

# OWNERS MANUAL



Inflatable  
Amusement  
Device

**Magic  
Jump™**  
inflatables



Congratulations on your purchase of a newly manufactured inflatable. You have made a great decision in choosing Magic Jump, Inc. as your source for high quality inflatables. We look forward to a long and lucrative business relationship together.

This Owners Manual is your guide to the safe and successful operation of your inflatable. Please **READ THE MANUAL IN DETAIL BEFORE USING YOUR INFLATABLE**, in order to avoid and/or minimize the risks of accidents and/or injuries. Be sure to review the contents of this manual in detail with, and provide a copy hereof, to anyone who will be operating/attending the inflatable. **ALSO, FAMILIARIZE YOURSELF WITH, AND FOLLOW THE DESIGN SPECIFICATION SHEET FOR EACH INFLATABLE.**

Please contact Magic Jump, Inc. customer service at **(877) 847-1313** for any questions that may arise about the inflatable or this manual.

9165 Glenoaks Blvd.  
Sun Valley, CA 91352 USA  
tel. 818.847.1313  
tel. 877.847.1313  
[www.MagicJump.com](http://www.MagicJump.com)

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## Intended Uses

The equipment described herein is intended to be used by an operator to provide a service to the buyer's customers. The equipment should only be operated and maintained for its intended use in a professional and competent manner as per Magic Jump Inc. recommendations and instructions, American Society for Testing and Materials (ASTM) standards on amusement rides and devices, local governing laws, and good commercial practices using professional and competent operators/attendants. If at any time, or for any reason, the inflatable cannot be adequately and safely operated for its intended use, the inflatable should be removed from operation until proper repairs or corrections are made.

## Device Information Plaque

The device information plaque is located near the entrance of the inflatable. The plaque lists inflatable specifications, dimensions, patron restrictions, electrical requirements, safety rules, date of manufacture, model and serial number. When ordering parts or requesting information from Magic Jump, Inc., always reference the model and serial number of your inflatable.

## General Information

This manual provides important instructions for setting up and tearing down the inflatable. The general sequences are outlines to carry out each procedure and should be followed. Extra caution must be used to keep all workers and bystanders clear of any potential hazards that may be present.



Information, guidelines, and warning labels within this user manual should be followed. For specific information or guidelines regarding your purchased inflatable, refer to the separate Design Specification Sheet, included with this manual.

**How Inflatables Work**

A blower device provides continuous air flow to an inflatable. This inflatable is built to allow some of the air to escape from the tiny seams and to remain inflated at a certain pressure. The continuous air pressure will hold the inflatable erect and fully extended, while providing a soft bouncy surface for patrons to play on.

**General Items Included**

Inflatable



Owner's Manual



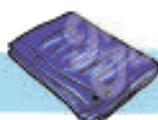
Repair Kit



Blower(s)



Tarp



**Additional Items (Not Included)**

Dolly/Hand Truck



Sand Bags



Hammer



Stakes



Tethers



Storage Bag



Vacuum



Disinfectant Solution



Cleaning Spray



Cleaning Rags



Slide Lubricant



**WARNING!**

Precautions for personal safety should be observed at all times when installing or tearing down the inflatable. Be aware of elevated areas, pinch points, suspended loads, moving equipment, etc. Keep a safe distance from all hazards to avoid serious personal injury.





## Choosing a Location

1. Selecting a suitable location to place the inflatable is important. A desirable location is a flat area, and has adequate space for the inflatables to fit comfortably allowing for clearance on all sides. View the Design Specification Sheet for the inflated dimensions of your inflatable. Ensure at least 5 ft (1.5 m) of clearance on all sides. Bystanders should be at a safe distance during setup. The position of the sun should also be taken into consideration. It is recommended that the inflatable be placed in a position which ensures the playing surface remain in the shade.



## WARNING!

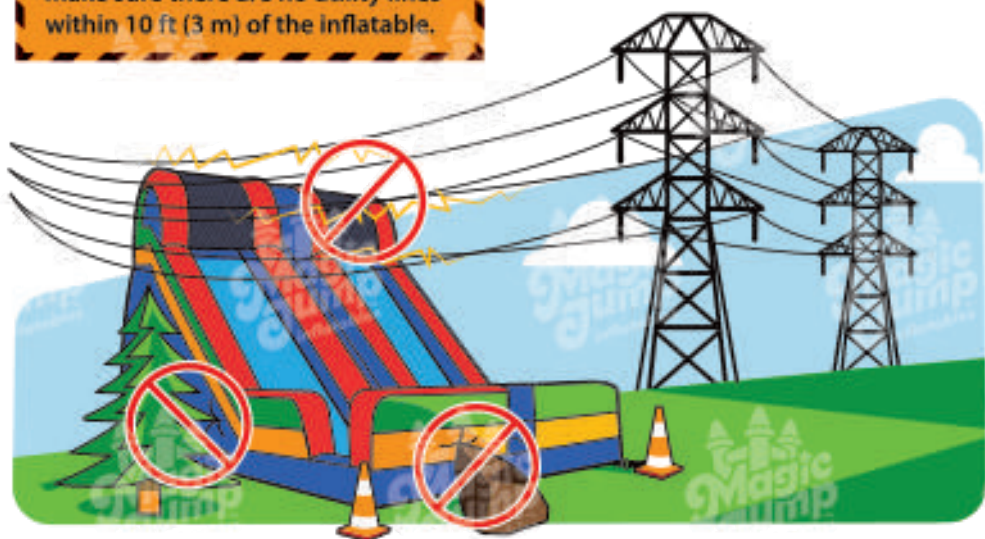
Check for overhead obstructions such as utility lines before setup. Keep in mind that the inflatable might move during use, and proper clearance should be maintained at all times. Make sure there are no utility lines within 10 ft (3 m) of the inflatable.



## WARNING!

The inflatable should never be setup or operated during inclement weather or if the winds exceed 20 mph (32 km/h), since serious injury, death, and damage can result. Never setup and operate during rain or snow conditions. It is always wise to check your local weather forecast before installation.

