

# **Cool and Warm Mist Ultrasonic Humidifier**

## **DF-HU28010 User's Manual**



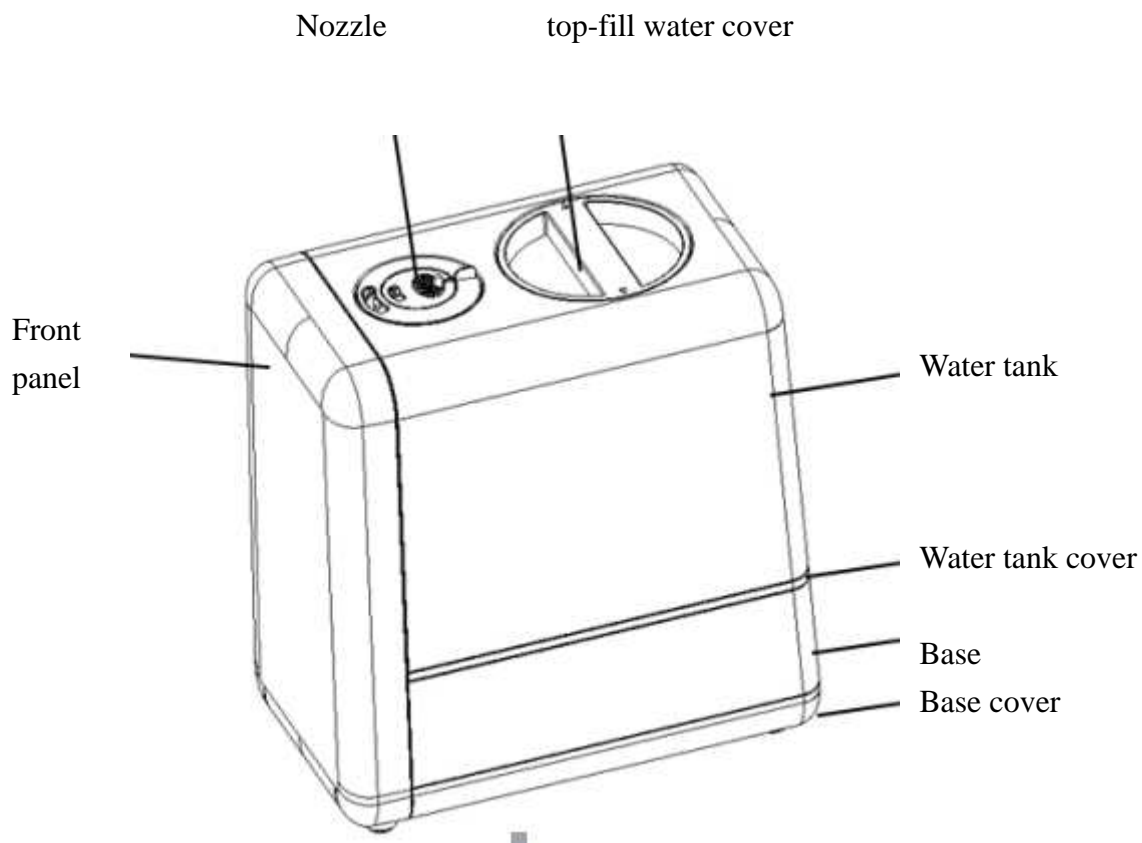
Please read the manual carefully before use.

## **IMPORTANT SAFETY INSTRUCTIONS**

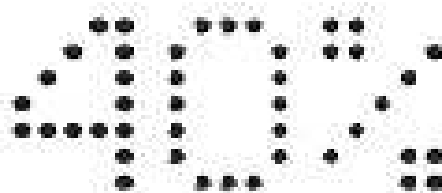
1. Read all instructions carefully and keep this manual for future reference.
2. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. Unplug the appliance during filling and cleaning.
5. Please fix the cord properly to prevent stumbling or breakage of the humidifier.
6. Do not let the appliance touch any hot surface.
7. To avoid electric shock, do not place the cord, the plug or the appliance into water or other liquids.
8. Remove the plug from the electricity supply before you move the humidifier, fill water, clean, do maintenance, and when the humidifier is not in use.
9. Do not operate the appliance with a damaged cord or plug or after the appliance malfunctioned or has been damaged in any manner. Return the appliance to our customer service center for examination.
10. Please make sure there is water in the tank before turning on the humidifier.
11. Do not let the cord hang over at the edge of a table or counter or touch hot surfaces. Do not place the appliance on an unsteady or cloth-covered surface.
12. Please check the power cord & the plug first to see if they are normal, and check the body to see if there are any cracks or damages. If there are any abnormalities, please call the customer service hotline for assistance.
13. Do not touch the water or the parts in the gutter while the humidifier is working or else you would be hurt.
14. Never touch the transducer with sharp or hard objects.
15. Do not pour water into the gutter directly.
16. Do not spray any detergent such as bug or mosquito killer into the fan to prevent damaging the plastic material.
17. The appliance is for household indoors use only. Do not use at outdoors or for any commercial or industrial purpose.
18. This appliance is not intended for use by people (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

