

 **VENUS**
EB5
EVOLUTION BUBBLE MACHINE

BEFORE YOU BEGIN	1
1.1 WHAT IS INCLUDED.....	1
1.2 UNPACKING INSTRUCTIONS.....	1
1.3 SYMBOLS.....	1
1.4 DISCLAIMER	1
1.5 SAFETY NOTES	1
1.5.1 PERSONAL SAFETY	1
1.5.2 MOUNTING AND RIGGING	1
1.5.3 POWER AND WIRING	2
1.5.4 OPERATION.....	2
2 INTRODUCTION.....	2
2.1 DESCRIPTION.....	2
2.2 FEATURES	2
2.3 PRODUCT OVERVIEW	3
3 TECHNICAL SPECIFICATIONS	3
4 SETUP.....	4
4.1 AC POWER	4
4.2 AC PLUG	4
4.3 DMX LINKING	4
4.4 MOUNTING.....	4
4.4.1 ORIENTATION	4
4.4.2 RIGGING	4
5 OPERATION.....	5
5.1 PREPARING FOR OPERATION	5
5.2 ON-DEVICE CONTROL PANEL.....	5
5.3 ON-DEVICE CONTROL MODE & OPERATION	6
5.3.1 PROGRAMMING.....	6
5.3.2 MENU MAP	6
5.4 WIRELESS REMOTE-CONTROL MODE & OPERATION	7
5.4.1 WIRELESS OPERATION	7
5.4.2 WIRELESS PAIRING	8
5.5 DMX MODE & OPERATION.....	8
5.5.1 STARTING ADDRESS	8
5.5.2 DMX MODE MENU MAP.....	9
5.5.3 DMX CHANNEL ASSIGNMENTS AND VALUE	9
5.6 MAINTENANCE	9
5.7 STORAGE	9
5.7.1 MACHINE STORAGE	9
6 WARRANTY.....	9

BEFORE YOU BEGIN

1.1 What Is Included




- FBM-VENUS-EB5 Venus Evolution Bubble Machine
- Power Cord
- W-4 Remote Wireless Controller with A27 battery
- User Manual

1.2 Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier or dealer/seller immediately. In addition, keep the box and contents for inspection.

1.3 Symbols

Symbol	Meaning
	Caution Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important Important installation or configuration information. Failure to comply with this information may keep the product from working correctly.
	Information Useful information.

1.4 Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. Froggys Fog assumes no responsibility or liability for any errors or omissions and reserves the right to revise or to create this manual at any time.

Copyright © 2025 Froggys Fog. All rights reserved.

1.5 Safety Notes

Please read the following safety notes carefully before working with the product. The notes include important safety information about installation, usage, and maintenance.

1.5.1 Personal Safety

- Bubble Accumulation on walking surfaces can pose a slip hazard. Exercise caution and avoid walking contact when possible.
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Make sure that children, unauthorised persons and animals do not obtain access to the machine.
- Never drink bubble liquid. If it is ingested, call a doctor immediately for any discomfort. If liquid comes in contact with skin or eyes, rinse thoroughly with water.

1.5.2 Mounting and Rigging

- To prevent risk of fire or shock, do not expose the product to rain or moisture.

- CAUTION: When transferring product from extreme temperature environments, (e.g. cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
- Do not mount the product on a flammable surface (linoleum, carpet, wood, paper, carton, plastic, etc.).
- Do not use in a confined space. Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that ventilation slots on the product's housing are never blocked.

1.5.3 Power and Wiring

- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- Make sure the power cord is not crimped or damaged.
- Never connect this product to a dimmer pack or rheostat.
- Never disconnect the product from power cord by pulling or tugging on the cord.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it

1.5.4 Operation

- Do not operate this product if you see damage to the housing or cables. Have the damaged parts replaced by an authorized technician at before resuming operation.
- Do not cover or plug the output nozzle during operation.
- Never carry the product by the power cord or any moving part. Always use the handles.
- Drain the tank before transporting the product.
- The maximum ambient air temperature is 104 °F (40 °C). Do not operate the product at higher temperatures.
- Always disconnect the product from the power source before cleaning.
- This product contains no user-serviceable parts. Any reference to servicing in this user manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs which can lead to damage or malfunction.
- In the event of a serious operating problem, stop using the product immediately.
- Using only Froggys Fog approved fluids will ensure optimal performance and longevity.
- Only specifically designed water based scent additives may be added to the bubble fluid. Never add flammable liquids of any kind (oil, gas, non-application specific perfumes). Pay attention to all warning labels and instructions printed on the exterior of your machine.



Keep this User Manual for future use.

2 INTRODUCTION

2.1 Description

The Venus EB5 Evolution Bubble Machine is a revolutionary professional and durable machine that can introduce enormous quantities of bubbles into the atmosphere. It is also equipped with 2 fans at bottom that offer a variable speed and angle control which allows for greater flexibility in the bubble projection. The excess bubble fluid flows back to the waste fluid tank through pipe instead of dropping on the ground.