2. Ensure the setup location is clear of all protrusions and sharp objects that may damage the inflatable. The suitable location should be non-abrasive. Preferable indoor locations are a carpeted or hardwood floor. Ideal outdoor location is a flat grassy surface which has well compacted soil and trees or buildings nearby which can provide shade.



## Unrolling Inflatable

1. To begin, lay protective sheet or tarp on the ground, especially on hard surfaces to minimize wear. Remove the rolled up inflatable from its storage bag (optional accessory).

2. Begin unrolling inflatable. Generally the inflation tube will be in the very beginning of the roll, and the entrance and exit in the opposite end.

3-6. Unfold the inflatable until it is completely flat.

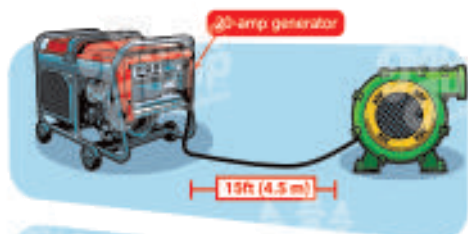
### NOTICE:

- DO NOT drag inflatable across the ground.
- Always use sufficient personnel and equipment to move the inflatable clear of the ground to the setup location.
- Never leave the inflatable unattended, whether inflated or deflated.

**Tip:** Take particular note of how the inflatable is folded as this will minimize guess work during teardown.



## Electrical Connection



3. When connecting to an extension cord, secure the connection with adhesive tape. When connecting to an electrical outlet, make sure connection is secure. Magic Jump, Inc recommends securing electrical connection to the wall with adhesive tape. Power cords should be kept as far away as possible from participants to prevent tampering or accidents.

1. Before setup, read the blower's user manual. Check electrical connections to verify sufficient electrical power is available. Each blower requires its own dedicated circuit (refer to blower's user manual for correct amp requirements). If a generator is to be used, it must be placed at least 15 ft (4.5 m) away from the blower. To avoid shock hazards, ground the generator (refer to generator user manual for proper grounding procedure).

2. If the electrical outlet you intend to use does not come equipped with a Ground Fault Circuit Interrupter (GFCI) you may use a portable GFCI device. The portable GFCI device should be placed and maintained within 12 in (30 cm) of the electrical outlet. If an extension cord is to be used a heavy duty 3 prong cord that is UL and/or CE approved and no less than 14/3 gauge.



For inflatable water attractions, electrical cords should be set far enough from the inflatable so that any water splashes won't cause electrical shock, potentially harming patrons or bystanders. All inflatable water rides must use GFCI.



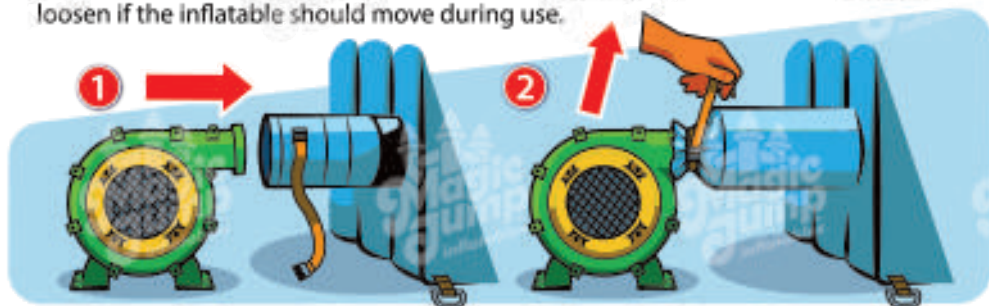


## Blower Connection

View Design Specifications Sheet for the number of blowers required for each specific inflatable. The blower(s) should be positioned so that the inflation tube is straight and perpendicular to the inflatable allowing for ease of airflow. **Do not switch power on yet.**

- Before connecting the blower to the inflation tube, be sure your blower has functioning louver flaps in the blowers exhaust which will shut close during emergency deflation.

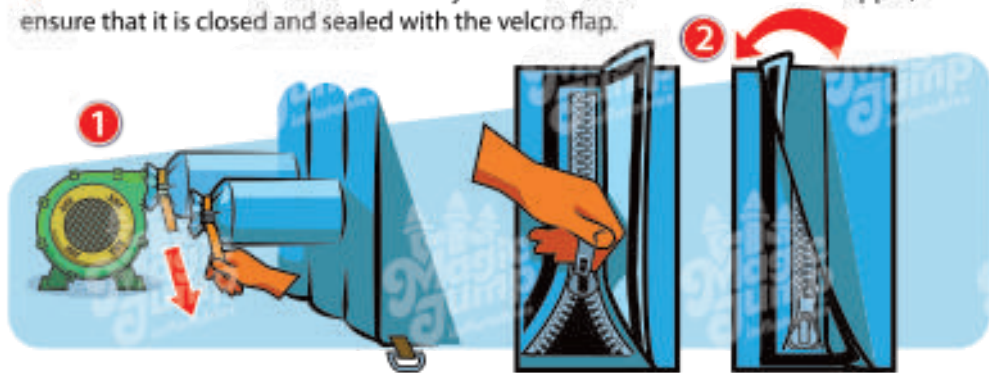
1. Connect the blower to the inflation tube. 2. Pull the inflation tube over blower exhaust and pull the strap tight. Check that the connection is secure and will not loosen if the inflatable should move during use.



- Be sure to straighten any kinked inflation tubes. Make sure the blower air intake is clear of leaves or any other debris during use.

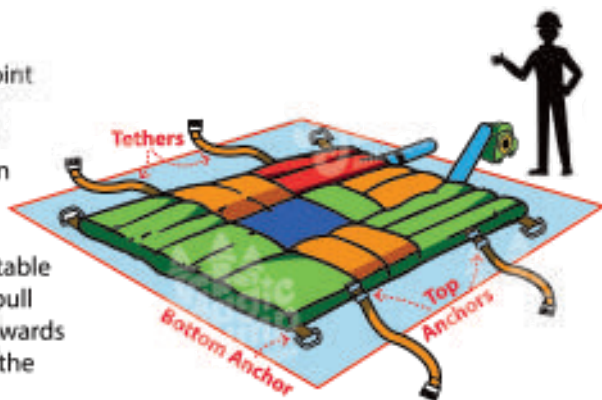


1. Close all unused inflation tubes. 2. If your inflatable includes a deflation zipper, ensure that it is closed and sealed with the velcro flap.



