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# QUIET CUBE™ w/DMX

## Snow Machine

### Operating Instructions

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**QUIET CUBE P/N 100258 (120 VAC)**

**QUIET CUBE P/N 100259 (230 VAC)**

## **Thank you for purchasing this Quiet Cube™ Snow Machine**

- **As you will notice from the table of contents, the manual for your new product is quite extensive.**
- **To guarantee perfect and successful work with this machine, please take some time to read the manual carefully.**
- **And finally, we believe you will enjoy years of great snow effects if you care for and maintain your Quiet Cube™ Snow Machine.**

**CITC**

**1420 80<sup>th</sup> St. SW #D**

**Everett, WA 98203**

**(888) 786-CITC**

**[www.citcfx.com](http://www.citcfx.com)**

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# 1. Set of Equipment Supplied

- 1 Quiet Cube™ Snow Machine w/DMX (w/5-pin XLR in/out)
- 1 Remote Controller w/5-pin XLR in/out
- 1 Bracket for hanging w/hardware
- Empty one-gallon bottle
- Instruction booklet and warranty card
- 1 Power Cord
- 1 Extra fuse in fuse box

## 2. Accessories

- C-Clamp with Safety Cable P/N 250110
- C-clamp w/eyebolt & hanging harness for 5 gal. Cubitainer P/N 250076
- Little Blizzard Fluid® Extra Dry (travels up to 50') P/N 150160
- Little Blizzard Fluid® Super Extra Dry (fastest evaporation) P/N 150162
- Little Blizzard Fluid® Dry (travels beyond 50') P/N 150190
- Little Blizzard Fluid® Dry 100 (travels beyond 100') P/N 150211
- Little Blizzard Fluid® - Ultraviolet – Light blue P/N 150250
- Little Blizzard Fluid® - Ultraviolet – Light Pink P/N 150280
- Little Blizzard Fluid® - Ultraviolet – Bluish White P/N 150220
- Director Fan P/N 100140 (230VAC P/N 100145)
- Hurricane II Fan P/N 100160 (230VAC P/N 100165)
- Hurricane II Fan w/DMX P/N 100170 (230VAC P/N 100175)

Please check whether all the products you ordered are supplied.

### 3. Description of the Quiet Cube™ Snow Machine

The Quiet Cube™ Snow Machine is CITC's newest evaporating snow effect product. Insulated for quietness, utilizing our most advanced design, this is our quietest snow machine ever. It also uses a fraction of the power required for other snow machines. The unit incorporates a volume control to adjust pump output and flake size. It can run continuously without overheating. Flakes fly 15-20 feet. A remote with 25ft (7.6m) cable is included, which controls On/Off and pump volume. 5-pin DMX comes standard in this model.

### 4. Safety instructions

**WARNING: Read and understand all labels and operating instructions before attempting installation.**

- Never open the machine as this could void your warranty!  
**Risk of electrical shock-** This device is supplied with a grounding conductor. To reduce risk of electrical shock, connect only to properly grounded, grounding type receptacles. Never remove the third prong from the plug.
- Depending on type of voltage ordered, this machine requires a circuit supplying at least 4 amps of power at 120VAC or 2 amps at 230V. The Quiet Cube™ Snow Machine has a 5 amp slo-blo fuse on the 120v model (3.15 amp fuse on the 230VAC unit). If you have any doubts about the capacity or grounding of your existing circuits, consult a qualified electrician.
- Be sure area around snow machine is dry before applying electrical power.
- Make sure that your unit is pointed in a direction that leaves at least a 10ft (3m) open area out in front. More area is better. Place the front of the machine away from direct contact with electrical instruments and people. Close output is wet.
- Never operate the pump without fluid passing through the tube. This could cause the pump to overheat and cause damage. Operating the pump without fluid is not covered under warranty.
- Fluid is very slippery when spilled. Care in keeping any drips or spills cleaned up is necessary.
- Do not store Quiet Cube™ Snow Machine in freezing conditions.

