
GET YOUR RC HOT AIR BALLOON @
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INSTRUCTIONS:

Operating the Burner

1. Your Radio Controlled balloon is ready to fly! There are a few easy steps to take to inflate your radio controlled hot air balloon. Your radio-controlled balloon comes with three EMPTY propane fuel tanks. You will need to purchase three full tanks at any hardware store and replace the empty ones in your gondola. From then on you can

use a refill adapter to refill your tanks from any larger 5-gal propane tank for pennies per fill.

2. The first step is to be aware of the components of your balloon. Your balloon should have been shipped with the Envelope already attached to the Gondola.
3. Your Gondola is made up of several different components, very similar to a full size balloon. The system runs off of three propane fuel tanks. The single tank on the right side of the Gondola is to power your pilot lights. These pilot lights are lit when you are ready to fly the balloon, and will stay on.
4. The other two main tanks feed fuel to the jets below the pilot lights via the servo-controlled valve. Be aware when you burn! This system will emit a hot blue flame of up to 5ft.
5. It is a good idea to operate your burner system without actually inflating the envelope to become aware of how these components work.
6. The first step is to make sure your fuel tanks are full. Fuel tanks can be purchased full from any hardware dept. The tanks can be refilled via a refueling valve from any 5-gallon BBQ grill tank, or may be purchased and discarded after use.
7. The full fuel tanks should be secured inside the Gondola and attached tightly to the fuel line valves.
8. Make sure your radio system is OFF during inflation. Turn on your two main fuel lines via the black round valve knobs. You will need a small lighter to now light the pilot lights.
9. Turn your black round pilot fuel line valve about one full turn open until you hear fuel out of the pilot jets. Light both pilot jets until you see a 1" blue flame out of each pilot jet.
10. The burner system can now be operated manually, without the radio, by turning the servo head clockwise until fuel flows from the two burner jets. The fuel will ignite as it passes over the burning pilot lights. This is called a burn. You can now turn the radio system on, by first turning on the receiver unit in the bag hanging from the side of the Gondola. Turn the black switch to on running from the battery pack to the receiver. Now turn on your radio by turning the switch on the transceiver to on. Your burner control should run off of channel one, which is the left control stick. Pushing this stick forward operates the servo valve on your Gondola. You can now operate the burner system by radio control. Shut down the system by first shutting off your two main tanks feeding your burner valves. Next shut the valve off to your pilot light system. Once the flame is extinguished from the pilot lights you can manually operate the burner valve to bleed the extra fuel out of the lines.

Inflating the Balloon

1. Inflating your balloon consists of filling the envelope with as much cold air as possible via an inflation fan.
2. Roll the balloon out on a tarp or clean grass surface. The Gondola will be lying on its side with the scoop of the balloon lying against the ground. Place fan at mouth of balloon, having an assistant hold the mouth of the balloon open. Any household fan should be sufficient to cold inflate your balloon. The fan will now inflate the balloon to almost full, with the balloon lying on its side.
3. Visually inspect the top of the balloon to make sure the Velcro seam is fastened. You can now follow the same procedure on igniting your burner system. After your pilot lights are lit, and the system is ready you will lean the gondola up into the mouth of the balloon with the fan still running. You can now manually operate the burner system with short blasts of heat, aiming the flame into the center of the balloon. The air inside the balloon will begin to heat, lifting the envelope to an upright position.
4. NOTE: Make sure your balloon is securely tethered to the ground with a tether line at all times!
5. Remember tether flying your balloon should only be done in winds 5mph or less! Free flying your balloon should only be done in winds that are 0-1 mph. We recommend not free flying your balloon until you are very confident in tether flying. Free flying your Balloon should only be done in a wide-open area free of buildings, power lines, etc. This area should be no smaller than 5 acres.

Last but not the least, a radio control hot air balloon is not a toy. Once your tanks are filled with Propane you must

proceed with extreme care to assure that all equipment is maintained and operated properly at all times and in full compliance with government and industry regulations.

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