

UMBRA-1200

Low Mist Generator

Item ref: 160.480UK

User Manual



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

Introduction

Thank you for purchasing the UMBRA-1200. This product has been designed to produce ground-hugging mist effects. Please read and keep this manual to get the best results from the product and avoid damage through misuse.

Recommended fluid

For the UMBRA-1200 haze machine operates using low-level fog fluid and water. We recommend the following fog fluid for use in this machine.

QTX ref code	Description	Size
160.592UK	Low Level Fog Fluid	1 Litre
160.593UK	Low Level Fog Fluid	5 Litre

Unpacking

The UMBRA-1200 is self-contained in its own flight case with lockable castors for stability. Inside, the main unit is seated on the base with the flexible duct and outlet funnel attached and the fluid tank is installed into the main unit. IEC mains lead and 5-pin remote control lead are also provided. If you find any accessory is missing or the machine has arrived with any problems, please contact your local dealer at once.

Warning

To prevent risk of fire or electric shock, do not expose electrical parts to rain or moisture. If liquids are spilled on areas other than inside the fluid tank, disconnect the mains, allow the UMBRA-1200 to dry out and have it checked by qualified personnel before further use.

Avoid any impact, dropping or extreme pressure on the housing.
Avoid blocking or crushing the flexible duct, as this could lead to damage during use.

Do not open the case other than the water reservoir and remote-control cavity.

No user serviceable parts inside. Refer any repair or service to qualified personnel.
Allow the UMBRA-1200 to acclimatize to room temperature before operating.

Placement

The UMBRA-1200 has a built-in fluid container which can be removed for filling.
When in place, ensure that the cap is securely sealed and the bottle is not inverted.

The UMBRA-1200 also has a water reservoir, which should be filled to the required level.
The unit in its flight case should be positioned on a stable surface.
Remove the lid completely before operating.

Safety

- Check for correct mains voltage and condition of IEC lead before connecting to mains
- This unit must be earthed
- This unit uses a heating element – be aware that parts of the housing may be hot in use!

Use power supply with Earth connection and adequate current capacity for the unit

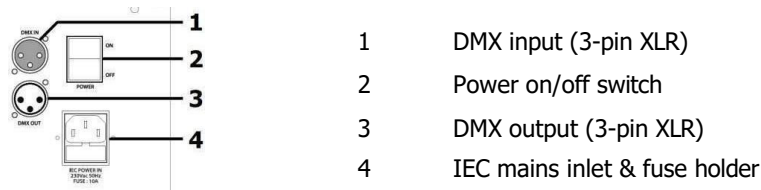
Use the plug to connect to the main power supply as follows:

Wire	Connection	International symbol
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

Cleaning

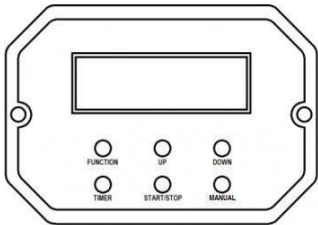
- Use a soft dry or slightly damp to clean the casing
- Do not use strong solvents for cleaning the housing or case
- Clean the haze mechanism periodically by operating with distilled water instead of haze
- It is also recommended to use fog machine cleaning fluid (160.670UK) periodically to clean out the fog mechanism

Connection panel



Control panel

FUNCTION	Press to step through various menu functions
UP/DOWN	Set parameter values +/-
TIMER	Enter timer mode
START/STOP	Start/stop continuous mist
SPEED	Set fan speed
MANUAL	Manual mist



Setting up

The UMBRA-1200 is fitted into its own flight case, which is fitted with castors. Roll the unit where it needs to be operated and secure into position by pressing down the lever on the lockable castors.

Unfasten the 4 butterflies catch on the case and completely remove the lid. The UMBRA-1200 has a funnel and a flexible duct, which should be placed on the floor and aimed at the area where the low-lying mist is to be produced.

Unscrew the cap of the fluid tank and fill with fluid (the bottle may be removed to help avoid spilling fluid onto other parts of the housing during filling). Replace the bottle and cap securely and push the feed tube down to the bottom of the bottle to ensure a consistent flow of fluid when the machine is being operated.

