

# E-BLANKS MAINTENANCE MANUAL



Revision 6 - 2023

## **WARNING**

**Please read and understand this user's manual before taking your new E-blanks out of the box. It is vital to your safety and to the safety of others that you accurately follow the information contained in this manual.**

**If you have any questions, please send e-mail, or write to:**

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3732 Skien, NORWAY**

## **CONGRATULATIONS!**

This Electronic Blanks (E-blanks™) product has been designed and manufactured to meet the highest international quality standards. E-blanks is a precision-instrument that serves as a tactical training device, a tool for shooting skills development, and as a means for teaching safe firearms handling. Used and maintained correctly, it will serve you dependably for many years.

To make sure you get the best performance and reliability from your E-blanks product, please read, and follow the procedures outlined in this manual. Please note that like any other training device used with weapons, E-blanks requires safe firearms handling to be a safe product. Like many other electro-mechanical devices, E-blanks products are inherently safe unless they are handled in a careless or irresponsible manner.

**You should become familiar with your E-blanks product and its operation before use or firing of the weapon with E-blanks installed. Please study the instructions carefully and make sure you understand the E-blanks operating guidelines.**



## SAFETY INFORMATION



- E-blanks is not a toy.
- E-blanks is intended for professional training in a supervised and safe environment.
- Never use E-blanks when under the influence of alcohol, drugs or circumstances where your judgment might be impaired.
- Always store your E-blanks in the provided case.
- Your E-blanks product is a precision instrument designed to function within certain parameters. Never attempt to modify your E-Blanks or otherwise alter its function.
- E-blanks is a training and simulation system only; take care not to enter live firing situations with the system installed in the weapon.
- **Use only the accompanied E-blanks charger and follow the corresponding charging procedure as described in the maintenance manual.**

### **E-blanks safety is your responsibility**

E-blanks is a training simulation system for real weapons and its safe and legal use is the sole responsibility of the user.

Green Ammo AS shall not be responsible in any manner whatsoever for malfunction of the E-blanks products, for physical injury or for property damage resulting in whole or in part from (1) criminal or negligent use, (2) improper or careless handling,

(3) unauthorized modifications, (4) defective or improper equipment, (5) corrosion, (6) neglect, or (7) other influences beyond Green Ammo AS direct and immediate control.

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## 2 INSPECTION

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Before you start with your installation it is important to inspect the equipment. If something is not right using it might damage or destroy other parts of the system.

### 2.1 BOLT

1. Check the unit for damages
2. Make sure the wheel and spring mechanism is working by pushing the wheel forward and releasing it
3. Check the Pogo pin connectors for damages
4. Make sure there is no blockades or debris inside the muzzle connector

**Important Note:**

Do not slam your weapon closed after installing E-blanks.

Make sure no magazine is installed when closing the weapon.  
Failure to do these procedures may damage your E-blanks system!



## 2.2 E-MAG

1. Check the unit for damages.
2. Press the circle button to see that the display is working.
3. Inspect the top and make sure nothing is blocking the electrical contacts.
4. Test the E-mag in the weapon to make sure it runs smooth and locks correctly.



## 2.3 RECOIL

1. Inspect all corners and sides for damage.
2. Pull the back part of the stock back and let it go to see that it springs back into position.
3. Press the circle button once to power it on.
4. Press one of the buttons to make the recoil stock do a sequence.
5. Hold the circle button for 2 sec to turn the recoil off. The LED will glow red for a 3 sec, and the stock will fire two times.



## 2.4 SOUNDBOOSTER

1. Inspect all corners and sides for damage.
2. Press the circle button to activate, it will make a sound and the LED will glow green
3. Press the diamond button to increase the volume, press the circle to decrease the volume.
4. Hold the circle button for 2 sec to turn the booster off again. The LED will glow red for a short time and make a sound two times.

## 2.5 CHARGER

1. Check that the cables are not broken or looks damaged.
2. Make sure there is no debris in the connector slots

## 2.6 MUZZLE AND LASER

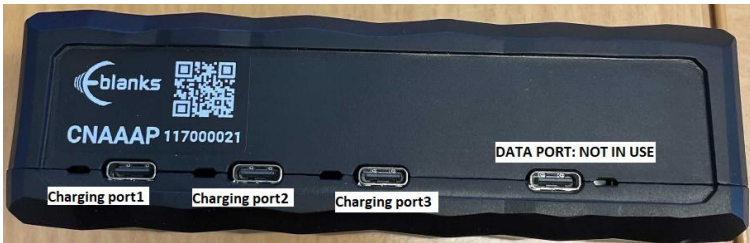
1. Inspect muzzle rod for damage.
2. Check if connectors at each end is not loose.
3. Inspect inside muzzle and laser to see if connector is damaged or clogged



### 3 CHARGING

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1. Inspect the USB C cable and power cable for damages
2. Attach the power cable to the power socket on the charger
3. Insert USB C Cables into the charging slots on the charger.
4. The lights next the slot charging will start glowing green when it is charging.
5. After 30 – 60 minutes the light will blink green indicating that the unit has been charged.



