

ATTEN



ST-1015/ST-1015W Static Eliminator AC Ion Fan

SHENZHEN ATTEN TECHNOLOGY CO., LTD

Content

01. Safety and cautions.....	01
02. Package list and apperance description.....	02
Packing list.....	02
Apperance description.....	02
03. Specification.....	03
Technical parameters.....	03
Packing.....	03
04. Operation instruction.....	03
Operation.....	03
Air volume adjustment.....	03
Adjust ion balance:.....	04
Adjust angle of static eliminator ac ion fan.....	05
05. Static eliminator ion fan maintenance.....	06
Clean dust-proof cover.....	06
Automatic cleaning device.....	06
Changing ion emitter.....	07
Changing fuse.....	08
06. Maintenance.....	08
07. Product warranty.....	09

01/Safety and cautions

- The design of this product (including software) and its accessories are under tutelage of laws. Any action to violate relevant right of our product will be penalized by the law. Please consciously observe relevant local laws in the use of this product.
- Thank you for purchasing our products Please read this manual carefully and pay attention to warnings and precautions mentioned herein before using this product.



warning Failure to comply with a WARNING may result in serious injury or death.



Attention Failure to comply with a ATTENTION may result in injury to the operator, or damage to the items involved.

- We assume that user have common sense and basic relevant electrical operation knowledge before using this product. Children shall not play with the appliance without supervision.



Attention To avoid damaging to unit and please keep the operating environment safe.

- To avoid electric shock, injury to user or causing fire, please comply with the following items.
- To ensure your safety and avoid damage to the unit, please use parts and accessories that have been approved or recommended by our factory.



Warning

- Before switching on the power supply, ensure that the voltage of the product conforms to the applicable local voltage to avoid permanent damage to the machine.
- Do not touch the fan and ion emitting needle when power is on.
- The unit generates high voltage inside, please clean up ion needle by professionals.
- Do not fill stuffs through the air inlet and outlet location.
- Keep this product away from flammable materials.
- keep this product out of children's reach.
- Do not use this product if you are inexperienced or have no sufficient necessary knowledge without the guidance of related personnel.
- Do not use this product under wet environment or with wet hands to prevent electric shock.
- To ensure the normal operation of this product's grounding function, make sure that the power supply is well grounded when connecting the machine.
- If the power cord is damaged, turn off the power immediately and replace the power cable.
- Please use the accessories from the original factory when replacing the product parts.
- Make sure to turn off the power switch when the equipment is temporarily stopped or out of use.
- Do not play or do other similar dangerous actions when using this equipment, because it can easily lead to injury to others or yourself.
- Do not use it for any purpose other than the function of the product, to avoid machine damage or personal injury.
- Do not modify this product and its accessories, otherwise the original warranty will be invalidated or damage may occur to the product.
- When plugging and unplugging the power cord and handle plug, please hold the plug body and do not pull the cord.
- Do not hit the product or its accessories too hard during the operation; otherwise damage may occur to the product.



Disclaimer

- We will take no responsibility for any personal injury or property damage caused by reasons other than the product quality problem, which may include force majeure (natural disasters, etc.) or personal behavior during the operation of this product.
- This manual is organized, compiled and released by SHENZHEN ATTEN TECHNOLOGY CO., LTD. According to the latest product features. We will not be responsible for further notice of the subsequent improvement of the product and this manual.

