



# AG-20 Antibacterial Vaporizer

**USER MANUAL**  
- ENGLISH





## Safety Information



Thank you for choosing Air Guard. Please read the following safety information carefully before operating the machine. This information includes important safeguards about installation, usage, and maintenance. Pay attention to all warning labels and instructions in this manual and printed on the machine.

- Keep this device dry.
- Always connect to a grounded circuit to avoid risk of electrocution.
- Before connecting the machine to power, always check the voltage indicate on the machine matches to your local AC voltage. Do not use the machine if AC power voltage does not match.
- Disconnect the machine from AC power before servicing and when not in use.
- If the supply cord is damaged, contact your local dealer for replacement.
- This product is for indoor use only! Do not expose to rain or moisture. If fluid is spilled, disconnect AC power and clean with a damp cloth. If fluid is spilled onto electronic parts, immediately unplug the machine and contact your local dealer for advice.
- No user serviceable and modifiable parts inside. Never try to repair this product, an unauthorized technician may lead the machine to damage or malfunction.
- For adult use only. Children being supervised not to play with the machine. Never leave the machine running unattended.
- The machine is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
- Installed in a well ventilated area. Provide at least 50 cm space around the machine.
- Never add flammable liquid of any kind to the machine.
- Make sure there are no flammable materials close to the machine while operating.
- Only use Air Guard Antibacterial Solution. Other solution may lead to heater clog and malfunction.
- If the machine fails to work, unplug the machine and stop operation immediately. Contact your local dealer for advice.
- Before transporting the machine, make sure the fluid tank is completely drained.

- Air Guard Antibacterial Solution may present health risks if swallowed. Do not drink Air Guard solution. Store it securely. In case of eye contact or if solution is swallowed immediately look for medical advice.

## Unpacking and Inspection

Immediately upon receiving the antibacterial vaporizer, carefully unpack the carton, check the content to ensure that all parts are present and have been received in good condition. If any parts appear damaged or mishandled from shipping, notify the shipper immediately and retain the packing material for inspection.

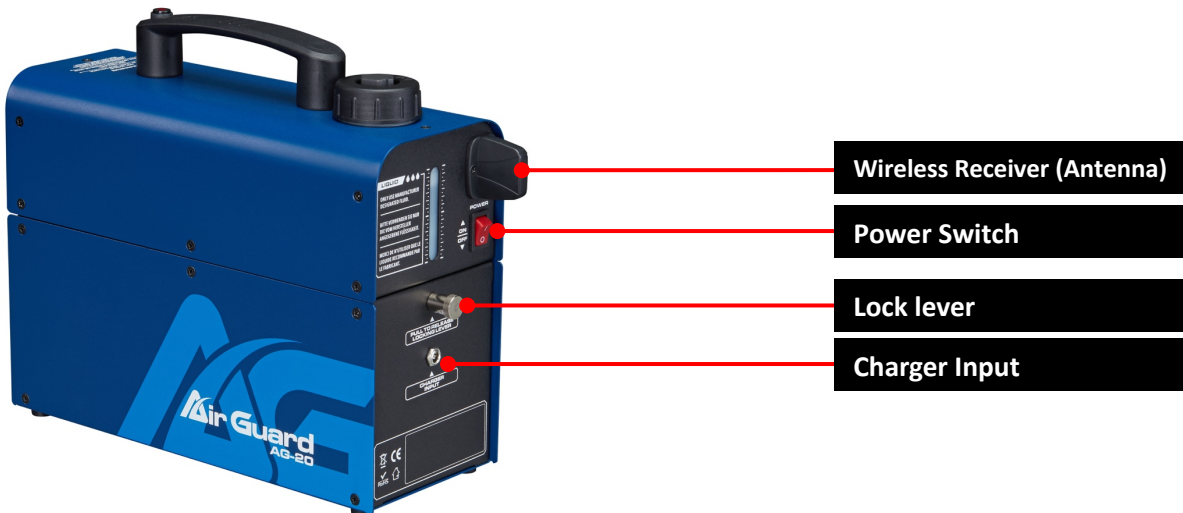
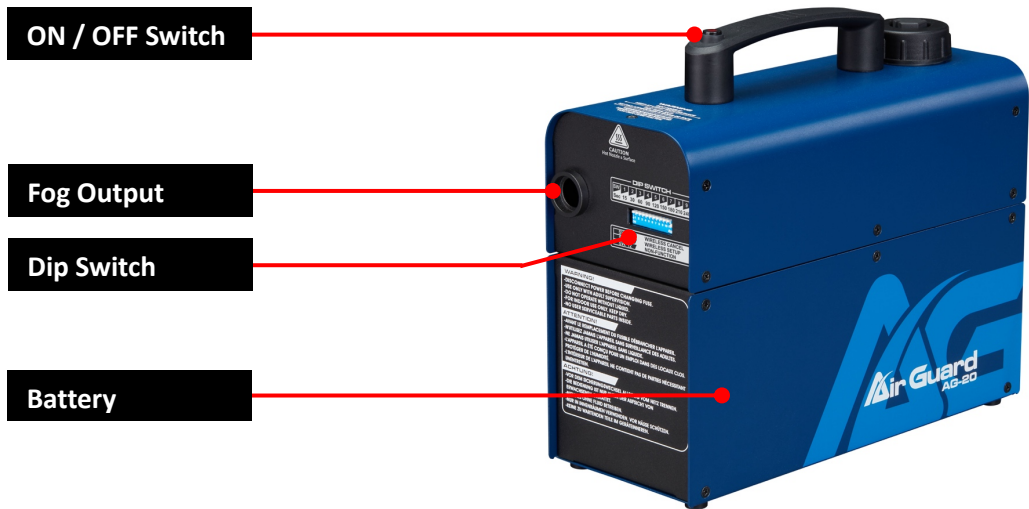
**What is included:**

- 1 x AG-20 Antibacterial Vaporizer
- 1 x Battery
- 1 x Battery Charger
- 1 x Wireless Remote Control
- 1 x FLD Antibacterial Solution
- 1 x User Manual

## Product Dimensions



## Product Overview



## Setting Up

**Step 1:** Place the machine on a flat surface and in an area with at least 50 cm open space at each side of the machine.

