

The latest digital technology

TRIGGER MASTER

Full AEG Fire Control Computer

unconventional-airsoft.com

TriggerMasterMark III

With the Trigger Master your gun will now be capable of this **and more**:



Now With Screw Terminals!
 Reduced need for soldering and connectors
 means the easiest installations yet!

- x **Semi-auto**
- x **Full-auto**
- x **3-Shot Bursts** (with or without full-auto)
- x **Semi-only operation**
- x **Semi-only with shot delay** (for Sniper/DM guns)

Bursts complete even if trigger is released early!

- 100% MOSFET Technology
- Only the best! Can deliver **450A peak**, and **60A sustained!**
- Active Braking
- Battery monitoring
- Low-battery warning
- Soft-start of motor for reduced wear
- *Automatic* sensing of all gear timing!
- Adjustable rate-of-fire motor speed
- **Screw terminals for wire connections - the easiest installations yet!**
- Advanced configuration functions are now even easier to use!
- Temperature and current protection and monitoring for your gun!

Optional Wire and Connector Kit Contents:

#16 Gauge Red and Black Motor and Battery Wires



Large Deans Battery Connector



AEG Motor Connectors (Two kinds)



#24 Gauge Trigger Wires

Heat Shrink Tubing

#16 Gauge wire is for battery and motor connections. The thicker wire is needed to handle the high currents involved.

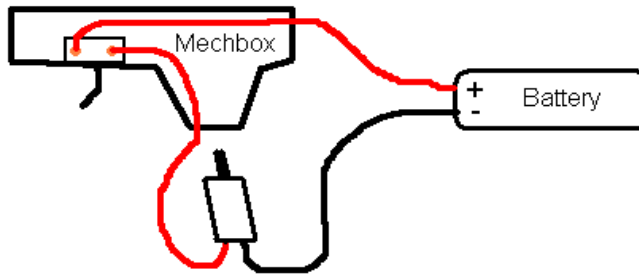
#24 Gauge wire is used for the trigger switch. Heat shrink is provided to insulate connections.

The Deans connector is used for high-current connections. It can be used to connect the Trigger Master to your battery.

Use the AEG motor connectors that fit your motor the best. If you don't have a proper crimping tool, bend the crimp ends around your wire and solder it. Use heat shrink to cover and insulate the resulting connector.

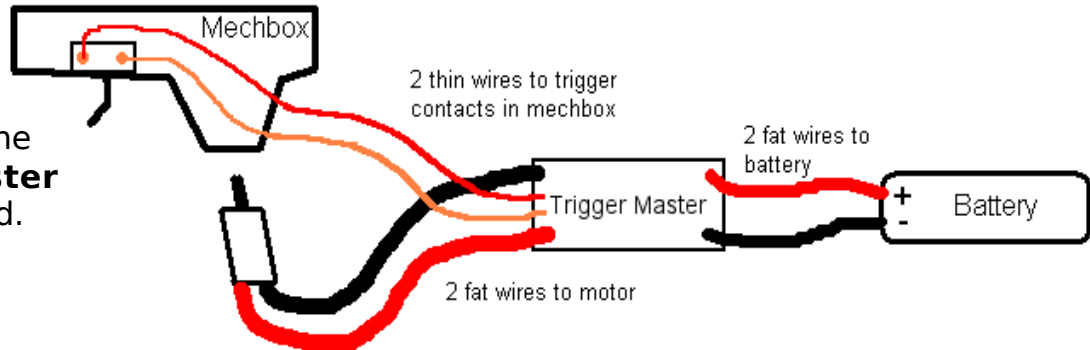
WIRING REFERENCE INFO - KEEP THIS PAGE

The diagram to the right shows how a normal AEG is wired.



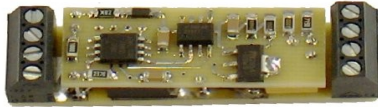
The trigger switch contacts are wired to connect power directly to the motor when pulled.

This diagram shows how the **Trigger Master** must be wired.



Screw-Terminal Connector Identification

Battery +
Battery +
Battery -
Battery -



Motor +
Trigger S
Trigger +
Motor -

Your Trigger Master has a label indicating which screw terminal is which. This is how it looks with the label removed.



Twist together wire pairs (+ and -) whenever possible and practical. Doing this greatly reduces the electrical noise generated by the gun's operation.

Deans Connectors

Positive

+



Negative

If you are using Deans connectors in your installation, ensure you follow the wiring and polarity standard shown in the diagram. Female connector is for power sources (like the battery.)

Note that the plug housings have "+" and "-" marked on the plastic where you will solder the wires. Insulate the wire connections with heat shrink.

To Trigger Master



To Battery



Motor Connectors



Straight



Right-Angle

Included in the optional wiring and connector kit are 2 sets of Motor Spade Connectors. Use the pair that matches your motor and gun.

These connectors fit onto the + and - terminals of an AEG motor. If you do not have a proper crimping tool, it is recommended that you fold the crimp ends around the motor wires and solder them. Use heat-shrink tubing to cover and insulate the connectors to prevent shorts.