

20080407

Gusto

FM-GT1800

User Instructions

Gusto



Specification

Model	GT-1800
Applicable Voltages	120V/60Hz or 230, 240V/50Hz
Power	1700W
HEATER Power	830Wx2
NFB	16A or 9A
Output (cu.ft/min)	30000
Warm Up Time (min)	5
Tank (liter)	6.5
Dimensions (LxWxH)	613x299x254 mm
Weight	14 kg
Matching Controller (built-in)	DC-3S
Matching Controller (option)	DC-3 (plastic case)

* Voltage is preset at the factory and may not be changed.



Warning!

Like all electronic products, Gusto Fog Machines must be used with safety precautions in mind. Fill enough fog fluid before plugging in, empty fluid tank when not in use or moving.



- Products for indoor use only. Keep away from liquids. Never operate in rain or in damp conditions.
- Use only appropriate, grounded electric power supply for your unit. See your product specification label for appropriate power supply. This appliance must be earthed.
- Disconnect from electric mains power supply when not in use, when filling the fog fluid tank, or when changing a fuse. Keep unit dry. If moisture or liquids enter the fog machine case, immediately disconnect power supply. Contact a service technician to determine safety for use.
- Keep machine in flat position, never put it in tilted place.
- Before moving fog machine, always drain fog fluid into the tank and tighten the tank cap securely to avoid spilling.
- Without user-serviceable parts in the package, please contact your local agent or qualified technician for servicing.
- Without changeable structure by non-qualified user, please do not open the up cover or have any change at will, otherwise, it may cause accident!
- Fog machine is for adult use. Keep out of reach of children. Never leave the unit running unattended.
- Fog machine nozzle gets hot over 200 degrees (centigrade) during use. Don't touch! Maintain a safe distance over 100cm. Never aim the nozzle directly at people.

Appendix-A DC-3S

FUNCTION: Select first DMX address, Interval, Duration, Volume, Master, Channel, then have the numerical value changed by using UP and DOWN buttons.

DMX address: Setting of DMX address, pressing UP/DOWN button at the same time have the number return to "0".

Interval: Setting of Interval time from 10s~250s, effective as starting the Timer function.

Duration: Setting of Duration time from 1s~15s, effective as starting the Timer function.

Volume: Setting of fogging volume from 10%~100%, effective as starting the Timer function.

Master: When connecting all Foggers by DMX, set this unit to ON as the Master giving order. They are all controlled by the Timer, Hold, and Manual in the display. Any other DMX controller is excluded at this moment, nor does other Master set to ON. Channel becomes the single one, DMX address all set to 001.

Channel: Switching DMX as one or three channels. Only "Volume" function if with single channel (refer to figure 2).

UP: Button for increasing numerical value

DOWN: Button for decreasing numerical value

TIMER: Puffing timely according to the adjusted volume, duration, interval on the display. This function can be executed forcedly under any circumstances.

HOLD: Under any status, being pressed the button, it fogs the set volume continuously. Pressed again the button, it recovers the original status. This function can be executed forcedly under any circumstances.

MANUAL: Function can be executed forcedly under any circumstances. Pressed the button, it fogs maximum volume. Released pressing, the original status gets recovered at once.

Caution: Before removing or replacing the remote control unit disconnect the power cord.

Note: The average working temperature for fog machine must be under 250 degree (centigrade).

Appendix-A DC-3S

LCD Display Remote Control Operation

DC-3S is a metal LCD Display controller of Timing and Volume Control, simultaneously capacitating for DMX 512 setting function. It simply controls fogging output, puffing interval and duration. Master/Slave control of various units is functional. Cable length is 10m with 5 pin XLR connector.



