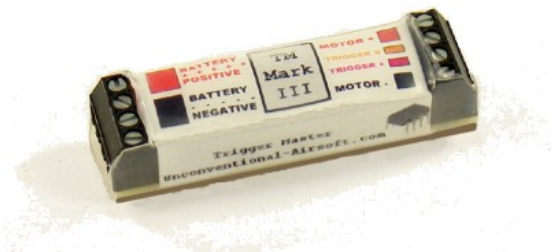
The latest digital technology

TRIGGER MASTER

Full AEG Fire Control Computer

trigger-master.com

TriggerMasterMark III



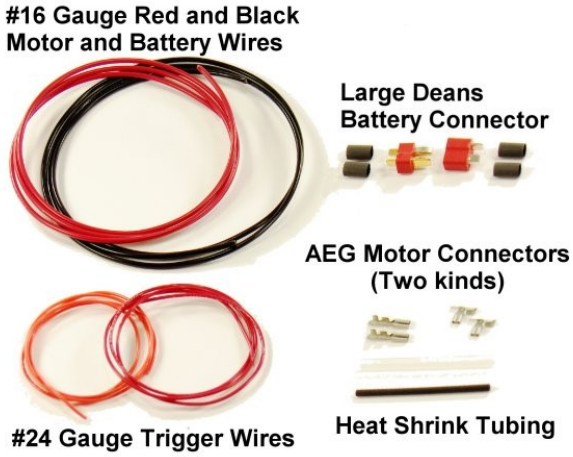
Now With Screw Terminals!
Reduced need for soldering and connectors means the easiest installations yet!

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

- ✗ **Safe-Semi-Full**
- ✗ **Safe-Semi-Burst**
- ✗ **Safe-Semi-Burst/Full** (Hold trigger down after a burst to go fullauto)
- ✗ **Safe-Semi-Semi** (semi-only)
- ✗ **Semi-only with shot delay** (Forced delay between shots for Sniper/DM guns)
- ✗ **Safe-Burst-Full** (New Bonus mode!)

- 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!
- Li-Po compatible out-of-the-box!
- Adjustable rate-of-fire motor speed
- **Adjustable burst length** (default is 3-round bursts)
- Advanced configuration functions are now even easier to use!
- Let it "just work", or try the options!

Optional Wire and Connector Kit Contents:



#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.

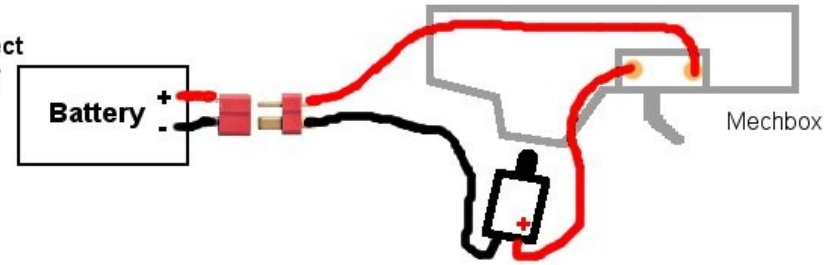
The Deans connector is used for high-current connections. It can be used to connect the Trigger Master to your battery.

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

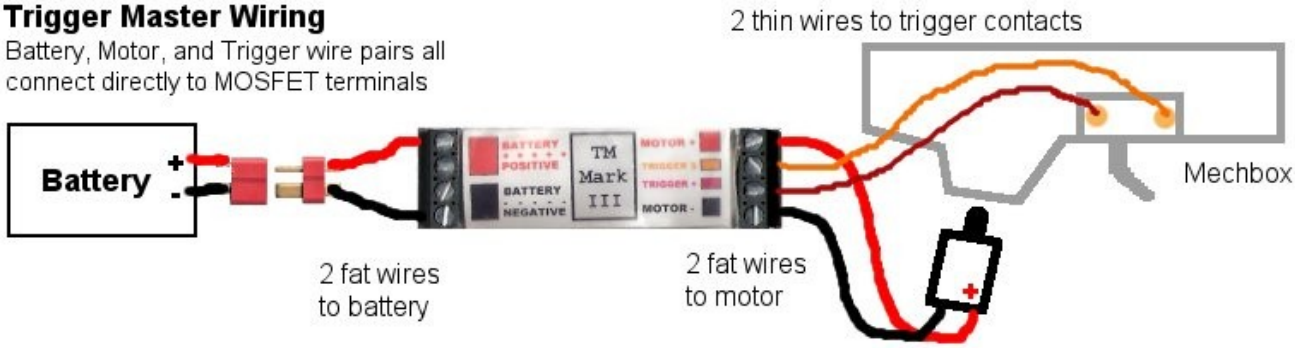
Normal AEG Wiring

Trigger contacts connect power directly to motor when trigger is pulled.



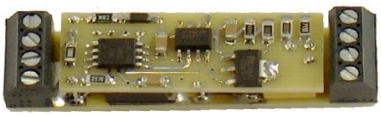
Trigger Master Wiring

Battery, Motor, and Trigger wire pairs all connect directly to MOSFET terminals

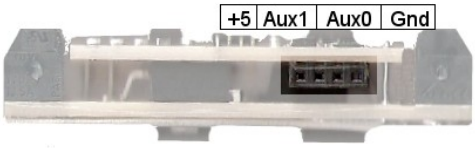


Screw-Terminal Connector Identification

Battery +
Battery +
Battery -
Battery -



Motor +
Trigger S
Trigger +
Motor -

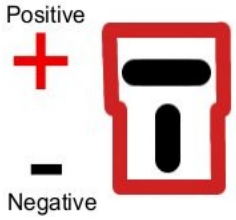


Your Trigger Master has a label indicating which screw terminal is which. This is how it looks with the label removed.

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

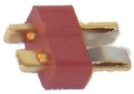
AUX connector (for developers only): The aux connector is on the side. This socket is <u>not used except for special purposes</u> and may be ignored for normal use.

Deans Connectors



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, then solder them. Use heat-shrink tubing to cover and insulate the connectors to prevent shorts.