



MANUFACTURE

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**BCMAIR®**  
AIRSOFT PRODUCTS

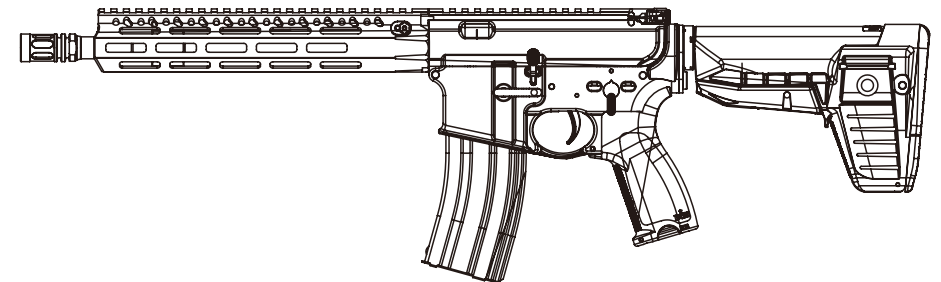
# BCMAIR®

AIRSOFT PRODUCTS

## BCMCMR

6mm Airsoft Electric Gun

# INSTRUCTION MANUAL



**⚠ WARNING:** ADULT SUPERVISION IS REQUIRED. MISUSE MAY CAUSE SERIOUS INJURY, ESPECIALLY TO THE EYE. EYE PROTECTION DESIGNED FOR AIRSOFT GUNS MUST BE WORN BY THE USER AND ANY PERSON WITHIN RANGE. READ OWNER'S MANUAL BEFORE USING. MAY BE DANGEROUS UP TO 200METERS.  
未成年使用時需有成人監督。錯誤操作可能造成嚴重傷害，特別是眼睛。使用者與周遭的人務必配戴護目鏡。使用請保持安全距離(最高200米)。使用前請詳閱操作說明書，避免發生危險。

Manufactured by VegaForceCompany 100% Made in Taiwan

## SAFE GUN HANDLING

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

您必須完全了解玩具槍正確的操作以及安全守則。

為了您使用上的安全，你必須遵循以下的各項規則。

Always wear eye protective gear.

始終配戴護目鏡

You may be punished if you are shooting for practical jokes.

若隨意用玩具槍開玩笑可能會觸及法律

Never shoot the gun at places where people and cars pass cross.

切勿在有人及汽車經過的地方開槍

Never aim or shoot a person or animal as a target.

切勿將人或動物做為目標射擊

Never look into the gun muzzle.

切勿直視槍口

Always direct the muzzle towards a safe direction.

始終將槍口朝向安全位置

Avoid pulling the trigger carelessly.

避免不小心拉動扳機

Please keep your fingers away from the trigger, except when you are ready to shoot a target.

除準備射擊目標外，請不要將手指放在扳機上

Always put the gun in a case or bag when you are carrying it.

攜帶槍枝時請將其放在箱子或袋子中

Keep out of reach of children.

請將本品放在兒童無法觸及的地方

DO NOT ATTEMPT TO DISASSEMBLE OR TAMPER WITH YOUR AIRSOFT GUN. CONTACT CUSTOMER SERVICE AT VFC FOR REPAIR.

請勿嘗試拆卸或變造玩具槍。有維修需求時，請聯絡VFC的客戶服務進行維修。

**⚠ WARNING:** DO NOT BRANDISH OR DISPLAY THIS AIRSOFT GUN IN PUBLIC-IT MAY CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK THIS AIRGUN IS A FIREARM. DO NOT CHANGE THE COLORATION AND MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THIS IS DANGEROUS AND MAY BE A CRIME.

請勿在公共場所揮舞或展示玩具槍，以免造成他人困擾及恐慌，警察與其它民眾可能會認為玩具是真槍，並可能構成犯罪行為。請勿變造玩具槍的外觀與機構，使玩具槍更像真槍，此為非法行為。

