

BF-40

Bubble & Haze Machine

User manual

- A revolutionary professional and durable machine that is capable of introducing enormous quantities of bubbles into the atmosphere
- It is also equipped with 3 fans at bottom that offer a variable speed and angle control which allows for greater flexibility in the bubble projection
- The excess bubble fluid will flow back to waste fluid tank through pipe instead of dropping on the ground.
- This effects unit can produce either bubble or fog, Or both bubble and fog depending on your requirements.
- Adjusted fan to adjust output angle
- Supplied with on board LCD control and wireless remote
- Removable tank for easy maintenance
- Intelligent microcomputer keeps the temperature high
- Continues Bubble & Haze output
- Robust metal housing
- making it suitable for a wide variety of applications such as nightclubs, laser shows, mobile DJs ,wedding partyies and theatres.
- Dimension : 350*390*400
- Approval: CE,ROHS

TECHNICAL SPECIFICATION

Voltage: AC230V/50Hz/5A

Power: 1000W

Preheating time: 4min

Bubble fluid: 5.0L

Fog fluid: 3.0L

Fluid consumption :12.5ml/min(fog fluid) ;50ml/min (bubble fluid)

Control way: DMX-512, LCD display, 433M wireless remote optional

DMX channel 2

DMX channel description Output volume & bubble volume

N.W :18.5KGS

PACKAGE CONTENTS

Please check the contents to ensure that the product has been received in good condition.

- 1) 1 X BF-40 Bubble & Haze machine
- 2) 1 X Power cord
- 3) 1X Wireless remote
- 3) 1 X User Manual

If you find any accessory is missing or the machine has arrived with any problems, please contact your local dealer at once . Do not try to fix this item yourself or you will lose the warranty. Please keep the original package and invoice for any possible replacement or return demand .


SAFETY INSTRUCTION

Please read the following notes carefully because they include important safety information about the installation, usage, and maintenance of this product.

1. Always plug in the power plug last and disconnect from the mains when the device is not in use or before cleaning .
2. Do not install and operate the device in rain or extreme heat, moisture or dusty environments.
3. This device is for indoor use only and in a dry environment .
4. Do not switch on immediately but wait until it reaches to room temperature if the device has been exposed to drastic temperature fluctuations.
5. Do not shake the device and avoid brute force when installing or operating .
6. Do not use the device during thunderstorms and please disconnect the power.
7. Do not use solvents or aggressive detergent to clean the device .Use a soft and clean cloth.
8. Do not modify the device or the connected power cord without authorisation
9. In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
10. Never connect the device to a dimmer pack.
11. Make sure the power cord is never crimped or damaged.
12. Never disconnect the power cord by pulling or tugging on the cord. Avoid direct eye exposure to the light source while it is on.

CONNECT WITH POWER SUPPLY – THE GROUND WIRE MUST BE CONNECTED

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

Wire	Connection	International signal
Brown	Live	L
Blue	Neutral	N
Yellow/Cyan	Earth	

Mounting

Orientation

This fixture should only be mounted/used on a flat surface. This fixture may not be tilted.

Rigging

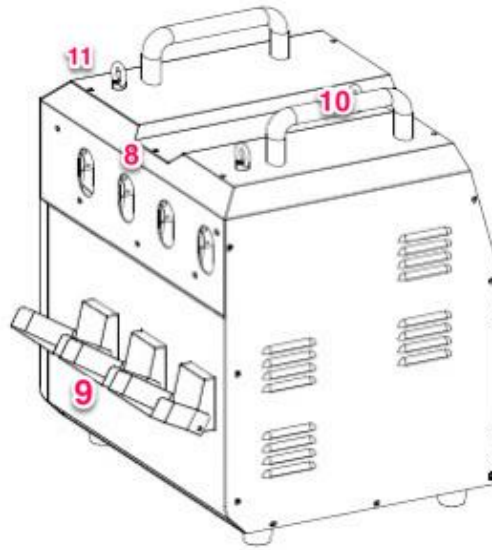
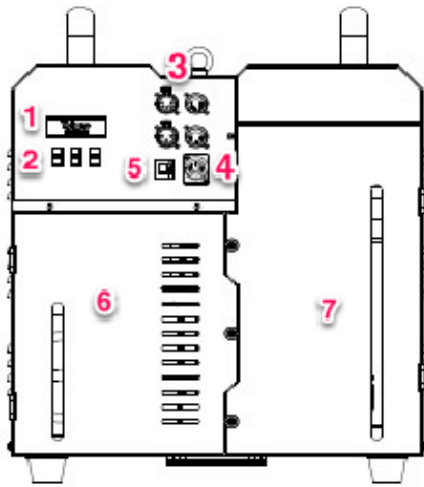
It is important never to obstruct the vents' pathways. Mount the fixture using, a suitable "C" or "O" type clamp.