## Anchoring

1. Before inflating, each anchor point should be secured. Locate anchor points (View Design Specification Sheet for anchor point information on your inflatable). Larger inflatables will have a series of top and bottom anchor points. While inflatable is laid out flat, locate top tethers, pull them straight out and lay them towards the sides. This will indicate where the stakes should go.



2. Secure bottom anchors points first. Stakes should be positioned 3 ft (1 m) away from the bottom anchor point. Drive stakes into the ground and fasten using tethers. Next secure the top anchor points. Top anchor point stakes should be positioned approximately 7 to 12 ft (2 to 3.6 m) away from the inflatable. The goal is to end up with tethers at a 50 degree vertical angle, after the inflatable is fully inflated. Drive stakes into the ground and fasten using tethers. Leave some slack on the top anchor point tethers.

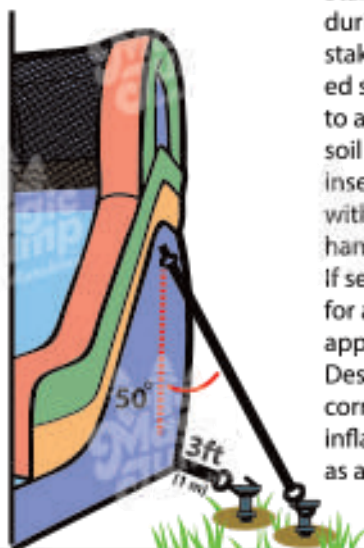


### WARNING!

Before driving the stakes into the ground check with local utility companies and home owner concerning water, electrical, and sewer pipe locations to avoid puncturing underground utilities.

### Outdoor Use

Stakes must be used as anchors during outdoor use. Make sure staking is done in well compacted soil. Staking shall not be used to anchor the inflatable if the soil is so soft that stakes can be inserted by hand or foot (that is, without the use of a sledge hammer or other insertion tool). If setup location is not suitable for anchoring, find another appropriate location. View Design Specifications Sheet for correct stake size for your inflatable. Do not use sandbags as anchors outdoors at any time.



### Indoor Use

Sandbags can be used indoors as anchors. View Design Specification sheet for correct sandbags weight for your inflatable.



**Recommended procedure for tying tether to stake:**

1. First, make sure to have 2 to 3 ft (60 to 90 cm) of webbing to work with.



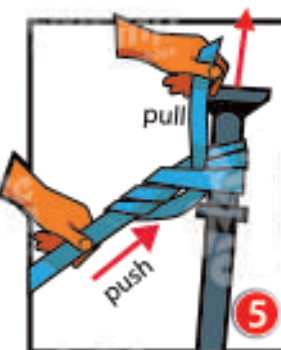
2. To begin, loop the webbing 2 times around the top of the stake.



3. Wrap end of webbing around long tether 3 times.



4. Insert end of webbing through the opening hole as shown above.



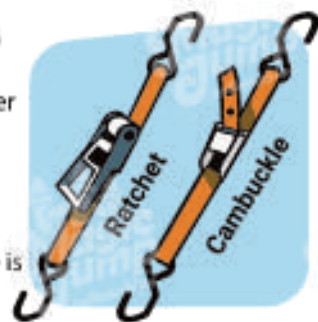
5. As you pull the webbing to tighten, push knot toward stake to lock in place.



6. Finish by tying 1 more knot tightly to secure the tether.

**Correct Stake Placement****Ratchet & Cambuckle Tether**

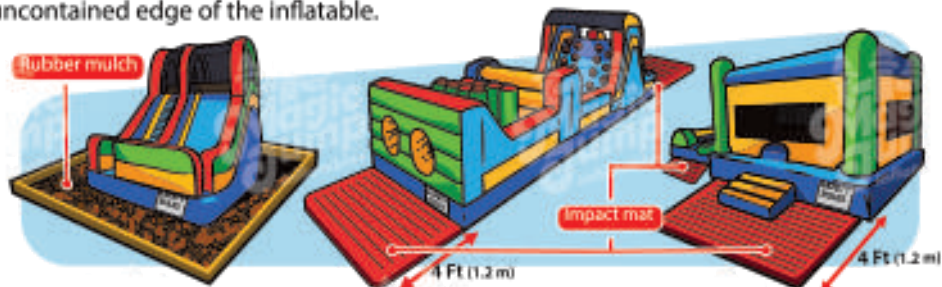
It is recommended to use a ratchet or cambuckle style tether with a 2,000 Lb (907 kg) tensile strength. These style tethers allow for easy adjustments after inflatable is fully inflated.





## Impact Attenuation Mats

Impact mats are essential for minimizing injury during entry and exit of inflatables. ASTM F2374 requires that impact mats be placed where patrons enter and/or exit the inflatable. View Design Specifications Sheet for correct placement of impact mats for your specific inflatable. The impact mat should extend at least 4 ft (1.2 m) from any uncontained edge of the inflatable.



Acceptable impact attenuation mats could be made from foam, inflatable air filled, artificial turf, or rubber mulch depending on your installation and purpose. Whichever type of impact mat you choose to use around the entrance and/or exit of your inflatable device, you should be sure the impact mats meet ASTM Test Method F355.

Impact mats should be secured (for example, using Velcro or carabiners) to the inflatable to minimize the opportunity for impact mats to move away from the inflatable device during patron use.

## Deflation Alert System

Your inflatable may require the use of a deflation alert system. The deflation alert system should notify the operator/attendant when an emergency has occurred (loss of power, zipper is opened). The operator/attendant should stop the use of the inflatable and assist patrons to safely exit the inflatable. View Design Specifications Sheet to find out if your inflatable requires a deflation alert system.