- Keep case closed while operating. Put fog machine in drafty place, do not insert objects into air vents. Allow 20cm space or above around the machine for proper ventilation.
- Keep fog machine away from flames and flammable items. Never aim the nozzle at open flames or sparks. Use only high quality water-based fog fluid. Never put flammable substances into the tank.
- Machine must cool down before cleaning, servicing or storing.
- Never put any flammable material (lipid, gas, perfume etc.) into the tank, read the user manual thoroughly before operation.
- Better use our high quality water-based fog fluid, random use with other fog fluid may jam the pipe, or even erode the components inside.
- Keep sufficient fog fluid in tank. Operating the unit without sufficient fog fluid, the pump will stop working.
- If any abnormal running occurs, stop it immediately, empty the fluid, and bring the done up unit (recommend original box) to your agent or dealer for servicing. Make sure all fluid is empty from the tank before moving or shipping.
- Never drink fog fluid. If fluid contacts eyes or skin, rinse skin thoroughly with water.
- Read user manual instructions thoroughly before operating. Follow the instruction. Never remove warning or informative labels from the unit.



Caution!

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer's warranty. In the unlikely event your unit may require service please contact your local dealer.

Please note:

Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

Important

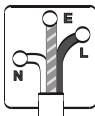
The wires in this main lead are coloured in accordance with the following code.

Green and Yellow - Earthed (E)

Blue - Neutral (N)

Brown - Live (L)

Warning: This appliance must be earthed.



Troubleshooting

This troubleshooting guide is meant to help solve simple problems.

If a problem occurs, carry out the steps below in sequence until a solution is found. If the problem persists, refer servicing to a qualified technician.

Power Connected but No Fog Is Emitted

1. Check the power supply. Plug the unit into grounded electric power supply socket with proper voltage.
2. Check your controller connection.
3. Check your DMX address setting.
4. Disconnect fog machine from electric power supply. Replace fuse with one of the same type.

Note Other Important Detail:

Plugging FM-GT1800 in, the red LED under tank bottom will glow indicating power on & warming up. Check if with correct voltage in case it doesn't glow. A lit blue LED under tank bottom appears as warm-up arrives at fogging point, indicating a finished heating time. Besides, FM-GT1800 devise the low fluid sensor. LED under tank bottom will automatically flash to warn low fluid supply, no matter under warming-up (a lit red LED) or heating has finished (a lit blue LED), provided fluid reduces to low level. The pump stops simultaneously. Keep an eye on to ensure enough fog fluid when running.

Should there be any low fog emitted, running noisily or hindered fogging, pull out the plug immediately. Check if string enough fog fluid, or if outside fuse, controller connection and power supply improper, if not, plug-in again, still persists abnormal running, check if with an unhindered pipe, with flowing fluid. If causation is unclear, stop running to avoid any damage, shut down to cool it, and bring unit to your local agent or appointed service place for inspection prohibit any dismantlement by yourself.

Figure 1 FM-GT1800 Functions



- A. Handle
- B. Fog Fluid Tank
- C. Power Switch
- D. NFB
- E. Electric Power Cord
- F. DMX 5 pin XLR Input
- G. DMX 5 pin XLR Output
- H. DMX 3 pin XLR Input
- I. DMX 3 pin XLR Output

User Manual

Thank you for selecting our GUSTO fogs series, you already own the high-tech, professional DMX Fogs! Better read the manual thoroughly before operation, follow instruction will help you have a smooth handling with GUSTO series to achieve the most satisfactory fog effect, it will also assist unit to further prolong life time as a whole.

Getting Ready

All products are thoroughly tested at the factory and shipped in perfect condition. If damage has occurred during shipping, or if components are missing, please contact your local dealer immediately.