**⚠ CAUTION:**  
EYE PROTECTION  
REQUIRED  
WEAR YOUR  
SHOOTING GLASSES

請注意  
眼睛的保護  
並於射擊時  
戴上護目鏡

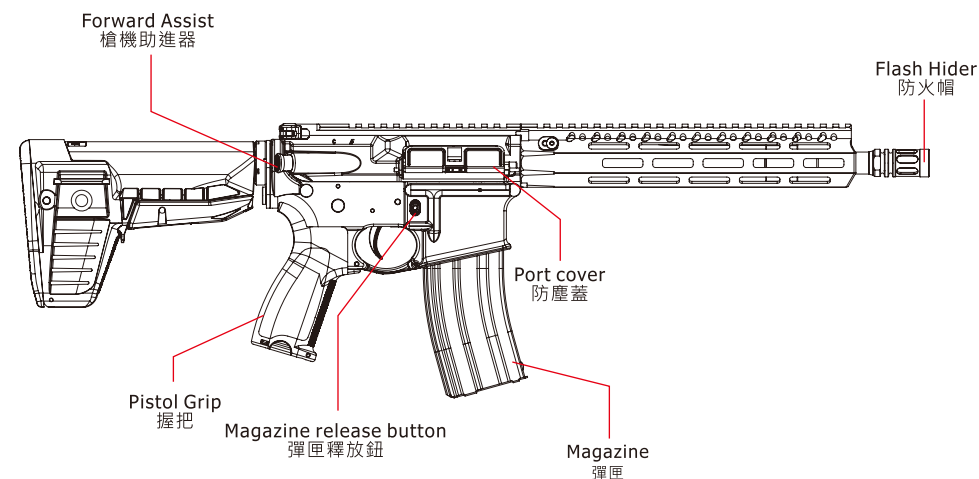


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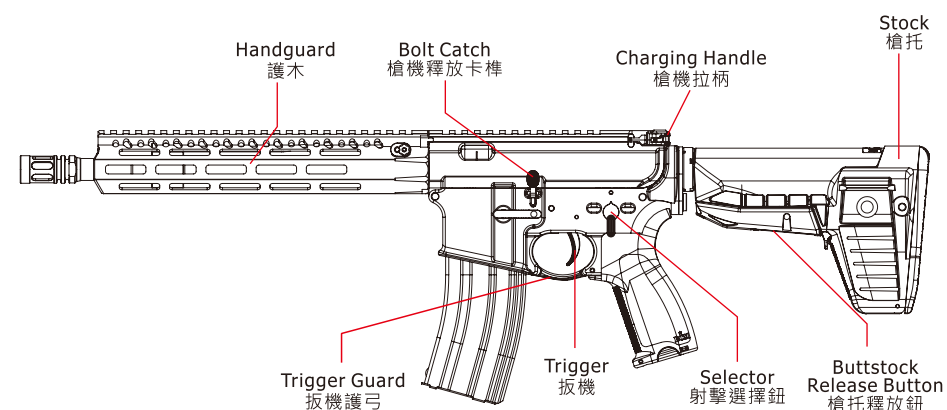
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## -COMPONENTS-

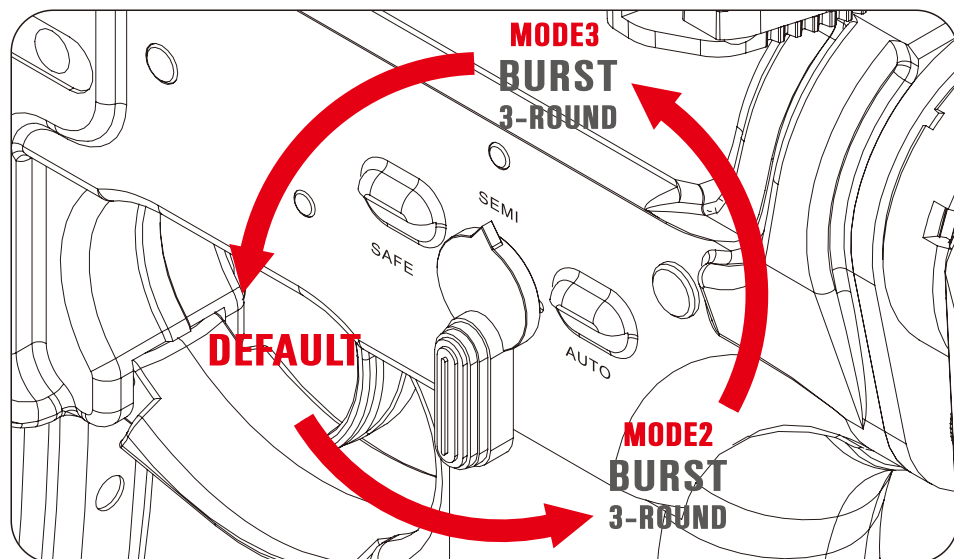
### •RIGHT SIDE



### •LEFT SIDE



## -DIGITAL FIRING CONTROL SYSTEM-



### ●PISTON PRE-COCKING BY SEMI MODE 單發活塞預拉

Pull the trigger several times in SEMI mode so that piston position will be pre-cocked, and improve the precision of your shooting.  
使用單發射擊模式時，可將活塞設為預拉模式，提高單發射擊時的集彈性及精準度。

### ●PISTON PRE-COCKING BY AUTO MODE 連發活塞歸位

Before you remove the battery from your AEG, please pull the trigger several times in AUTO mode so that piston position could be reset.  
若要將活塞歸位，則只需進入全自動射擊模式，扣下扳機數次讓活塞歸位。

### ●AUTOMATIC DETECTION OF THE VOLTAGE 電壓自動偵測

The "BEEP" sound will have different modes depending on the battery voltage, 3 beeps for 11.1V, 2 beeps for 7.4V.

當接上電池時，電子扳機系統將會自動偵測電壓，"嗶"三聲為 11.1V，若是"嗶"兩聲則為 7.4V 電池。

### ●LOW VOLTAGE ALARM 低電壓警告

When the battery is about to run out, the four "BEEP" sound will be heard as an alarm.  
當電池即將耗盡時，電子扳機系統將會發出四次"嗶"聲作為警告。

### ●DIGITAL FUSE 數位保險

When the AEG overloaded, the motor will stop to protect the AEG.  
當附載過大，電子扳機會啟動自我保護機製，馬達停止動作。

### ●SELF-LEARNING FUNCTION 自我學習功能

When you need to change the piston spring, motor or different battery Voltage, the Virgo ETU can self learn to make better efficiency.

1. Please pull the trigger for a few seconds in full auto mode, and the ETU will detect your setting.
2. Press the trigger few times in semi auto mode. the ETU will detect the piston's position .
3. Switch the selector lever to the safe position to save the setting.

