

**FIRESTORM
PYRO TRIGGER
USER GUIDE**

SPECIFICATION

Power	1 x 9V PP3 (Lithium battery is strongly recommended)
Output voltage	24V
Stored energy	0.3 Joules
Initial current spike	> 24 Amps
Maximum steady state current	150mA (higher current available but output voltage will drop)
Continuity Test Current	6 mA

DESCRIPTION

The FireStorm Pyrotechnic Trigger Unit is a single shot firing device for triggering pyrotechnics and SFX such as low powered solenoid valves.

Please familiarise yourself with the operation of the unit before use and adhere to all best practice.

Ensure firing area is safe before testing or firing. Always assume the pyrotechnic may unexpectedly fire once connected to the device.

BATTERIES

We strongly recommend the device is powered with disposable **LITHIUM 9V BATTERIES.**

Lithium batteries have several advantages over normal Alkaline batteries.

- High current capacity.
- Long service life.
- Very low self-discharge when in storage, >10 year shelf life.
- Will not leak like Alkaline batteries.
- Excellent low temperature performance.

Lithium batteries such as Energizer Lithium, GP Lithium and Ultralife Lithium work very well.

OPERATION

1. Connect igniter to red and black terminals. Ensure wires do not touch. This can cause a short and prevent firing.
2. Press **TEST** button. TEST LED will illuminate red if there is continuity around the circuit. Note that TEST function only checks for open / closed circuit. It will not detect high resistance faults. Use approved multi meter or galvanometer to check exact circuit resistance if required.
3. Continue to hold **TEST** button. READY LED will illuminate once device is charged to 24V. This normally occurs < 3 seconds. Long charge times indicate low or inappropriate battery.
4. Continue to hold **TEST** button and press **FIRE** button to fire the pyrotechnic effect.
5. Device will be OFF and capacitors will be discharged < 10s when **TEST** button is released.