Your package should include:

1. One Gusto Fog Machine with bracket
2. One DC-3S LCD display controller (built-in)
3. One product user manual



Master/Slave Control Operation

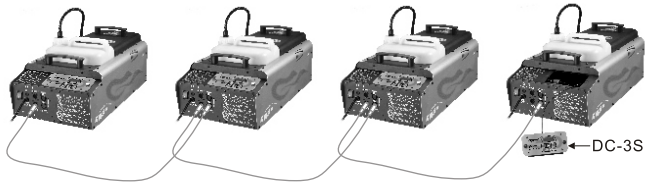
When using DC-3S for master/slave operation, please follow below steps:

1. Master fogger: press FUNCTION on the display to select "Master" and set it ON, at this moment the fogger becomes the MASTER to control all the other connected foggers with the TIMER, HOLD and MANUAL buttons on the display;
2. The other connected foggers: make sure their "Master" function is OFF, and then press FUNCTION on the display to select "DMX address" and set them at the same DMX address "1" with the UP or DOWN button, and finally select "Channel" under FUNCTION and switch to DMX one channel mode. Please make sure there is no other DMX controller in connection, and unplug it immediately if there is any;
3. Your foggers are now ready and you can run master/slave function with the DC-3S.

Please make sure that there is only one master in connection ("Master" function of the other connected foggers must be OFF).

MASTER/SLAVE Control Operation

Please use DC-3C for master/slave operation. Please put the GT-1800 on a dry and flat surface, and then set the master fog machine in accordance manual instructions. To connect another fog machine, plug one end of a signal cable into the output socket (E of figure 1) on the back of the master fogger and plug the other end of the signal cable to the input socket on the back of a second GT-1800. Follow this procedure to link more fog machines.



Set Up

1. Open the shipping carton and carefully remove the unit from the shipping carton.
2. Be sure to remove packing material from around the fog machine, especially near the nozzle.
3. Set the fog machine on a dry, flat surface.
4. Place the feeder tube with filter deep inside the full fog fluid tank (B of figure 1). Use only high quality, water-based fog fluid.
5. Firmly attach the remote control mechanism to socket inside the unit.
6. Plug mains power cord from the fog machine into appropriate power supply socket. Wait a few minutes for heating element to heat up. Make DMX setting by DC-3S.
7. Refer to your controller manual for operation details. (Appendix-A)
8. If fog is emitted continuously for a long time, the heating element temperature may drop, shutting off fog production. If so, please do not activate for emission. Wait briefly. When the heating element temperature rises, fog emissions can be resumed.

DMX Control Operation

- When using outer DMX Controller to control GT-1800, please use DC-3S to set the unit to the desired DMX 512 address. Refer to DMX channel chart in figure 2.
 1. Connect the DMX 512 controller cable to the input socket (F or H of figure 1) of the fog machine unit. Make sure the signal cable polarity is correct. Plug mains power cord from the fog machine into appropriate power supply socket. GT-1800 is now ready for operation with with outer DMX controller.
 2. If desired, connect another fog machine: Plug one end of another signal cable in to the output socket (G or I of figure 1) on the back of the first GT-1800; plug the other end of the signal cable to the input socket on the back of a second GT-1800. Follow the same procedure to link more the same procedure to link more fog machine, if desired.
 3. The fog ON/OFF, volume and interval are controlled by DMX console after connecting. Apply the same system, you can easily connect it to fog machine, lighting and other effect enginery for systematic performance.

DMX Control Operation

- Use DC-3S to control GT-1800 directly. Refer to DMX channel chart in Figure 2:
 1. Firmly attach the remote control mechanism to socket inside the unit.
 2. Plug mains power cord from the fog machine into appropriate power supply socket. Wait few minutes (warm up time for GT-1800 is about 5 minutes for heating element to heat up. Make DMX setting by DC-3S.
 3. Refer to your controller manual for operation details. (Appendix-A)

Figure 2

CH1: VOLUME 0~4: Stop 5~255: Fog volume from small to big, range is 10%~100%
CH2: INTERVAL (single channel mode without this channel) 0~255: Interval time is 10~250 seconds
CH3: DURATION (single channel mode without this channel) 0~255: Duration of fog emission is 1~15 seconds

- As the high power, big watt fog machine, better put GT-1800 on steady place. If do tilt it for special need, please fasten it thoroughly with incline angle within 15 degree.