Information specifically for:

SE-SNOW1

CE

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⚠ IMPORTANT INFORMATION ⚠

Save original packing and documentation for warranty, service and return issues.

Limited Warranty: This warranty covers defects or malfunctions in this equipment.   This warranty lasts for a period of one year from date of purchase. It is the owner's responsibility to provide invoices for proof of purchase, purchase date and dealer or distributor. If purchase date can not be provided, warranty period will start at manufacture date. It is the sole discretion of Techni-Lux to repair or replace parts or equipment.   All shipping will be paid by purchaser. This warranty does not cover lamps, fuses, belts, power semiconductors, relays, cleaning, standard maintenance adjustments or normal wear items or any problem resulting from the following: improper wiring, incorrect voltage (including low or over voltage conditions and lightning), abuse, misuse, improper maintenance or an act of God or damage resulting from shipping. Warranty will be null and void if the product is altered, modified, misused, damaged, or subjected to unauthorized repairs. Lamps are covered by relevant manufacturer warranty. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Any liability for consequential and incidental damages is expressly disclaimed. No other warranty, expressed or implied is made. Techni-Lux liability in all events is limited to, and shall not exceed, the purchase price paid.

Returning equipment and Repairs: All returns must be accompanied by a Return Merchandise Authorization (RMA) number and sent pre-paid. Contact the dealer or Techni-Lux directly to obtain an RMA. The RMA number must be clearly listed on the shipping label. Due care must be exercised in packing all merchandise to be returned. All repairs must be accompanied by a written explanation of the claimed problem or error encountered. Techni-Lux is solely responsible for determining a product's eligibility for coverage under warranty.   If returning for consideration of credit, all accessories and documentation, original protective material and cartons must be included and the equipment, packing and carton must be in new resalable condition. Credit for returned merchandise will be issued at the lowest current price and is subject to a restocking fee**.** No returns accepted on discontinued items. Techni-Lux is not responsible for merchandise damaged in transit and reserves the right to refuse any return that is damaged by the carrier, not accompanied by a Return Authorization Number (RMA#) or sent by freight collect.

Claims: All claims must be made within seven (7) days of receipt of merchandise. Any physical damage must be reported to carrier upon receipt of merchandise.

Please record the following information for future reference:
Model Number: SE-SNOW1

Serial Number: _____

Dealer: _____

Date of Purchase: _____

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UNPACKING

Immediately upon receipt, carefully unpack and inspect the unit to verify that all parts are present and have been received in good condition. If any parts appear damaged from shipping or the shipping carton shows signs of mishandling, retain all packing material for inspection and notify the shipper immediately. Save all original packing and carton. In the event that the merchandise is to be returned, the original carton and packing must be used. The customer will be billed for a new carton and packing if merchandise is received without the original carton and packing. The plastic bag shipped with the unit can be used to keep the unit clean if stored or installed in a temporarily dusty environment. Do not operate unit with plastic bag in place.

Save shipping materials

The packing and carton are designed to provide the unit with protection during shipping. Save original packing and documentation for warranty, service and return issues. Additional charges will be applied to return items not received in original or incomplete packing.

Claims

Physical damage must be reported to the Freight Carrier or Shipping Company upon receipt of merchandise. Damage incurred in shipping is the responsibility of the Freight Carrier or Shipping Company. It is the customer's obligation in the event that merchandise is received damaged caused by shipping to notify the Freight Carrier or Shipping Company immediately. All other claims not related to damage incurred during shipping must be made to the Dealer or Distributor within 7 (seven) days of receiving merchandise.

Returns

Returned merchandise must be sent prepaid, in the original packing with a Return Merchandise Authorization number (RMA) clearly listed on the shipping label. Items sent by Freight Collect or without a RMA number will be refused. Call your sales person and request a RMA prior to shipping. Be prepared to provide the model number, serial number and a brief description of the nature of the return. Shipping damage resulting from inadequate packaging is the customer's responsibility. Customer will be charged additional shipping charges to return products received in non original packing and or cartons.

SAFETY INSTRUCTIONS

> **!** **WARNING!!!** To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

▪ Keep this device dry.
▪ For inside use only. Not designed for outside use.
▪ Always unplug your SE-SNOW1 before filling its tank.
▪ Turn off or unplug when not in use.
▪ Never aim output directly at a person(s) or animal.
▪ Always disconnectt mains before cleaning or servicing.
▪ Never drink snow liquid. If it's ingested, call a doctor immediately. If snow fluid comes into contact with skin or eyes, rinse thoroughly with water.
▪ 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 distributor before using it again.
▪ The unit must be installed out of the reach of children. Never leave the unit running unattended.
▪ Avoid using where all the snow will go to one spot on the floor, as prolonged use of this machine may cause the floor to become slippery.
▪ To avoid snow build up on the floor, mount the machine high enough to allow the dispersion and use ventilation to spread the snow flakes in the air.
▪ No user serviceable parts inside.

