Radio Controlled Outdoor Blimp

Blimps make a very powerful statement based on their uniqueness.

Radio controlled blimps are better than the real thing as they can be brought to a location within a moments notice, less expensive and open booking times with short term rentals.

These Blimps, although smaller than the manned airships, look identical when viewed in the sky due to the ability of flying at a lower altitude.

Safety in handling these airships is our highest priority; therefore, we always take the following precautions:

- All blimps are filled with the inert gas helium. Helium is a non-flammable, non-combustible and non-toxic gas. It is not filled with Hydrogen like previous manned airships.

- The blimp has two separate envelopes: outer "non-laminated" rip-stop nylon shell and an inner polyurethane helium holding bladder. Everything is attached to the outer nylon shell with no direct stress on the inner helium bladder. This offers the maximum operating durability and safety.

- These radio controlled blimps are flown heavier than air, not near neutral buoyancy to eliminate the risk of floating away in a strong thermal and posing a hazard to full-scale aircrafts in flight. Contact Air Authorities in your country to find out if there are any air regulation specifications for these types of model aircraft.

- Select an operating site that is of sufficient distance from populated areas. We stay away from sensitive sights such as churches, parks, schools, hospitals, etc. We never fly next to spectators. The blimps are always kept at a safe altitude.

- The blimp is flown upwind so that if one engine fails there is still enough power to fly safely downwind to your setup area. It is also flown "heavier than air" so that if both engines fail it will come down and not float around as a hazard to full size aircraft.

Outdoor Radio Controlled Blimps operate much like other radio controlled model aircraft, using similar engines, fuel, batteries and radio controlled equipment.

The radio controlled equipment uses 2.4 GHz frequency which employs two of the 2.4GHz band's 80 channels in a unique protocol that delivers a redundant, ultra-reliable RF link. It automatically searches for, selects and locks onto two clear channels therefore will neither sustain interference from — nor cause interference to — any other 2.4GHz device worldwide. That also applies to its simultaneous operation in close proximity to other 2.4GHz RC radios as well. Always check with your countries regulations. Transmitters can also be purchased within your country to keep within frequency outlines.

Advertising can be added to these airships either through full colour branding of the airship or changeable banners for single events.

These blimps can either be deflated and packed away into a small storage container or placed into a trailer still inflated ready for the next day's event.

Mobile Airships Inc.
20 Ryan Place, Unit #2 Brantford, ON N3S 7S1 Canada
www.blimpguys.com info@blimpguys.com

MOBILE**AIRSHIPS**

Operators and Ground Crew

- Professionally trained and experienced operators
- maintenance done on site with spare parts carried by the crew
- only adverse weather conditions will ground the airship (a tethered blimp substitute may be put in place until the blimp can be put back into the sky safely)
- Every team member is dedicated to the complete satisfaction of your event.
- Each flight is 45 minutes before having to refuel.

Our Pilots must have a minimum of 5 years radio controlled model aircraft experience and show a good judgement for safety.

Ground Crew and Pilots follow voluntary compliance with operating safety standards by selecting a safe operating site, not flying higher than 400 feet above the surface, giving notice to airports within a 3 mile radius and giving right of way to full-scale aircraft.

We are generally concerned with safety and do exercise good judgment when flying these model aircraft. Compliance with the safety standards helps reduce the potential for hazard and create a good environment with communities and airspace users.

MODEL AIRCRAFT OPERATING SAFETY STANDARDS

DO NOT operate model aircraft in the presence of spectators until the model has been successfully flight tested and proven airworthy.

DO NOT fly model aircraft higher than 400 feet above the ground surface.

NOTIFY the airport operator when flying this model aircraft within 3 miles of an airport or when an air traffic facility is located at the airport, notify the control tower, or flight service station.

GIVE right of way to, and avoid flying in the proximity of, full-scale aircraft. Do not hesitate to ask for assistance from any airport traffic control tower or flight station concerning compliance with these standards.

CONTACT local air traffic control center for any additional information and regulations.

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MOBILE**AIRSHIPS**

SPECIFICATIONS

Blimp Bag
The envelope is made of two skins, a nylon outer rip stop nylon shell and an inner polyurethane bladder. The bladder has been specially coated to hold helium gas. The nylon shell acts as a protective barrier for the inner bladder.
All the equipment attaches to the nylon shell to prevent stress to the internal blimp bladder. Unexpected punctures can be fixed on site. Punctures will not cause the blimp to crash. Due to the polyurethane materials abilities it will only allow a small amount of helium to escape thus allowing the blimp to be landed safely for repairs.

Gondola
The gondola is made from ultra strong plastic holding two engines with the ability to vector 180º. The 6 bladed wooden propellers are fully shrouded. The gondola can be flown using one engine in case of emergency.
Motors – pair of gas 2 stroke commercial engines

Tail Fins
Set of 4 Ultra-coated balsa fins with heavy duty metal gear servos allow for lighter weight. These fins are used for steering and elevators for added elevation changes also for the stability of the aircraft.

Radio Equipment
7 channel PCM, FCC approved transmitter uses 2.4 GHz frequency which is sanctioned for radio controlled models because it creates no interference.

Batteries and Charger
Comes complete with a 2400ma onboard batteries and spare. An included fast peak detection charger is used for charging. Each pack should be changed during re-fueling.

This Airship is best suited to flying for outdoor events in winds less than 15mph. A tethered blimp may be substituted until the blimp can be put into the sky safely.

Helium – Helium can be purchased at a local welding supply center. There is a 1% helium loss per day so it is best to have an extra tank for top ups. Locating a place to safely store the aircraft without deflating will reduce helium costs significantly.

Control – The blimp is controlled by a hand held radio controlled transmitter. The transmitter has 2 sticks that control the airships speed and direction.
2 motors mounted on the sides of the gondola control the airships direction forward and reverse as well as up and down. Rudders control the airships right and left movements and elevator fins assist in elevation changes.

Flying – A trained pilot with over 5 years experience and ground crew of a minimum of 2 people will be responsible for flying the airship. Training is available for the right candidate.

Artwork – Advertisement banners can be attached to the blimp bag. They are supported to the nylon outer shell by hook and loop Velcro. Vinyl lettering/ graphics can be applied easily to the banner material. This allows for quick changes of advertisements during an event. Changing of the banners takes approximately 10-15 minutes. The advertisement banner can be preserved for future use.