**Note: We recommend not changing the original motor and piston spring .**

當您使用非原設定馬達，彈簧或是更換不同電壓電池時，在連發模式扣住扳機幾秒讓 VIRGO 電子扳機 V2 偵測使用條件，然後在單發模式下扣押扳機數次，讓 VIRGO 電子扳機 V2 偵測活塞預拉位置後，再將保險鈕轉到保險位置儲存當前設定。

**Note: 原槍設定已達最佳化，不建議更改原始馬達及彈簧設定**

### ●POWER SAVE FUNCTION 省電功能

When the selector lever is switched to safe mode, the ETU will turn on the power saving function.

When the selector lever switch is in semi auto mode. The ETU will turn off the power saving function.

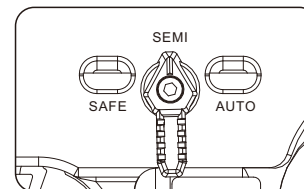
**Note: If you do not use the AEG over 3 days. please unplug the battery.**

當選擇鈕切至保險時電子扳機會進入省電模式，再將保險切回單發可立即射擊。

**Note: 若超過三天以上不使用，需要將電池拔除。**

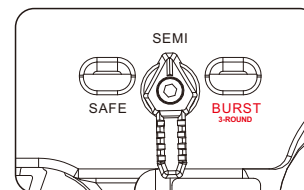
## -CHANGE FIRING MODE-

### ●DEFAULT MODE



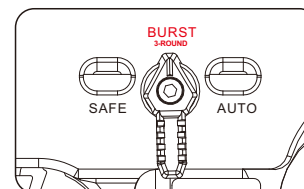
System default start mode.  
系統預設起始模式。

### ●MODE 2



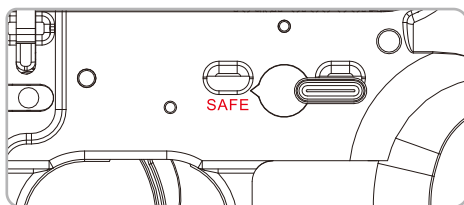
Set selection lever in SEMI mode, pull and HOLD the trigger for few seconds, the "BEEP" sound will be heard twice, you are now in 2nd firing mode.  
將射擊選擇鈕置於 SEMI 位置，扳機往後拉住不放，靜待數秒後，聽見"嗶"二聲，即進入第二模式。

### ●MODE 3



Set selection lever in SEMI mode, pull and HOLD the trigger for few seconds, the "BEEP" sound will be heard 3 times, you are now in 3rd firing mode.  
If you repeat the operation again, system will return to default start mode.  
將射擊選擇鈕置於 SEMI 位置，扳機往後拉住不放，靜待數秒後，聽見"嗶"三聲，即進入第三模式。  
再切換一次，將進入系統預設起始模式。

## -SAFETY SETTING-

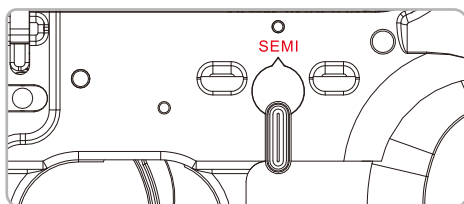


**Safety Setting 保險位置**  
(The trigger can not be pulled)

無法扣動扳機

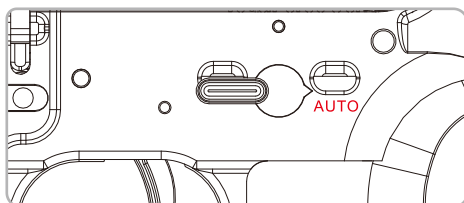
Always set lever to SAFE position when gun is not in use.

在未使用玩具槍的狀態下，  
始終將射擊選擇鈕保持在保險位置。



Semi Auto 半自動

When the trigger is pulled,  
the gun will fire one shot each time.  
拉動一次扳機，則發射一發子彈



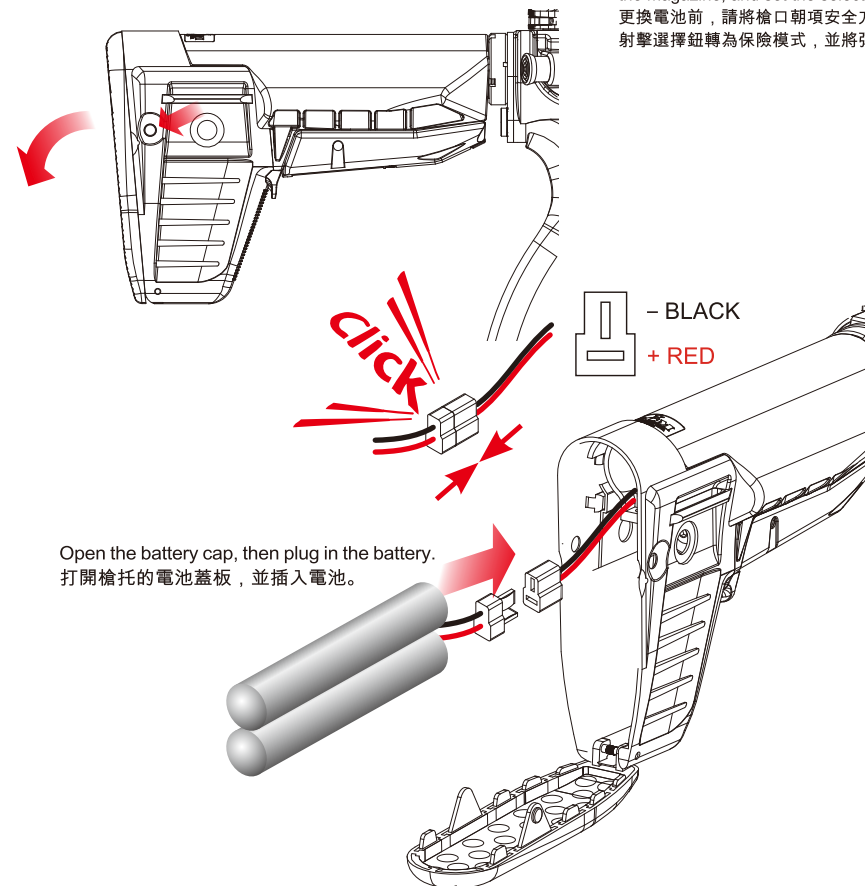
Full Auto 全自動

The gun will fire automatically while the trigger remains pulled.  
扣著扳機不放將連續發射子彈