When selecting installation location, take into consideration the fluid reservoir access and routine maintenance.

Safety cables must always be used, utilizing the provided safety eye bolt.

Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.

LAYOUT BF-40



- ①、 LCD display
- ②、 Control pannel
- ③、 DMX-512 3pin in/out
- ④、 Power supply& on/off
- ⑤、 Breaker
- ⑥、 Haze fluid tank
- ⑦、 Bubble fluid tank
- ⑧、 Bubble & haze output
- ⑨、 Fan & Air deflector
- ⑩、 Handle
- ⑪、 Safety hook

OPERATION

Control Panel Operation

Control Panel Description

Button	Function
FUNCTION	Enters the programming mode
VOLUME	Controls the pump to modify the output volume
TIMER	Starts the timer controlled operation
MANUAL	Allows momentary bubble output for as long as the button is held down
UP	Navigates upward through the menu list or increases the numeric value when in a function
DOWN	Navigates downward through the menu list or decreases the numeric value when in a function

Control Options

You can set the BF-40 starting address in the 001–512 DMX range. This enables control of up to 512 products in the 1-channel personality.

Programming

Refer to the **Menu Map** to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

Preparing for Operation

To prepare the BF-40 for operation, perform the following steps.

1. Withdraw the fluid/bubble tank from its compartment and remove its cap.
2. Verify that the plastic hoses attached to the cap are in place and in good condition.

3. Pour high-standards fluids into the tank and replace the cap.
4. Return the tank back to its compartment in the BF-40.
5. Make sure the plastic hose entering the BF-40 from the fluid tank cap is not bent or kinked.
6. Connect the BF-40 to power and **Warming Up** shows on the display during the heating-up process. After approx. 3 minutes, the display changes to **READY** when the machine is ready to output fog.

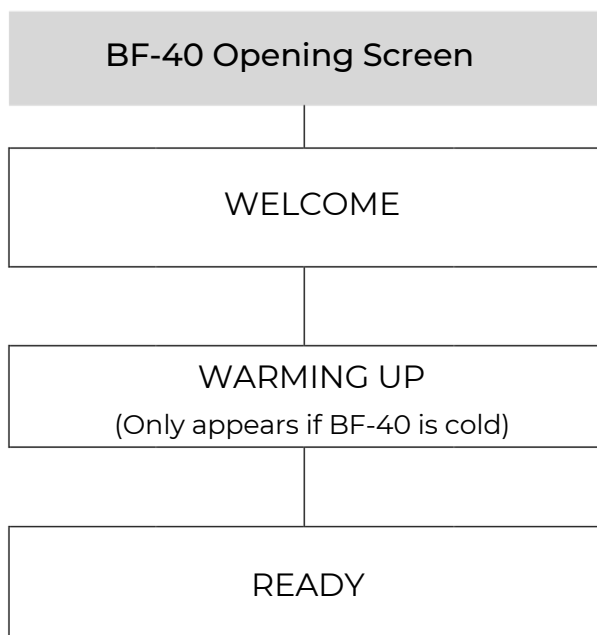
In any of the operation modes, the display must show **READY** to output fog/bubble.