02/Package list and apperance description

• Packing list



• Static eliminator ion fan host *1



• Power cord *1



• Ground wire *1

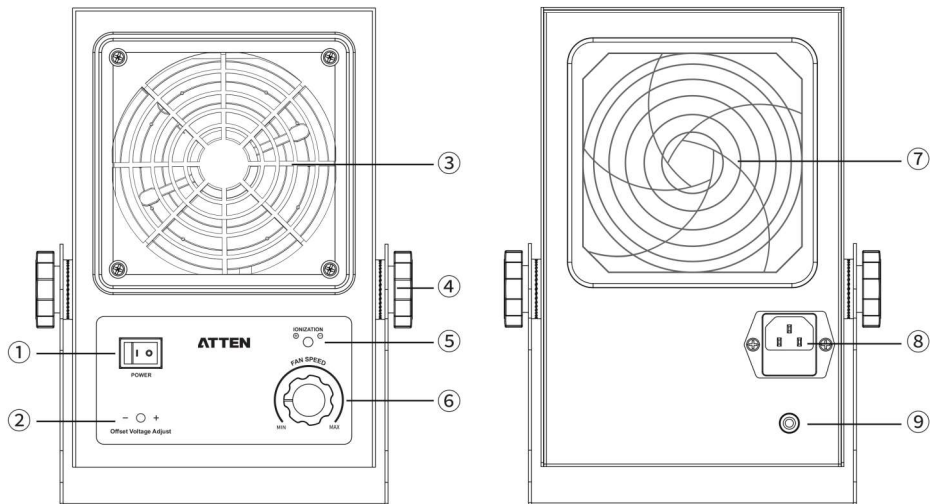


• User manual *1



• Certificate *1

• Apperance description



- ① Power switch
- ② Adjust ion balance
- ③ Automatic cleaning device mask
- ④ Angle adjustable knob
- ⑤ LED indicator light
- ⑥ Fan speed knob
- ⑦ Dust-proof cover
- ⑧ Power interface
- ⑨ Metal ground rod

03/Specification

• Technical parameters

Model	ST-1015	ST-1015W (warm air)
Rated operating voltage	AC 220-240V~ 50/60Hz	
Output voltage	AC 4.5KV	
Ozone protection	<0.01 PPM	
Power	15W	400W
Air volume	$\leq 2.4\text{m}^3/\text{min}$	
Heating temperature		40-45°C (air outlet)
Static elimination time	$\leq 2\text{S}$	
Ion balance	$\leq \pm 10\text{V}$	
Ion balance adjustable	yes	
Effective range	400*1500mm	
Ion emission needle	Stationary	
Work conditions	Temperature 0°C~45°C; Relative humidity<75%RH (Suggestions 50%~70% humidit run with the best)	
Dimension	146 (L) x85 (W) x238 (H) mm	
Weight (N.W.)	$\approx 2.98\text{Kg}$	
Installation	Desktop, Hanging, Clamping	

• Packing

Inner box package	Outer carton package
Inner box size:282x210x235mm Product weight: $\approx 2.98\text{Kg}$ G.W: $\approx 3.48\text{kg}$	Outer carton size: 435x297x495mm Package: 4pcs/carton G.W: $\approx 15\text{kg}$

04/Operation instruction

• Operation:

- ① Place or fix static eliminator ac ion fan in a stable working environment, connect the power cord to the power interface on the host.
- ② Turn on the power switch, after the cleaning brush starts to work for 3-5 seconds, the static eliminator ac ion fan will enter normal operation and the indicator light will be displayed as green.

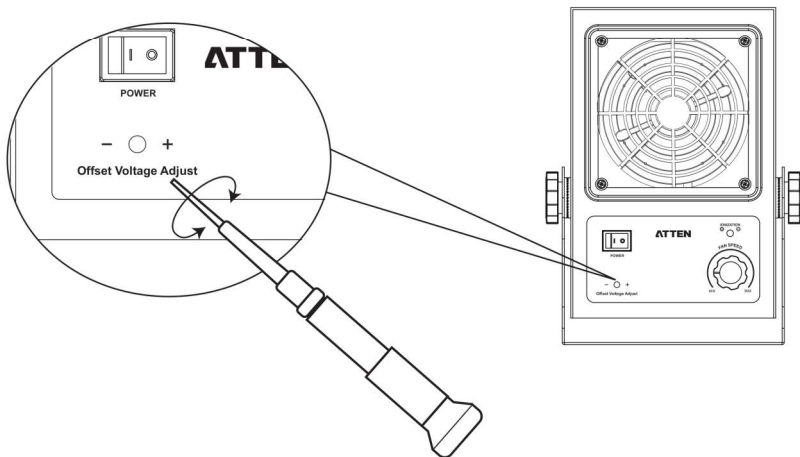
Note: ST-1015W has warm air function, "I" means cool air, "II" means warm air, "O" means power off.