**WARNING • CAUTION**

- Do not operate the selector lever while the trigger is depressed. Damage and malfunction will occur if you attempt to do so.  
請勿在扣壓扳機的同時，切換射擊選擇鈕，這樣會造成玩具槍的故障。
- Do not pull the trigger while the selector is on SAFE. Doing so will damage the trigger and safety mechanisms.  
當射擊選擇鈕處於保險狀態，請勿去拉動扳機，這樣容易造成扳機與保險裝置的損壞。

## -INSTALLING BATTERY-



**WARNING • CAUTION**

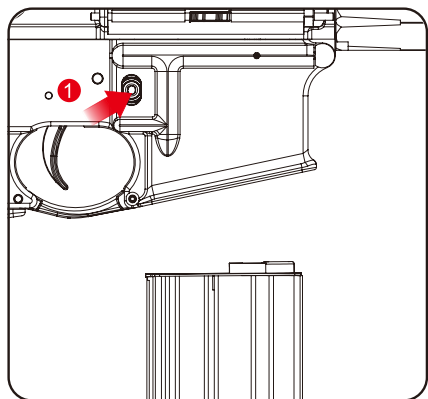
Before changing the battery, point the gun in a safe direction, remove the magazine, and set the selector to SAFE.  
更換電池前，請將槍口朝項安全方向，射擊選擇鈕轉為保險模式，並將彈匣卸除。

## CAUTION

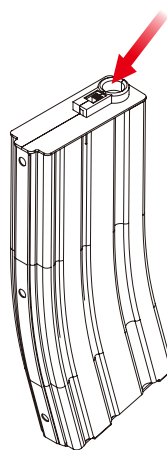
When batteries have almost lost their charge they can cause gearbox malfunctions that require repair. Batteries should never be over-charged. This can damage the cell. Prolonged overcharging causes permanent damage to batteries. There is no warranty for batteries. Use only those batteries of min. 7.4 / 11.1 V 20C  
當電池電量耗盡時，請盡速更換，避免造成齒輪箱故障。  
請勿將電池過度充電。  
長時間過度充電會造成電池永久損壞。  
電池沒有提供保固。  
建議使用 7.4 / 11.1 V 20C 以下的電池。



## -LOADING MAGAZINE-

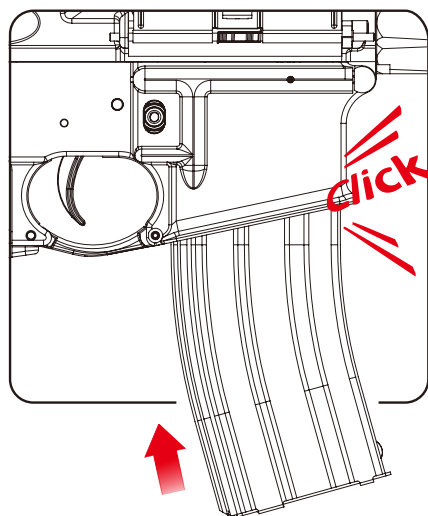


Press the magazine release button and pull the magazine downward to remove it.  
按壓彈匣釋放鈕並卸除彈匣



Use only high quality 6mm BB with the magazine.  
彈匣只能使用 6mm 的 BB 彈

120 RDS MAGAZINE



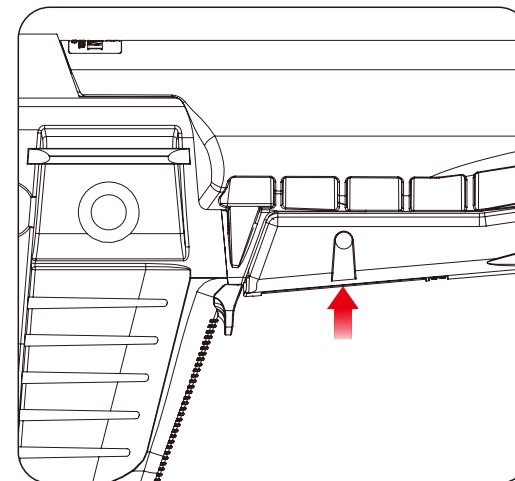
### WARNING • CAUTION

- Always use high quality 0.20 gram or heavier BB in your airsoft rifle.  
請使用高品質的 0.20 克或是更重的 BB 彈。

