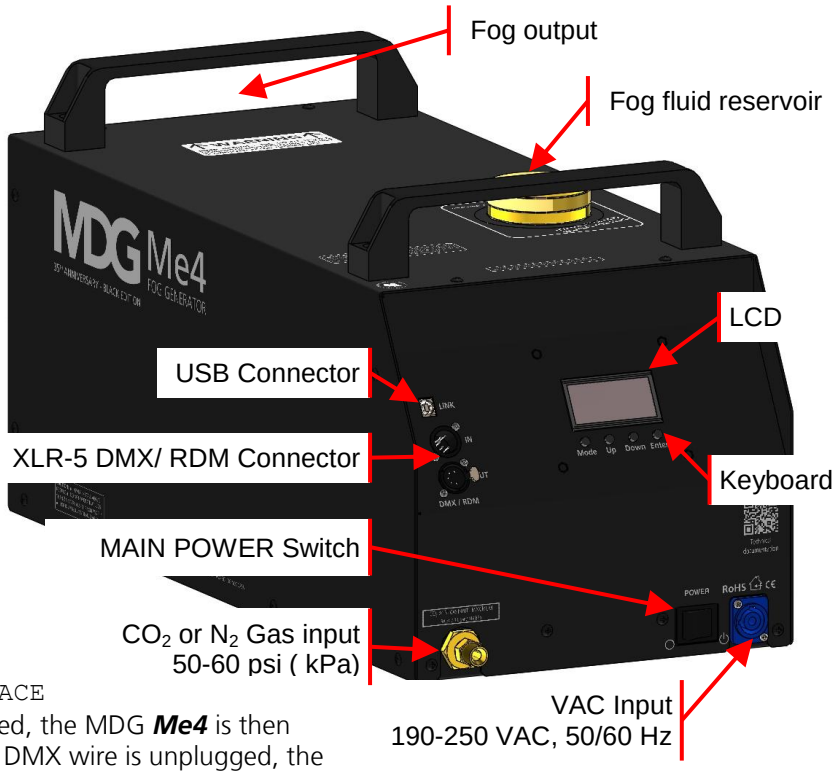
Quick Start

MDG Me4

Installation

- Connect the gas inlet to a gas bottle equipped with a regulator. The gas inlet is an Oxygen Adaptor (9/16-18 R.H).
- Connect the data wiring (Male 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.
- Open the gas bottle (CO_2 or N_2 industrial grade, over 99% of purity), and **set the regulator pressure between 50 and 60 psi** (3.5 and 4.1 bar, or 350 and 410 kPa).
- Fill the reservoir with **MDG Neutral Fog Fluid.**

*Power ON the MDG **Me4**.*



Working with the keyboard (LOCAL Mode)

- Verify the communication mode in the «`INTERFACE ▸ COMM.`». When the «AUTO» mode is activated, the MDG ***Me4*** is then controlled by DMX, only if there is a signal. If the DMX wire is unplugged, the control remains local.
- When the generator 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 operating level, the Automatic Purging System™ (APS™) will be initiated («`STATUS ▸ STATE = PURGE`»).

  After the first purging cycle is completed (1 min), the generator is ready to produce fog («`STATUS ▸ STATE = READY`»).
- To produce Fog, switch the generator to **«FOG ON»** mode («`CONTROL ▸ FOG ▸ ON`»).

  The MDG ***Me4*** will start to produce fog right away.

  Fog emission can be controlled by adjusting the working pressure of the internal reservoir («`CONTROL ▸ PRESSURE`»).

The MDG ***Me4*** 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 fog generator automatically shuts down, and displays an error message in the **Status Menu.**

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

- ERROR = P. LOW — Gas bottle is probably closed, empty or not connected. Check also the regulator pressure.
- ERROR = P. HIGH — The input gas pressure is too high (Pressure between 50-60 psi / 3.5-4.1 bar / 350-410 kPa).
- ERROR = HEATER — Check the AC voltage.
- ERROR = PCB HIGH — Move the generator to a colder location.

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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 ***Me4*** 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 generator uses three (3) DMX channels:

- Channel 1 **0 (0%)** < UNIT OFF ≤ **128 (50%)** < UNIT ON ≤ **255 (100%)**
- Channel 2 **0 (0%) – 255 (100%)**, FOG OUTPUT (from minimum to maximum)
- Channel 3 **0 (0%)** < FOG OFF ≤ **128 (50%)** < FOG ON ≤ **255 (100%)**
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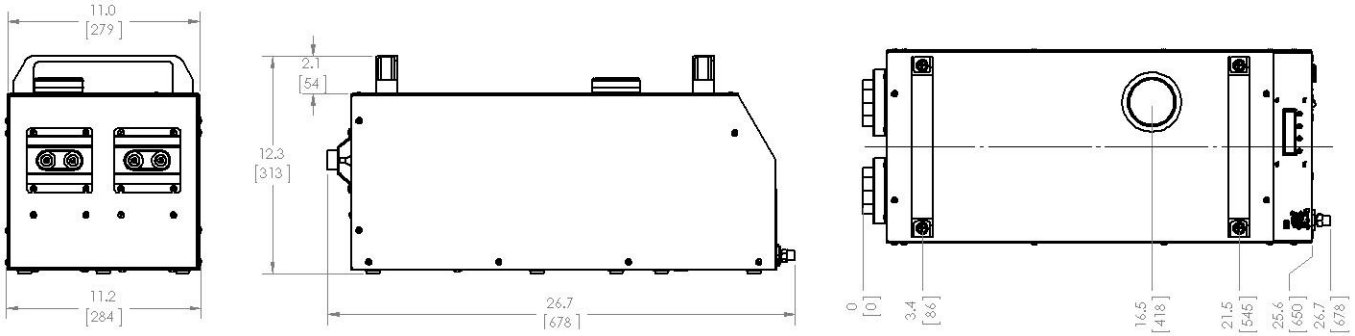
Technical Specifications

Maximum fog output (per minute):	400 m^3 (14,126 ft^3)
Fog colour:	Pure white
Particle size:	0.5 to 0.7 microns
Fluid consumption:	4 L (119 oz / 1.06 US gal) per hour at 2.76 bar / 40 psi
Fluid type:	MDG **Neutral™ Fog Fluid** ONLY M.S.D.S. available on request
Fluid reservoir:	2.5 l (0.66 US gal) bottle
Gas type:	Industrial Grade CO_2 or N_2
Gas pressure input:	4.15 bar / 60 psi max
Gas consumption:	3.4 kg (7.5 lb) per hour at 2.76 bar / 40 psi
Operating voltage:	190-250 VAC, 50/60Hz, 1 phase, 2815 W Ground / Earth connection **REQUIRED**
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, CSA and UL pending
Dimensions	31.5 cm (12.5") H x 28.5 cm (11.5") W x 68. cm (27") L
Weight:	33 kg (84 lb)



… For further details, please read the ***Operating Guide.***

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