2.2 Features

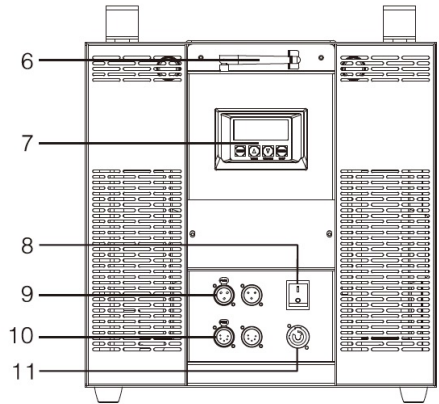
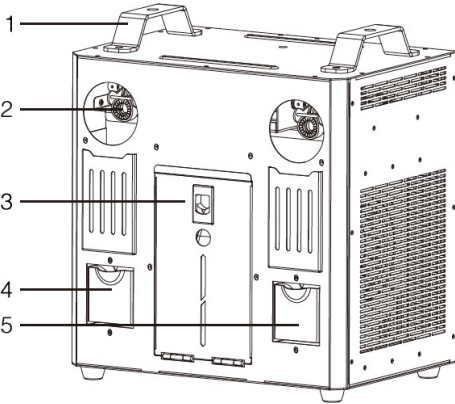
- L Nozzle-pipe delivery system which protects each bubble from the disturbance of the machine parts and each other to reduce bubble failure rate.
- Dual nozzles generate enormous quantities of bubbles.
- Enclosed fluid tank stores and keeps fluid protected against the environmental elements for long time to ensure the quality of bubble projection.
- Enclosed fluid tank allows machine's transportation with fluid in.
- The 3L fluid tank supports over 2 hours of continuous bubble output.

- Two high power speed adjustable fans and with adjustable outlets.
- Unique design collects excess bubble fluid by flowing back into the tank for reuse.
- Locking power plug
- Built-in backlit LCD control with timer settings, 3pin and 5pin DMX control

2.3 Product Overview

Diagram

1. Handle/Mount
2. Nozzle
3. Fluid Tank
4. Adjustable Fan Deflector
5. Adjustable Fan Deflector
6. Wireless Antenna
7. LCD control panel



8. Power Switch
9. 3-pin DMX
10. 5-pin DMX
11. Power In

3 TECHNICAL SPECIFICATIONS

AC Power	Input Voltage & Rate	100-120 V, 50/60 Hz
	Current Limiter Type	Internal Fuse
	Current Limiter Specifications	5 A, 250 V
	Total Power Consumption	200 W
Capacity	Bubble Fluid Tank Capacity	0.8 Gal
Output	Adjustable Fan Speed	√
	Fan Adjustment Level/Range	1-10
	Bubble Fluid Consumption	16.0 mL/min
	Continuous Output	√
	Fully-loaded Output Duration	~224 min

	Bubble Height at Full Fan Speed	15 ft
	Bubble Distance at Full Fan Speed	26 ft
Control	On-device Manual Control	LCD control board
	Wireless Control	W-4 / RF 433MHz / Built-in
	Wireless Distance	40 ft
	Wired Control	DMX
	Control Protocol	DMX-512
	DMX Channel Range	1
	Data Connectors	3- and 5-pin XLR
Weight & Dimensions	Net Weight	38.58 lbs
	Gross Weight	43 lbs
	Machine Dimensions	15.3 / 10.7 / 16.9 in
	Packing Dimensions	19.7 / 15.2 / 19.7 in

4 SETUP

4.1 AC Power



Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.



Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

4.2 AC Plug

The FBM-VENUS-EB5 comes terminated with a lockable power connector on one end. It is designed to be safely connected and disconnected under live load.

4.3 DMX Linking

You can link the FBM-VENUS-EB5 to a DMX controller using a 3- or 5-pin DMX connection. If using other DMX-compatible products with this machine, you can control each individually with a single DMX controller. Instructions for connecting and configuring this product for DMX operation are described further below.

4.4 Mounting

4.4.1 Orientation

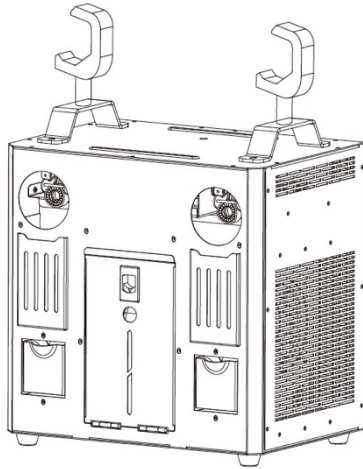
This machine must be operated in an upright position. Ensure there is adequate room for ventilation, configuration, and maintenance.

4.4.2 Rigging

FROGGYS FOG recommends using the following general guidelines when mounting this product.

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure or surface onto which you are mounting the product can support the product's weight (see the Technical Specifications)
- Always use safety cables in conjunction with the mounting trust clamps.
- When installing the product on the floor, make sure that the product and cables do not pose a tripping hazard.

