



# FAST Series Air Disinfection & Purification-Advertisement Machine User Manual

*Omni-directional stereo display  
Double disinfection & purification technology  
Big data platform dynamic tracking management +  
Remote intelligent control  
Anti-epidemic Technologically  
Tide Over Crisis Jointly*

# User Manual

Congratulations on choosing FAST series air purifier. The more familiar you are with your air purifier, the more comfortable you will find it in use.

Thus, we sincerely hope that you can read this user manual carefully before starting your new FAST air purifier. You'll get important tips on how to take full advantage of the technology of FAST air purifier, as well as useful information on the safety and maintenance of the equipment.

Sincerely wish you safe and happy during use!

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# Tips

## About User Manual

Through the directory, you can find the specified project quickly. It is recommended to read the user manual carefully in order to understand your FAST air purifier.

## Update after Final Draft

When the user's manual has been finalized and updated as necessary, it shall be attached to the printed brief notes.

## Additional Information

If you have any further questions, please feel free to contact our after-sales service center

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## FAST-Y-90A-A Air Disinfection & Purification-Advertisement Machine

This manual describes all the systems and functions in the FAST series products. Therefore, the actual position of some operating elements may be different from that shown in the illustration due to the different air disinfection model and appearance design you purchased.

## Timeliness of User Manual

Through continuous further developing, we guarantee the high performance and high quality of FAST series air purifier. Therefore, your FAST air purifier may occasionally differ from the description.

## Self-security

Your FAST purifier is technically designed according to the operating conditions set in the technical parameters table of this manual. If it is to be used in other countries, please inform us in advance according to local operating conditions and licensing requirements so that we can adjust the design

## **Maintenance and Repair**

- The warranty period is 12 months from the date of delivery, unless otherwise stated in the product-specific warranty, offer or contract
- Repairing a defective part or device or if needed replacing the faulty part or unit with a new one according to the consideration of the salesperson is included in the warranty.
- This operation shall only be permitted at the SHANGFENG After-sales Service Center or agent by personnel with corresponding training in accordance with the provisions of SHANGFENG Company.
- Possible travel expenses and freight costs that are caused by the warranty repair are not included in the warranty.

## **Parts and Accessories**

SHANGFENG is not responsible for any parts and accessories without its approval. For any product that is not SHANGFENG's original factory or is not approved by SHANGFENG, it cannot be determined whether it can be used on the SHANGFENG air disinfection purifier without safety risks, even if an official body gives its approval. These tests cannot always take into account all conditions of use of the SHANGFENG air purifier and are therefore inadequate.

## **Summary**

### **Product Overview**

FAST-Y-90A-A Air Disinfection & Purification Machine is composed of air intake system, purification system, disinfection system, exhaust system, deodorization system, noise reduction system, intelligent control system and big data platform.

### **Application**

It is suitable for disinfection and purification of indoor air in Terminal building, waiting room, subway station, hospital, school, exhibition hall, museum, library, venue, hotel, shopping center, supermarket, cinema, office building and other closed spaces.

### **Advantage**

Super-large purification area, super-high purification flux and super-strong purification effect.

Products have obtained CE certification, the US FCC certification, China Environmental Labelling(II) product certification, China CCC certification.