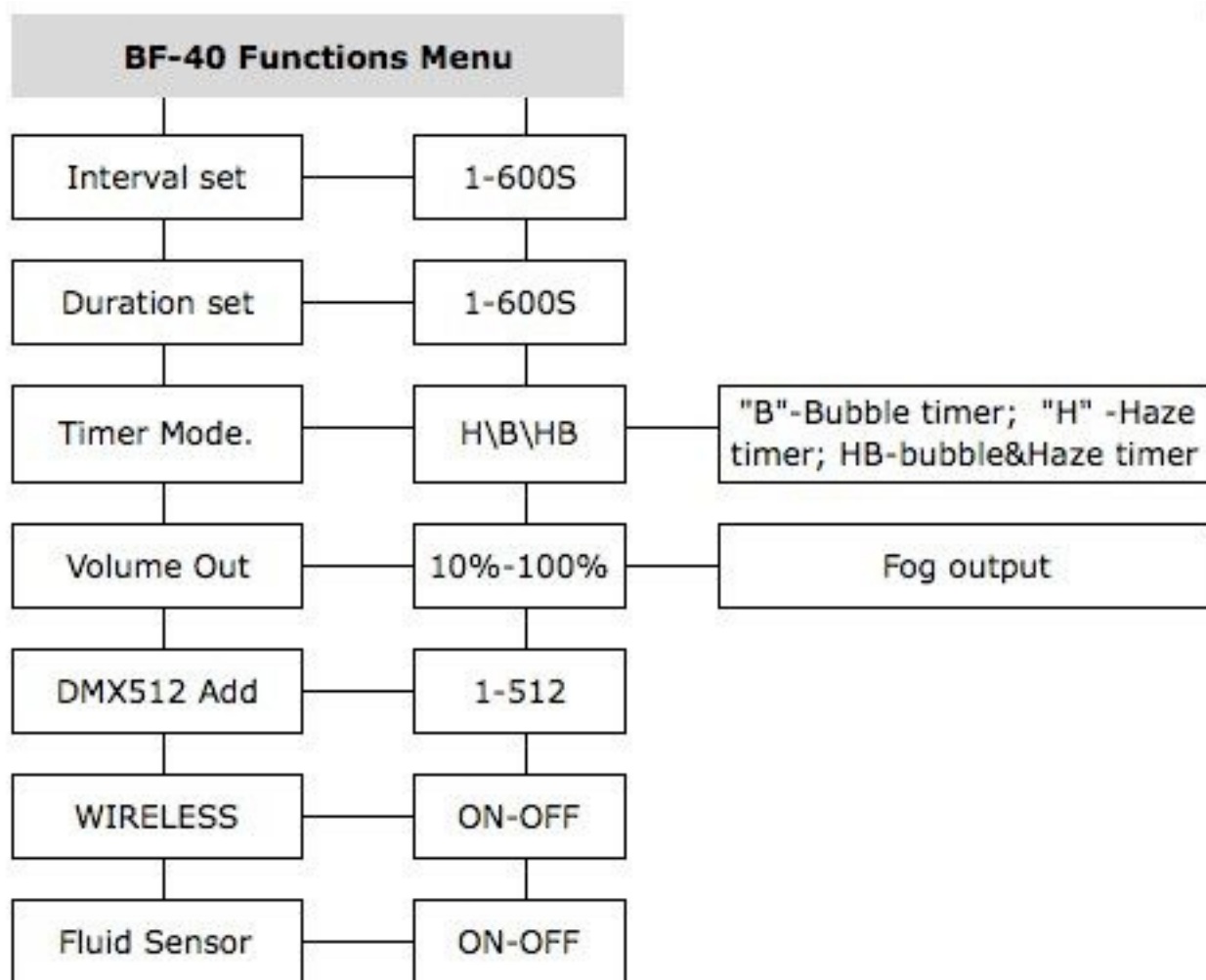
Startup

The BF-40 has an On/Off switch. Make sure that the switch is in the OFF position before plugging the BF-40 into power. To start up the BF-40, do the following:

1. Prepare for operation, as described in **Preparing for Operation**.
 2. Press **<VOLUME>**.
 3. Adjust haze output volume by using **<UP>** or **<DOWN>**. Bubble output is fixed on 100% output.
- Repeat the startup procedure after transporting the BF-40 or after refilling with fluid

Menu Map





Configuration

To set the product in DMX mode to control with a DMX controller

1. Connect the BF-40 to power and turn power switch to ON. **WARMING UP** shows on the display during the heating-up process. After approx. 3 minutes, the display changes to **READY** when the machine is ready to output.
2. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

Starting Address

The BF-40 uses up to 1 DMX channel in its DMX mode, which defines the highest configurable address to 512. To select the starting address, do the following:

1. Press <FUNCTION> repeatedly until **DMX512 Add.** shows on the display.
2. Use <UP> or <DOWN> to select the starting address 1-512.

