
HAZEMAX™

Operating Instructions



P/N 100020 (120 VAC w/DMX)

P/N 100025 (230 VAC w/DMX)

Thank you for purchasing this HAZEMAX™

- 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 haze effects if you care for and maintain your HAZEMAX™.

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1. Set of Equipment Supplied

- 1 HazeMax™ w/DMX (w/5-pin XLR in/out)
- 1 Remote Cycle-Timer Controller w/5-pin XLR in/out (P/N 600381)
- 1 Bracket for hanging (P/N 600258)
- Operating Instructions Booklet

2. Accessories and Parts

- CITC Water Vapor Haze™ P/N 150570
- CITC Organic Haze™ P/N 150580
- C-Clamp w/Safety Cable P/N 250110
- HazeMax™ Road Case P/N 250211
- C-Clamp w/eyebolt & hanging harness for 5 gal. (19 liter) Cubitainer (P/N 250076)

Please check whether all the products you ordered are supplied.

3. Description of the HazeMax™

The HazeMax™ w/DMX is CITC's professional hazing system. No other comparable machine delivers a more even output of 15,000 cfm of digitally controlled haze. The HazeMax™ can produce longer on high than the stiffest competition. The HazeMax™ uses a quiet, reliable pump with a 1500 watt heating head, a 1-channel DMX on board, remote control cycle-timer and hanging bracket. HazeMax™ uses water-based CITC hazing fluid. The extra dry haze leaves no mess and no residue.

4. Safety Instructions

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

- Never open the machine without disconnecting power lead first.
- **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.
- Be sure area around hazer is dry before applying electrical power.
- Make sure that your unit is pointed in a direction that leaves a 10ft (3m) open area out in front. Place the front of the machine away from direct contact with electrical instruments and people. Close output is very hot and wet.
- Fluid is very slippery when spilled. Care in keeping any drips or spills cleaned up is necessary.

5. Operating the HAZEMAX™

5.1 Selecting the Location

Secure a good location for the machine to rest solidly on the floor or suspended, so that the output of the machine will not be restricted. Make sure that your unit has sufficient open space in front of it. Always allow plenty of air circulation to allow the haze to expand, separate and enlarge.

5.2 Electrical Power Requirements

This machine requires a well-grounded 120 VAC (or 230VAC) circuit for operation. The HazeMax™ draws approximately 15 amps at 120 VAC. (The 230VAC model draws approximately 8 amps.) During HazeMax™ operation this circuit should be dedicated to the HazeMax™. Do not add other equipment on this circuit. If you have any doubts about the capacity or grounding of your existing circuits, consult a qualified electrician.

5.3 Hooking things up

Plug the 5-pin XLR of the Remote Control into the inlet marked "Remote Control Input". Fill the bottle with CITC's Water Vapor Haze™ fluid. Place the filter end of the tube inside the bottom of the bottle and tighten cap. Be sure the vent hole in the cap is not blocked.

5.4 Operating the HazeMax™ using the Remote Control

1. Turn on the power switch on the hazer. Verify that the red light in the switch and the red "POWER" LED on the Remote both come on. Wait approximately 7-10 minutes for the green "READY" light located on the remote control to come on.
2. Using the "VARY OUTPUT" button, you may adjust the output volume with the "OUTPUT" control KNOB.
3. Using the "TIMER KNOBS" button, you may adjust the "ON" and "OFF" knobs to set the haze cycle times. NOTE: Do not depress "VARY OUTPUT" when using timer.
4. The "BLAST" button will create maximum haze as long as you hold the button down. Using the manual control (BLAST) overrides the "OUTPUT" and "TIMER" functions, as well as DMX control.

5.5 Operating the HazeMax™ using DMX Control

With DMX control, you will be able to adjust the haze levels on/off, from 0 – 100%. By adjusting the dip switches on the back of the machine near the DMX cable plug-ins, the user may assign one DMX address to the HazeMax™, 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 back of the hazer.

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;

0 – 5%	= Off
5– 80%	= Volume Control
80 – 100%	= Maximum Blast Output

“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. As long as it is looped in/out, it will work.

Once your hazer is warm and the green “READY” light is on, you can control the haze output from the control booth.

5.6 Rest Period

Continuous operation of the HazeMax™ can be accomplished when OUTPUT is set at the 3 o’clock position. If the unit cools down when operating at the 100% / Blast setting, a 3-minute rest period for reheating is necessary.

5.7 Troubleshooting

- 1. If the pump does not draw fluid** into the hazing unit, check electrical power to the machine. Be sure the unit is warm and ready to operate. Then check to see that the tubing is in the fluid, not above the fluid. Check to hear any sound coming from the unit. A slight vibrating sound should be heard if the pump is pumping fluid. **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.**
- 2. If the green “READY” light does not come on** after warm-up, this may indicate that the unit has overheated. This may happen if there is not enough air circulation or if it is in a closed area. The machine needs to be air cooled if this occurs. If the green READY light stays off, this indicates the heat safety breaker has released. It will not reset until the unit has cooled to 169°F (76° C), at which time you can reset the breaker and it will be ready to use again. Plug in the unit and warm it up again. The green READY light should come on after 10 minutes. Call your dealer if this does not solve the problem.

6. Service and Maintenance

Care of your HazeMax™ will give you years of service. Note: cleaning your unit is going to pay off in constant good performance.

1. Dry all areas on the exterior of the machine once it is cool. Clean with a soft cloth to remove any haze fluid from inside the fluid compartment or outside area.
2. Do not store with haze fluid inside. When finished with the machine, clean the tube and pump by operating the unit while running a pint of 5% vinegar/distilled water mix through the pump and then rinse with a pint of distilled water. When finished, water should remain in the line for storage. Do not drain or empty the tube of water unless a freezing condition exists. Do not run the pump without fluid passing through the tube. This can cause damage to the pump and is not covered under warranty.
3. Do not transport or ship with haze fluid inside the machine.

7. Technical Data

HazeMax™ Technical Data P/N 100020 (230V P/N 100025)	
Type of Haze	Even, dry haze
Size:	22" x 9" x 11" (56cm x 23cm x 28cm)
Weight:	26 lbs (12 kg)
Shipping Size:	26 x 13 x 16 (66cm x 33cm x 41cm)
Shipping Weight	33 lbs (15 kg)
DMX	Built in 1-channel DMX
Fluid Type:	Water Vapor Haze™
Fluid Consumption:	@ 50 - 100% output 30 - 51 oz (1 - 1.5 liters) per hour
Warm Up Time	6-10 minutes
Heating unit	1500 watts
Remote Timer Included:	0-100% output control for continuous haze 0-100% haze output control when using cycle-timer 100% output using manual momentary "BLAST" button Cycle-timer = 1-11 seconds. "on", 0.2 - 5 minutes. "off"
Electrical Requirements:	120VAC, 15A or 230VAC, 8A
Breaker	120VAC: 15A ; 230VAC: 7A
Limited Warranty	One year
Rev: 03/19/2018	

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
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