



V3. Pyro Gauntlet

Operation and Maintenance Manual

Designed and Fabricated by
CirqueSanity LLC.

Legal Statement: This device is sold “as is” and the operator assumes all risks and liabilities associated with operation of this device. Neither CirqueSanity LLC nor it’s owners, employees or affiliates can be held liable for any consequence arising from use or miss-use of the Pyro Gauntlet device. Never allow children to operate. Intended for professional special effect use only.

Specifications and Safety Information:

The Pyro Gauntlet is shipped fully assembled with all fittings pressure tested for leaks. The hose fittings are permanently crimped for long life. This device is not intended to run on large propane tanks. **Only use 1lb Disposable Propane cylinders with the correct fitting.**

Hose Care: check hoses and fittings carefully before use. Never use if the hose is damaged. Do not unscrew the hoses unless a leak is detected. All screw connections are sealed and will require new thread tape, if removed. Test the system for leaks before use. The easiest method is to carry soapy water in a small spray bottle. Pressurize the system and spray soapy water onto the joints - if any bubbles are produced, gas is escaping.

Variable Regulator: The Pyro Gauntlet is designed for theatrical performance and the attached regulator delivers up to 60 PSI at the Gauntlet valve. This is the max desired pressure/gas flow to ensure full ignition.

The jet igniter is an expendable component, which is why you order this separately - you may need to replace this, and we recommend having a spare on hand.

Consider your environment! Do not use in small enclosed spaces. Please take safety precautions very seriously when using this device, using propane gas involves greater inherent risk than typical (liquid fueled) fire props.

OPERATING INSTRUCTIONS:

- 1) Fill the **Pilot Igniter** torch with Butane gas. Allow it to settle for 5min before use. Ensure you have a fully charged 12v battery pack. **Never start with a low battery.** *Familiarize yourself with operating this pilot igniter torch and how to adjust the flame size prior to use with Pyro Gauntlet.*
- 2) Prior to use, visually inspect the apparatus and ensure there is no damage and that all parts are secure. See **Hose Care** above.
- 3) Slide the pilot igniter into the rubber mount on the gauntlet, as shown in picture.
- 4) Ensure the regulator valve is screwed OUT (loose, but not fully unscrewed) and that the safety valve is turned OFF (red handle at 90deg to hose)
- 5) Screw the propane bottle onto the regulator. Only use Colemans 1lb green propane tanks - or equivalent. **Do not tighten the regulator until ready to use.**
- 6) Place propane tank and regulator into backpack, attach the 12v Battery pack and turn this on. There is a pocket for the battery pack.
- 7) Final step - Before wearing the backpack: Open the safety shutoff valve (inline with hose) Tighten the regulator a small amount, enough so that when you press the trigger, you hear a SMALL gas burst. During your first session, familiarize yourself with the amount of pressure that works best for your needs. *When you light up, Start small and work up!*
- 8) **ONLY WHEN YOU ARE READY TO BURN - with all safety checks complete:** Light on the pilot igniter igniter and while holding the ignition switch on, Adjust the igniter flame to ~50%. You can adjust this, and the precise placement of the pilot flame to optimize your gas ignition.
- 9) Pointing the Pyro Gauntlet away in a safe direction, use the thumb trigger to release flame burst. Be safe and if you smell propane or hear gas flowing when the trigger is not being pressed, immediately shut off the gas supply using the safety valve next to regulator.
- 10) **AFTER USE:** Switch off pilot igniter and remove from gauntlet. Unscrew pressure regulator until loose (never separate the tap from the regulator, just enough to stop gas flow). Unscrew gas tank from regulator. Vent any remaining gas from system by pressing trigger. Disconnect battery.