### 3.1 CHARGING THE MAGAZINE

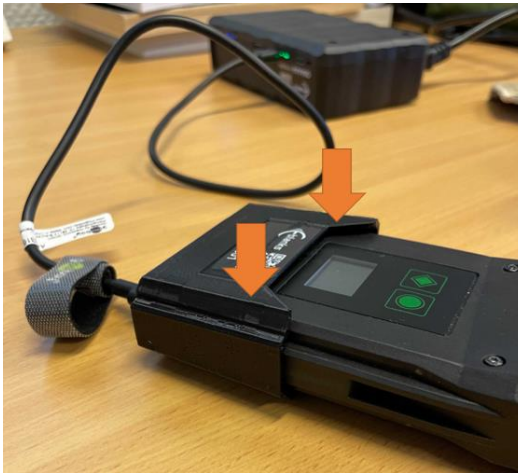
The magazine will need to be charged to full capacity before resetting the round pool of 300 rounds.

#### 3.1.1 Attaching the Magazine adapter

1. Put the adapter over the magazine with the notched part at the same side as the display.
2. Push down firmly until magazine adapter locks onto magazine notch.

#### 3.1.2 Taking off the magazine adapter

1. With both thumbs press down on each side of the front of the magazine adapter
2. The when the adapter is released from the magazine notch, push the adapter off the magazine.



# 4 TROUBLESHOOTING

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## 4.1 CALIBRATION

To have E-blanks work properly to any weapon within the AR—15 family it might be necessary to calibrate the system (If not done, the weapon could fire unintentionally, or fire on automatic fire, or that the shooting does not work at all).

To calibrate E-blanks to the weapon in use:

1. Install the E-blanks Bolt into the weapon
2. Set the selector into single shot
3. Fire the trigger so that the hammer is in forward position
4. Go into the magazine menu and click Calibrate
5. Click New, The Magazine screen will show countdown
6. Insert the magazine into the weapon before the timer reaches 0
7. Wait for the calibration process to be completed
  - a. Light will first be red
  - b. Then there will be some mechanical actuation and a sound
  - c. Then when the light has turned green
  - d. Take out the magazine or pull the charging handle to start training
  - e. Now the E-blanks Bolt is calibrated to the weapon.







## 4.2 BOLT

### 4.2.1 Purple light

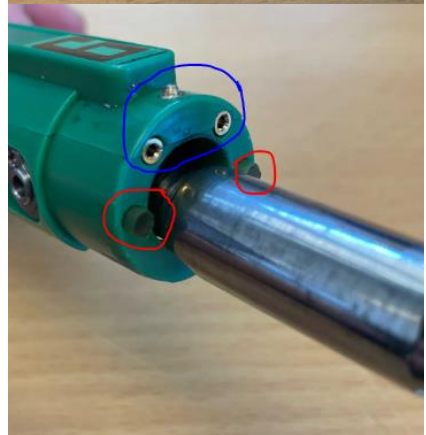
A purple light indicates that something happened that prevented the hammer to reset.

- Try loading a new bullet into the chamber
- Calibrate the bolt to the weapon as described in paragraph 4.1
- Open the weapon, inspect for any blockades
- Clean the hammer driver as described in 4.2.2

#### 4.2.2 Cleaning the hammer driver(only to be done by authorized personnel)

If the Bolt is going slow or something has jammed in the hammer driver it can be cleaned by:

1. Push the pin on the driver down with a small object like a screwdriver while pulling on the hammer driver body to disassemble the unit.
2. Inspect both units for damage
3. Using compressed air blow the body and plunger clean
4. Inspect the power connector holes for debris or damage (marked on image below)
5. Make sure that **BOTH** rubber dampeners are attached and are installed (marked on image below)
6. Wipe the plunger down using a piece of cloth or similar
7. Assemble the hammer driver again, make sure rubber dampeners are installed and that the body is oriented in the correct direction.

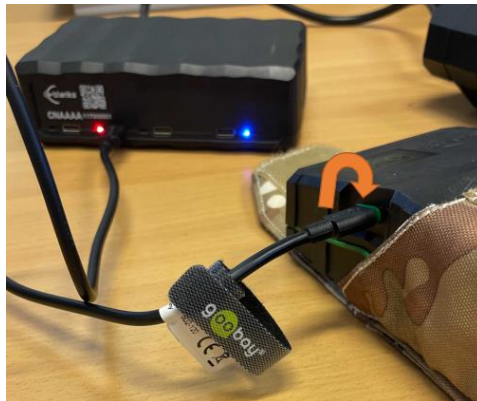




## 4.3 CHARGER

### 4.3.1 LED is glowing red

A red light indicates that something is wrong. Note for Soundbooster it might help to rotate the USB C connector 180 degrees



#### 4.3.2 Unit does not charge

- Observe that the correct USB C Cable is being used
- Make sure the connector and ports are clean without obstructions
- Try all charging ports

#### 4.3.3 Unit has been charging for more than 60 minutes.

If the unit has been charging for more than 60 minutes the battery cells might have been below the average % before charging. Let the unit be in the charger until the LED starts blinking green.

#### 4.3.4 Unit has been charging for more than 120 minutes and the LED is glowing red

The batteries or the charging port in the unit is damaged and needs to be inspected.

### 4.4 CONTACT INFORMATION

Contact Green ammo AS via E-mail at: [info@greenammo.com](mailto:info@greenammo.com).

Remember to always include **Contact information** and **Serial number** written on label of E-blanks unit.