Where deflation alert systems are used with inflatables, the deflation alert system shall incorporate one of the following:

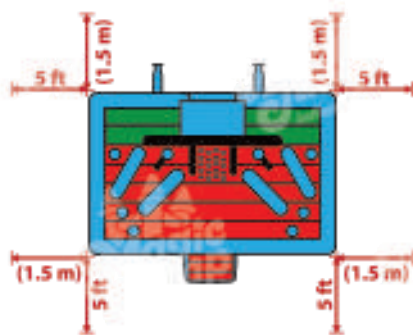
1. An automated means to monitor the onset of deflation and alert the operator/attendant, or
2. An automated means to monitor the loss of blower function and a supplemental means to allow operator/attendants to monitor other failure modes that cause rapid deflation which can result in a loss of adequate pressure to maintain the structure of the inflatable.



### Final Adjustments

1. Turn the power switch on. The inflatable should only take a few minutes to fully inflate. The inflatable requires continuous pressure from the blower and must never be turned off while in operation.

3. Create a no-walk perimeter around the inflatable using cones or delineator posts. The no-walk perimeter should be placed on anchors in areas accessible to patrons, such as near the entrance or exit to avoid tripping hazards. When fully inflated, the inflatable should fit comfortably in its space with 5 ft (1.5 m) of clearance on all sides. This will allow for ease of access and supervision.



4. Removable surfaces such as slide linings may become loose, wrinkled, or disconnected during the inflation process. Once inflatable is fully inflated, operator/attendant must complete inspection and maintenance prior to operation. Slide and climber linings must be in their correct place for safe use of inflatable. The operator/attendant should take action and adjust the slide lining if they start to get loose or disconnected.

2. After the inflatable is fully inflated, check for loose tethers. Make sure all tethers are tight. Make sure not to over tighten the tethers, as this may deform the inflatable, or even break the tethers. Inspect the inflation tube, making sure it has not become kinked during inflation.



## WARNING!

Before allowing patrons to enter the inflatable, the operator must perform necessary maintenance procedures outlined in this owners manual. The operator/attendant must have read and fully understood the safety rules and all other sections of this manual.



### Inflatable Water Ride Information

There is more labor involved in operating an inflatable water ride than a dry inflatable. Additional steps, precautions, and safety regulations need to be taken into consideration.

- Make sure all patrons are wearing the correct type of clothing prior to them playing on the inflatable. They should remove all footwear, jewelry, and accessories before getting on the inflatable.
- If your inflatable consists of a non-slip lining, ensure it is securely in place before allowing patrons to play on inflatable.
- Ensure water source is clean and free of debris and odor.
- Make sure to use the misting system that was provided with your purchase. Ensure water spicket is not fully open. Only minimal water is required for safe use. Using excess water on sliding surfaces can create an unsafe situation.
- If your inflatable consists of a pool, ensure the pool is set up on a soft surface, such as grass. Alternatively you can place a safety cushion mat underneath the pool lining to provide a softer landing.
- If your inflatable consists of a pool, ensure it is filled to the proper level before allowing patrons to play on inflatable. During use periodically check to make sure water level has not decreased.
- If your inflatable has drain vents underneath, ensure these are tightly secured before use to prevent air loss.



#### **NOTICE**

**NEVER** leave wet or damp inflatable stored away, even if slightly damp, as this will cause mildew and damage to the inflatable. Make sure to dry inflatable water rides within three days after use. During winter months when inflatable water rides are in storage, it is recommended to inflate and inspect monthly to prevent mildew buildup. Mildew is not covered by warranty.



## Teardown

Before beginning teardown, inspect inside the inflatable for any items that might have been left behind. Remove all accessory attachments that were installed. It is recommended to perform maintenance again before beginning teardown.

Make sure everyone has exited the inflatable before teardown. Before turning the power off, make sure all patrons and bystanders are clear of the no-walk perimeter. Switch off the blower and remove the blower from the inflation tube. Next, open all the deflation zippers. It takes 3 to 6 minutes for the inflatable to fully deflate. While the inflatable is deflating, ensure the inflatable deflates onto itself and the weight is equally distributed. Next, unfasten the tethers and remove the anchors. Now follow the remaining steps shown below and in the next page.



1-2. Fold the opposing sides inward, making sure the inflation tubes are not being folded as well.



3. Step on the folded inflatable opposite the inflation tubes and begin stomping out the air.



### NOTICE

For inflatable water rides which have a pool, empty out water from the pool entirely before deflating the inflatable.



## TEARDOWN

### Teardown

4. Fold in half and continue to push air out of inflatable until it is completely deflated.



5. Begin rolling inflatable towards the inflation tubes. For larger inflatables, one person can roll as a helper continues to stomp air out of inflatable.

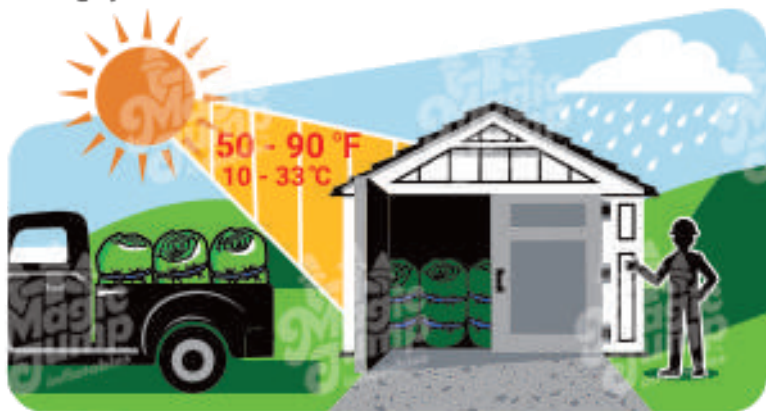


6. Tie rolled up inflatable with straps. Insert inflatable into storage bag (optional accessory).



### Storage

Proper storage is key to protecting your investment. Store your inflatable in a enclosed location free of rain and extreme heat. Ideal indoor temperature should be between 50 to 90 °F (10 to 33 °C). Ensure your storage area is free of rodents as they can chew on the vinyl and damage your inflatable.



