SW-D2

Digital Snow Machine

Item ref: 160.568UK

User Manual

⚠ Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction:

Thank you for choosing the SW-D2 digital snow machine for stage and events special effects. This product is designed to produce high volume snow output on demand for festive and themed events. Please read these instructions in full to gain the best results from this item and avoid damage to the unit through misuse.

Unpacking:

Your SW-D2 should reach you in good condition and should be supplied with IEC mains lead(s), a wireless remote control with transmitter and mounting bracket with thumbscrews. If there are any signs of damage or items missing from the packaging, contact your dealer immediately.

Warning:

To prevent the risk of fire or electric shock, do not expose electrical parts to rain or moisture. If liquids are spilled on areas other than the fluid tank or nozzle, disconnect from the mains, allow the unit to dry out and have it checked by qualified personnel before further use. Avoid any impact, dropping or extreme pressure to the housing. No user serviceable parts inside - do not open the case. Allow the SW-D2 to acclimatize to room temperature before operating. Refer all servicing to qualified service personnel.

Placement:

The SW-D2 has a built-in snow fluid container and should be operated in an upright position. If free-standing, ensure that the SW-D2 is positioned on a stable, non-slip surface. If mounted at height, use the integral mounting bracket and attach a safety cable for added security.
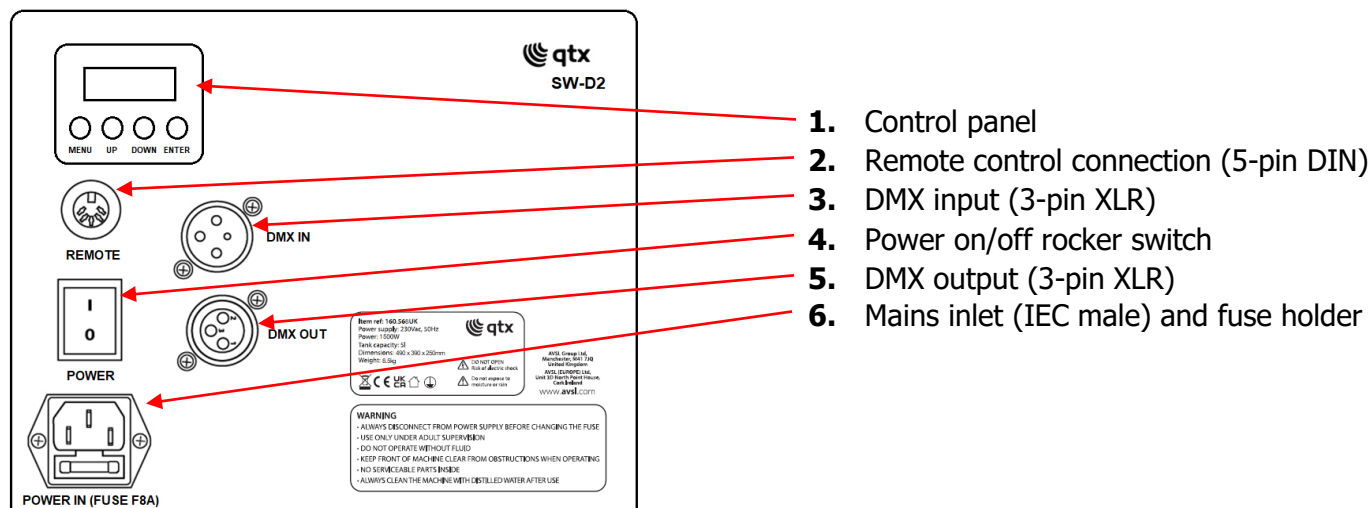
Safety:

- Check for correct mains voltage and condition of IEC lead before connecting to power outlet.
- Check the condition of the remote transmitter lead and ensure that it is not trapped.
- This unit must be earthed.
- This unit produces a snow effect using foam, which may cause a slip hazard on some floor surfaces.

Cleaning:

- Use a soft dry or slightly damp cloth to clean the casing.
- Do not use strong solvents for cleaning the unit.
- Clean the foam mechanism periodically by operating with distilled water instead of snow fluid.