Make sure that the starting addresses on the various products do not overlap due to the personality setting.

Setting the Output Volume

To adjust the volume of the haze output, do the following:

1. Press <FUNCTION> repeatedly until **Volume Out** shows on the display.
2. Use <UP> or <DOWN> to select the desired percent output volume (10–100%) or **Nonstop burst**.
3. Press <VOLUME> to initiate this output.
4. Press <VOLUME> again to trigger the haze output with this output volume setting.

After turning off the BF-40, this output volume setting will remain in its memory. To change the output volume for subsequent operation of the BF-40, simply repeat the steps above.

Timer Mode

When in Timer mode, the BF-40 will produce fog in pre-configured time intervals defined by the **Interval Set** and **Duration Set** menu options. In addition, the output volume during Timer mode is set by the **Timer Out** menu option. See the **Timer Mode Parameters** section for details about how to configure these parameters.

To operate in Timer mode, do the following:

1. Press <TIMER> and the display will show H/B/HB. "B" for Bubble timer; "H" for Haze timer and HB for bubble&Haze timer. Chose one of them and it will show a countdown of the interval timer
2. When the counter reaches zero (0), the BF-40 will start to work
3. The output duration during Timer mode is set by the Duration Set menu option.
4. The output volume during Timer mode is set by the Timer Out menu option.
5. This cycle will repeat itself until you press <TIMER> again or until the BF-40 runs out of fluid.

Manual Mode

In the Manual mode, the BF-40 will output bubble for as long as <MANUAL> remains pressed. The output volume is preset at 100% full output. To operate in Manual mode, do the following:

- Press <MANUAL>. This mode will continue until you release <MANUAL> or until the BF-40 runs out of fluid.

Timer Mode Parameters

These parameters determine the intervals and output volume for the BF-40 while in Timer mode.

To configure these parameters do the following.

1. Press <FUNCTION> repeatedly until **Interval Set** shows on the display.
2. Use <UP> or <DOWN> to select the time in seconds (1–600s) between output.
3. Press <FUNCTION> repeatedly until **Duration Set** shows on the display.
4. Use <UP> or <DOWN> to select the time in seconds (1–600s) for the duration of the output.
5. Press <FUNCTION> repeatedly until **Timer Out** shows on the display.

6. Use <UP> or <DOWN> to set the haze output volume (10–100%) or **Nonstop burst**.

QUICK TROUBLE SHOOTING

If the unit is not functioning properly:

Symptom	Solution(s)
No Power	Check mains power. Check external fuse.
No fog&bubble output	Check fluid level. Check remote.
Remote does not work	Make sure connector is firmly connected to device. Try using another controller. Possible bad controller.

Fuse Replacement

Unplug the IEC power cable before replacing the fuse! Always replace with same type of fuse.

1. Using a flat head screwdriver, remove the fuse holder from the IEC housing.
2. Remove the bad fuse from the fuse holder.
3. Insert the new fuse into the fuse holder.
4. Install the fuse holder in the IEC housing.

GENERAL MAINTENANCE

To maintain optimum performance and minimize wear, the item should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned after use to avoid dust build-up and blockages, which can result in poor performances, overheating and breakages. Be sure to power off fixture before conducting maintenance. we recommends after every 40 hours of continuous operation, run a cleaning solution composed of 80% distilled water and 20% distilled vinegar through the system to prevent the accumulation of particulate matter in the heating element.

The recommended cleaning regimen is:

1. Empty all fog liquid from the machine. Add cleaning solution to tank. Plug unit in and begin warm up.
2. Run the unit in a well-ventilated area until the tank is almost empty. Do not allow the pump to run dry.
3. Cleaning is now complete. Refill with fog liquid. Run the machine briefly to clear any cleaning solution from the pump and heater.
4. Do not operate the machine without liquid at any time.

Clean the external case when the fixture is cold with a dry cloth or tissue, and drag dirt and grime to the outside case.

DISPOSAL

Please disposal of the unserviceable device according to the current statutory requirements.





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