

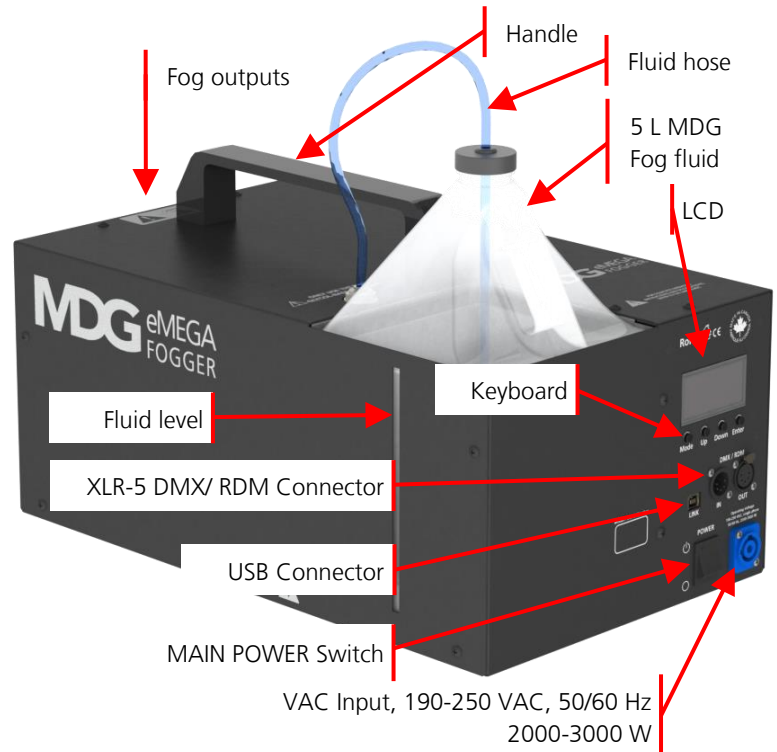
MDG eMEGA

Installation

- Connect the data wiring (Female XLR-5 connector for DMX/RDM) if you are using a DMX or RDM controller.
- Connect the power cord 190-250 VAC, 50/60 Hz, 2815W nominal (2000-3000 W).
- Install a MDG **Glycol-based fog fluid bottle (MDG Dense, MDG Low Fog or MDG WB2)**, and connect the fluid hose.



Power ON the MDG eMEGA.



Working with the keyboard (LOCAL Mode)

- Verify the communication mode in the «INTERFACE ▶ COMM. ». When the «AUTO» mode is activated, the MDG eMEGA is then controlled by DMX, only if there is a signal. If the DMX wire is unplugged, the control remains local.
- When the fogger is manually switched to «UNIT ON» mode («CONTROL ▶ UNIT ▶ ON»), the program starts the heating cycle for approximately 8 minutes («STATUS ▶ STATE = % HEAT»).

When the temperature reaches its operating level, the fogger is ready to produce fog («STATUS ▶ STATE = READY»).

- Choose the personality: **Normal** or **Burst** mode («CONTROL ▶ PERSO»).
- To produce Fog, switch the generator to «FOG ON» mode («CONTROL ▶ FOG ▶ ON»).

The MDG eMEGA will start to produce fog right away. Fog emission can be controlled by adjusting the output («CONTROL ▶ OUTPUT») in Normal mode, or the fog duration («CONTROL ▶ BURST DUR») in Burst mode.

In **Burst** Mode, the fogger produces a **UNIQUE** burst of fog. The user must switch back the Fog menu to OFF («CONTROL ▶ FOG ▶ OFF») to be able to redo another burst of fog.

The MDG eMEGA will produce fog as long as the control parameters are within specifications, the fog fluid reservoir filled, and the gas bottle pressurized.

If a critical problem occurs, the fogger automatically shuts down, and displays an error message in the **Status Menu**.

The most common errors are (check the User Guide for more details):

- ERROR = HEATER Check the AC voltage.
 Reduce the output if the voltage is too low.
- ERROR = PCB HIGH Move the fogger in the shade.
 Shut down, wait few minutes and restart the fogger.