19. Children should be supervised to ensure that they do not play with the appliance and packaging materials.
20. Please use pure water for cleaning the humidifier instead of any cleansers.
21. Do not disassemble the humidifier.
22. If long time no use, please unplug the appliances. (Do not need to connect to the ground)
23. Do not pour the rest water in the gullet with plug in, or it will damage the energy-changeable appliance.
24. You can use the appliance for 5-6 hours without stop when the water is full. Do not need to add any water.
25. Do not pour water over 40°C into the tank, otherwise the color or shape might be changed.
26. To make sure the humidifier work well and avoid accidents, please choose carefully the places where you put the humidifier:
  - a) It should be plain and firm
  - b) It should be far from heat sources or sunlight
  - c) It should be far from furniture, walls, curtains and home appliances, otherwise they may be affected with damp.
  - d) It should be with a normal temperature( 5°C -40°C ), otherwise the humidifier may be destroyed in the cold environment.
27. Drain water from the gutter and tank when the temperature is under 0°C, otherwise the water will be frozen and the units may be destroyed by ice.
28. Do not let water flow into the main body from airflow outlet. Wipe with dry towel when there is water on the outside of the main body.
29. Do not put metal, chemical or cleaning mixture into the gutter, otherwise the atomization may not go well.
30. Do not move when the gutter is full of water, otherwise the water may flow into the main body which will cause damage to the units.
31. There is potential interference when it is Working. So please keep the device at a distance with people and some items.
32. This device complies with part 18 of the FCC rules.

## **PARTS DESCRIPTION**



Display (see more detail at the end of the files)



Six touch control icon.



开/关

ON/OFF



出雾量

HI/LO



加湿量

Humidity setting



定时

Timer



热加湿

Warm mist

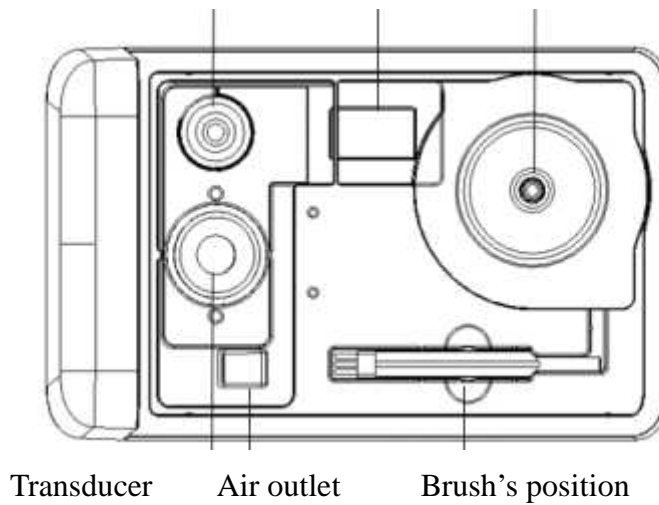


睡眠

Sleeping Mode

**Inside view:**

Floater Heating elements Silicone plunger



## FEATURES

1. Ultrasonic humidifier,
2. Touch control.
3. Cool and warm mist optional.
4. Humidity setting and display (40% 50% 60% 70% CO) .
5. Hi and low modes for mist control.
6. timer(1h~12h).
7. Lack water protection
8. The LED brightness will be 30% dark if there is no operation within 1 min.
9. Automatic humidity control.
10. Sleeping mode
11. Automatic water supply function

## HOW TO USE

### ● The installation of water tank:

Install the water tank directly into the body, or take off directly.

**Warning:** when move humidifier, please make sure use both hands to move products from bottom of both sides, not only carry the water tank, otherwise the product will be broke in danger.