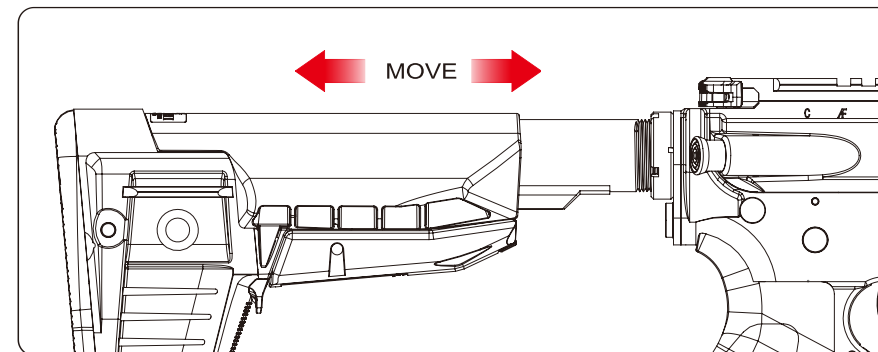
We will not be held responsible for any damage or incidents arising from use of poor quality or underweight BB.  
對於因使用品質差或重量不足的 BB 彈造成的損壞，本公司概不負責。

Make sure to press the magazine upwards and connect it firmly, until a click sound is heard.  
將彈匣向上推入彈匣井內，確保彈匣插入方向正確。  
向上插入直到聽到喀噠聲為止。

## -ADJUSTING THE QRF STOCK-



Press and hold the stock release button, then adjust the stock position.  
按下槍托釋放鈕，調整槍托位置。

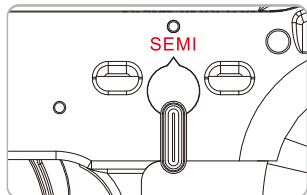


### WARNING • CAUTION

- Be careful not to catch your fingers when operating buttstock functions.  
在調整槍托位置時，請小心不要夾到手指。

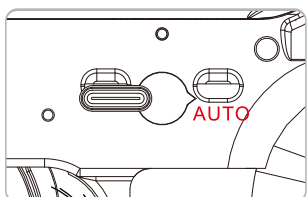
## -FIRING-

Set the Selector lever to "SEMI" or "AUTO".  
將射擊選擇鈕切換為 "單發" 或 "連發" 模式。



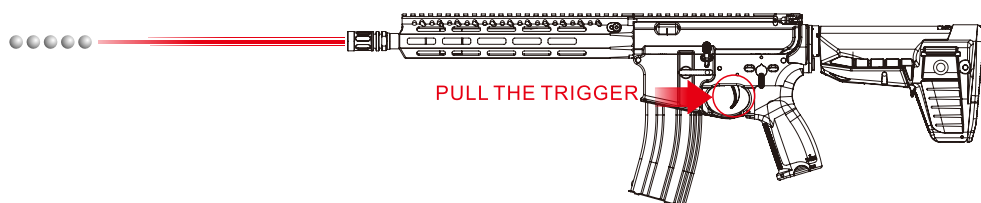
**Semi Auto**  
半自動

With each pull of the trigger, the gun will fire one shot each time.  
拉動一次扳機，則發射一發子彈



**Full Auto**  
全自動

The gun will fire automatically while the trigger remains pulled.  
扣著扳機不放將連續發射子彈



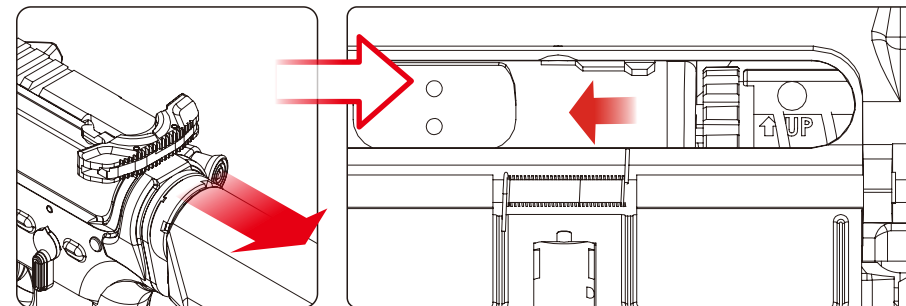
1. Set the selector lever to Semi-Auto or Full Auto.  
將射擊選擇鈕切換為 "單發" 或 "連發" 模式。
2. Pull the trigger.  
扣壓扳機，開始射擊。

### CAUTION

Never put your finger on the trigger unless you are ready to shoot.  
除準備射擊目標外，請不要將手指放在扳機上。

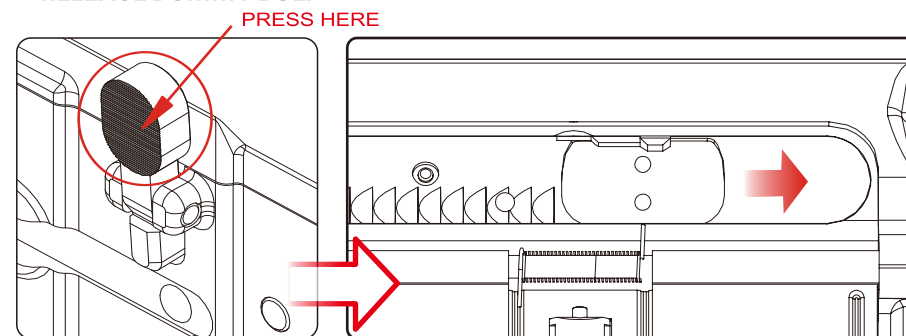
## -CHARGING AND BOLT CATCH-

### •CHARGING AND OPEN DUMMY BOLT



The charging handle can be pulled and the dummy bolt will lock and remain open.  
向後拉動槍機拉柄，槍機飾片打開。