Hanging Diagram



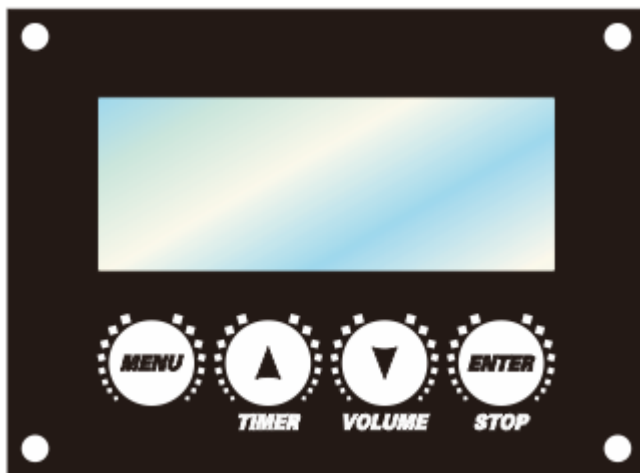
5 OPERATION

5.1 Preparing for Operation

- After checking that all the parts are intact and complete, position the machine on flat and level surface.
- Fill the bubble fluid tank with the power off to mitigate electrical risk.
- Always connect the product to a grounded circuit. Before powering on, make sure the unit is connected with the rated voltage.
- Turn on the machine power switch to start the quick priming sequence.

5.2 On-device Control Panel

To access the control panel functions, use the four buttons located underneath the LCD display.



Button	Function
MENU	Switch menu pages to select a function
▲/ <TIMER>	▲ Increases the numeric value of current function TIMER starts the timer-controlled operation
▼/ <VOLUME>	▼ Decreases the numeric value of current function VOLUME triggers the machine to immediate produce bubbles
ENTER / STOP	Enter enables the currently displayed menu or sets the currently selected value into the selected function STOP turns the bubble output off

5.3 On-device Control Mode & Operation

5.3.1 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.
- To go to the desired main level, press <MENU> repeatedly until the option shows on the display. This will take you to the first programming level for that option.
- To select an option or value within the current programming level, press ▲/ <TIMER> or ▼/ <VOLUME> until the option shows on the display.
- Press <MENU> repeatedly to switch menu pages.
- Press <STOP> to go back to Standby Page.

5.3.2 Menu Map

	Display	Description	Parameter Range
Starting Pages	Venus Evolution Version XX		

	Display	Description	Parameter Range
	Venus Evolution AC-120V 60Hz		
	WirelessPairing >>>>>>>>>>	Press any button of the wireless remote before the progress bar reaches the end. The pairing is done when the screen blinks once.	
Standby Page	Ready To Bubble Venus Evolution	Ready to work.	
Working Status Pages	Interval X Fan Speed X	Interval countdown of TIMER mode	
	Duration X Fan Speed X	Duration countdown of TIMER mode	
	OutputActivated Fan Speed X	Manual Volume Activation Press ▲ or ▼ to set fan speed	Fan Speed 1-10
Menu Pages	Timer Interval 600s	Press ▲ or ▼ to set timer interval of TIMER mode	5-600s
	Timer Duration 300s	Press ▲ or ▼ to set timer duration of TIMER mode	5-300s
	Fan Speed X	Press ▲ or ▼ to set fan speed output of TIMER mode	Fan Speed 1-10
	DMX Address 512	Press ▲ or ▼ to select DMX starting address	1-512
	Wireless ON	Press ▲ or ▼ to turn on/off wireless control function	ON/OFF

5.4 Wireless Remote-Control Mode & Operation

5.4.1 Wireless Operation

This mode will allow you to control the machine ON and OFF with RF wireless controller W-4 (Battery A27).

5.5.2 DMX Mode Menu Map

When connected with DMX controller and receiving a DMX signal, the display will always show current DMX starting address. You may adjust the starting channel anytime by pressing ▲ and ▼.

DMX Address 512

5.5.3 DMX Channel Assignments and Value

Channel	Function	Value	Description
1	Fan Speed	0 -10	No Function
		11 - 255	1-100%

5.6 Maintenance

After every 40 hours of continuous operation, use hot tap water through the bubble fluid to reduce the accumulation of surfactant residue in the pump and wand mechanism.

The recommended cleaning procedure is as follows.

- 1) Unplug the product from power.
- 2) Empty all bubble fluid from the tank.
- 3) Add hot tap water to the bubble fluid tank.
- 4) Connect the product to power and activate the main power switch.
- 5) Run the machine in volume mode for 10-15 minutes in an outdoor area. Do not allow the pump to run dry.
- 6) After operation, drain the water from the bubble fluid reservoir, shut off the machine power and unplug the power cable.
- 7) Remove dust from air vents with an air compressor, vacuum or soft brush. The casing and wand mechanism should be cleaned with the damp cloth.

5.7 Storage

5.7.1 Machine Storage

Before storing the machine long term, clean it as described in the cleaning procedure above.

6 WARRANTY

Save these instructions. 2 Year Limited Warranty: Valid from the date of purchase. Warranty covers manufacturing defects only and does not cover misuse or abuse of the machine. Serial number, place of purchase with dated valid receipt must be submitted at time of service. Warranty is only valid with-in the United States. Buyer may be responsible for shipping fees associated with repairs.