
HURRICANE II FAN™ w/DMX

Operating Instructions



P/N 100170 (120V)

P/N 100171 (230V)

P/N 100172 (100V)

Thank you for purchasing this Hurricane II Fan™ w/DMX.

- o As you will notice from the table of contents, the manual for your new fan is quite extensive.**
- o To guarantee perfect and successful work with this machine, please take some time to read the manual carefully.**
- o And finally, we believe you will enjoy many years of dependable, trouble-free service if you properly install and maintain this powerful piece of machinery called the Hurricane II Fan™ w/DMX.**

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Contents

1. Set of Equipment Supplied	3	
2. Accessories and Parts	3	
3. Description	3	
4. Safety Instructions		4
5. Operating the Hurricane II Fan™ w/DMX	4	
5.1 Unpacking the Hurricane II Fan™	4	
5.2 Electrical Power Requirements		4
5.3 Running the Hurricane II Fan™		5
5.4 Using the DMX control	5	
5.5 Transporting the Hurricane II Fan™	6	
5.6 Hanging the Hurricane II Fan™	6	
5.7 Troubleshooting	6	
6. Service and Maintenance	7	
7. Technical Data	7	
8. Warranty Conditions	8	

Set of Equipment Supplied

- 1 Hurricane II Fan™ w/DMX
- 1 Bracket with hardware (P/N 600440)
- Operating Instructions Booklet

1. Accessories and Parts

- C-Clamp w/Baby Spud and Safety Cable (P/N 250140)
- Custom Cheeseborough Clamp w/Baby Spud (P/N 250143)
- Floor plate with baby spud (P/N 250130)
- Road Case (P/N 250150)

3. Description of the Hurricane II Fan™ w/DMX

- Blow fog, haze, snow, wind to 150' (45.7m). Tilt 300 degrees, swivel 360 degrees. Three speeds: three seconds to top speed. Blow massive volumes of air without motor hum. Continuous output without overheating. Lightweight, portable and economical. The Hurricane II Fan™ w/DMX is a full hp and can blow to 150' (45.7m).
- The Hurricane II Fan™ w/DMX has 3 DMX-controllable speeds.
- Portable and compact, capable of much more than fans four times its size, the Hurricane II Fan™ weighs just 49 lbs (23kg).

4. Safety Instructions

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

- o **RISK OF ELECTRICAL SHOCK-** This fan is supplied with a grounding conductor. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. To reduce risk of electrical shock, connect only to a properly grounded, grounding type receptacle.
- o In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current. Install electrical hookup in accordance with all local codes and ordinances. **Warning:** Check with a qualified electrician if you are in doubt whether the fan is properly grounded.
- o To reduce risk of electric shock, disconnect power before servicing this fan.
- o **SAFETY CABLE-** When suspending the fan using the C-Clamps, be sure to attach the safety cable from the handle of the Hurricane around the pipe grid and attach the cable to itself. It is mandatory to use a safety cable when suspending this unit!
- o **C-Clamp-** Be sure the Baby Spud has a solid unscrewable connection to the Spud. When tightening the baby spud in place, always use the washer and cotter key. Tighten the side lock bolt on the knurled area of the baby spud. Never loosen this lock bolt to swivel the fan. Always swivel by loosening of the swivel bolt on the side of the C-Clamp and spinning the entire spud/baby spud together. Tighten the swivel bolt when in place.

5. Operating the Hurricane II Fan™ w/DMX

5.1 Unpacking the Hurricane II Fan™ w/DMX

Before removing from the box, note the position of the packing material and how the unit is setting with the sprocket side down for future transport or boxing.

Pull the fan sprocket cover (foam block) and remove the clamping ring collar with an Allen wrench. Slide collar over spindle toward fan until seated against the shoulder.

Once the bracket is completely slipped on, reapply the clamping ring collar until the shaft is flush to the outside. Tighten securely with an Allen wrench.

5.2 Electrical Power Requirements

Check to see that the power switch on the handle is in the off position. Plug in the cord to a grounded outlet with sufficient amperage. Current consumption is 13 amps at 120 VAC and 6 amps for the 230 VAC model. Make sure you are using an adequate extension cord. These fans need at least 12-gauge extension cord for sufficient amperage supply. Because initial current surge is higher, the fan should have a dedicated circuit with extra capacity (20 amp circuit at 120 VAC. 10 amp circuit at 230 VAC).

5.3 Running the Hurricane II Fan™ w/DMX

1. Quickly turn on then off the power and check to see if the fan is moving easily without rubbing the edge. Sometimes in shipping the fan may be damaged due to mishandling or jarring of the unit. Contact your shipper and CITC if damage has occurred in transport.
2. Spin the entire fan to the position you want the air to flow, tightening the lock-down nut on the spindle to stop it from moving. Use a wrench.
3. Turn on the fan to speed desired, aiming the airflow the direction you want, allowing 25-30' (7.6-9.1m) of open air space for air movement in front of the fan. Please notice that when you turn the fan to the "off" position manually there will be a 2 second delay before it actually stops running. This is normal. On the DMX setting it will shut down as soon as the signal is shut off.