INTRODUCTION

Thank you for your purchase of this 2-channel Snow Machine. The Snow Machine creates a flurry of artificial snow flakes for staging, theatrical and show use. Uses non-toxic foaming liquid. With DMX, you can adjust the output or snow flake to enhance your scenes. Please read this user guide thoroughly before operation. Proper use and care of this product will prolong the life of this device.

FEATURES

- ▪ Discharges approximately 10-15 feet
- ▪ Stand-alone or DMX operation
- ▪ DMX Channels: 2, Ch1-Snow output & Ch2-Blower speed
- ▪ Wired Remote included
- ▪ 3pin XLR In/Out

SPECIFICATIONS

- ▪ Tank capacity: 3.7 liters
- ▪ Power consumption: 1200W
- ▪ Power: 120vAC 50/60Hz
- ▪ Size: 24.02"x14.37"x14.37"
- ▪ Weight: 12Kgs/26.4Lbs
- ▪ Color: Black/Silver steel plate body

PRODUCT VIEW

Fluid Tank Cap

Remote Input
Dip switch
DMX In
DMX Out
Air Volume
Power switch
Fuse holder
Power Input

Output

SETUP

1. Open the shipping carton and carefully remove the unit from the shipping carton.
2. Set the snow machine on a flat dry surface. Locate the included bracket from the package and install it using the supplied hard ware to the side casing.
3. Remove the fluid tank cap and fill the tank with TECHNI-LUX branded snow fluid only and then tighten the cap.
4. Firmly attach the timer remote control unit to the rear remote control socket on the unit.
5. Set the AIR VOLUME switch, to produce either a large snow output or small snow output. Put the switch in the top position for large flakes or the bottom position for small flakes.
7. Plug the unit in to a matching power supply.
8. Follow the operating instructions on the next page for proper operation.

Mounting

Always consult a qualified professional when rigging. Consider access for routine maintenance and refilling the fluid container, when selecting a mounting position. This unit must be mounted in a horizontal position with only a +/- angle of about 20 degrees, to avoid any spillage of fluid from the container. The position selected must provide adequate room for ventilation and projection of the snow effect. Mount the fixture securely using a mounting clamp and a safety cable. Always keep cords out of the way, thus preventing any trip hazards. Secure all cables properly and keep them away from any fluids. Do not mount where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation. Do not obstruct any vents, as this will prevent the machine from producing the snow effect and cause the blower to malfunction.

Power

⚠️ **Do not apply power to the unit until power source is verified. For protection against electric shock, fixture must be connected to suitable earth ground. Make sure fixture is disconnected from power mains before any service.**

This unit requires the mains voltage and frequency to be 120vAC 50/60Hz. The listed power rating is its average wattage under normal conditions. All units must be powered directly from a

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switched circuit. <u>This unit cannot be run on a rheostat or dimmer circuit even if used solely for a 0% to 100% switching.</u> Before applying power to a unit, check that the fixture's input voltage matches the power source voltage. Consult a qualified electrician if there are any concerns about proper connection to power.
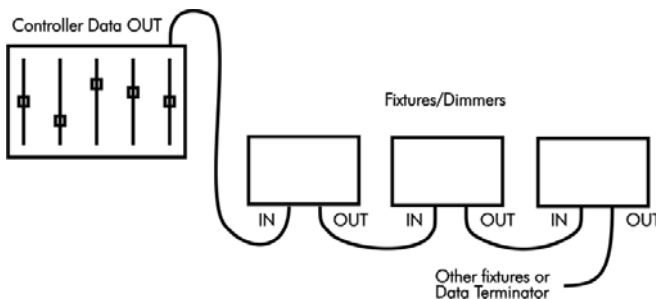
DMX-512 Background

DMX-512 is a digital data transmission standard developed by the United States Institute for Theater Technology (USITT). It is designed to enable control of lighting equipment, originally dimmers. DMX deals solely with the formatting of data for transmission and does not dictate how the data is created or used.

Under DMX, signals are transmitted in much the same way a computer modem transmits data. The Data, divided in to channels, is "Framed" using a start bit, high (1), eight data bits and finally, two stop bits, both high (1). DMX uses no parity to check the integrity of the signal. Instead, DMX relies on the ultra low probability of an error occurring in the same place when the data is resent. The rate at which data is sent is fixed at 250k bps, almost four and a half times faster that a 56k modem. This speed allows all data on a DMX chain to be updated more than 44 times every second.

The transmitted data follows a specific format. DMX allows for 512 channels each with eight data bits, giving each channel the possibility of 256 values. When a data "Packet" is sent, all channels are transmitted one after another. Even if the data on a specific channel has not been changed, it must be sent. In a packet, a "start code" of all zeros is sent before the data to identify the signal as a Standard DMX transmission. This start code is transparent to the user and is handled by the controller.