**Step 2:** Fill the fluid tank with Air Guard fluid.



Always connect the machine to a protected circuit and ensure it is properly grounded to avoid risk of electrocution.

**Step3:** Connect the battery base or power base to the fog machine. Turn on the machine to start operation.



*Pull to release locking lever*



*Align and insert head unit to base*

### Battery and Chargers

When the LED indicator on the charger turns red, the battery is being charged. When it turns green, the charging process is completed. A low power battery requires approximately 3 hours to be fully charged. A fully charged battery can run the machine for roughly 12 minutes.



*Plug in the charger*



*Red light indicates charging*



*Green light indicates charging completed*

## Operation

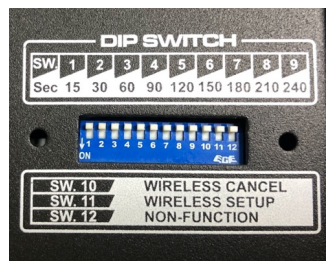
### Manual Mode

Put DIP switch 1 ~ 9 to OFF position for manual mode.

In the manual mode, fog output can be triggered by either keeping holding the handle button or pressing once the button A on the wireless transmitter. To stop fogging, release the handle button or press once the button B on the wireless transmitter.



### Timer Mode



Use the DIP switch located in front of machine to set the timer's duration (fogging) time. Duration time can be set from 15 to 240 seconds. Put DIP switch to ON position for desired duration time. Longer timer setting overwrites shorter timer setting. For example: When both DIP switch 1 and 9 set to ON position, the duration time will be 240 seconds.

Timed fogging can be triggered by either pressing the handle button once or pressing the button A on the wireless transmitter once. When the timed fogging's time is up, machine stops automatically. To stop timed fogging immediately, press once handle button or press once the button B on the wireless transmitter.

## Radio Wireless Remote System

Radio wireless remote control system consists of a transmitter with two buttons to activate and deactivate fogging. The wireless signal receiver (antenna) is attached to the rear panel of AG-20.



W-1 Wireless Transmitter

Press [A] button to emit fog and press [B] button to stop fogging.



*Wireless Signal Receiver (Antenna)*

In an open space, the maximum distance of the radio wireless remote is 50 meters. However, the operating distance depends on obstacle levels.

### **Pairing and Deleting a transmitter with receiver**

Transmitters can be paired or deleted from the wireless signal receiver. Each receiver can pair up to 5 transmitters. Follow the steps below to pair or delete a transmitter from a receiver.

#### ***To Pair***

Step 1: Put Dip switch 11 to ON position

Step 2: The red LED indicator on handle starts to blink. Press button A on the transmitter once to pair it with the receiver.

Step 3: Once pairing is completed, LED indicator will be constant on for 3 seconds

Step 4: Put Dip switch 11 back to OFF position to start operation

#### ***To Delete***

Step 1: Put the dip switch 10 to ON position

Step 2: The red LED indicator on handle starts to blink. Press button A on the transmitter once to delete it from the receiver.

Step 3: The deleting process takes approximately 10 seconds

Step 4: Once deleted, the LED indicator will be on for 3 seconds

Step 5: Put the dip switch 10 back to the OFF position to start operation

### **Transmitter battery replacement**

If the operating distance of the radio wireless remote becomes shorter, it is possible the wireless transmitter's battery power is getting low and requires a replacement. In order to replace the battery, undo the three screws on the back of transmitter to remove the case. Replace with the same type and specification of battery which is 27A 12V.



## Fluid



Use **Air Guard FLD / FLV** Antibacterial Solution for AG-20. The machine is tested and calibrated with these authorized fluids to achieve the best performance. Warranty will be void, if any other type of liquid is used. Improper use of liquid may lead to machine failure and danger.

## Service and Maint

- It is recommended to run the machine on a monthly basis in order to achieve best performance and output condition.
- Excessive dust, liquid and dirt built up will degrade performance and cause overheating.
- In an event of machine error, contact an authorized distributor/dealer for further technical supports and service.

### Red LED Indicator on the handle

Machine's Status	LED Indicator
Ready to fog	Constant on
Producing fog	Slow flash every 0.7 second
Low battery	Quick flash every 0.3 second
Machine error	Quick flash every 0.1 second

## Technical Specifications

- Input voltage	DC 12V (Battery) AC 100-240V, 50-60Hz (Battery charger)
- Rated power	600W
- Warm-up time	1 second (approx.)
- Fluid consumption	14 ml/min
- Fluid tank capacity	0.4 Liter (0.11 Gallon)
- Compatible fluid	Air Guard FLD Antibacterial Solution Air Guard FLV Antibacterial Solution
- Ambient temp. range	0 °C - 40 °C (32 °F-104 °F)
- Control	Manual, Timer, Radio Wireless Remote
- Dimension	L293 W108 H238 mm (L11.54 W4.25 H9.37 inch)
- Weight	8.5 kg (18.74 lbs)







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