

# SHORT INSTRUCTIONS

LED V5 #170 and up

## Quick notes on features, operation, and things to watch out for:

1. Use only 12, 18, or 24 volt batteries for power.
2. Outputs can provide 3 amps continuously, 5 amps for 10 seconds, 15 amps for 1 second.
3. **RED** terminals are the common side of circuit (reverse polarity). All **RED** terminals are connected together.
4. Outputs are shunted when not armed or in galv mode. This provides increased safety within limits.
5. Outputs have a back EMF diode to allow use of relays and solenoid valves.
6. Ensure that XLR extension cables do not have the shell connected to pin 1.
7. Galv test uses 11 volts and .002 amps. This is perfectly safe, but will light LEDs if they are used to test the outputs.
8. Speed knob numbers are for reference only and do not represent an exact value.
9. Allow 1.5 seconds after arming before firing for the outputs to un-shunt.
10. Cascade connection between older and newer boxes may not work. This can be corrected in the older box.

**These are the main things to pay attention to. Please read and understand the long instructions for clarification and before using the Klunker box.**

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