5.4 Using the DMX Control

1. With DMX control, you will be able to adjust all 3 speeds of air output. If using DMX, the DMX signal will override the manual setting
2. Plug the 5-pin XLR of the DMX unit into the input connector. There may be a slight delay (approximately 1 second) when changing speeds on DMX. The output may be used to run extensions to other machines.
3. Each DMX'd 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 "in" female connector located on the handle of the fan.

Step 2). The DMX address is configured by adding the dip switch numbers together to total the number required. For example, DipSwitch 1 + 6 = 33. Your DMX channel would be 33.

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 to approximately the 12% position the fan will turn on.

0 – 11%	= Off
12 – 25%	= Speed 1
26 – 50%	= Speed 2
51% +	= Speed 3

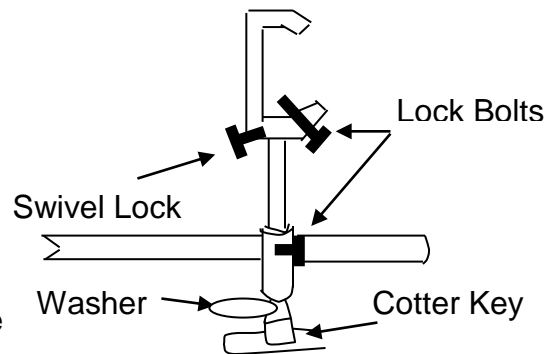
"Input" and "Output" designations on the DMX plugs are arbitrary (i.e., you can use the input plug for output and visa-versa). It is not necessary to attempt converting your DMX line's connector to female/male to match the appropriate socket on the plug. As long as it is looped in/out, it will work.

5.5 Transporting the Hurricane II Fan™ w/DMX

When shipping or transporting to another location (not boxed), be sure the fan is sitting on the floor, not hanging from the bracket. Disconnect all DMX cables. Damage may occur or you may misalign the fan unit. Always have the fan lying down on the floor with the bracket up or legs off the floor.

5.6 Hanging the Hurricane II Fan™

1. For hanging, use baby-spud C-Clamp with a washer, cotter key and **safety cable**. Place the C-Clamp baby spud onto the attachment on the edge of either of the legs, placing the washer and then the cotter key through the pin and tightening the lock screw with a wrench. Adjust the position by loosening the upper nut and spinning the entire shaft inside the C-Clamp. Never loosen the tightening screw on the Hurricane II™ bracket while hanging.



2. **Attach the clip end of the safety cable around the truss** from the handle of the Hurricane and attach the cable to itself. You may now adjust the position of the Hurricane II™ with the wrench, spinning or tilting as desired. Do not loosen any of the anchor bolts for movement without the safety cable attached first.

5.7 Troubleshooting

DMX doesn't work: Turn control knob on fan to the off/DMX position.

Fan rubs when turning: call CITC for instructions. Do not remove cover.

Fan motor starts slowly, jumps, or is unsteady: Possible low amperage in line. Check extension cord for small gauge. Turn off any other loads sharing the same circuit or test in dedicated outlet.

6. Service and Maintenance

Care of your Hurricane II Fan™ w/DMX will give you years of service. Note: cleaning your unit is going to pay off in constant good performance.

1. Because air passes through the wiring and blades, it is important not to feed fog or wet fluids through this unit. It will damage the circuitry and dirty the interior.
2. Keeping your unit clean is essential. Use of Filter Foam would be advised if the air is full of lint or dirt.
3. Wipe down all vent inlets with a clean dry cloth.
4. Never use water around the electrical connections
5. Inspect the cord for damage before each use.
6. Never operate with extension cords that are under 12 awg.

7. Technical Data

Hurricane II Fan™ w/DMX P/N 100170 120v (230V P/N 100171, 100V P/N 100172)	
Weight	49 lbs (19.3 kg)
Size (with bracket)	19.75" x 22" x 20.75" (50.2 cm x 56 cm x 52.7 cm)
Shipping Weight	57 lbs. (25 kg) without clamp 60 lbs (27.3 kg) with clamp
Shipping Box Size	23" x 23" x 23" (58.4 cm x 58.4 cm x 58.4 cm)
DMX	On-board 3-speed DMX control
CFM's	3400 on high
Wind Speed	3 speeds to 58 mph (93 km/hr)
Wind Range	3 speeds to 150' (45.7m)
Fan Outlet Opening	6.5" x 18" (16.5 cm x 45.7 cm)
Motor	1 hp
Color	Black
Positioning	360 degrees
Electrical Supply	100 VAC, 15 A, 60 Hz
Blower motor under	120 VAC, 13 A, 60 Hz
UL/CUL regulations	230 VAC, 6 A, 50/60 Hz
No. E104096, CE certified	
Limited Warranty	One (1) year

Rev. 04/22/16

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 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.

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 80th St. SW #D
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