



Lighttoys

Boom products V2

user manual



WWW.LIGHTTOYS.CZ

Introduction

Congratulation! You have just received your new Pyroterra Lighttoys Boom device, designed for safe use of your purchased pyrotechnic effect (PE) during fire performances.

Please take a brief moment to read the following instructions in order to ensure safe and trouble-free use.

!CAUTION! Use of pyrotechnics is always subject to local laws and regulations. Please, consult them before use.



Safety first!



Whenever using Pyroterra Lighttoys Boom products always follow these basic safety rules:

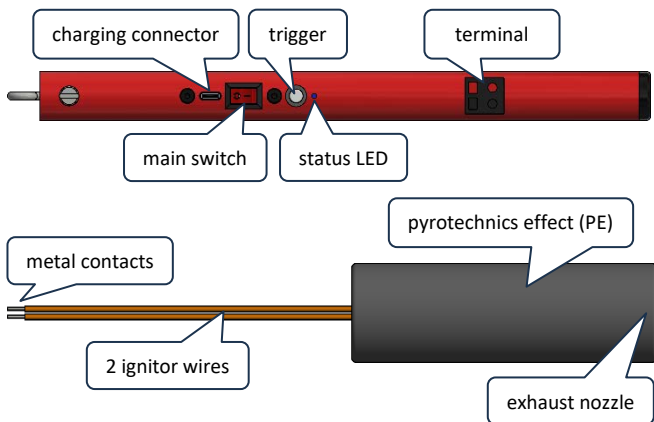
- 1) Never leave a loaded Boom device unattended.
- 2) The person responsible for the control and firing of pyrotechnics must ensure that it is safe to do so.
- 3) The loading and positioning of all devices must be done with safety foremost.
- 4) Always take into account all personnel, scenery and other objects on site. Take notice and ensure that all fabrics in close proximity are non-flammable. **Beware: PE sparks can re-ignite already burned-out fire spinning equipment!**
- 5) All pyrotechnics are potentially dangerous and must be used strictly in accordance with the manufacturer's instructions and any relevant data sheets.
- 6) Pyrotechnic devices must only be used by competent adults. If misused they can be very dangerous and cause serious injuries.

Proper use

In order to use Boom devices you need to purchase a pyrotechnics effect (PE). We recommend stage effects called: gerbs or silver fountains.

To obtain suitable PE we suggest contacting your local pyrotechnic resellers, or search for suppliers on the internet. Pyrotterra had good experience with the Le Maitre Ltd. pyrotechnics provider: <http://www.le-maitreltd.com/>.

BASIC TERMS



How to attach PE to Boom device

- 1) Remove any paper or plastic wrap from PE, in order to prevent the PE from getting loose during spinning.
- 2) Firmly attach the PE to the end of the Boom device using strong adhesive tape (i.e. duct tape). Make sure that the PE's exhaust nozzle is pointing away from the Boom device.

Note: Do not use any metal or plastic fasteners or O-rings, in case of PE failure, they could shatter to pieces and cause injury.

- 3) **Optional:** for Boom devices with multiple PEs (Boom Stick, Fans, Dragon) switch on the main switch and individually check each PE (one-by-one) by plugging the metal contacts of the 2 ignitor wires into the nearest terminal. Be careful not to touch the trigger and always point the PE from your body.

The status LED should shine in red color. If not, the ignitor in the PE is faulty and the PE must be replaced. Switch off the main switch after the test is over.

Note: To open the terminal, press on the plastic tabs lightly.

- 4) Attach the ignitor wires of all the PEs to their nearest terminals. Make sure the metal contacts are not exposed and the 2 wires don't touch each other (it would create a short-circuit and the PE wouldn't work).
- 5) To verify the connection of PE, turn on the main switch and make sure the status LED is shining in red color.

The Boom device is now ready for your spectacular performance by pressing the trigger button!

Note: After the performance make sure to disconnect all the PE wires from the terminals in order to prevent any potential damage to the battery.

Maintenance and charging

Charging

The newer Boom device V2 is charged by any standard 5V USB charger via its USB-C charging connector.

The charging is indicated by the blue color of the status LED. Once the charging is finished, the status LED stops shining.

A fully charged battery, will last up to about 30 ignitions. We recommend charging the Boom device every 2-3 months, even if the device is not used. It's also good practice to charge before every major show.

The older Boom device V1 is charged via a proprietary Lighttoys charger with a 3.5mm jack connector.

Maintenance

Periodically clean the terminal contacts mechanically to protect them from chemical corrosion and pyrotechnic residue. You can also use damp cloth with isopropyl alcohol to do so.

Warranty and service

All Pyroterra Lighttoys Boom products are covered by one year warranty. The warranty will be voided should the product get in contact with water, misused or improperly maintained.

In case of any issue or further questions please refer to our support page first:

www.lighttoys.cz/support.

You can also contact us via email at:

eshop@pyroterra.cz

Disclaimer

Usage of any of Pyroterra Lighttoys Boom products is entirely at your own risk and Pyroterra Lighttoys do not take any responsibility or liability for any potential accidents, injury or damage.

Products

BOOM POI V2

Specially designed for pyro effect during poi spinning.
Used as a pair, each Boom Poi has one PE attached.



Weight: 122g (4.3oz) / 1 piece

Length: 28cm (11.0in)

No. of ignitions: Up to 30 ignitions

Charging time: 1 hour / 1 piece

Battery: Li-ion 3.7V

BOOM STICK V2

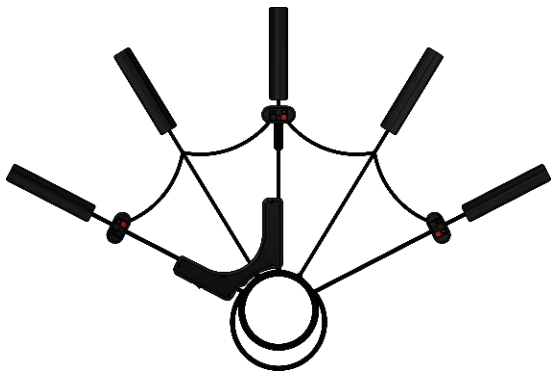
Specially designed for pyro effect on staff. 2 pieces of
PE are attached on each end of the staff.



- Weight:** 234g (8.3oz)
Length: 100cm (39.4in)
No. of ignitions: Up to 30 ignitions
Charging time: 1 hour
Battery: Li-ion 3.7V

BOOM FANS V2

Specially designed for greatest pyro output. You can attach up to five pieces of pyrotechnics on one fan.



- Weight:** 380g (13.4oz) / 1 piece
Length of rod: 31cm (12.2in)
Center ring: Diameter 8cm (3.1in)

No. of ignitions: Up to 15 ignitions
Charging time: 1 hour / 1 piece
Battery: Li-ion 3.7V

BOOM DRAGON STAFF V2

Specially designed for pyro effect during contact staff spinning. 3 pieces of PE are attached on each end of the staff.



Weight: 600g (21.6oz)
Length: 150cm (59.1in)
Diameter: 24mm (0.9in)
No. of ignitions: Up to 15 ignitions
Charging time: 1 hour / 1 piece
Battery: Li-ion 3.7V

CE CERTIFICATION

The device has been tested for electromagnetic compatibility and fulfills the CE- Norms.

The Boom products are powered by extra low voltage (ELV), and meets the requirements set by DIN EN 61140 (VDE 0140-1) Safety class III.



Team Pyroterra Lighttoys

wishes you many hours of
spinning enjoyment...