### Indoor Center Information

Using your inflatable in an indoor play center means you have the opportunity for more usage, up to 365 days a year! Because of the high concentrated use, the longevity of your inflatable is much different than the typical lifespan anticipated in a rental environment. For this reason our IPC line of inflatables are manufactured to withstand the heavy use. Special consideration must be given when using your inflatable in an indoor environment.

- **Location**

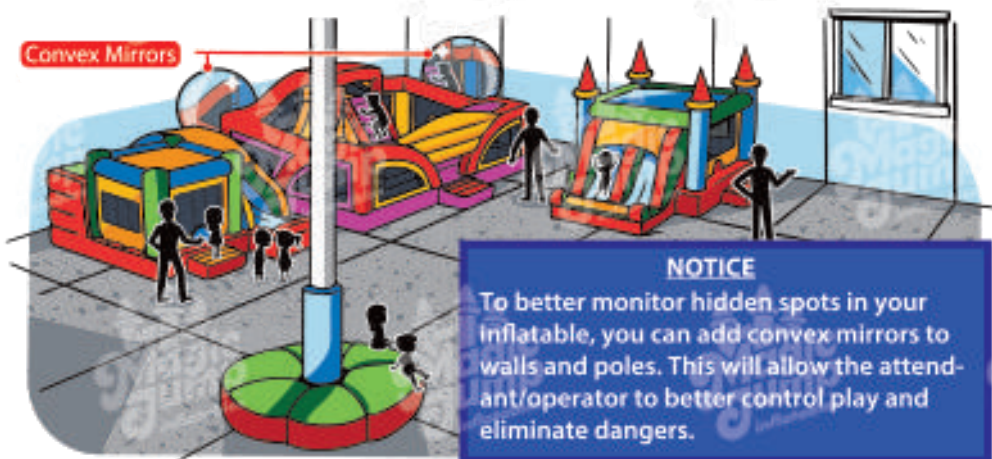
For an indoor environment less space is required between each inflatable and hard wall structures. Yet, enough space should be kept for entrance and exit for each specific inflatable. Allowance should also be given for monitor and play observations, locations, and obstructions on the floor, as well as on the ceiling.

- **Blower Placement**

Careful thought should be given to the location of the blower. Blowers should be out of the main traffic flow and protected by a covering or obstruction of some sort, keeping it away from reach of guests and patrons. Consideration must be given to the blower air intake so that it is clear of the inflatable, wall, or any other object that could restrict air flow.

- **Safety**

Maintaining safety at all times is mandatory in an indoor environment. All inflatables must be monitored and controlled by trained operators/attendants on duty. There should not be more than the allowed number of patrons on each inflatable, as this can be dangerous. Much attention must be given to all hidden corners and hiding spots around inflatables, since patrons can be drawn to such areas. All operators/attendants must be trained and well aware of the safety rules, all information in this owners manual, as well as all the Design Specifications Sheet for your inflatable.





# INDOOR PLAY CENTER

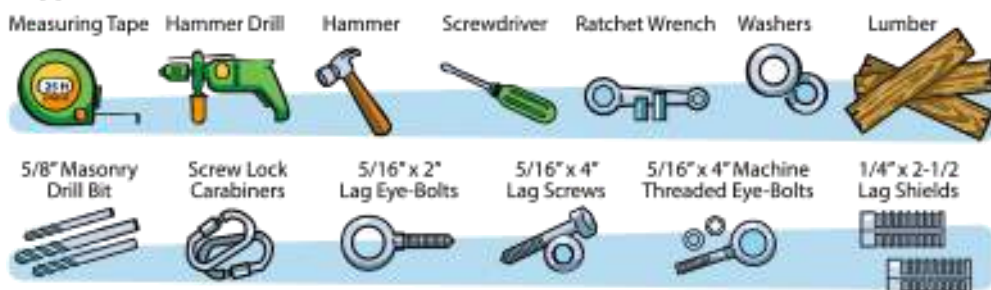
## Indoor Anchoring Recommendations

(Permanent anchors for indoor centers only) v3.18

One of the main advantages of an indoor center is that adverse weather, high winds or rain, does not become a deterring factor for using your inflatables. Properly securing each anchor will prevent your inflatable from moving or tipping over while in use. One of the alternatives to using sandbags is installing permanent anchor points. Below are recommendations regarding secure setup for indoor play centers.

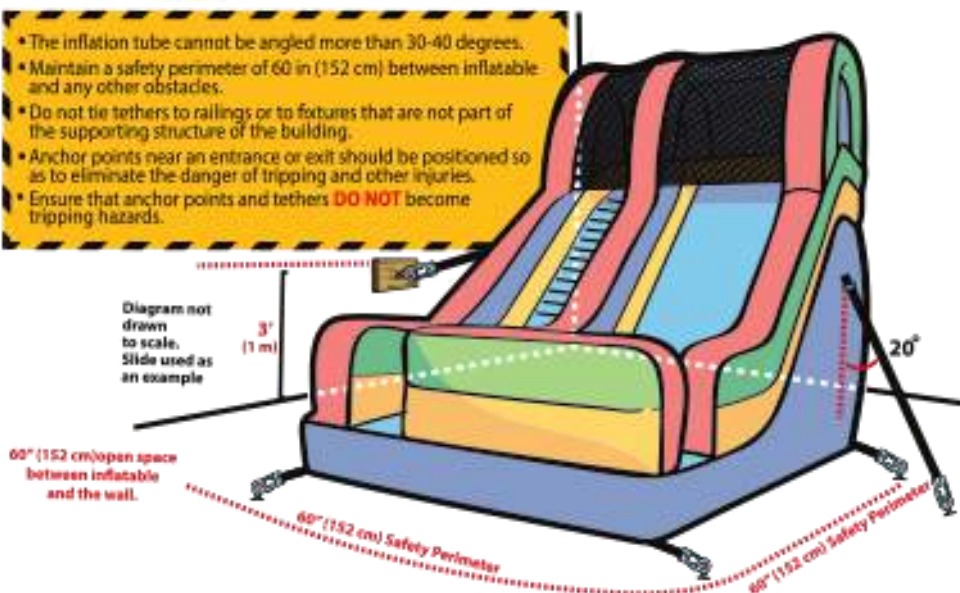
Magic Jump, Inc suggests that each ground anchor point remain within 6 in (15 cm) of each D ring anchor point on your inflatable. The inflatable should be placed 60 in (152 cm) away from any other object. For taller inflatables top anchor points can be secured into a bearing wall at appropriate locations. The top anchor point should be angled at about 20 degrees. The recommended anchoring technique is shown in the diagram below.

