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> Pwshymi Ultrasonic Humidifier Atomizer Module Instruction Manual

## Pwshymi Pwshymivhx62esw89510

# Pwshymi Ultrasonic Humidifier Atomizer Module Instruction Manual

Model: Pwshymivhx62esw89510

## 1. INTRODUCTION

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This manual provides essential information for the proper setup, operation, and maintenance of your Pwshymi Ultrasonic Humidifier Atomizer Module. Please read these instructions carefully before use to ensure optimal performance and longevity of the product. This module is designed to generate fine mist for humidification in various applications, including home and office environments.



Image 1.1: Overview of the Pwshymi Ultrasonic Humidifier Atomizer Module components.

## 2. SAFETY INFORMATION

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- Do not immerse the circuit board in water or any other liquid.
- Ensure the power supply voltage matches the module's specifications (5V).
- Keep out of reach of children and pets.
- Do not attempt to disassemble or modify the module beyond the instructions provided.
- Use only clean, distilled, or demineralized water to prevent mineral buildup and ensure optimal performance.
- Avoid touching the atomizer disc while it is operating.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package:

- 1 x Ultrasonic Atomizer Module (Circuit Board with USB port and control button)
- 1 x Atomizer Disc with Silicone Ring and connecting wires
- 1 x Cotton Stick (for water absorption)



Image 3.1: Contents of the Pwshymi Ultrasonic Humidifier Atomizer Module package.

## 4. PRODUCT FEATURES

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- **Efficient Humidification:** Utilizes fine spray particles with a 5 $\mu$ m pore diameter and 740 holes for high atomization volume, effectively humidifying the air without wetting surfaces.
- **Antioxidant Protection:** Constructed from ABS, ceramic, and silicone, with the atomizer surface treated with an antioxidant protective coating for durability.
- **High Conversion Efficiency:** Features low drive voltage, low power consumption, low impedance, and a stable waveform, ensuring high conversion efficiency.
- **Easy Integration:** Designed for easy use and installation, primarily for integration into DIY or existing home humidifiers.
- **Portable Design:** Mini size allows for easy transport and integration into compact devices.
- **Timed Shutdown:** Supports a 4-hour timed shutdown function for convenience and safety.

Steel Sheet Diameter: 16mm / 0.63in  
Outer Diameter of Silicone Ring: 20mm / 0.79in



Image 4.1: Illustration of the fine mist generated by the atomizer module.

## 5. SETUP AND INSTALLATION

1. **Prepare the Cotton Stick:** Before first use, fully immerse the cotton stick in water until it is completely saturated. This ensures proper water absorption by capillary action.
2. **Connect the Atomizer Disc:** Connect the atomizer disc's wires to the designated connector on the circuit board. Ensure the polarity is correct (red wire to positive, black wire to negative).
3. **Integrate into Water Reservoir:** Place the cotton stick into your humidifier's water reservoir, ensuring it is in constant contact with the water. The atomizer disc should be positioned so that the cotton stick feeds water directly to its center. **Important:** Do not immerse the atomizer disc directly in water. It operates by capillary action from the cotton stick.
4. **Power Connection:** Connect the circuit board to a 5V USB power source using a Micro USB cable (not included). This can be a phone charger (around 2015 models or newer), a power bank, or a computer USB port.