Rear Panel:

1. Control panel
2. Remote control connection (5-pin DIN)
3. DMX input (3-pin XLR)
4. Power on/off rocker switch
5. DMX output (3-pin XLR)
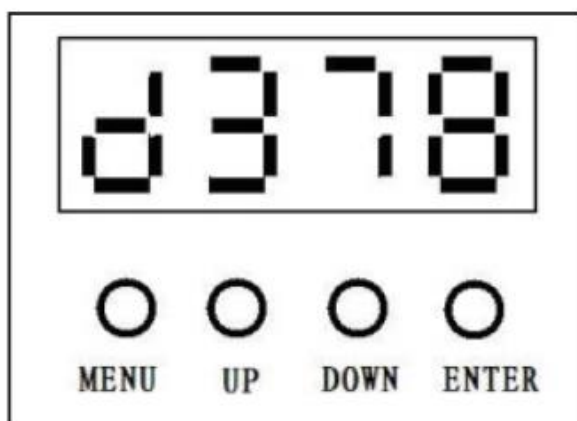6. Mains inlet (IEC male) and fuse holder

Setting up:

The SW-D2 requires snow fluid, which forms small foam drops to create the snow effect.
It is recommended to use QTX snow fluid for best results (160.578UK or 160.579UK)

- Unscrew the top cap of the fluid tank (removable) and fill with the selected snow fluid.
- The SW-D2 can accommodate a complete 5 litre snow fluid refill if preferred.
- Replace the cap and close securely, ensuring the pipe is fed down to the bottom of the bottle so that a consistent flow of fluid is supplied to the machine.
- Connect the remote-control transmitter to the 5-pin DIN connection on the rear panel (**2**).
- Connect the IEC mains lead supplied to the rear mains inlet (**6**).

Control Panel operation:

MENU	Scroll through menu options
UP	Increase current menu value
DOWN	Decrease current menu value
ENTER	Select current menu value

Value	Operation
-OH-	Unit standby status
A001-A512	DMX address code setting
P001-P100	Snow output (low to high)
I001-I900	Snow interval setting (in seconds 1-900)
D001-D900	Snow continuous output (in seconds 1-900)

Remote-control operation:

A	Pump off
B	Pump on
UP	Increase snow output
DOWN	Decrease snow output

DMX operation:

For DMX operation, a single channel controls both the fan and snow output pump.

- Connect DMX input from a controller or prior device to the XLR connector (3) on the rear panel.
- Connect further DMX devices from the XLR connector (5) on the rear panel.
- Set the DMX address (single channel) using the control panel on the main unit (1).

DMX control values operate the snow machine as follows:

Value	Fan	Fluid pump
0 - 5	Pump off	and no snow output
6 - 255	Pump on	and snow output gradually increasing

When in use for long periods, periodically check the fluid level indicator and refill if necessary. Check that the foam produced does not cause a slip hazard on the floor surface and clean if necessary. Switch off mains power when not in use. Disconnect from mains before moving or storage.

Specifications:

Power supply	220-240Vac, 50/60Hz (IEC)
Fuse	F8A
Power	1500W
Area coverage	10㎡ approx. (floor indoors, nozzle at 45°); 20㎡ approx. (@ 5m indoors, nozzle at 45°); 30㎡ approx. (@ 10m indoors, nozzle at 45°)
Remote control	433Mhz
DMX channels	1 channel (fan on/off & output 1 - 100%)
Dimensions	250 x 390 x 490mm
Weight	8.5kg

Troubleshooting:

No light on mains switch	Check mains voltage is correct and socket is switched on
	Check IEC lead is OK and connected properly
	Check mains fuse in IEC connector and fuse in plug top
	If fuse blowing repeatedly, refer to qualified service personnel
No snow output	Check snow fluid level
	Check that rocker switch is on and output control is turned up
	Check that nozzle cloth is not blocked and clean with water if necessary
No snow output when using DMX control	Check that DMX lead is connected properly and correct start address is set
	Ensure that a value between 6 and 255 is being transmitted on the channel

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Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as electrical or electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.