### •RELEASE DUMMY BOLT

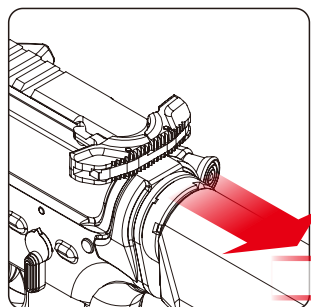


To Release bolt, just press the bolt catch.  
按壓槍機釋放鈕，槍機飾片覆位。

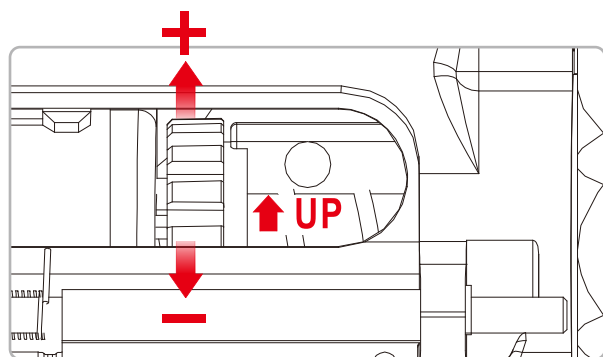
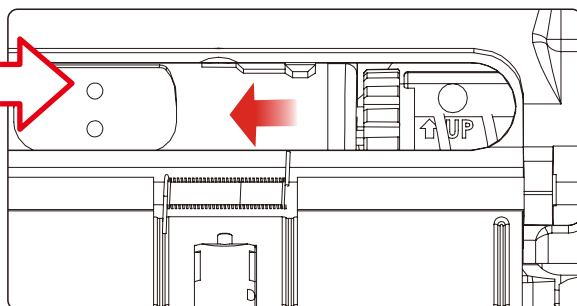
### Pinch Point Warning

Keep fingers out of bolt area when releasing bolt catch.  
釋放槍機飾片時，請勿將手指放在槍機位置，以免夾到手指。

## -VARIABLE HOP-UP SYSTEM-



Your rifle comes standard with an adjustable hop-up system. This hop-up system allows lift to be added to the bbs flight thus improving distance performance. 您的步槍皆有配置HOP-UP調整系統。HOP-UP有助於您調整彈道，改善射擊表現。



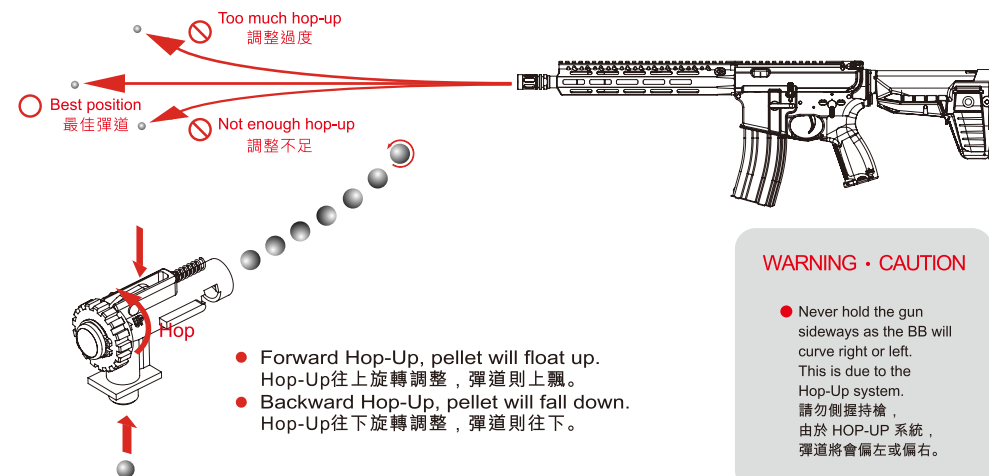
- Open bolt to adjust the HOP-UP system. 打開槍機飾片以調整HOP-UP系統。
- Gradually turn the adjustment dial in positive direction to increase hop up effect. 逐格將撥盤往"+"號方向轉動，以增加BB彈上旋效果。
- Turning excessively adversely affects the trajectory. So, stop turning the dial when bullets fly horizontally. 調整過度對彈道將有不良影響，因此，當BB彈彈道為水平飛行，請停止調整HOP。

### WARNING • CAUTION

- Too much hop up may cause BBs to jam. If a jam occurs, immediately dial back the hop up and test fire again. Otherwise, damaged and malfunctions will occur with the gun.

Hop 調整過度有可能造成BB彈卡彈。若發生卡彈現象請立即撥回撥盤並測試是否能夠射擊，過度調整Hop有可能造成損壞或故障。

- The best position is where the bbs fly horizontally and the longest flying distance is obtained. 最佳彈道為BB彈水平飛行並獲得最長飛行距離。



### WARNING • CAUTION

- Never hold the gun sideways as the BB will curve right or left. This is due to the Hop-Up system. 請勿側握持槍，由於HOP-UP系統，彈道將會偏左或偏右。