Working with DMX/RDM Control (DMX Mode)

- Connect a DMX line to DMX In connector (Male XLR-5 connector).
- Select the communication mode in the «INTERFACE ▶ COMM. ». When the «AUTO» mode is activated, the MDG **eMEGA** is then controlled by DMX, only if there is a DMX signal.
- Set the DMX Start Address in the Interface Menu («INTERFACE ▶ COMM. ▶ DMX ADDR») and choose any value between 1 and 510 (512, last DMX channel).

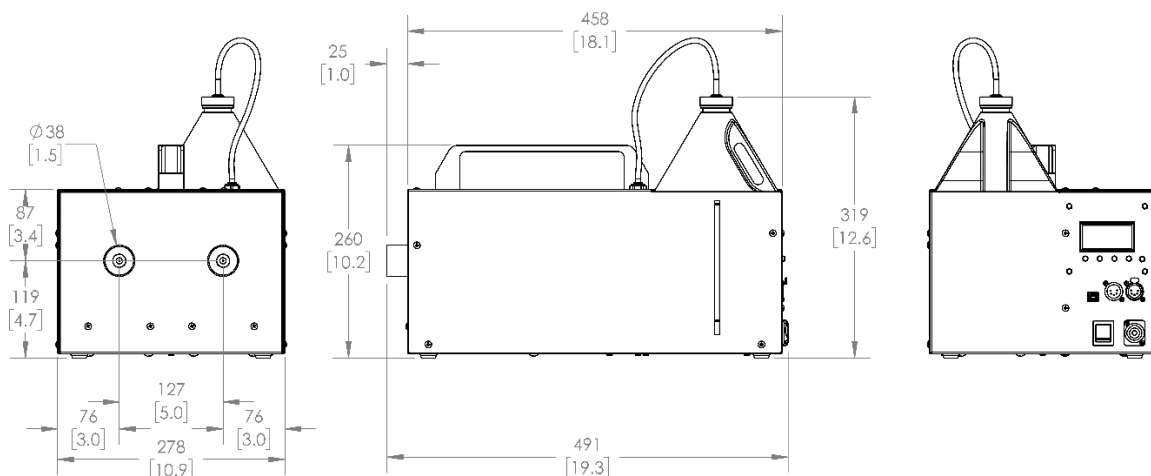
The DMX Start Address can be reassigned via a RDM control.

The fogger uses three (3) DMX channels. Second channel function varies depending on its personality:

- | | | |
|-------------|--|--------------------------------|
| • Channel 1 | 0 (0%) < UNIT OFF ≤ 128 (50%) < UNIT ON ≤ 255 (100%) | Normal mode personality |
| • Channel 2 | 0 (0%) to 255 (100%) , FOG OUTPUT (from minimum to maximum) | |
| | 0 (0.1 s) to 255 (25.5 s) , BURST DURATION (1/10 of second) | |
| • Channel 3 | 0 (0%) < FOG OFF ≤ 128 (50%) < FOG ON ≤ 255 (100%) | Burst mode personality |

Technical Specifications

Maximum fog output (per minute):	150 m ³ (5,000 ft ³), in Normal mode
Fog colour:	Pure white
Particle size:	1 to 3 microns
Fluid consumption:	3.5 L (0.92 US gal) per hour
Fluid type:	MDG Dense, Low Fog or WB2 Fog Fluid ONLY M.S.D.S. available on request
Fluid capacity:	5 L (1.32 US gal) bottle
Warm-up time:	8 minutes
Operating voltage:	190-250 VAC, 50/60Hz, 1 phase, Ground / Earth connection REQUIRED
Power consumption:	2815 W nominal (2000-3000 W)
Operating temperature:	0 °C to 50 °C (32 °F to 122 °F)
Operating humidity:	90 % relative humidity @ 50 °C (122 °F), non-condensing
Storage temperature:	-40 °C (-40 °F) to 60 °C (140 °F)
Storage humidity:	80% relative humidity @ 60° C (140 °F)
Approval:	CE and ETL field approved
Dimensions :	26 cm (10") H x 28 cm (11") W x 49 cm (19") L
Weight:	16 kg (35 lb)



... For further details, please read the **User Guide**.