & Safety

## G&GARMAMENT



# ALEG. Manual TR4 / TR15 / TR16

#### Selector & Safety

#### **Warning**

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

#### Always set the safety mode setting immediately after firing.



#### Safety Setting Mode The trigger cannot be pulled

When the gun is in storage or not being fired, always set the selector to the Safe position and attach the protective cap on the muzzle.



Semi Mode Single shot

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



Automatic firing

The gun will fire continuously while the trigger remains pulled.

#### **Warning**

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

#### For Fixed Stock Version





Lower the stock plate nail and open the cover.

#### Connect the connector until you hear a 'click'. then insert the battery into the fixed stock.

#### For Handguard Version

Pull the delta ring and hold.

Remove the lower handquard.





Set the battery beside the outer barrel. Connect the battery plug with the connector until you hear a 'click'.

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## Installing the Battery

#### Installing the Battery



Remove the lower handquard.

## Installing the Battery

## **G&G**<sup>WWW.Guay2.com</sup> ARMAMENT

TR16 CQW

TR16 CQW



Installing the Battery

TR4 CQB R / TR4 CQB S

### AEG. Manual TR4 / TR15 / TR16 **Ú**ľ

#### Warning

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

#### For Extended Battery Stock Version



1. Push the stock release lever. 2. Pull the stock to the last position.



1. Pull and hold the stock release lever mount. 2 Pull out the stock



Turn and take off the battery cover.

TR15 Series

TR15 Series

#### For Extended Battery Stock Version



Insert the battery into the stock.

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Connect the battery plug into the connector until you hear a 'click'.



Reinstall the stock.

#### **Warning**

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

#### For Ready Magazine Version





Pull out the connector.

Release the battery stock.

Connect the battery plug with the connector until vou hear a 'click'.

#### For Patriot Battery Stock Version





Connect the battery plug with the connector until you hear a 'click'.





## Installing the Battery

#### **III** Installing the Battery







Insert into upper receiver and connect firmly until vou hear a 'click'.

#### TR16 CRW Cannon / CRW Viper



- 1. Insert the battery into the stock.
- 2. Lock the stock.

## Sight Adjustment





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#### **Warning**

Make sure not to lose the adjustment tool.

#### Front sight adjustment

Precision targeting



For front sight up-down adjustment Turning clockwise : Raises the pellet hitting point. Turning counterclockwise : Lowers the pellet hitting point.



Battle sight (For common shooting) Used for full automatic firing.

Battle sight (For special shooting) Used for precision firing.

#### Windage adjustment knob

Turning the windage adjustment dial will move the pellet hitting point to the left or right.

For left-right adjustment. Turning clockwise Shifts the pellet hitting point to the right. Turning counterclockwise : Shifts the pellet hitting point to the left.



Sight Adjustment



#### **Warning**

▶ Be careful not to catch your fingers in the dummy bolt.

#### Open the port cover



1. The Charging handle can be pulled and the bolt will be fastened 2. Pulling the charging handle will take the bolt back and open the port cover. This function is only for the plastic/blow back version



## Charging Handle & Hop-up Adjustment

#### Charging Handle & Hop-up Adjustment

# Hop-up adjustment Norma Turn the hop-up for a 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 due to the hop-up system.

## **Movable Parts**

**Depress the Trigger Guard** 





Movable Parts

# ALECE Manual TR4 / TR15 / TR16

#### **Warning**

Only adjust if the gear noise becomes shrilly.





Depress the trigger guard plunger with a proper tool and open the trigger guard.



The motor adjustable screw is at the bottom of the grip. Use a screwdriver to adjust.

#### Forward Grip Setting



Set the forward grip on the rail.



Move the forward grip to adjust position.



Fasten the knob.

#### **Installing the Carrying Handle**



Connect the detachable carrying handle with the upper receiver.



#### **Installing the Rear Sight**

upper receiver.





Fasten the interface knob.

## Movable Parts

#### Movable Parts



## **Movable Parts**





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#### Movable Parts

#### Q.D. Sling Swivel Setting



Put on Q.D.sling swivel mount on the rail. Fasten the screw.