## Supplies Needed



## CAUTION

- The inflation tube cannot be angled more than 30-40 degrees.
- Maintain a safety perimeter of 60 in (152 cm) between inflatable and any other obstacles.
- Do not tie tethers or to fixtures that are not part of the supporting structure of the building.
- Anchor points near an entrance or exit should be positioned so as to eliminate the danger of tripping and other injuries.
- Ensure that anchor points and tethers **DO NOT** become tripping hazards.



## Anchoring Techniques

### • Ground Anchoring Points

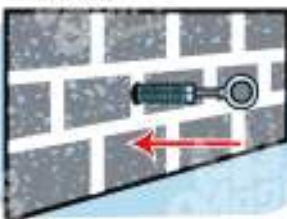
With lag shield (also called two-step expansion anchors), you have a choice between short and long shields. Remember though, that with 1/4" (0.6 cm) lag shield you'll actually need to drill a 1/2" (1.25 cm) hole at least 2-1/2" (5 -1.25 cm) deep into the surface. Insert the shield, tapping it with a hammer lightly to set it. Drive the Lag Eye-Bolt into the shield until it is snug. **DO NOT OVER TIGHTEN THE EYE-BOLT.**

### • Wall Anchoring Points

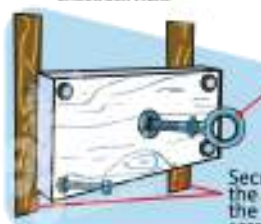
Lag Shields can also be used in concrete walls only, and not for sheet-rock walls. It is **VERY IMPORTANT** to drill the hole into the mortar between the blocks, and not the block itself (which is hollow).

With a sheet-rock wall, the wall must be properly braced first. Secure 2" x 12" (5 x 30 cm) board with 5/16" x 4" (0.7 x 10 cm) long Lag Screws (pre-drilling 3/16" (0.5 cm) wide holes 4" (10 cm) deep beforehand) into the studs of the wall, not just sheet-rock surface. After this step, Lag Eye-Bolts can be screwed into the boards to serve as the anchor points for the tether.

Concrete Walls



Sheetrock Walls



### NOTICE

Make sure to sink **LAG SHIELD** into the mortar only! Concrete blocks are hollow, and mortared regions will provide the best reinforcement.

Use machine threaded Eye-Bolts as anchors.

Secure lumber to the studs within the walls using lag screws.

## Fastening Technique

### • Securing Eye-Bolts to Inflatables

Use screw locking carabiners such as the one shown on the right. Carabiners will hold your inflatable securely, and they don't have sharp points that could potentially damage the inflatable.



## Sample Anchoring

### • Securing Inflatables

Here is a sample of what the tethering hook-up should look like, using the Lag Eye-Bolt, a Lag Shield and screw locking, and then attaching to the D-Ring of the inflatable.



### NOTICE

Ensure that anchor points and tethers **DO NOT** become tripping hazards.

**DISCLAIMER:** The information is provided for use with Magic Jump, Inc. inflatables. The suggested installation techniques should be performed by a professional contractor skilled in the trade.



Safe operation is a combined responsibility and effort of the manufacturer and the operator/attendant. Some inflatables require more than one operator/attendant (view Design Specifications Sheet). All operators/attendants must be thoroughly familiar with the contents of this owners manual before operating the inflatable. The following information must be readily available to all operators/attendants.



### Operator Instructions

1. Review and follow the information on the Design Specifications Sheet, including but not limited to number of operators/attendants, height and weight limitation, and maximum and minimum patrons.
2. Select competent, mature operators/attendants, capable of understanding the functions, use, and safe operation of the inflatable. Operator/attendants must be at least 16 years of age.
3. Instruct each operators/attendants on the proper use and function of the inflatable. The operator/attendant is to supervise:
  - a. Controls and procedures during normal use and emergencies.
  - b. Minimum and maximum patrons capacity.
  - c. Any foreseeable misuse of the inflatable.
4. Instruct the operator/attendant to follow maintenance inspection log and to make sure all checkpoints have been successfully performed before starting operation or tear-down.
5. Instruct operator/attendant not to allow patrons who are visibly ill, or under the influence of drugs or alcohol to enter the inflatable.
6. Instruct operator/attendant on where they should be positioned and proper methods of observing patrons in the inflatable (view Design Specifications Sheet). All patrons must be instructed on the safety rules located on the inflatable before entering. Immediately stop patrons that are tampering with the inflatable or behaving in such a way as to make the inflatable dangerous for others.
7. Instruct the operators/attendants that patrons are required to remove shoes, keys, glasses, necklaces, earrings, or any sharp objects. Make sure patrons are properly dressed and have socks on while playing. For dry inflatables, patrons should not be allowed on the inflatable if they are wet.
8. Operator/attendant should observe patrons at all times while they are on the inflatable. Any patrons not obeying the safety rules should be warned once, and then asked to exit the inflatable if they do not comply.
9. Advise the operators/attendants against operating the inflatable while any person (patron, spectator, attendant) is in a dangerous or unsafe position in or around the inflatable.