• Air volume adjustment:

- Adjusting with clockwise means adding air volume, counterclockwise means reducing air volume.

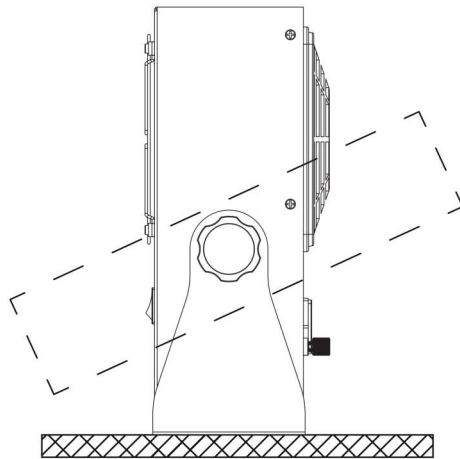
• Adjust ion balance:

- If the ion balance voltage of the machine exceeds the technical parameters requirements, it is necessary to adjust the ion balance voltage. Use a special adjusting tool or a small flat-head screwdriver to align with the corresponding adjustment port. Adjust the voltage in the directions of "+" and "-" marked on the machine panel according to the requirements (as shown in below figure).

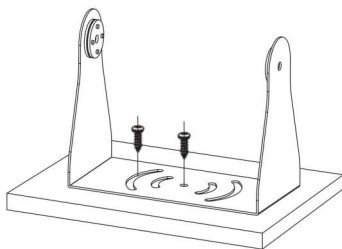


• Adjust angle of static eliminator ac ion fan:

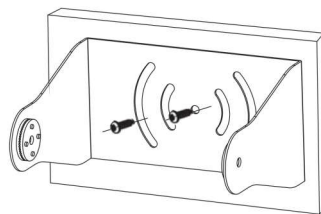
- The orientation of the air outlet can be adjusted according to the operating environment, with 10° as one gear and 0~265° air outlet adjustable.
- It is recommended that the distance between the static eliminator ac ion fan and the workplace between 30cm and 90cm. If the static electricity need to be neutralized quickly, the recommended distance is 15cm.
- Under working, try to make the ion wind cover a large area of the work place. The direction of the ion wind can be adjusted by tilting the fan.



- According to the use environment, the ion fan bracket supports placed on the table or hung vertically.



Desktop



Hang up

05/Static eliminator ion fan maintenance

• Ion emitting needle change and clean



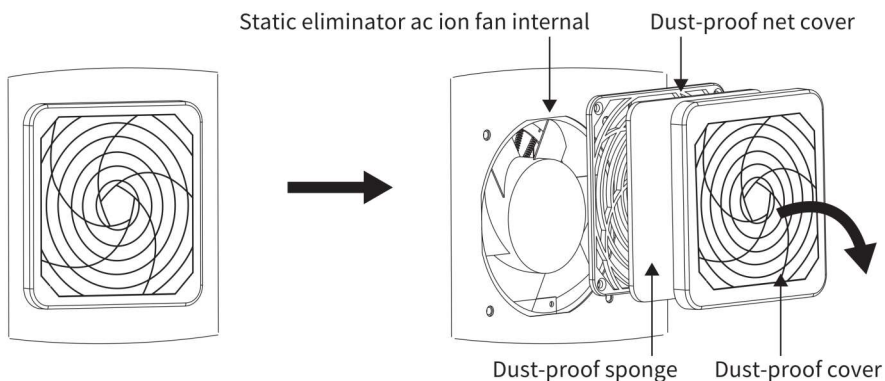
warning

- The unit generates high voltage inside, professionals needed when change or clean up ion needle, turn off power before clean, and wait the ion emitting needle discharge for 5 mins.