Install the Q.D.sling swivel on the Q.D.sling swivel mount.



Install the Q.D. sling swivel on the sopmod tactical stock.

#### **Removing the Handguard**





Remove the lower handguard

#### **Retractable Stock**





Push the release lever to unlock.

Pull the stock.

#### **Rail Handguard Panels Setting**



Set the forward grip on the rail.



Slide in the rail handguard panels.



## Movable Parts

#### Movable Parts

Remove the upper handguard.





Adjust the position of the stock. (6 positions)

### Magazine Setting





Magazine Setting

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#### **Warning**

Make sure to set the magazine upwards. It is securely installed with you hear a 'click'. ▶ Confirm that the safety lever is set to Safety position and do not place your finger on the trigger.

#### Magazine Setting



Open the magazine cover.



Load G&G 5.95mm BB pellets into the magazine. The magazine is capable of holding approximately 450 pellets.



After the BB pellets have been loaded, close the cover and turn the gear on the bottom until the sound changes.

#### **Magazine Setting**



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

#### To Release the Magazine



Press the magazine release.



Pull the magazine out of the receiver.

**Warning** 

Select a safe place for operating the air gun. ▶ Never put your finger on the bolt when operating the air gun.

#### Firina



Make sure to install the magazine

It is installed properly when you hear a

upwards and into the body.

'click'.



Remove the protective cap only when you are ready to fire the gun.





Set the Selector Lever to Semi or Full Auto

## Firing

#### Firing



#### **Cautions On Motor & Battery**

- 1. Charge the battery if the firing cycle becomes slow.
- 2. Stop using the air gun for 5-10 minutes after firing around 500 rounds in order to ensure a longer life of the motor and battery.

### Maintenance





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#### Maintenance



#### **Warning**

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



1. Place a few drops of silicone oil or teflon oil into the pellet entrance. After inserting 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, point the gun towards a safe direction and discharge any loosened BB's in semi-automatic mode.



#### Troubleshooting

SYMPTOM	POTENTIAL	CORRECTIVE
	Selector lever is set to safety.	Set the selector lever to Semi or Full Auto.
	Battery is not charged.	Charge the battery.
No operation at all	Battery connector is disconnected.	Connect the connector.
	The cand of battery connector is reversed.	Switch the batteries to the correct position.
	Expired motor life (50,000 to 60,000 rounds) or poor electrical connection.	Replace the dead motor (can be purchased from local dealer or directly from G&G). Check and repair the contacts.
Although motor is revolving, no	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.
pellet can be fired	Pellets are clogged in the chamber.	Remove clogged pellets using the cleaning rod.
	Faulty gear.	Purchase the replacement gear from your dealer or G&G and repair.
La construction de la construction	Insufficient battery power.	Charge the battery.
Impossible full-auto	Faulty pellet feed of magazine.	Repair clogging of the magazine.
operation(automatic firing)	Poor electrical connection.	Consult your dealer or G&G for overhaul maintenance or repair.
	Damaged or worn chamber set.	Replace the replacement parts (purchase from your dealer or G&G)
	Damaged or worn piston set (O-ring, piston spring)	
Shooting distance becomes	Something is jammed in the inner barrel	Use the cleaning rod and clean the inner barrel.
Shooting distance becomes shorter	Faulty BB pellets (too small or heavy)	Use the genuine G&G Pellets.
3101101	Shortage of silicone oil	Place a few drops of silicone oil onto the upper chamber.
	Gear problem caused by too many blank firing	
Too loud energing noise	Worn or damaged gear	
Too loud operating noise	Gear problem caused by too many blank firing	Consult your dealer or G&G for overhaul maintenance, part replacement (gear,etc.) or repair.
Pellets being fallen out from barrel end	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.
If gun gets wet	Stop operation immediately, disconnect the battery, v completely dry, carry out trial firing. If the unit is not o	vipe off water from inside the main body and the battery. After the gun is perational, please contact your local dealer for repair.