10. Instruct the operators/attendants to allow no other person, except for another trained operator/attendant to operate the inflatable if they should have to go on a break.
11. Instruct the operator fully as to the proper method of setup and teardown of the inflatable. Always supply adequate installers and equipment to do the job safely.
12. Advise the operators/attendants that factory-installed safety devices must not be tampered with or removed.
13. The operator/attendant is responsible for the safety of the patrons as they play in, enter, and exit the inflatable. The operators/attendants full attention must be given to the inflatable and its patrons at all times.
14. Patrons should be separated and grouped by height and weight. Patrons of widely different ages should not use the inflatable together. Limit the number of patrons to the capacity specified on the device information plaque on the inflatable. Strictly enforce the Safety Rules on the inflatable.
15. Operators/attendants should use a whistle to control and direct patrons. This will prove especially useful during emergencies.
16. Operator/attendant should observe climbing surfaces to ensure one patron climbs at a time.
17. Instruct the operators/attendants to ensure the first patron has exited the pool before allowing next patron to proceed.
18. Advise the operator/attendant there is to be no diving or playing inside the pool.
19. Instruct operators/attendants that patrons should not jump or play on impact mats.
20. The operators/attendants should be trained on how to monitor and assess wind speed using an anemometer, Beaufort Scale or other reliable method.



**Emergency Procedures**

Emergencies can arise for various reasons. It is important that the operator/attendant be trained to implement emergency procedures should the need arise. The following are examples of emergencies and how they can be handled.

**Weather:**

Inclement weather can be rain, lightning, or strong wind which makes usage unsafe for patrons. In each case the operator/attendant should evacuate the inflatable as quickly and safely as possible. After everyone has exited the inflatable, the operator/attendant must follow the procedures for shutting down the inflatable.

**Loss of Electric Power:**

When a loss of power occurs, the inflatable will slowly start to deflate. The operator/attendant will have to assist patrons to quickly and safely exit the inflatable. The property owner, supervisor or maintenance person should be notified to check the problem. Do not leave the inflatable unattended. When the problem is corrected, a inspection and maintenance should be performed before the inflatable is put back in service.

**Injuries:**

If the injury is minor, the owner/attendant can assist the injured patron to exit the inflatable and the parent or guardian can give needed assistance. If a major injury has occurred, the owner/attendant should evacuate patrons from inflatable and assist the injured patron out of the inflatable. The owner/attendant should contact appropriate first aid personnel or emergency. The owner/attendant should assist in crowd control to make way for emergency personnel and vehicles. The owner/attendant should fill out an incident report as soon as possible while the incident is still fresh in their mind. The manufacturer should be notified of an incident that resulted in serious injury.

**Damage to Inflatable:**

Should the inflatable receive damages during use, the owner/attendant should immediately evacuate patrons. The inflatable should not be operated until the damage can be assessed and professionally repaired. When the problem is corrected, a inspection and maintenance should be performed before the inflatable is put back in service.



## Beaufort Wind Force Scale

The table below shows a simplified version of the Beaufort Wind Force Scale, customized for inflatables. Note that the criteria listed in the chart depend primarily on visual observation of trees, so this method of wind assessment may not be applicable to all sites. The owner/operator should provide operator/attendants with wind speed assessment guidance that will work reliably in their specific situation. Alternatively a hand-held digital anemometer can assist in easily monitoring wind speed.

Wind Speeds		Description	Land Conditions
0-3 mph	0-5 km/h	Calm, Light Air	Calm. Wind not felt on skin. No wind visible in trees.
4-7 mph	6-11 km/h	Light Wind	Wind felt on exposed skin. Leaves rustle.
8-12 mph	12-19 km/h	Gentle Wind	Leaves and smaller twigs in constant motion. Light flags extended.
13-18 mph	20-28 km/h	Moderate Wind	Dust and loose paper is raised. Small branches begin to move.
19-24 mph	29-38 km/h	Fresh Wind	Smaller trees sway.
25-31 mph	39-49 km/h	Strong Wind	Large branches in motion. Whistling heard in overhead wires. Umbrella use becomes difficult.
32-38 mph	50-61 km/h	Near Gale	Wind impedes normal walking. Whole trees start to move.
39-46 mph	62-74 km/h	Gale	Wind pushes dust and dirt into the air. Trees shake and twigs break.
47-54 mph	75-88 km/h	Strong Gale	Branches start to break. Twisting damage to road signs. Windows may blow out. Light damage to property.





Proper maintenance is key for a safe operation and the longevity of your inflatable. It is good practice to clean your inflatable after each use. It is easier to clean the inflatable in an inflated position. Make sure inflatable is dry before rolling up and storing. Inflatable should be cleaned and dried every time they are exposed to rain to avoid mildew and unpleasant odors.

If water has accumulated inside the mattress and other inaccessible areas, the inflatable can be inflated outdoors and tilted to a 45 degree angle to help drain the water out. Caution should be taking so inflatable does not completely tilt over. If your inflatable has drain vents underneath, open these for quicker drying. The inflatable should completely dry in 2 to 8 hours depending on weather conditions. The inflatable must never be stored away unless all maintenance procedures have been completed.

## Maintenance Checklist

Regular inspection is required for you to be aware of the overall condition of your inflatable. You should inspect your inflatable before and after every operation. A log should be kept of all maintenances performed on the inflatable. Such a log is provided below, make as many copies of this log as necessary and keep on file.

Maintenance Inspection Log:

Date of Inspection \_\_\_\_\_ Inflatable Name \_\_\_\_\_ Serial Number \_\_\_\_\_

Procedure	✓	Condition/Remarks	Performed By
Inspect the inflatable for cleanliness			
Inspect all anchor points, tethers, and anchors for wear and tear.			
Inspect for cuts, tears, and broken seams on the inflatable.			
Inspect the blower and all electrical cords for wear and tear.			
Inspect removable linings, (ie. slide and climb) for wear and tear.			
Inspect mesh windows or shade covers for wear and tear.			
Inspect connection points between multi-piece inflatables.			
Inspect impact mats and other accessory attachments for wear and tear.			
Inspect Device information Plaque is clear and legible			

**Cleaning the Inflatable**

Keep your inflatable looking and performing like new by cleaning it thoroughly. If inflatable is wet, **DO NOT** store away for an extended period, as this will cause mildew. Make sure to dry wet inflatable within three days after use. Some of the tools needed to clean your inflatable are listed on Page 4. Follow the steps below:

1. Clean inside debris/trash with a shop vacuum.
2. Clean inside/outside using damp rag. If inflatable has stains, use cleaning solution.
3. Apply disinfectant solution anywhere patrons have played.
4. For slide linings, apply a slide lubricant after every use.