At the front of the housing is a hinged lid which can be released by undoing 2 clips either side of the flexible outlet duct. Open the lid using the handle on top and fill with normal tap water to the Recommended Fill Level as indicated on the window at the side of the housing. Too much or too little will result in poor performance.

If DMX512 is to be used for control, connect the DMX signal from the controller to the DMX Input XLR connector (1). Any further DMX controlled units may be connected via the DMX Output XLR connector (3)

The 6-button control panel and display govern settings and standalone operation. This panel can be used in situ or removed and used as a remote controller. To remove the panel, unfasten the 2 hand screws on each side of the panel and carefully pull the control panel away from the housing. Inside, there is a fixed connector which is normally plugged into the rear of the control unit, but this must now be linked using the 5-pin control lead supplied with the UMBRA-1200.

Once connected, the control panel will operate in the same way as if mounted into the housing. These connections should be made before powering up.

When replacing the control panel into the housing, carefully align the rear connector with the mating connector inside the control panel cavity.

Connect the UMBRA-1200 power using the mains lead provided to the IEC inlet (4)
When all connections are in place, switch on the mains power (2)

Operation

Before mist can be produced, the UMBRA-1200 needs to heat up, for 3 to 5 minutes. If the display shows "Warming", the heater is pre-heating.

If the display shows "Ready to Fog", it is at the required temperature for operation. Settings and standalone operation are entered on the control panel as follows.

Display (FUNC)	Setting (UP/DOWN)	Description
Man Vol	1% - 100% (percent)	Mist Volume in Manual operation
Interval Set	1s - 900s (seconds)	Interval between output on timer
Duration Set	1s - 200s (seconds)	Duration of output on Timer
Volume OUT	1% - 100% (percent)	Mist Volume in Timer operation
Wind Set	1% - 100% (percent)	Mist blowing fan speed
DMX512 Add	001-512	Set the DMX start address

To produce mist on demand, press MANUAL and the START/STOP button for continuous mist output and press again to stop. The internal Manual and Wind Set settings will affect the amount and rate of output.

To initiate a timed output, using FUNCTION and UP/DOWN buttons, set the required Duration (mist output) and Interval (no mist output) times and then press TIMER to initiate the timer (time countdown will show in the display)
Press TIMER again to stop the timer operation.

The Volume OUT and Wind Set settings will affect the amount and rate of output. To operate remotely via DMX, use FUNCTION and UP/DOWN buttons to set the DMX start address and then operate across 3 DMX channels as described below
(Note: If a DMX signal is being received, this will override Manual or Timer modes)

DMX Channel	Value	Function
Channel 1 (start address)	0-255	Mist output volume 0%-100%
Channel 2 (start address + 1)	0-255	Fan speed 0%-100%

After use, switch off the mist output and wait until no more mist is produced. Unplug from the mains supply and allow the unit to cool down.
Remove and empty the fog fluid tank and empty the water reservoir via a tap near the bottom.

Stow away or replace the control panel if removed from the housing.
Replace the funnel and flexible duct before fitting the lids and moving the UMBRA-1200

Specifications

Power supply	220-240Vac, 50Hz (IEC)
Power consumption	1200W
Fuse	F8AL
Connection	DMX in & out (3-pin XLR)
DMX channels	2
Warm up time	3-5 minutes
Fluid capacity	0.8 litre (fog fluid)
Fog output	9000 cu ft (255m³) /min
Dimensions	590 x 510 x 410mm (in flight case)
Weight	25kg (in flight case)
Remote control connection	5-pin XLR

Troubleshooting

Warning: Hot components! ... Switch off and allow it to cool before touching the unit.

No backlight on control panel display (or fan not working)	Check 5-pin lead connection between control panel & main unit
	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 blows repeatedly, refer to qualified service personnel
Control panel display is on but no fog/mist output on manual or continuous mode	Check fluid level in tank and water level in reservoir
	If fluid is OK and pump working, the lines may be blocked
	Check that output is not set to zero on the control panel
	If blocked, clean with fog machine cleaner & distilled water
	Check that if DMX mode is selected, the DMX channel is correct
	Check that flexible duct is not blocked or obstructed
	In DMX mode, check that haze output is not set to zero



This 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.

Errors and omissions excepted.

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