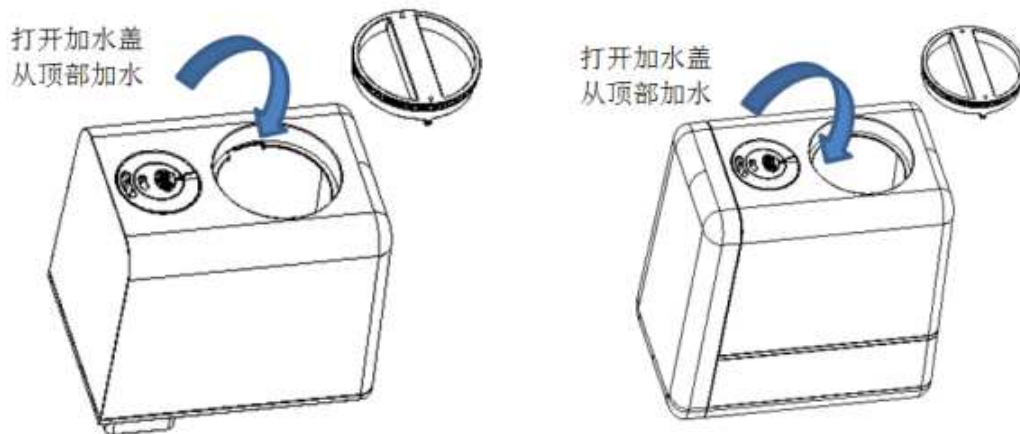
### ● Adding water to the tank

#### Top fill water:

1. Put the humidifier on a horizontal surface. Take the tank out from the humidifier.

Note: Do not add water to the base directly.

2. Take away the top-fill water cap, you can add water from it directly.
3. Put the filter and the tank back. There will be “gurgling” sounds and air bubbles would appear once the tank is placed correctly into the humidifier. Water in the tank would then pass through the filter to be purified, sterilized and softened, which would take 1 to 2 minutes. Once there are no more air bubbles, this indicates that there is sufficient water in the gutter and is now ready for the humidifier to generate mist.



Warning: Do not use other water except tap water (drinking water) because other water contains impurities, easily plant bacteria, which is bad for healthy. Recommended to use purified water.

## ● Operation

(1) Put on the power, all LED will lighten for 2 seconds and sound BiBi. The humidifier will stand by. Except the ON/ OFF icon, other icons are invalid.

### (2) ON/OFF:

- ① ON: Press the ON/OFF icon, the humidifier will start. All LED will be on for 1 second and off for 0.5 second. Then the screen will display Hi for 1 second and start to detect the water level. After 1 second, if there is water, it will start to work. (If there is no water, refer to POINT 8.)

The default status:

- a) The humidity setting is defaulted as continuous working;
- b) Timer OFF;
- c) DC fan ON;
- d) Cool mist;
- e) HI Mode humidifying;
- f) The matrix screen will display the current humidity;

②OFF: Press again the ON/OFF icon. The matrix screen will display OFF for 1 second, the buzzer will sound “Bi—”and then standby:

- a) DC fan OFF;
- b) PTC OFF;
- c) Screen OFF;

**(3) HI/LO Mode Setting:**

- a) Default HI Mode when start;
- b) Press once, it changes to Lo mode and the humidity will become smaller. Display LO;
- c) Press again, it changes to Hi mode and the humidity will become bigger. Display HI

d) The humidity is as below when HI/LO mode:

Mode	PWM modulation degree	Humidity( it can change as the customer's requirement)
HI	100%	350ml
LO	60%	200ml

**(4) Cool and warm mist:**

- a) Default Cool mist when start;
- b) Press the Cool/warm icon, it shifts to warm mist. PTC ON, Display HOT
- c) Press the Cool/warm icon again, it shifts to cool mist. PTC OFF, Display HOT firstly for 1 second and then display ~~HOT~~. The middle line will flicker for 2 seconds. And then return to usual display.

d) Press this icon for three times, it will return to the first status.

**(5) Timer (1-12h)**

- a) Press the timer icon, the time will change from 1h-2h-3h-4h-5h-6h-7h-8h-9h-10h-11h-12h-00h, 00h means no timer. If set the timer, it will start count down, when the time becomes 0h, the humidifier OFF (no sound). When counting time, you can add the time by pressing the icon. Press once, add 1h, max is 12h;
- b) time display as shown at the end of the file;


**(6) Humidity Setting:**

Default as continuous humidifying. Press the humidity setting icon, it will shift from 40%, 50%, 60%, 70% and CO (continuous humidifying)

**(7) Sleeping mode:**

- ① Press the sleeping mode once, enter the sleeping mode. Under this mode, it will display ZZZ for 5 seconds and then display off. The humidifier will work as Low mode. The other functions keep the same as setting. There is no sound when lack of water under sleeping mode. If

lack of water, the screen will display as POINT 8. Except ON/OFF icon and sleeping mode icon, other icons are invalid.