• Clean dust-proof cover:

Remove the cover dust-proof cover and dust-proof sponge from the static eliminator ac ion fan, and clean it with a soft brush, cloth or ultrasonic equipment.

Static eliminator ac ion fan internal can be cleaned with a soft brush, cloth or air gun.



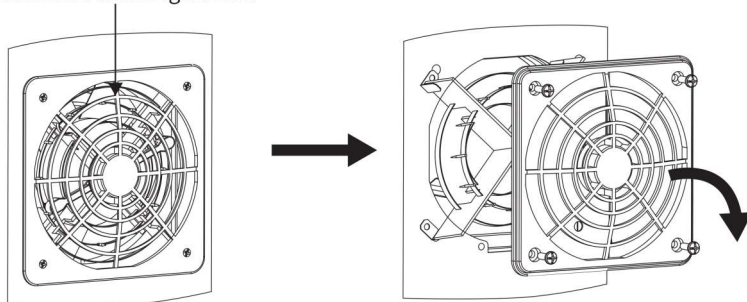
• Automatic cleaning device:

Remove the automatic cleaning device from the static eliminator ac ion fan, after ion emitting needle completely discharged, clean it with a soft brush, cloth or ultrasonic equipment.



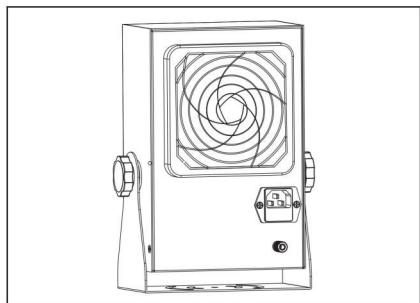
Note: The ion emitting needle is sharp, pay attention to safety when cleaning.

Loosen the screws and remove automatic cleaning device.

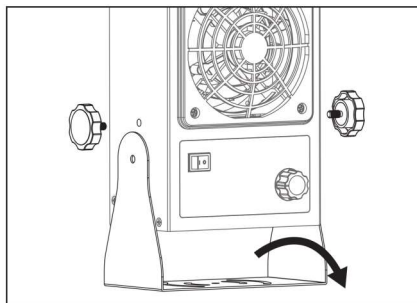


• Change ion launcher:

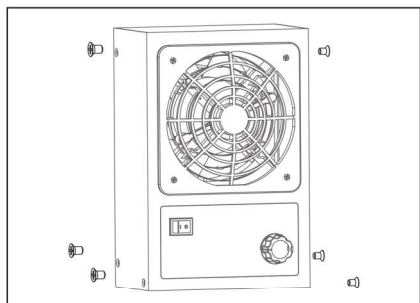
⚠ Note: The ion launcher can be changed according to the use, otherwise it will have a serious impact on static electricity elimination ability.



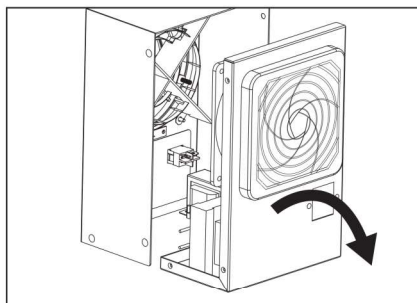
① After power off, wait for ion emission needle to discharge 5 mins;



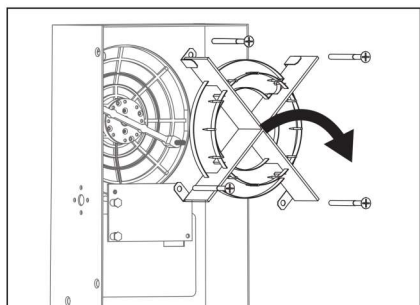
② Disassemble static eliminator ac ion fan's fixed bracket;



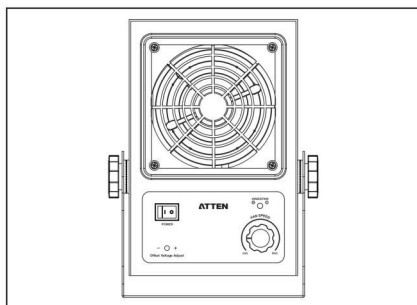
③ Loosen the screws;