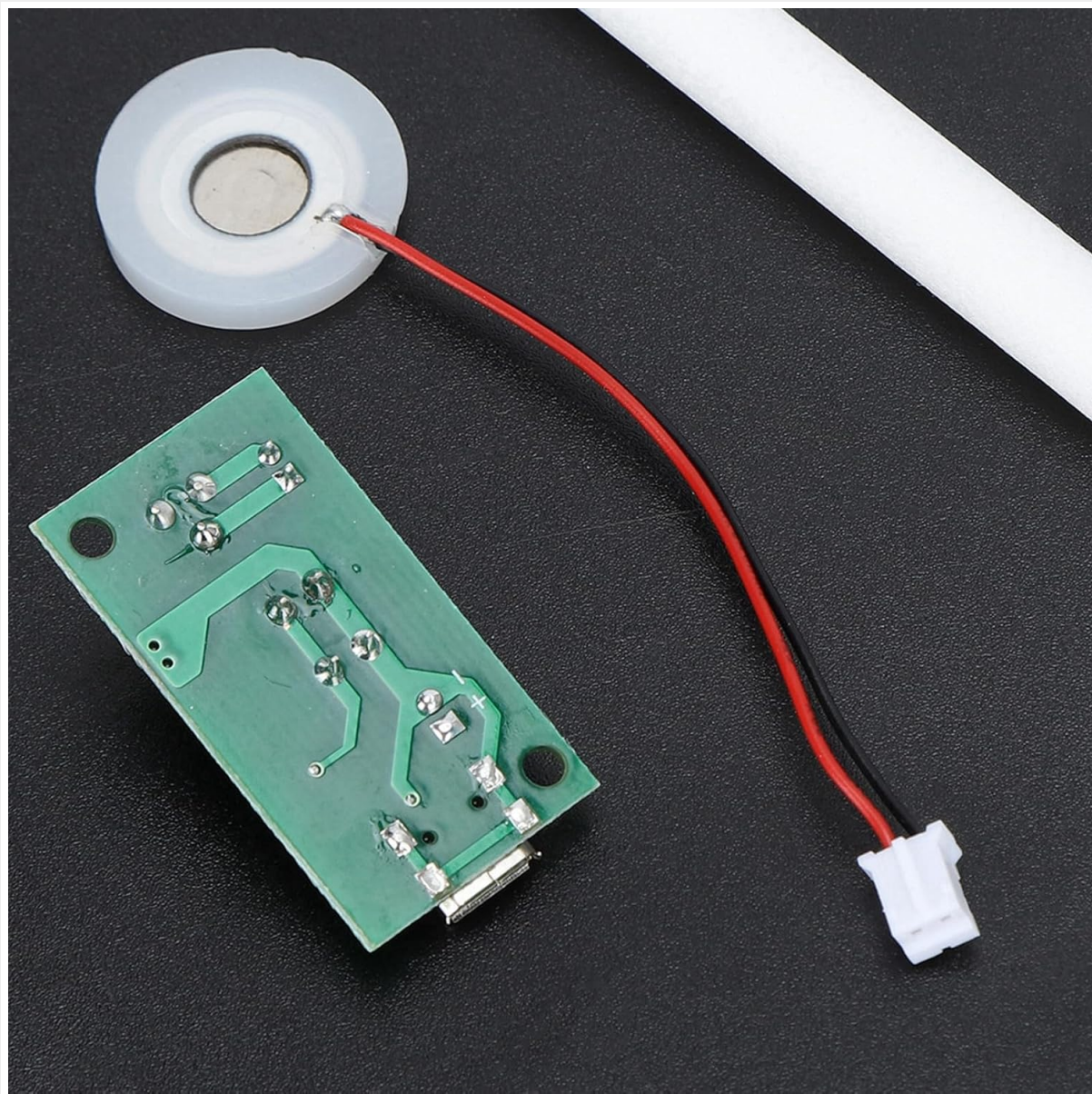


Image 5.1: Rear view of the circuit board, highlighting connection points.

## 6. OPERATING INSTRUCTIONS

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1. **Power On/Off:** Once connected to a power source, press the small button on the circuit board to turn the atomization on.
2. **Mode Selection:** Each subsequent press of the button will cycle through the operating modes: ON, OFF, and Intermittent.
3. **Timed Shutdown:** The module is equipped with an automatic 4-hour timed shutdown feature. After 4 hours of continuous operation, the module will automatically turn off.
4. **Water Level:** Ensure the cotton stick remains moist and in contact with water for continuous mist generation.

## 7. MAINTENANCE AND CARE

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- **Cleaning the Atomizer Disc:** If mist output decreases, gently wipe the surface of the atomizer disc with a soft cloth or cotton swab dampened with white vinegar to remove any mineral deposits. Rinse with clean water afterward.
- **Cotton Stick Replacement:** Replace the cotton stick periodically (e.g., every 1-3 months, depending on water quality and usage) or if you notice reduced mist output or discoloration.

- **Water Quality:** Always use clean, distilled, or demineralized water to prevent mineral buildup on the atomizer disc and prolong its lifespan.
- **Storage:** When not in use for an extended period, disconnect the power, clean the module, and store it in a dry, cool place.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No mist is generated.	No power, dry cotton stick, atomizer disc clogged, incorrect connection.	Check USB power connection. Ensure cotton stick is fully saturated. Clean atomizer disc. Verify atomizer disc wires are correctly connected.
Low mist output.	Mineral buildup on atomizer disc, cotton stick not fully saturated or old, insufficient water supply.	Clean atomizer disc. Replace cotton stick. Ensure cotton stick is properly submerged in water.
Module stops after 4 hours.	Automatic timed shutdown feature.	This is normal operation. Press the button to restart the module if desired.
Water collects on the surface around the atomizer.	Atomizer disc is immersed in water, not using capillary action.	Ensure the atomizer disc is positioned above the water level and receives water only via the cotton stick.

## 9. SPECIFICATIONS

Feature	Detail
Brand	Pwshymi
Model Number	Pwshymivhx62esw89510
Color	White
Atomizer Disc Diameter	16 mm (0.63 in)
Silicone Ring Outer Diameter	20 mm (0.79 in)
Pore Diameter	5 $\mu$ m
Number of Holes	740
Power	2 Watts
Voltage	5 Volts (USB powered)
Material	ABS, Ceramic, Silicone
Runtime (Timed Shutdown)	4 hours
Item Weight	8 grams

Feature	Detail
Operating Mode	Ultrasonic
Country of Origin	China



## ATOMIZATION MODULE

Ultra-fine spray particles  
Large amount of atomization,  
not wet desktop

Low driving voltage, low power,  
low impedance, stable waveform,  
high conversion efficiency

5 $\mu$ m ultra-fine spray aperture, 740  
ultra-dense spray hole number



Image 9.1: Dimensions of the atomizer disc.

## 10. WARRANTY INFORMATION

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation or contact the seller for specific warranty terms and conditions. The warranty typically covers issues arising from normal use and does not cover damage caused by misuse, accidents, or unauthorized modifications.

## 11. CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact the seller or manufacturer directly through the platform where the product was purchased. Provide your order number and a detailed description of the issue for prompt support.

