

# AMMO COUNTER

## UNIVERSAL KIT 3.0 INSTRUCTION MANUAL



### ENGLISH INSTRUCTIONS

#### PACKAGE CONTENTS

1 x "AmmoCounter Universal Kit"  
1 x Instruction Manual

**Warning:** All packaging materials, such as tape, plastic wrap, wire ties and plastic bags are not part of this product and should be discarded.

#### BATTERY INFORMATION

The "AmmoCounter Universal Kit" works with a 1 x 9V battery. It can also be connected to a DC power source between 5V-24V.

**Note:** This product does not ship with a battery, and will require a secure connection before use.

Batteries are to be connected with the correct polarity. The supply terminals are not to be short circuited.

Failure to install the batteries in the correct manner could result in damage to the product and the voidance of your warranty. Remove the batteries if you are not going to use the counter for a long period of time.

#### Environmental Protection

Unwanted electrical appliances can be recycled and should not be discarded along with regular household waste! Please actively support the conservation of resources and help protect the environment by returning this appliance to a collection center (if available).



#### PRODUCT FEATURES

Please refer to the numbers and arrows in the illustration above.

- LED Display:** The display shows the current count and allows you to set and change settings using the menus.
- Toggle Down:** Press this button to reload, press again to decrease the magazine size preset.
- Toggle Up:** Press this button to reload, press again to increase the magazine size preset.
- Power switch:** Toggle this switch to turn the power off or on.
- Set Screws:** Remove these screws in order to change the position of the counter face.

#### INSTALLATION

**Note:** Before installing the counter, remove the wire tie from the wire leads.

You may need a soldering iron, wire cutters or a 9 V battery for this installation.

You can change the position of your counter face by removing the 2 screws (Fig. 5) in the rear.

Gently pull the face out of the outer shell and choose the correct position for your counter.

#### INSTALLATION (Cont.)

**WARNING:** Make sure that the power wires are clear of the screws when repositioning the counter face.

Reposition the face and push it back into the outer casing. Replace the 2 screws (Fig. 5) in the rear.

The back of the display board connectors has connectors for Power, IR Beam/Switch and Reset.

**Power:** The internal red/black leads are connected to a step down converter located in the back of the casing.

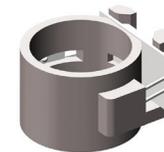
The step down converter is rated for any voltage input from 5V to 24V. Additional information on this part can be found on [www.ammocounter.com](http://www.ammocounter.com).

The external power red/black leads are soldered to a 9V battery clip.

Attach a 9V battery OR cut the leads and connect to any DC power source between 5V to 24V.

Once the power is connected, turn the counter on by locating the toggle switch in the back. (Fig. 4)

**IR Beam:** The counter ships with an internal IR beam assembly.



IR Beam Assembly

This assembly can be installed internally in your blaster or externally in a sunlight proof enclosure.

**Reset:** The reset connector is optional. To activate it, connect 2 wires to the pins labeled reset.

The reset switch can be rewired the clip safety switch in an electronic blaster.

The reset function will activate when the 2 wires are connected.

**Note:** There are installation videos available on our website [www.ammocounter.com](http://www.ammocounter.com)

#### CHANGING MAGAZINE PRESETS

- Press and hold **+** to enter the magazine menu. The displayed magazine size will start to flash.
- Press **+** or **-** to change the magazine size.
- Press and hold **+** or **-** to save your changes.

**Note:** Setting the Magazine Size to 00 will put the display in Count Up mode.

#### ADVANCED MENU

- Press and hold the **+** button to enter the menu.
- Press **+** or **-** to change the menu pages.
- Press and hold **-** to select a setting.
- Press **+** or **-** to edit the setting.
- Press and hold **+** to save and exit, or press and hold **-** to save and return to the menu.



**A1** Auto Reset (A0 - A9) : Number of seconds after 00 is reached before auto reset.



**b5** Brightness Level (B1 - B5) : Adjust the brightness of the LED display.



**C3** Calibration Idle (C0 - C9) : Adjust the calibration of the IR beam idle.



**L1** Low Ammo Warning (L0 - L9) : Set the counter to blink when the ammo is low.



**F1** Fire Detector Type (F0, F1) : F0 should be set for trigger, F1 for IR beam.

#### FACTORY RESET

Hold both **+** and **-** together for 2 seconds to reset all saved settings.

#### TROUBLESHOOTING

**The unit has stopped counting ammo.**

Try replacing the battery or do a factory reset in order to recalibrate the counter.

**Display counts once when power is turned on.**

Check your fire switch connection and make sure it is secure.

**I have to press reload after powering on.**

Enter advanced settings and change the fire detector type.

**Display is unresponsive, or just keeps blinking.**

The batteries are low. Minimum voltage is 3.6 volts for the display.

**Note:** Please visit us at [www.ammocounter.com](http://www.ammocounter.com) for more troubleshooting information.

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