#### Disclaimer

- Accessories pictured are not always included with product.
- Adult supervision required for users under 18 years of age.
- The purchaser and user should conform to all laws governing the ownership of airsoft guns.

manufacturers.

pictured.

## Troubleshooting & Disclaimer

All products in this manual are imitation firearms and are not intended nor represented to be comparable in design, appearance, or function to any actural firearm offered by other

Product names are trademarks of G&G, which has no affiliation to, and is not associated, or sponsored by any manufacturer of actual or imitation firearms. Products may vary form those

## Parts List - Common





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## Parts List - Gear Box

#### Gear Box Set

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

TR16-01	Charging Handle
TR16-02	Port Cover Set
TR16-03	Magazine Catch Set
TR16-04	Selector Plate
TR16-05	Assist Knob Set
TR16-06	Selector Lever Set
TR16-07	Bolt Catch Set
TR16-08	Lower Receiver Set
TR16-09	Hop-Up Set
TR16-10	Hop-Up Rubber Set
TR16-11	Piston Rod
TR16-12	Front Frame Lock Pin Set
TR16-13	Trigger Guard Set
TR16-14	Rear Frame Lock Pin Set
TR16-15	Magazine
TR16-16	Motor Set
Common Part	ts for TR16 / TR15 / TR4

TR16-17	Gear Box Set
Non-Blowback for TR16 A2 / A2 Carbine	

TR16-18	Blowback Gear Box Set
TR16-19	Charging Upper Cover
TR16-20	Charging Plate
TR16-21	Blowback Piston Set
Blowback for TR16 / TR15 / TR4	

### Parts List -Mock Suppressor & Barrel





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### Parts List -Upper Receiver & Sight

#### Upper Receiver & Sight

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

TR16-22	Mock Suppressor
TR16-23	Mock Suppressor (CRW / CQW / TR4-18)
TR16-24	Mock Suppressor (TR4-18 Light)
TR16-25	Mock Suppressor (CQB-S)
TR16-26	Mock Suppressor (CQB-R/H)
TR16-27	Mock Suppressor (CRW Cannon)
TR16-28	Mock Suppressor (CRW Viper)
TR16-29	Inner Barrel (Different Lengths)
TR16-30	Outer Barrel (CRW / CQW / CRW Cannon)
TR16-31	Outer Barrel (Carbine Light / CQB-R/H / Raider)
TR16-32	Outer Barrel (Ranger)
TR16-33	Outer Barrel
TR16-34	Outer Barrel (A2 / A3 / R5)
TR16-35	Outer Barrel (A2 Carbine / A3 Carbine)
TR16-36	Outer Barrel (TR4-18 Series)
TR16-37	Outer Barrel Extender (TR4-18)
TR16-38	Front Sight
TR16-39	Front Sight (CRW / Viper / Canoon / TR4-18 Light)
TR16-40	Front Sight (CQW)
TR16-41	Front Sight (TR4-18)
TR16-42	Front Sight Mount (TR4-18 Series)
TR16-43	Detachable Carrying Handle
TR16-44	Upper Receiver (A2 / A2 Carbine)
TR16-45	Upper Receiver
TR16-46	Rear Sight (with TR16-38,39)
TR16-47	Rear Sight
TR16-48	Rear Sight (CRW Viper / Cannon)

## Parts List -Handguard & Rail





# ALECE Manual TR4 / TR15 / TR16





# Parts List -Handguard & Rail

#### Handguard & Rail

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

TR16-49	Handguard Front Fixed Ring
TR16-50	Handguard Front Fixed Ring (TR16 A2 / A3)
TR16-51	Handguard
TR16-52	Handguard (TR16 A2 / A3)
TR16-53	Rail System Set (TR16 R4 / R4 Carbine /TR4 CQB-R)
TR16-54	Rail System Set (TR16 R5)
TR16-55	Rail System Set (Raider-XL)
TR16-56	Rail System Set
TR16-57	Rail System Set (TR4 CQB-S)
TR16-58	Rail System Set (CQW / CRW / Viper / Cannon)
TR16-59	Rail System Set (TR4-18 Series)
TR16-60	Rail System Rear Fixed Set (with No. TR16-50, 51)
TR16-61	Delta Ring (with No. TR16-52,53)
TR16-62	Delta Ring