**NOTICE**

Before using a new cleaning solution on your inflatable, test the solution on a small non-visible area to make sure it will not damage the vinyl.

**Repair Record**

Any repairs, patches, and parts replaced should be written down for future reference. A log should be kept and recorded of each problem. Such a log is provided below, make as many copies of this log as necessary and keep or file.

Inflatable Name \_\_\_\_\_ Serial No. \_\_\_\_\_

Date	Describe damage and the part/location	How was it repaired?	Repaired By

## Repair

If there are any cuts or tears on your inflatable, generally these can be patched using the repair kit provided. For cuts or tears larger than 6 in (15 cm), professional repairs are required. Stitching that has come undone or torn will also require professional repair. All professional repairs should be performed by Magic Jump Inc., or any Magic Jump Inc. authorized repair center. To perform minor patches with the repair kit provided, follow the steps below.



- 1 To begin, clean area on inflatable that is to be patched.

Find the matching material from your repair kit. Cut a patch of material that is 3 in (7.6 cm) larger than the size of the damaged area, from all sides.



- 2



- 3 Now apply an even coat of vinyl cement to the patch and the inflatable. Let it dry for about 2-5 minutes.

To finish, press the patch on the inflatable, ensuring there is no air bubbles. Bond strength increases with age as cements sets.



- 4



## Troubleshooting Procedures

The chart below provides some of the common problems that occur with the operation of the inflatable. In most cases a problem can easily be solved by the operator.

Common Problems	Possible Cause	Solution
Inflatable deflates or loses pressure	Insufficient power supply	Check power outlet, circuit breakers or generator.
	Extension cord	Verify extension cords used are heavy duty 14/3 gauge and no longer than 50 ft (15 m).
	Inflation tube connected to blower	If kinked, entangled, or loose: adjust and tighten.
	Blower air intake blocked	Clear all debris from blower air intake. Ensure nothing is blocking blower air intake.
	Blower device malfunction	Check blower manual for solution or possibly replace.
	Zipper and velcro flap have opened up	Close zipper and velcro tightly.
Inflatable moves from setup location	Tethers have become loose	Remove all patrons and adjust tethers.
	Damaged anchor points, tethers, stakes or sandbags	Remove all patrons. Repair or replace damaged equipment.

If you are not able to solve a problem call Magic Jump, Inc. at (877) 847-1313. Be prepared with the following information:

1. The inflatable serial number and model.
2. The owners manual.
3. If the inflatable was previously owned, who owned it?
4. All calls should be made by the same person to avoid confusion. Be sure to get the name of the person to whom he/she is speaking to at Magic Jump, Inc. All calls should then be directed to that person.
5. A phone number ready at which you can be reached.
6. The maintenance log and repair record.
7. The person calling the factory must be familiar with the problem and be able to describe the problems of the inflatable. (i.e.; Was the problem gradual? Are there any noises occurring that are not normal? Was it a one time problem, or does it occur regularly?)

Many times the problem that completely stops an inflatable from working is one of the many simple things that are forgotten or overlooked. It can save several phone calls or a more expensive repair, as well as valuable time to double check everything.



- Anchor** - A device such as a stake-or sand bag used to secure the inflatable, keeping it from moving.
- Anchor Point** - A permanent fastening point on the inflatable for securing to tether.
- ASTM** - American Society for Testing and Materials. [www.ASTM.org](http://www.ASTM.org)
- Blower** - A mechanical device or fan that produces a current of air.
- Bottom Anchor Point** - A fastening point located in the lower section of the inflatable's base.
- Deflation Zipper** - A zipper with a velcro flap cover used for quick deflation of the inflatable.
- Design Specifications Sheet** - A pamphlet containing detailed information and specifications pertaining to your specific inflatable.
- Device Information Plaque** - A plaque near the entrance of the inflatable containing detailed information as well as safety rules pertaining to the inflatable.
- Inclement Weather** - Any weather condition where it may be deemed unsafe to operate an inflatable. This may include: rain, gusts of wind, lightning clouds, etc.
- Installer** - A person who does the physical work of setting up the inflatable prior to patron use.
- Inflatable** - An air filled device or combination of devices for the primary purpose of amusement.
- Inflation Tube** - A horizontal tube on the inflatable used for inflating and deflating.
- Injury Report** - A report which documents injuries or illnesses that result in hospital admission or where medical treatment is given or recommended.
- Impact Attenuation Mats** - Safety mats which are used to minimize impact in the case of a fall when entering or exiting a inflatable.
- Operator/Attendant** - A person who supervises patrons and monitors the inflatable while it is in operation.
- Operator/Owner** - A person or organization who has been properly trained and designated to have overall control and responsibility for the maintenance, setup, operation, and stopping of the inflatable.
- Patron** - A person who participates in the enjoyment of an inflatable attraction.
- Stake** - Forked metal steel, driven into the ground to act as an anchor and prevent inflatable from moving.
- Tether** - A heavy duty strap used for fastening anchor points.
- Top Anchor Point** - A fastening point located in the upper section of the inflatable.

# Safety First, That's Our Policy!

## Certificate of Quality & Compliance

### AIR-SUPPORTED STRUCTURES

Manufactured by:  
**Magic Jump Inc.**  
 9165 Glenoaks Blvd.  
 Sun Valley, CA 91352 USA

This inflatable was designed and manufactured in conformance with ASTM International Standard F2374. All materials have been tested and comply with NFPA 701 Large Scale Test. The inflatable complies with CA Proposition 65 for safe levels of materials. An Owners Manual providing instructions for safe operation and use has been provided with the inflatable.







**Design Specification Sheet**

Below is the Design Specifications Sheets which outlines details and important information pertaining to your specific inflatable. You must read the Design Specifications Sheet entirely. If Design Specifications Sheet is missing, contact Magic Jump, Inc. for replacement.



we ♥ inflatables™

**MagicJump.com**  
**877.847.1313**

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