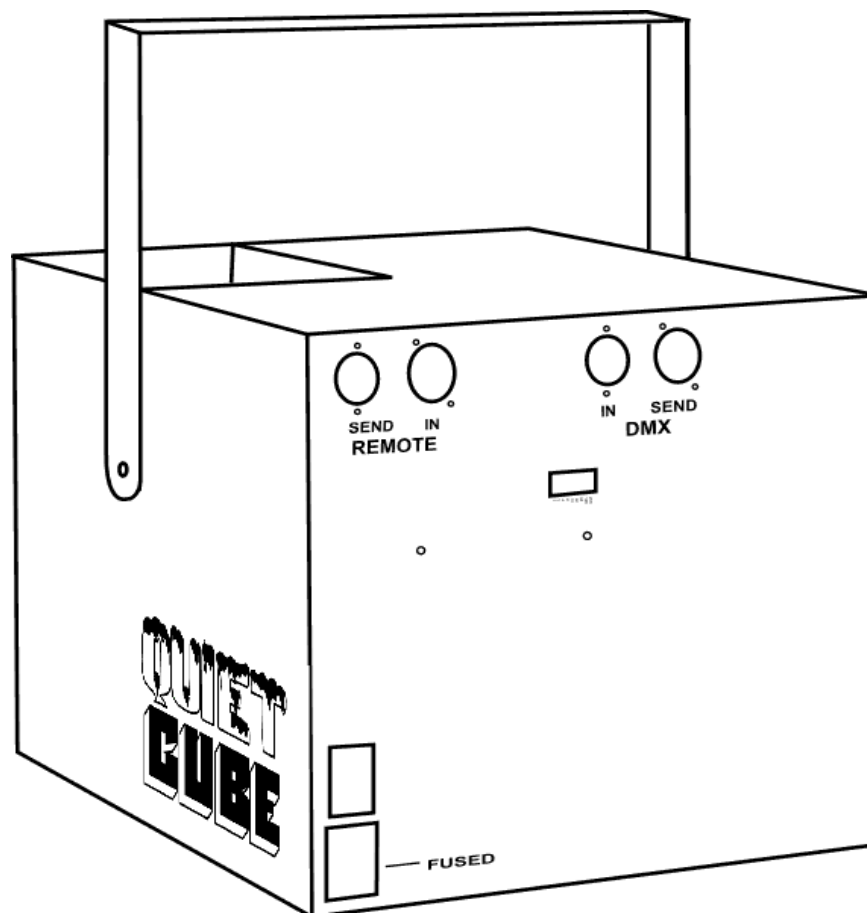
## 5. Operating the Quiet Cube™ Snow Machine

### 5.1 Selecting the Location

Operate this machine in a level position, being sure the fluid bottle is not going to be above the level of the machine. Un-level positions may cause siphoning or dripping.

### 5.2 Hooking things up

Plug the 5-pin XLR of the Remote Control to the inlet marked “Remote Control”. The output may be used to daisy chain other machines, so they could all operate on one remote control. Note: Maximum extension: 5-pin XLR cable should not exceed 50' total distance or possible loss of control may occur.



### 5.3 Selecting the fluid

Fill the bottle with CITC's Little Blizzard® Fluid, placing the tubing with the filter inside and at the bottom of the bottle. Use "Super Extra Dry" fluid for quickest evaporating snow, or for use over performance stages. "Extra Dry" is our most popular fluid, suitable for most indoor use. Use "Dry" fluid for longer lasting snow when flying over 45 feet or 15m. Use "Dry 100" for falling snow over 100' or 30m.