### Improper Hop-Up Setting Troubleshooting

Symptom	Cause	Action
BB's flying upward BB彈飛行向上	Hop-up setting too high. Hop-up調整過度	Gradually return adjustment lever towards normal. 漸趨調節使彈道平穩正常
Short flying distance of BB's (less hop-up effect) BB彈飛行距離過短	Hop-up setting too over. Hop-up調整過度	Gradually return adjustment lever towards normal. 漸趨調節使彈道平穩正常
	Hop-up system contaminated by oil or dirt. Hop-up座內有灰塵或油污	Clean using the cleaning rod or consult your dealer or VFC for repair. 清潔或連繫您的經銷商或VFC進行維修
	Worn or damaged Hop-up system. Hop-up座磨損或毀壞	Purchase the replacement part at your dealer or from VFC and replace it. 向經銷商或VFC購買替換零件替換
Can not adjust 無法調整	Damaged adjustment lever or other parts 調整環或其他零件損壞	Purchase the replacement part at your dealer or from VFC and replace it. 向經銷商或VFC購買替換零件替換
Frequent BB jamming BB彈頻繁阻塞	Hop-up setting too high. Hop-up調整過度	After the adjustment lever is returned to anormal side, and the hop is released, it adjusts again. 漸趨調節使彈道平穩正常
	Improper or too large sized BB's 使用不合適或太大的BB彈	Only use quality Airsoft BB's 使用優質BB彈
	Dirty Hop-up system Hop-up座內有髒汙	Clean using the cleaning rod or consult your dealer or VFC for repair 清潔或連繫您的經銷商或VFC進行維修

## -TROUBLESHOOTING CLINIC-

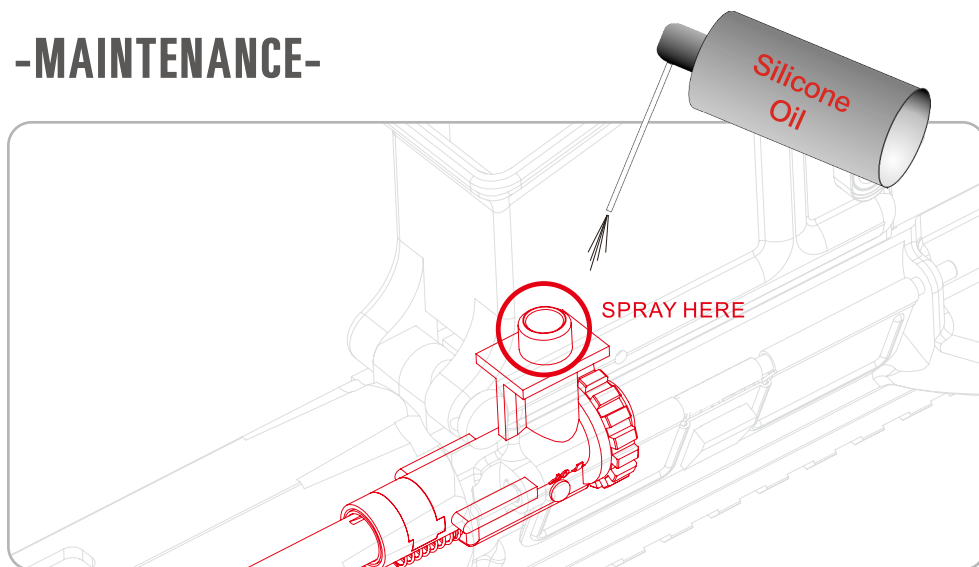
Symptom	Cause	Action
No operation at all 無法動作	Selector lever is set to safe. 選擇鈕位於關保險位置	Set the selector lever to fire. (semi or full auto) 將射擊選擇扭轉至射擊模式
	Battery is not charged. 電池未充電	Charge the battery. 將電池充電
	Battery connector is disconnected. 電池接頭未連接	Connect the connector. 電池接頭確實連接
	The + and - of battery connector is reversed. 電池接頭正負極接反	Connect the connector correctly. 正確連接電極
	Fuse is blown out. 馬達老化(約5~6萬發)或接點不良	Replace the fuse. 更換馬達或修理接點。
Motor is cycling but gun does not fire 馬達有轉動但 BB彈無法擊發	BB's are clogged inside the magazine. 彈匣內BB彈卡彈	Insert the cleaning rod cord into the magazine and move it up and down several times to remove jammed bb's. 清除彈匣內的卡彈
	BB's are clogged in the chamber. 槍膛內BB彈卡彈	Remove jammed bb's in chamber using a cleaning rod. 清除槍膛內的卡彈
	Faulty gear. 齒輪損壞	Purchase the replacement gear from your dealer or VFC and repair. 向經銷商或VFC購買替換零件
Malfunction of full auto operation (automatic firing) 全自動射擊模式故障	Insufficient battery power. 電池電力不足	Charge the battery. 電池充電
	BB's are clogged inside the magazine. 彈匣給彈不良	Repair the clogged magazine. 清除彈匣內的卡彈
Malfunction of semi-auto operation 半自動射擊模式故障	Poor electrical connection. 齒輪未正確歸位	Consult your dealer, VFC for maintenance or repair. 聯繫經銷商或VFC維修
Malfunction of semi-auto operation (single shot)單發 半自動射擊模式故障	Insufficient battery power. 電池電力不足	Charge the battery. 電池充電
	Poor electrical connection. 接點不良	Consult your dealer, VFC for maintenance or repair. 聯繫經銷商或VFC維修
Automatic firing cycles become slow 連射速度低落	Insufficient battery power. 電池電力不足	Charge the battery. 電池充電

