



# SM100DMX “Flurry DMX” User Manual

## INTRODUCTION

Congratulations on the purchase of your MBT Lighting SM100DMX snow machine. Please read this manual carefully and thoroughly before using it, in order to operate it properly.

## SAFETY INFORMATION

Pay attention to all warning labels and instructions printed on the exterior of your MBT Lighting “Flurry DMX” Snow Machine.

1. For indoor use only. Do not use outdoors. Keep this machine dry. It must be used in a dry, moisture-proof place in order to work effectively. This machine is not water- or splash-proof. If moisture, water, or snow liquid gets inside the housing, immediately unplug the unit and contact a service technician or your MBT Lighting dealer before using it again.
2. Keep the snow machine in a well-ventilated area. Never cover the unit’s vents. In order to guarantee adequate ventilation, allow a free air space of at least 20 cm around the sides and top of the unit.
3. The Snow Machine can be used on the ground flat, or mounted overhead at no less than a 15° angle. Always keep it upright.
4. Do not use the Snow Machine without the proper liquid. Contact your MBT Lighting dealer to order. Use snow fluid liquid ONLY, otherwise any other liquid used, will cause damage rendering the snow machine unusable and your warranty invalid. Never add flammable liquids of any kind (oil, gas, perfume) to the snow liquid.
5. When filling/refilling, always unplug your Snow Machine before filling its tank. Do not drink the snow fluid. Always secure snow liquid cap before using the machine and keep dust and other particles out of the snow fluid container.
6. Always monitor tank fluid level during operation. Running a snow machine with no snow fluid can permanently damage the unit.
7. The snow machine produces a low minimum “wind” noise when working.
8. No user serviceable parts inside. Refer to your MBT Lighting dealer or other qualified service personnel.
9. For adult use only. Snow machine must be installed out of the reach of children. Never leave the unit running unattended.
10. Never aim the output nozzle directly at people.
11. Turn off or unplug the power cord when not in use.

## BRIEF INTRODUCTION OF FUNCTION

1. SM100DMX has two working modes:
  - DMX-512 control
  - Z-6 controller box control

2. In DMX mode, machine receives consecutive DMX value from channel 1 and DMX address decides snow volume and controls wind pump. Z-6 controller box has three functions:
- Manual mode –max volume of spraying snow
  - Consecutive mode-volume of spraying snow can be adjusted.
  - Interval mode-volume of spraying snow can be adjusted

## OPERATIONAL INSTRUCTION

### 1.Switch on and begin

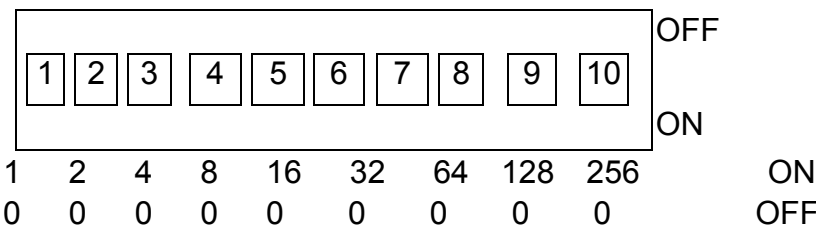
Plug power cord into a grounded electrical outlet. Turn power switch on rear of unit to “ON” position. For the 110V models, use 3-prong grounded electrical outlet only. Before using, make sure that the unit is installed at the rated voltage. Power cord should be grounded. Press the switch on the rear of panel to “ 1” and LED indicator will be on.

### 2.Controller box control (MASTER mode)

- A. Set dipswitch10 is off and connect Z-6 with snow machine. The Red LED indicator ON means controller box has connected with power. Blue LED is off.
- B. Press the Green knob (MANUAL button) to spray snow manually.
- C. Press the Red knob or CONT button to spray snow consecutively and rotate VOLUME knob to adjust snow volume.
- D. Press the Yellow knob or TIMER button to spray snow at 10 seconds ~ 20 minutes intervals. Rotate the INTERVAL knob to adjust interval time. Rotate the VOLUME knob to adjust snow volume in interval mode. Fixed time of spraying snow or blowing wind is 30 minutes.

### 3. DMX control

Set dipswitch10 to ON and connect DMX signal cord with snow machine. When there has DMX signal, the blue LED will flash. Set up initial DMX channel via DIP switch and then snow machine can be controlled by DMX channels. The first channel controls snow volume and the second channel controls wind volume.



AddR=Add1+Add2+Add3+-----Add9

For example 1、 3、 7、 9为ON； 2、 4、 5、 6、 8为OFF时

AddR=1+0+4+0+0+0+64+0+256=325

#### **4. MASTER/SLAVE mode with Z-6 controller box**

- A. Connect all fixtures with DMX signal cord and set the first machine in MASTER mode.
- B. Connect the first machine with Z-6 controller box and the others are slaves.
- C. Set DMX address of SLAVES 001 and the machine now can be controlled by MASTER/SLAVE mode.
- D. The Blue LED on MASTER will be off and Blue LED on slave will be on.

### **MAINTENANCE**

Frequent maintenance will extend the Snow Machine.

1. Do not allow the snow liquid to become contaminated. Always replace the caps on the snow liquid container and the snow machine liquid tank immediately after filling. Clear snow cloth and filtrated tip.
2. Before storing, flush out the system with clean water.

### **TROUBLESHOOTING**

If you experience low output, mechanical noise or no output at all, unplug immediately. Check fluid level, the external fuse, remote connection, and power from the wall. If all of the above appears to be OK, plug the unit in again. If snow does not come out after holding the remote button down for 30 seconds, check the hose attached to the tank to make sure there is fluid going through the hose. If you are unable to determine the cause of the problem, do not simply continue pushing the remote button, as this may damage the unit. Return the machine to your MBT Lighting dealer.

### **TECHNICAL SPECIFICATION**

Type: SM100DMX  
Name: Flurry DMX Snow Machine  
Voltage: AC/ 230V/50Hz AC/120V/60Hz  
Power: 1000W  
Fuse: 250V/6.3A or 110V/10A  
Volume of Snow: 1000MM<sup>3</sup>/MIN  
Capability: 5 Liters  
Dimension: L515\*W257\*H220MM  
Weight: 12.5KG

### **Save these instructions**

For more info, please visit [mbtlighting.com](http://mbtlighting.com) or call us at 1-800-845-1922 or email at [info@mbtlighting.com](mailto:info@mbtlighting.com).