## Assembly Drawing

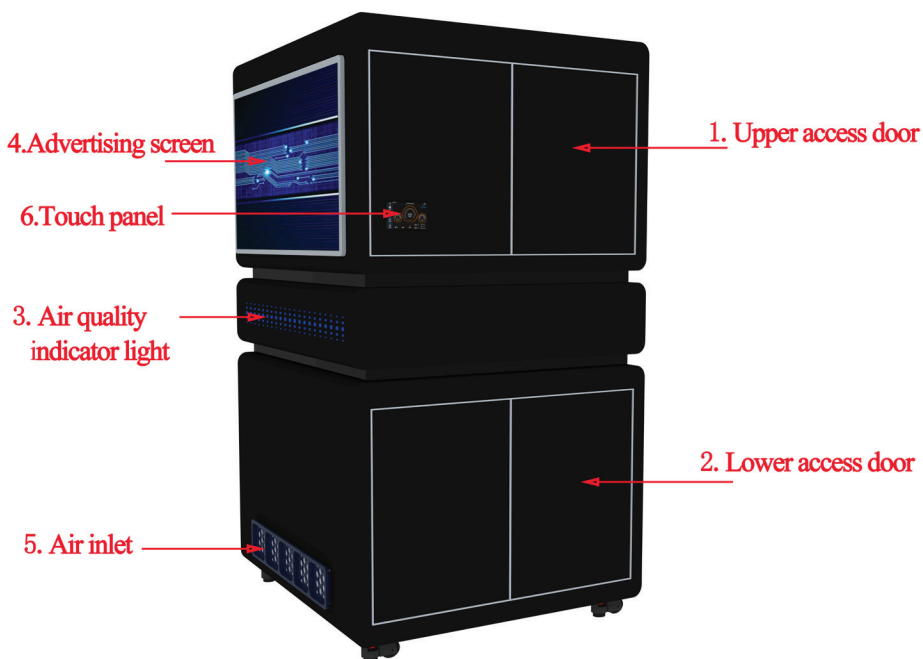


Figure-1

## Operation

### Power-on

Insert the power plug of the air disinfection purifier into an external independent socket (it should be reliably grounded).

### Startup/Shutdown

After the power is switched on, the touch panel on the machine will start automatically. It takes about 20 seconds for the touch screen to start up for the first time.

When the device needs to be shut down, please click the intelligent control button on the touch screen, then enter the intelligent control interface. Turn all the touch switch to gray, indicating that the device has been shut down.

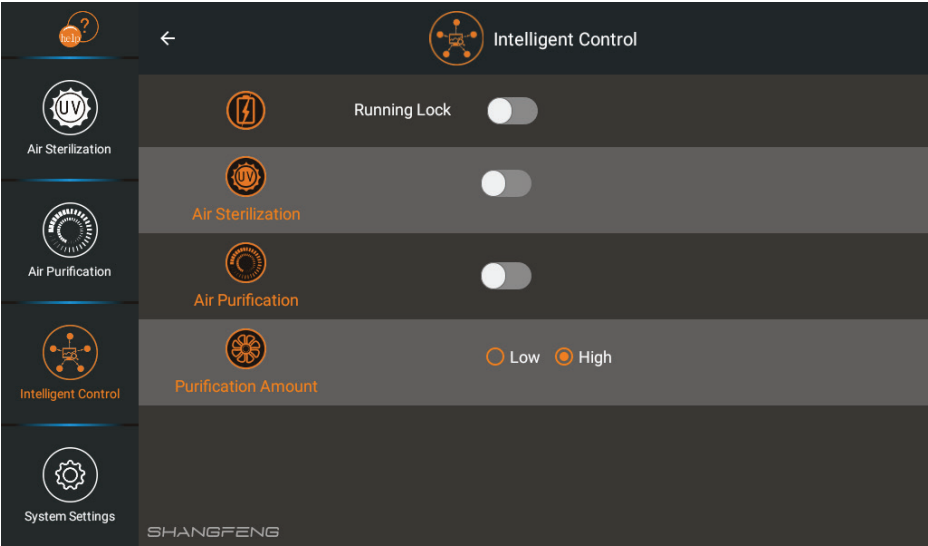


Figure-2

Brief Introduction of Touch Screen Functions

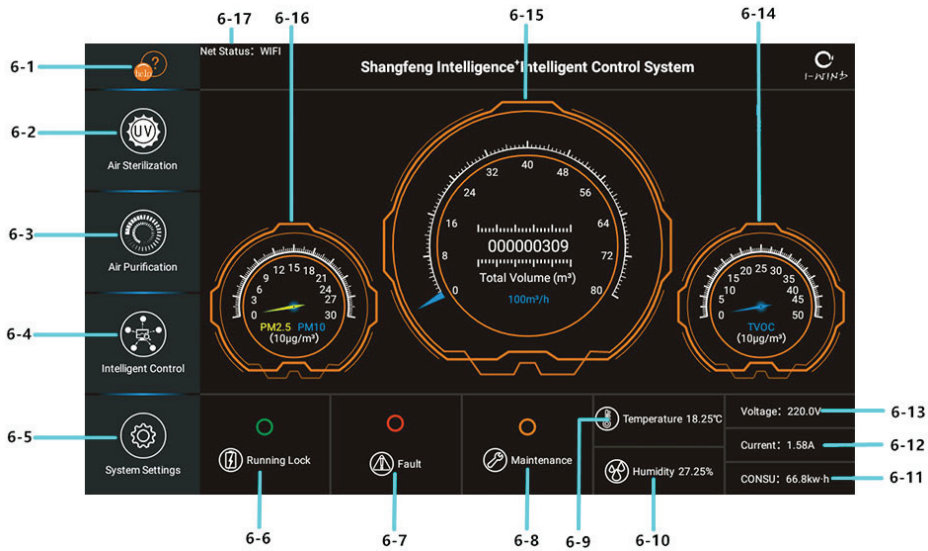


Figure-3



**Maintenance Tips:** When the equipment runs long enough, the equipment maintenance indicator 6-8 will light up, indicating that the equipment needs maintenance.