## Parts List - Stock





### AEC Manual TR4 / TR15 / TR16 **M**



# Parts List -Grip & Others



#### Grip & Others

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

TR16-63	Sling Attachment (CRW Viper / Cannon / Raider / Raider-L/XL)
TR16-64	Sling Attachment
TR16-65	Stock Washer (CRW)
TR16-66	Buffer Tube Set (with No. TR16-64, 65)
TR16-67	Rear Q.D. Sling Swivel Set (CRW)
TR16-68	Patriot Battery Stock Set (CRW Viper / Cannon)
TR16-69	Fixed Stock Set
TR16-70	Retractable Stock Set
TR16-71	Extended Battery Stock Set
TR16-72	Sopmod Tactical Stock Set (CQB-H)
TR16-73	Grip Set (Raider / Raider-L)
TR16-74	Grip Set (CQW)
TR16-75	Grip Set (CRW / Viper / Cannon / Raider-XL / TR4-18)
TR16-76	Grip Set
TR16-77	Ready Magazine Set (CRW / R4 Carbine)
TR16-78	Handguard Panel Set (R5 / CQB-S/R)
TR16-79	Forward Grip (R4 / R4 Carbine / R4 Commando / R5 / CQB-S/R)





#### Movable Parts - Stock



1.Pull the release lever to adjust the position of the stock. (6 positions) 2.Pull the locking lever until it click into place to secure the position of the stock.

#### Extra Storage Space



Press the button then pull out

2. Remove the lower handguard.

Connect the battery with the connector until you hear a 'click', then reinstall the lower handguard.

#### Rear Sight Adjustment



1.Press down the button to fold the rear sight. 2.Loose the hex screw before removing the rear sight. Pull the charging handle so the rear sight can be removed.

#### Front Sight Adjustment



Turn the knob counterclockwise to remove the front sight.





TR4 MOD0 - 01	Flash Suppressor
TR4 MOD0 - 02	Lower Handguard Set
TR4 MOD0 - 03	Upper Handguard Set
TR4 MOD0 - 04	Outer Barrel Set
TR4 MOD0 - 05	Hop Up Set
TR4 MOD0 - 06	Delta Ring
TR4 MOD0 - 07	Inner Barrel
TR4 MOD0 - 08	Upper Receiver Set
TR4 MOD0 - 09	Charging Handle Set
TR4 MOD0 - 10	Port Cover Set
TR4 MOD0 - 11	Front Frame Lock Pin Set
TR4 MOD0 - 12	Bolt Catch Set
TR4 MOD0 - 13	Selector Lever Set
TR4 MOD0 - 14	Magazine Catch Set
TR4 MOD0 - 15	Sling Swivel Mount
TR4 MOD0 - 16	Stock Tube
TR4 MOD0 - 17	Magazine
TR4 MOD0 - 18	Lower Receiver Set
TR4 MOD0 - 19	Trigger Guard Set
TR4 MOD0 - 20	Selector Plate
TR4 MOD0 - 21	Rear Frame Lock Pin Set
TR4 MOD0 - 22	Grip Set
TR4 MOD0 - 23	Motor
TR4 MOD0 - 24	Grip Bottom Set
TR4 MOD0 - 25	GOS-V2 Stock Set
TR4 MOD0 - 26	Gear Box Set
TR4 MOD0 - 27	Detachable Front Sight Set
TR4 MOD0 - 28	Blow Back Pneumatic Piston Set
TR4 MOD0 - 29	Charging Plate Set
TR4 MOD0 - 30	Charging Upper Cover Set
TR4 MOD0 - 31	Right Selector Cap
TR4 MOD0 - 32	Wire
TR4 MOD0 - 33	Rear Sight
TR4 MOD0 - 34	Handguard Retainer
TR4 MOD0 - 35	Imitation Gas Tube