



Charging & Connecting the Batteries

Assembling the Charger

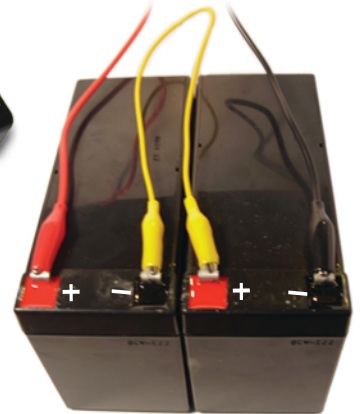
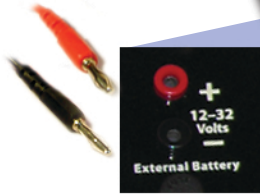
Connect the **Red wire to the Positive (+)** terminal and tighten the screw.
Connect the **Black wire to the Negative (-)** terminal and tighten the screw.

Charging the battery

Clip the **Red alligator clip** to the **Red (+) battery terminal** and the **Black alligator clip** to the **Black (-) battery terminal**.
Plug in the charger to charge the battery.

The red light on the charger will light up to indicate the battery is charging.
The green light will indicate when the battery is fully charged.

Charging times will vary. We recommend that you allow 6-8 hours of charging time per battery to insure a full charge. New batteries may take longer. It is better to keep a lead acid battery fully charged. Fully discharging a lead acid battery will shorten its life. It is normal for batteries to lose their charge during long periods with no use. For this reason we recommend that you charge your batteries at least once every 3 to 6 months to help extend the battery's life. This charger is intended for charging 1 battery at a time.



Connecting 1 - 12 Volt Battery

Insert the **Red banana plug** into the **Red (+) connector** on the panel then clip the **Red alligator clip** to the **Red (+) battery terminal**

Insert the **Black banana plug** into the **Black (-) connector** on the panel then clip the **Black alligator clip** to the **Black (-) battery terminal**

Connecting 2 - 12 Volt Batteries in Series

Place the batteries side by side
Using the alligator /alligator clip connect the 2 batteries in series
This is achieved by connecting the **Black (-) terminal** of the first battery to the **Red (+) terminal** of the second battery

Insert the **Red banana plug** into the **Red (+) connector** on the panel then clip the **Red alligator clip** to the **Red (+) terminal** of the first battery

Insert the **Black banana plug** into the **Black (-) connector** on the panel then clip the **Black alligator clip** to the **Black (-) terminal** of the second battery

***Warning** A 12 volt lead acid battery may hold a charge up to 14 volts. This panel was design to use up to 32 volts. We recommend using either 1 or 2 batteries in a series. Using more than 2 batteries in a series has the potential of exceeding the power limits and may result in damage to the panel.

Take care not to let the Red and Black wires touch each other or other metal surfaces while connected to the battery

For additional information or questions regarding the use of the Manual Firing Panel contact ACE Pyro toll-free at 877-223-3552, or by email at info@acepyro.com

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