## -TROUBLESHOOTING CLINIC-

Symptom	Cause	Action
Shooting distance becomes shorter 射程變短	Gear problems caused by excessive dry firing.空擊太過造成齒輪異常	Consult your dealer, VFC for maintenance or repair. Replace the chamber packing. piston packing(O-ring)and piston assembly. 聯繫經銷商或VFC維修
Overly loud operating noise 動作聲音異常	Gear problems caused by excessive blank firing.空擊太過造成齒輪異常 Worn or damaged gear. 齒輪磨損或毀壞	
Bullets falling out from barrel end BB彈從槍口掉落	Gear problems caused by excessive dry firing.空擊太過造成齒輪異常 Worn of damaged hop up bucking . 槍膛橡皮磨損	
Virgo ETU V2 Alarm VIRGO 電子扳機V2 聲響警告	One Beep sound: When you connect the battery. 1. The battery voltage is too low . 2. When you are shooting. Beep 一聲: 接上電池時電池電壓過低或連續 射擊時偵測到不正常大電流。	Consult your dealer, VFC for maintenance or repair. Replace the chamber packing. piston packing(O-ring)and piston assembly. 聯繫經銷商或VFC維修
	Two Beep sound: When you are incorrect voltage of the battery shooting. The gears are not working correctly, or the gear sensor is blocked by something. Beep 兩聲: 運作時齒輪偵測錯誤或是齒輪光學感 應器上有髒汙	
	Four Beep sound : 1. When you are shooting " Low Voltage Alarm ". 2. You have connected a battery over 13.6 voltage. Beep 四聲: 電槍運作時低電壓警告或 接上電壓超過13.6V電池	
	Six Beep sound: 1. Trigger sensor is blocked by something 2. Trigger was depressed when the battery was connected. Beep 六聲: 扳機感應器被遮蔽或連接電池時扳 機被壓住。	

If you have any other squestions, please contact your dealer or email us at  
[service@vegaforce.com.tw](mailto:service@vegaforce.com.tw)  
 如果您有其它問題，請向您購買的經銷商聯繫或寄電子郵件至  
 我們公司信箱[service@vegaforce.com.tw](mailto:service@vegaforce.com.tw)

## -MAINTENANCE-



### ◎ After Operation 射擊完畢後

- Point the gun in a safe direction, remove the magazine and fire the gun in semi auto mode to clear the barrel and release the internal spring. Then set the selector to SAFE.  
槍口指向安全位置，卸下彈匣及扣扳機釋放，然後將選擇鈕轉向保險位置。
- Be aware a BB may still be in the barrel after the magazine is removed, or if the magazine is empty.  
檢查卸下彈匣後槍管內是否還有 BB 彈，以及彈匣是否清空。

### ◎ Cautions on Motor and Battery 注意馬達及電池

- If the rate of fire noticeably drops, recharge the battery or replace with a fully charged one.  
若射擊速度明顯下降，請將電池充電或更換已充電電池。
- Allow adequate time (5-10 minutes) for motor and battery to cool after shooting 500 rounds continuously.  
射擊 500 發之後留約 5~10 分鐘的時間讓馬達及電池冷卻。

### ◎ When BB's Are Clogged BB 彈卡住時

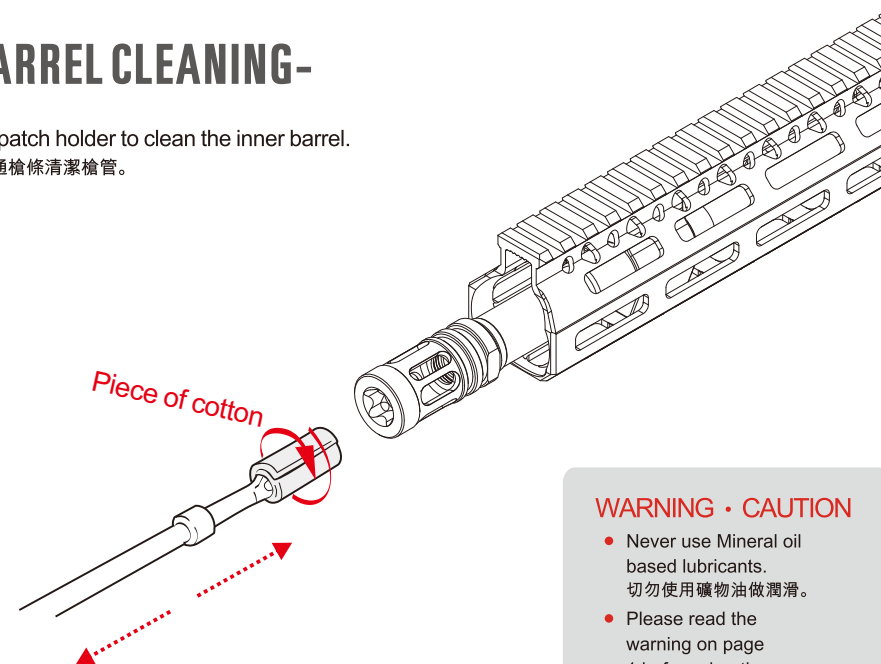
- If a bb jam occurs, remove the magazine and clear the jam using a cleaning rod.  
如果卡彈，卸下彈匣並將卡住的 BB 彈清除。
- Apply a few drops of silicone oil the Hop-up service port. If you are unable to clear the jammed bb's, contact your nearest authorized dealer for service.  
滴些許矽油在 Hop-Up 座上。若您無法清除卡住的 BB 彈，請與附近的經銷商聯繫。

### WARNING • CAUTION

- Never use Mineral oil based lubricants.  
切勿使用礦物油做潤滑。
- Please read the warning on page 1 before shooting.  
射擊前請詳讀第一頁注意事項。

## -BARREL CLEANING-

Use patch holder to clean the inner barrel.  
使用通槍條清潔槍管。



### WARNING • CAUTION

- Never use Mineral oil based lubricants.  
切勿使用礦物油做潤滑。
- Please read the warning on page 1 before shooting.  
射擊前請詳讀第一頁注意事項。