### 5.4 Operating the machine

- The power switch is located on the back and will illuminate when turned on, however this will not start the machine without the remote control (or DMX hooked up).
- For best results, wait for the heavy-duty snow sock to become thoroughly saturated with foam. This may take up to 2 minutes.
- To control particle size, simply increase the volume control knob (on the remote control). Notice the remote control knob will also start and stop the machine. Similar to the control on DMX, the volume knob is off at 0% – 5%. The blower comes on above 5%. At 50% the snow will slowly start. 60% - 80% is the best adjusted volume. 80% - 100% will make the largest flake size.
- Use of a long distance fan (Hurricane II™ Fan) will result in drier flakes as they leave the machine. Place the Hurricane II™ Fan under or close to the Quiet Cube™ Snow Machine to blow the snow in an upward or outward direction. Fan air and falling snow should meet 20 - 30 inches (50cm – 75cm) in front of the Quiet Cube™ Snow Machine. The snow coming from the machine will fall into the draft of the upward air movement and start to fly the direction the fan is pointed. The fan air will also cause the "snowflakes" to dry while they travel 30 feet (10m) or more. Never have the fan behind the Quiet Cube™ Snow Machine, blowing at it. This will cause a back draft and create the wrong effect.

### 5.5 Operating machine using DMX

With DMX control, you will be able to adjust the snow output.

Each machine unit will occupy a unique DMX address on the DMX chain. By adjusting the dip switches on the side of the machine near the DMX cable plug-ins, the user may assign one address to the machine, giving you on/off and volume control with one DMX channel (there is no timer on this DMX).

Step 1). Attach the DMX cable to the upper "DMX Input" connector located on the back of the snow machine.

Step 2). The DMX address is configured by adding the dip switch numbers together to total the number required. For example: Dip switch 1 + 6 = 33. Your DMX channel would be 33. (Dip switches are set by moving the switch to the right toward the "on" arrow.)

Dip Switch	1	2	3	4	5	6	7	8	9
Channel #	1	2	4	8	16	32	64	128	256

**When you move the slide control or digital control;**

- 0 – 15% = Standby (volume output off)
- 40 – 100% = Volume Control

The blower starts above 15% and snow starts above 40%. Adjustment of the snow is from 40% to 80% for best results. At a value of 100%, the machine will operate at maximum output and will produce its largest size flakes. Adjust slowly and visually set each machine.

“Input” and “Output” designations on the DMX plugs are arbitrary (i.e., you can use the input plug for output and vice-versa). It is not necessary to attempt converting your DMX line’s connector to female/male to match the appropriate socket on the plug.

## 5.6 Shut down

When finished with the machine, clean with water, always leaving water in the tube and pump. This will clean the sock and pump.

## 5.7 Troubleshooting

**If the pump does not draw fluid** into the unit, be sure the tubing is in the fluid and not kinked. Check electrical power to the machine. **Note: do not run the pump without fluid passing through the tube. This can cause damage to the pump and is not covered under warranty.**

# 6. Service and Maintenance

**Care of your Quiet Cube™ Snow Machine will give you years of service.**

**Note: cleaning your unit is going to pay off in constant good performance.**

- Each 50 hours of operation or when finished with the machine, clean the tube and pump by running water through for approx. 30 seconds, always leaving water in the tube and pump.
- After use, dry all areas on the exterior of the machine with a soft cloth. Remove any LITTLE BLIZZARD® Fluid from inside the bottle compartment or outside area.
- Do not transport or ship with LITTLE BLIZZARD® Fluid inside the machine.
- Do not use or store in freezing conditions.



## 7. Technical Data

Technical Data QUIET CUBE™ SNOW MACHINE P/N 100258 (230V P/N 100259)	
Dimensions	15" x 12" x 10" (38cm x 31cm x 26cm)
Weight	38 lbs (17 kg)
Shipping Weight	42 lbs. (19 kg)
Shipping Box Size	21" x 17" x 15" (64 cm x 38 cm x 41 cm)
Snowflake control options	Pump Volume Control
Remote Control	On/off and volume control 0-100%
Remote Control cable	25 ft (7.6 m)
Sound	61–65 db
Fluid	CITC LITTLE BLIZZARD® Fluid available in Dry, Extra-Dry, Super Extra-Dry, Dry 100 & Ultraviolet
Run Time	Continuous
Electrical Supply	120 VAC, 4 amps, 60 hz or 230 VAC, 2 amps, 50 hz
Fuse	120VAC: 5 A – 250 V, 5x20 mm 230VAC: 3.15A – 250V, 5x20 mm
CE approved	CE approved parts
Limited Warranty	One year
Rev: 9/05/16	

