

Froggy's Fog

302 Rutherford Lane

Columbia, TN 38401

615.469.4906

[sales@froggyfogs.com](mailto:sales@froggyfogs.com)

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# 1 BEFORE YOU BEGIN




## 1.1 What Is Included

Machine  
Power Cord  
Hanging Bracket  
Wireless Transmitter

## 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
	<b>Caution</b> 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.
	<b>Important</b> Important installation or configuration information. Failure to comply with this information may keep the product from working correctly.
	<b>Information</b> 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.

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## 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

- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- During heating up and operation, the housing will be scalding hot. Do not touch.
- **The product is very hot during operation and it remains hot for a long time after operation has stopped. Do not touch the products nozzle.**
- Make sure that children, unauthorised people and animals do not obtain access to the machine.

### 1.5.2 Mounting and Rigging

- The product is for indoor use only! 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.
- When hanging this product, always secure to a fastening device using a safety cable.
- Be sure that no ventilation slots on the product's housing are blocked or clogged by dust. If necessary, remove the dust.

### 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 once.
- Do not use the product as a space heater.
- Make sure there are no flammable materials close to this product while it is operating.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- **Do not cover the ventilation slots when operating to avoid internal overheating.**
- **Do not cover or plug the output nozzle during operation.**
- Wipe up spitted fluid immediately. Moisture – also fluid – can destroy the electric.
- You may hear a loud popping sound during operation. This is normal.
- Never carry the product by the power cord or any moving part. Always use the handles of the machine.
- **Drain the tank before transporting the product.**
- Always disconnect the product from the power source before cleaning.
- In the event of a serious operating problem, stop using the product immediately.
- 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.



Keep this User Manual for future use. If you sell the product, be sure that the purchaser receives this document.

## 2 INTRODUCTION

### 2.1 Description

The Titan 1500 PRO features an Over-sized Heater Core to increase run times, Quick Ready Fog Technology (QRFT) has you ready to fog in less than 10 seconds after full cycle and it is ready to fog, and Advanced Low Fluid Sensing shuts down the machine when you run out of fluid to protect the heater core. The 1500 PRO also boasts a whopping 1600W heater core to produce over 30,000 CFM. Instant Stop Technology (IST) pulls fluid out of core to reduce spitting and give precise fog output.

## 2.2 Features

- 1600W Fog Machine
- Quick Ready Fog Technology (QRFT) - Less than 10 seconds after full cycle and it is ready to fog
- Instant Stop Technology (IST)
- Pulls fluid out of core to reduce spitting and give precise fog output
- IP65 Power Connection and Button
- Touch Screen LCD
- Built-in Wireless Control
- Durable 5 Liter Fluid Tank with Aluminum Cap
- 2 Year Warranty

## 3 TECHNICAL SPECIFICATIONS

<b>AC Power</b>	<b>Input Voltage &amp; Rate</b>	<b>120 V, 60 Hz</b>
	Current Limiter Type	Fuse 15A 250V
	Total Power Consumption	1,600 W
<b>Heating</b>	Heat Up Time	4 Minutes
<b>Capacity</b>	Fluid Tank Capacity	5L (1.3 Gal)
<b>Output</b>	Adjustable Output	Y
	Max Output Volume	30,000 CFM
	Fluid Consumption (100% Output)	120 ml/min
	Maximum Continuous Duration (100% Output)	~1 Minute
	Continuous Output	~30%
<b>Placement &amp; Mounting</b>	Horizontal	Y
	Inclined	Y
	Rigging & Trussing	Y
<b>Control</b>	On-device Manual Control	LCD control board
	Wireless Control	Y
	Wired Control	DMX
	Control Protocol	DMX512
	DMX Channel Range	1
<b>Consumable</b>	Consumable	Froggys Fog Water Based Fog Fluid
<b>Weight &amp; Dimensions</b>	Net Weight	31 lbs
	Gross Weight	36.4 lbs
	Machine Dimensions	22.7 / 12 / 11.5 in
	Packing Dimensions	27 / 14.4 / 13.6 in

## 4 SETUP

### 4.1 AC Power

The machine has a fixed voltage power supply and can work with an input voltage of AC 120 V, 60 Hz, depending on the specific model.

To determine the products power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the products back panel, or refer to the products specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



**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 TITAN 1500 PRO comes with a power input cord terminated with a Lockable Powercon IP65 connector. If you need to change the plug, use the table below to wire the new plug:

Connection	Wire (U.S.)	Wire (Europe)
AC Live	Black	Brown
AC Neutral	White	Blue
AC Ground	Green/Yellow	Green/Yellow

## 4.3 Resetting the Breaker

This product is equipped with a resettable breaker. If the breaker trips, all sections of this product will lose power.