② Press this icon twice. Exit sleeping mode. The buzzer on, other functions keep the same. It will display ZZZ for 1 second and then display . The middle line will flicker for 2 seconds. And then return to usual display.


#### **(8) lack water protection:**

① After 1 second of turn on, if it detects as lack of water. It will enter the protection mode.

② When working normally, the lack of water lasts for 6s, It will enter the protection mode.

③ Lack water protection

a) Fan, transducer and PTC off, turn on automatic water supply function.

b) The screen will display NO! and , shift once every second. After 1min, if it still detect as no water, it will stand by.

c) The buzzer will sound for three times. BI-BI-BI, first one is when detect lack of water firstly, second one is when lack of water lasts for 30s and third one is when lack of water lasts for 1min. After 1min, if it still detect as no water, it will stand by.

d) After turning on the automatic water supply function, detect the water level every 6 seconds. Within 10 times of detecting water, if there is water, it will start to work. If no, it will stand by.

④ The lack water protection ON, only ON/OFF icon take effect.

#### **(9) automatic water supply function:**

automatic water supply function ON, once water tank is lower than the lowest water level, ac solenoid valve will automatically add water, once added to the highest level, the ac electromagnetic valve automatically stop adding water.

#### **(10) Automatic Humidity control**

When the environment humidity is lower than the setting humidity, it will work; otherwise, it stands by. When setting CO, no matter the environment humidity, it will work.

#### **Reminder:**

- ◆ This ultrasonic humidifier uses a piece of metal diaphragm to vibrate at an ultrasonic frequency creates water droplets that silently exit the humidifier in the form of a cool fog.
- ◆ The “gurgling” sound is normal, as water would go through the filter to the



**gutter.**

- ◆ **The intensity of the mist would be affected by the relative humidity, temperature of the area. It would be harder to generate mist if it is cold and wet.**
- ◆ **The water used should be between 4°C to 50°C and should be clean tap water or distilled water.**

## **MAINTENANCE & WASH**

- Please unplug the appliance before washing.
- Wash the water tank every two or three weeks.

### **Maintenance for the surface of humidifier**

Wipe body surface with a damp cloth, do not pour with water directly.

### **Maintenance for the water channel (once a week)**

1. Take away the water tank
2. If there is dirt in the gullet, rub it with the brush provided then rinse it with water.

### **Maintenance for filter**

1. Take off the tank, unscrew the cover and take out the tank and the filter.
2. Immerse the filter into clean water. Clean the impurities on the non-woven fabric and wash the water filter.
3. Fix the water filter.

### **Maintenance for water tank**

1. Take off the tank, drain the left water of the water tank
2. Add on a third of the water to the water tank, and screw the tank cover, shake up and down, pour out the water. Or put your hand in the water tank, with the brush or cloth to clean, wash and rinse again,
3. Add clean water to the water tank and put water tank back.

### **Warnings:**

- Do not wash it with soapy water. You should wash it with pure water.
- When washing the appliance, avoid water from splashing into the inner parts of the appliance or the spare parts otherwise they will be wet and might cause problems.
- Do not tear down the appliance.

## **SUGGESTIONS**

- Humidifying with tap water or distilled water.

- Clean the transducer, tank, and main body every week.
- Replace water frequently.
- Do not remove the water tank once it has been properly placed unless a refill of water is needed.
- Whenever you need to pour away water from the water trough, unscrew at the bottom part of the main body (the outlet) then let the water flow out.
- Keep the tank and gutter dry if the humidifier is going to be left unused for a long time.
- Keep all parts of humidifier dry before packing off.
- It is forbidden to touch the transducer with hard objects. Clean the transducer with wet cloth. It is better to clean it with salt water.

## COMMON PROBLEMS & SOLUTIONS

Abnormal problems	Cause	Solution
Power light is off, no wind and fog	The plug is not in use and the power is off	Put the plug in socket correctly and turn it on
Power light is on; wind exists but no fog.	The automatic humidity knob is off, lid of the water level floater is loose.	Make the tank full of water. Turn the knob clockwise. Tight up the lid
The odor of the fog	New machine or water is not clean	Open the water tank and place it in the shade for 12 hours. Wash the tank or change the water
Fog is little	The energy changeable appliance has scale, water is dirty or long time no change	Wash the energy appliance and replace with clean water
No fog	There might be too much water in the water trough.	Pour away all the water in the water trough and put the tank back properly.
Water is not down	Floater is loose or the inletting water lid is dirty	Tight up the lid of the floater and wash the lid of the knob

### Environment protection



■ This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.