

TECHTONGDA B078XSC5F1

TECHTONGDA Commercial Ultrasonic Humidifier User Manual

Model: B078XSC5F1

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your TECHTONGDA Commercial Ultrasonic Humidifier. Please read this manual thoroughly before using the product and retain it for future reference.

The TECHTONGDA Commercial Ultrasonic Humidifier is designed for industrial and commercial applications, including greenhouses, supermarkets, warehouses, and other facilities requiring precise humidity control. It features a 6-head mist maker and a digital control panel for adjusting humidity and cycle times.

2. SAFETY INSTRUCTIONS

- Always ensure the power supply matches the humidifier's requirements.
- Do not operate the humidifier without water in the tank. The unit is equipped with a water level induction switch that stops operation when water is low.
- Keep the humidifier on a stable, level surface to prevent tipping.
- Do not block the fog outlet or air inlets.
- Disconnect power before performing any maintenance or cleaning.
- Keep out of reach of children and unauthorized personnel.
- Avoid direct contact with the mist maker while in operation.
- Ensure proper ventilation in the operating area.
- Do not use corrosive liquids or additives in the water tank. Use clean, demineralized water for optimal performance and longevity.



Image: Front view of the humidifier, showing the digital control panel, power switch, and fog outlet. A warning symbol for electrical hazard is visible on the lower front panel.

3. PRODUCT COMPONENTS

The TECHTONGDA Commercial Ultrasonic Humidifier consists of the following key components:

- **Main Unit Casing:** Constructed from stainless steel with a protective white paint finish.
- **Fog Outlet:** Located on the top of the unit for mist dispersion.
- **Digital Control Panel:** Allows adjustment of humidity levels and cycle times.
- **Power Switch:** To turn the unit on or off.
- **Water Inlet:** For manual or continuous water supply connection (1/2" pipe).
- **Overflow Port:** Prevents overfilling.
- **Outfall Port:** For draining the water tank.
- **Universal Wheels:** Four wheels for easy portability.
- **6-Head Mist Maker:** Stainless steel atomizing unit with water level induction switch.
- **External Humidity Sensor:** For accurate humidity readings.



Image: Side view of the humidifier, highlighting the water inlet, overflow, and outfall connections.



Image: Accessories including a braided water hose for connection and an external humidity sensor with its cable.



Image: Detailed view of the 6-head mist maker, showing the atomizing discs and the water level induction switch.



Image: Close-up of the digital control panel, displaying humidity and cycle time settings, along with control buttons.

4. SETUP

1. **Unpacking:** Carefully remove the humidifier from its packaging. Inspect for any shipping damage.
2. **Placement:** Position the humidifier on a stable, level surface in the desired area (e.g., greenhouse, warehouse).

Ensure adequate space around the unit for air circulation and mist dispersion.

3. Water Connection:

- **Manual Fill:** Open the top cover and pour clean, demineralized water directly into the water sink until it reaches the appropriate level.
- **Automatic Fill:** Connect a 1/2-inch water pipe to the "Water inlet" port. Ensure all connections are secure to prevent leaks. The unit has an overflow port to prevent overfilling when connected to a continuous water supply.

4. **External Sensor Connection:** Connect the external humidity sensor cable to the designated port on the control panel. Position the sensor in the area where humidity needs to be measured.

5. **Power Connection:** Plug the power cord into a grounded electrical outlet that matches the humidifier's voltage requirements.



Image: Side panel of the humidifier with clearly labeled water inlet, overflow, and outfall ports for plumbing connections.

5. OPERATING INSTRUCTIONS

1. **Power On:** Flip the main power switch to the "ON" position. The digital control panel will illuminate.

2. Setting Humidity:

- Press the **SET** button. The humidity display will flash.
- Use the **V** (down) and **A** (up) buttons to adjust the desired humidity percentage (RH).
- Press **SET** again to confirm the setting. The humidifier will automatically maintain this humidity level.

3. Setting Cycle Time:

- Press the **MODE** button to enter cycle time setting mode. The cycle time display will flash.
- Use the **V** (down) and **A** (up) buttons to set the desired operating duration or interval.

- Press **MODE** again to confirm.
4. **Monitoring:** The digital display will show the current humidity level and the set cycle time. The unit will automatically start and stop to maintain the set humidity.
 5. **Water Level Protection:** The integrated water level induction switch will automatically stop the mist maker if the water level falls too low, preventing damage to the unit. Refill water to resume operation.



Image: Detailed view of the digital control panel, illustrating the humidity and cycle time displays and the SET, V, A, and MODE buttons for operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your humidifier.

1. **Power Off and Unplug:** Always disconnect the humidifier from the power supply before any maintenance.
2. **Water Tank Cleaning:**
 - Drain any remaining water using the outfall port.
 - Wipe the interior of the water tank with a soft cloth to remove any mineral deposits or residue.
 - Rinse thoroughly with clean water.
3. **Mist Maker Cleaning:**
 - Carefully remove the 6-head mist maker unit.
 - Gently clean the atomizing discs with a soft brush or cloth to remove mineral buildup. Do not use abrasive materials.
 - Ensure the water level induction switch is free from obstruction.
 - Rinse the mist maker with clean water before reinserting.
4. **Exterior Cleaning:** Wipe the exterior of the unit with a damp cloth. Do not use harsh chemicals.
5. **Storage:** If storing the humidifier for an extended period, ensure it is completely dry and stored in a cool, dry place.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No mist output	- No water in tank - Power not connected - Mist maker dirty or damaged - Water level sensor obstructed	- Refill water tank - Check power cord and switch - Clean or replace mist maker - Clean water level sensor
Low mist output	- Mineral buildup on mist maker - Insufficient water level	- Clean mist maker thoroughly - Ensure water level is adequate
Water leakage	- Loose water pipe connection - Damaged water tank or seals	- Tighten all water connections - Inspect for damage; contact support if necessary
Humidifier not turning on	- No power supply - Main power switch off - Fuse blown	- Check power outlet and cord - Ensure switch is ON - Check and replace fuse if necessary

8. SPECIFICATIONS

Brand	TECHTONGDA
Model Number	B078XSC5F1
UPC	659103629764
Power Source	Corded Electric
Control Method	Touch (Digital Panel)
Mist Output Capacity	3 KG/h
Atomized Particle Size	3-5 µm
Recommended Coverage Area	200-500 Square Feet
Housing Material	Stainless Steel

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact TECHTONGDA customer service. Refer to your purchase documentation for specific warranty terms and contact details.

When contacting support, please have your model number (B078XSC5F1) and purchase date available.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question