- Remove the power cord from mains power.
- Allow unit to cool for 15 minutes.
- After 15 minutes, you may attempt to reset the breaker by pressing the button with your finger.
- Plug the product's power cord into the power outlet and continue using as recommended.

## 4.4 DMX Linking

You can link the TITAN 1500 PRO to a DMX controller using a 3- or 5-pin DMX connection. If using other DMX-compatible products with this product, you can control each individually with a single DMX controller. Instructions for connecting and configuring this product for DMX operation are in the User Manual.

## 4.5 Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

### 4.5.1 Orientation

Always mount this product in a safe position and make sure there is adequate room for ventilation, configuration, and maintenance. Please Note: the fluid bottle must be oriented in an upright position to avoid spilling fluid from the top of the container.

### 4.5.2 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).
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

# 5 OPERATION

## 5.1 Preparing for Operation

To prepare the TITAN 1500 PRO for operation, perform the following steps.

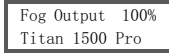
- After checking that all the parts are intact and complete, position the machine on flat.
- Withdraw the fluid tank from its compartment and remove its cap.
- Verify that the two plastic hoses attached to the cap are in place and in good condition.
- Return the tank back to its compartment in the TITAN 1500 Pro.







When press ON, the machine will run with the parameter of VOLUME mode accordingly. LCD will display the following page:



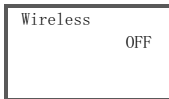
- All the machines have been paired with the controller included (with certain address code) before leaving the factory.
- When “Wireless” function is ON,



there will have a Wireless Pairing process at the start-up of the machine. New wireless remote controller(s) can be paired with machine during this process before the progress bar reaches the end.



- If no new pairing happens during the pairing process at the start-up, the previous paired remote controller(s) will be retained.
- Once there a new pairing occurs during pairing process, all the previous paired remote controller(s) in previous pairing process will be forgotten.
- During the wireless pairing process (if wireless mode is on), one machine can be paired with up to 5 RF wireless remote controllers with different address codes and controlled by all of them simultaneously.
- All the pairing of RF wireless remote controllers (up to 5 units) must be done during the same pairing process.
- Once a machine is paired with a remote with certain address code, it can be controlled by all the same type pf controller with same address code.
- One wireless remote controller can be paired and memorized by multiple machines simultaneously and control all the paired machines at the same time (if within range).
- If the machine doesn't need to be controlled by wireless, then just turn off the wireless option in the menu.



## 5.5 DMX Channels

DMX CH 1 – Fog Volume

## 5.6 Fluid Sensor

This machine uses software-based fluid sensor to detect whether there is fluid inside tube so as to protect the pump from being damaged. Turn on the “Fluid Sensor” to activate “No Fluid Protection” function.

### 5.6.1 Trigger “No-Fluid Protection”

When the Fluid Sensor is ON, the software-based “no-fluid protection” function will be activated. After the program continues to detect the machine working with no fluid inside the tube for 1 minute, the pump-shutoff will be activated with the flickering warning page showing on the screen.

### 5.6.2 Clear “No-Fluid Protection” Warning

When the machine is under the no-fluid protection, after refilling the fluid, there are three ways to clear the warning.

- Press and hold ENTER until the fluid is pumped and fill the tube.
- Under the DMX control mode, bring down channel 1 to OFF (value 0-9), then up to ON (value 10-255),
- Turn off “Fluid Sensor” in the menu.

## 6 TECHNICAL INFORMATION

### 6.1 Maintenance

Do not allow the TITAN 1500 Pro to become clogged. After every 40 hours of continuous operation, use distilled water or for a more thorough clean Froggys Fully Clean after use to prevent the accumulation of particulate matter in the heating element.

The recommended cleaning procedure is as follows.

- 1) Unplug the product from power.
- 2) Empty all fluid from the machine.
- 3) Dip fluid intake tube into 1 cup of cleaning solution/ distilled water.
- 4) Connect the product to power and allow it to warm up.
- 5) Run the product in a well-ventilated area until the cup is empty. Do not allow the pump to run dry.
- 6) Repeat until satisfied with fog output.
- 7) Refill with fog fluid to continue using the TITAN 1500 Pro. Run the machine briefly to clear any cleaning solution from the pump and heater.
- 8) Excessive dust, fluid residue and dirt will degrade performance and cause overheating. Remove dust from air vents with air compressor, vacuum or soft brush. The casing could be cleaned by the damp cloth.



**Test-run your FROGGYS FOG® TITAN 1500 Pro on a monthly basis to achieve the best performance.**

### 6.2 Storage

#### 6.2.1 Machine Storage

Before storing the machine, clean it as described in the cleaning procedure above;

## 7 WARRANTY INFORMATION

### 7.1.1

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.