The physical signals are transmitted using a twisted pair of wires and a common shield, a configuration called Balanced. The controller and all receiving equipment are connected using a "Daisy Chain" connection. The signal is jumped from the controller to a piece of DMX equipment. From there, the signal is jumped to the next piece of equipment and so on until the last piece of equipment is connected. No branches are allowed and the signal does not come back to the controller. The final piece of equipment will have only one cable connection. As a result, all equipment connected to the chain will see exactly the same signal whether it is first or last. When connecting equipment, no particular attention needs to be paid to the order in which the equipment is connected. Depending on the conditions and equipment, a line terminator may be required. If there is any question, in most circumstances the addition of a terminator will not degrade the signal. To make a terminator, add a 120-ohm resistor between the Signal Data Negative and Signal Data Positive pins of a connector in the last piece of equipment in the chain.
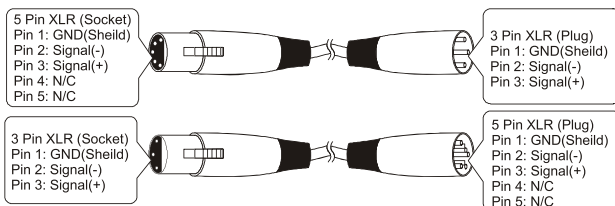

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The DMX Standard calls for connections between DMX compatible equipment to be made using 5 pin XLR connectors. However, it is common to see fixtures with 3 pin XLR connectors as these types of balanced or "Lo-Z" cables are common in the audio industry. In either case, pin numbers are the same and carry the same signals.

Pin	Connection
1	Common (Shield)
2	Data Negative (S- or Cold)
3	Data Positive (S+ or Hot)
4	n/c (not used)
5	n/c (not used)

Adapter 5-to-3 pin

Numbers designating each pin can be found on connectors. Converting between the two XLR types is done in a pin-to-pin fashion. Connect the shields to pin 1, then connect pin 2 to pin 2 and pin 3 to pin 3. This is true for converting either 5 to 3 pin or 3 to 5 pin regardless of either connector's gender. Pins 4 and 5 are not used on the 5 pin XLR connectors.

5 Pin XLR (Socket)
Pin 1: GND(Sheild)
Pin 2: Signal(-)
Pin 3: Signal(+)
Pin 4: N/C
Pin 5: N/C

3 Pin XLR (Plug)
Pin 1: GND(Sheild)
Pin 2: Signal(-)
Pin 3: Signal(+)

3 Pin XLR (Socket)
Pin 1: GND(Sheild)
Pin 2: Signal(-)
Pin 3: Signal(+)

5 Pin XLR (Plug)
Pin 1: GND(Sheild)
Pin 2: Signal(-)
Pin 3: Signal(+)
Pin 4: N/C
Pin 5: N/C

OPERATING INSTRUCTION

Always be sure to maintain an adequate supply of Techni-Lux brand Snow fluid in the fluid tank. Running the snow machine dry will cause pump failure. Only Techni-Lux snow fluid is recommended!

DMX Control

The snow machine functions on two DMX channels for snow output and blower speed. To operate in DMX mode, you need to set the machine in DMX mode and address it.

1. Connect the SE-SNOW1 to a standard DMX controller.
2. For DMX mode set DIP Switch 10 to OFF position.
3. Set address for the machine using DIP Switch 1- 9. See Dip Switch chart as below.
4. Blue LED indicator on back of the machine stays on, indicating DMX communication is ready.
5. Move sliders on DMX controller to adjust snow output and blower speed for desired effect.

Dip Switch chart.

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

Wired Remote Control

1. Set DIP Switch 9 & 10 to ON position.
2. Plug in Wired Remote and switch on the machine.
3. Red LED indicator on the Remote is lit up.
4. The following functions are available:

    a. Press the yellow TIMER button and yellow LED is lit up. Use INTERVAL knob to adjust interval from 0- 60 minutes and VOLUME knob for various snow output. The length of snow generation is 15 seconds.

    b. Press the red CONTINUOUS button for continuous generation of snow. You can adjust snow output with VOLUME knob.

    c. Press green MANUAL button for 100% snow output.

Master/Slave

1. Connect two or more units with DMX cables.
2. For the master, set DIP Switch 9 & 10 to ON position.
3. For the slaves, set DIP Switch 10 to OFF position.
4. Operate the Wired Remote plugged in the Master to run the whole system.

REPLACING FUSE

In the event that the unit does not function when plugged in, then it is likely that the fuse has blown. Disconnect from main power before replacing the fuse.

1. Unscrew the 'Fuseholder Cap' to reveal the fuse.
2. Remove blown fuse and replace wtih the SAME rating and value.
3. Put the 'Fuseholder Cap' back in place.

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