④ Remove wire rod and the casing of the machine;



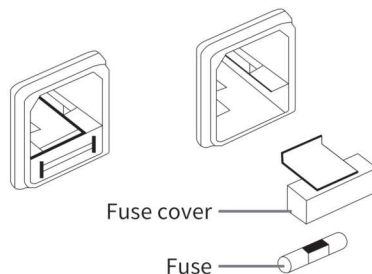
⑤ Remove the ion launcher screws, replace new ion launcher; (Please use the accessories from the original factory)



⑥ After finishing ion launcher replacement, follow the disassembly steps to restore the machine.

• Changing fuse:

- ① After power off , unplug the power cord from the power receptacle;
- ② Remove the fuse cover and remove the fuse;
- ③ Replace new fuse; (Please use the accessories from the original factory)
- ④ Put the fuse cover back.



06/Maintenance

Description	Reason	Guide
Unable to start	Fuse unequipped or damaged	Check if the fuse is damaged (if so, please replace the fuse according to the conditions)
	Motherboard burnout	Please contact the local dealer or manufacturer for assistance.
Lose the ability to electrostatic removal capacity	High voltage pack anomaly	Please contact the local dealer or manufacturer for assistance.
	Ion emitting covering dust affects performance	Cleaning ion emitting needle

• After-sales contact

- If the machine fails, or cannot work normally due to unknown reasons, please contact the local dealer or manufacturer for consultation.
- After-sales service department tel: 400-998-6633

07/ Product warranty

• Warranty regulations:

- ① The warranty period of this product is calculated from the date of purchase. During the warranty period, under the condition of normal use of this product, if the fault occurs due to the quality problem of the product itself, according to the content of this warranty card, you can enjoy free maintenance serve at the authorized repair place designated by the company (or the company) by presenting the original warranty card. Please keep the proof of purchase and this warranty card, and present them together when maintenance.
- ② During the warranty period, paid maintenance services will be implemented in the following situations:
 - a. Failure to provide a valid warranty card or valid certificate.
 - b. Items such as the date of purchase and the name of the sales unit are not completely filled in or the warranty card is altered.
 - c. Damage caused by failure to operate in accordance with the usage methods and precautions written in the instruction manual.
 - d. Damage caused by natural disasters or force majeure.
 - e. Damage caused by dismantling, repairing or modifying the product without the authorization of the manufacturer.
 - f. Replacement of fragile and consumable parts.
- ③ All items of the warranty card must be filled in completely by the agent or user directly to obtain a 24-month warranty period.
- ④ Please keep this warranty card properly, it will not be reissued if it is lost.
- ⑤ In special circumstances, the two parties shall negotiate and deal with it.
- ⑥ The final interpretation right belongs to our company.

User Notice

The warranty period of this product is valid within 24 months from the date of purchase. For any product quality problem, the company will be responsible for free maintenance with this card and purchase certificate.

Note: When this product is returned to the factory for maintenance, the warranty card must be attached, other wise it will not be repaired for free, thank you for your cooperation (please read the warranty regulations for warranty related instructions)

Product warranty card

Product Model: _____ Product No.: _____

EX-Factory No.: _____ Sold Date: _____

This product test result is qualified and met the technical standard.

SHENZHEN ATTEN TECHNOLOGY CO., LTD.

- Soldering Iron ● Soldering Station ● Hot Air Rework Station
- Multi-function Rework System ● Switching DC Power Supply
- Regulated DC Power Supply ● Solder smoke purify machine
- Programmable Power Supply

SHENZHEN ATTEN TECHNOLOGY CO., LTD.

Add: Floor 7 & 8 , Building B, Konka Guangming Technology Center,
No.228 Xingxin Road, Guangming District, Shenzhen 518100, China

Tel: +86 0755-8602 1389 400-998-6633

Web: www.atten.com

Email: sales@atten.com.cn

MADE IN CHINA
CBN036252 (A)