## 8. One Year Limited Warranty

Model: \_\_\_\_\_ Purchased on (date): \_\_\_\_\_

Serial number: \_\_\_\_\_ Purchased from: \_\_\_\_\_

### **Congratulations!**

You can now look forward to many years of reliable operation and outstanding performance. Thank you for making CITC your personal choice in special effects equipment. Please take a moment to **fill out the top of this warranty**, and then keep it – with the receipt – in a safe place.

If you would like to receive information about specials, sales, and new products, please log on to [www.citcfx.com](http://www.citcfx.com) and click on the “Contact Us” link.

We appreciate your business, and wish to provide you with a quality product that will serve you for many years to come. Once again, thank you for choosing CITC, and enjoy your new entertainment product!

### **LIMITED WARRANTY CONDITIONS**

This limited warranty guarantees to the original purchaser that this product shall be free of defects in material and workmanship, under normal use, for a period of one year from the date of purchase shown on the sales receipt. This warranty covers parts and labor providing the product is returned to CITC in the original shipping carton and packaging. The warranty for electrical is a (90) NINETY DAY limited warranty.

Damage resulting from shipping, accidents, misuse, negligence, unauthorized repairs or modification is not covered by this warranty. Using any fluid other than what is recommended for this machine will void warranty. No liability is accepted for injury or for loss, damage or expense resulting from any interruption whatsoever in the operation of the product or from any consequential loss arising there from. No liability is accepted for normal wear and tear.

We wish to satisfy YOU, our customer, and have implemented many measures to prevent problems and assure customer satisfaction. However, should you need a missing part or have a functional problem with your product, please call:

(888) 786-CITC, from 7:30 am – 4:00 pm (Pacific Time), Monday – Friday, except for holidays. Our customer service department will respond to your problems immediately.

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Subject to the following conditions, CITC will repair any defect or fault in the unit if it is caused by a proven factory defect within one year of delivery to the end user.

Insignificant deviations of the regular product quality does not guarantee replacement rights, nor do faults or defects caused by water, by generally abnormal environment conditions or Force Majeure:

1. Faulty parts or equipment will be repaired or replaced (manufacturer’s choice) with correct parts. Faulty units must be shipped to CITC at customer’s expense. Call for an RMA# - AN RMA# MUST COME WITH THE UNIT. Payment arrangements for repair must be made before receiving your RMA#, in case the unit is not covered under this limited warranty.
2. Repairs/replacements will only be made with the approval of the customer.

3. Exposure to outside elements voids Warranty. Unit cannot be used outdoors or in wet weather without complete protection against the elements. Even then, high salty or humid conditions will cause instant corrosion of connectors and will void Warranty.
4. The customer loses all rights for limited warranty services if any repairs or adjustments are done to the units by unauthorized persons, and/or if spare parts are used, which are not approved by CITC. The right of limited warranty service is also lost if a fluid other than appropriate CITC fluid has been used or if units are sent in without first emptying the equipment of fluid.
5. Freight costs to and from CITC, when under the limited warranty services, are the responsibility of the customer. Customer must place appropriate insurance on return of product. However, if product is returned due to factory defect within the first year, CITC will cover the cost of returning the repaired unit to the customer.
6. Limited warranty services do not cause an extension of the limited warranty period or the start of a new limited warranty period. The warranty of replaced parts ends with the limited warranty period of the whole unit.
7. Further claims, especially for damages, losses etc. outside the unit are excluded.

**Send unit to:** CITC  
RMA # XXXXXXXX  
1420 80<sup>th</sup> St. SW #D  
Everett, WA 98203



**Tel:** (888) 786-CITC or (425) 776-4950  
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