**Help Tips:** When users have questions about the using, operation and precautions of the equipment, they can touch the 6-1 help button for help query.

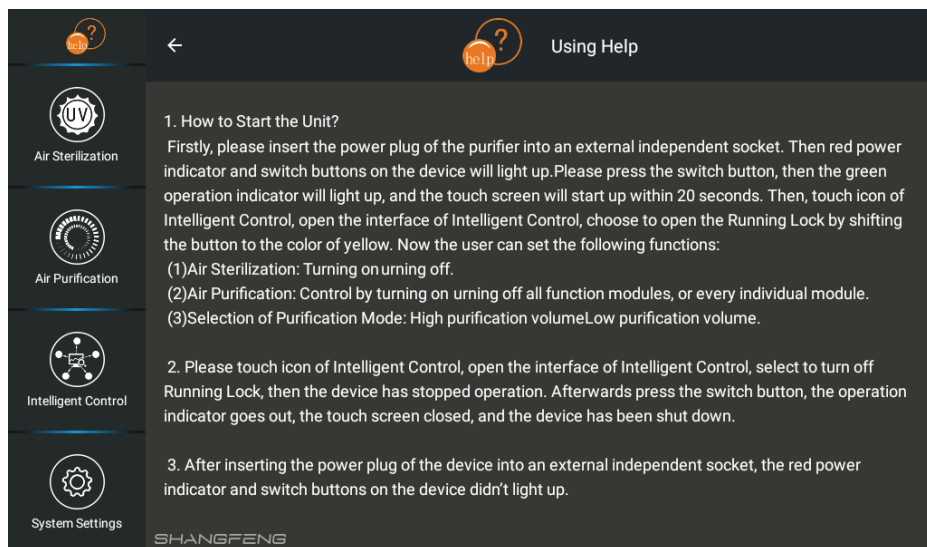


Figure-4

**Total purification capacity display:** Users can view the total air purification volume data through the data displayed by the 6-15 meter.

**PM2.5:** Users can check the PM2.5 value under the current operating environment through the data displayed by the 6-16 meter, yellow pointer.

**PM10:** User can view the PM10 value in the current running environment through the 6-16 meter display, blue pointer.

**TVOC:** Users can view TVOC values in the current operating environment through the 6-14 meter display.

**Temperature:** Users can view the current operating environment temperature values through the 6-9 meter display.

**Humidity:** Users can check the humidity value under the current operating environment through the 6-10 meter display.

**Air sterilization status:** Touch the 6-2 Air Sterilization icon to inquire the daily and monthly disinfection time, cumulative disinfection time and volume.

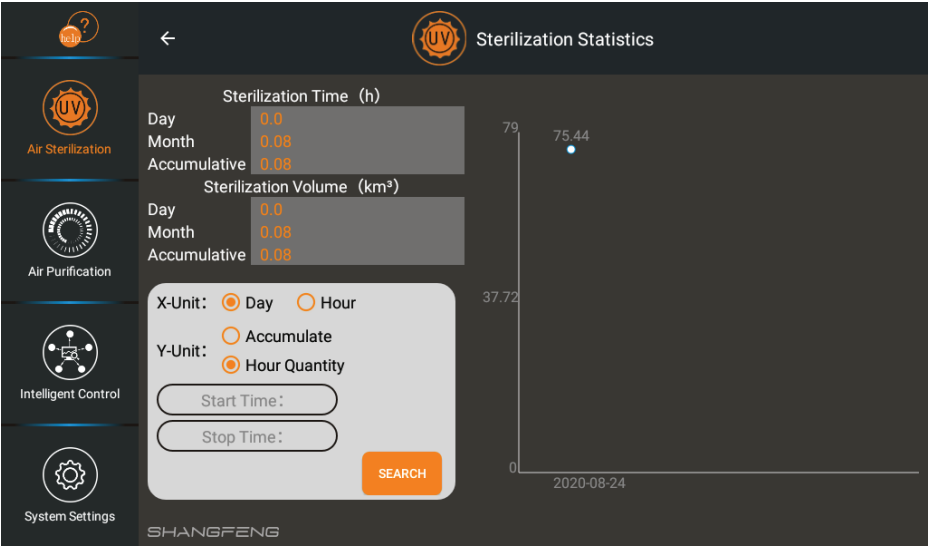


Figure-5

**Air purification status:** Touch the 6-3 Air Purification icon to query the daily and monthly purification time, cumulative purification time and volume.

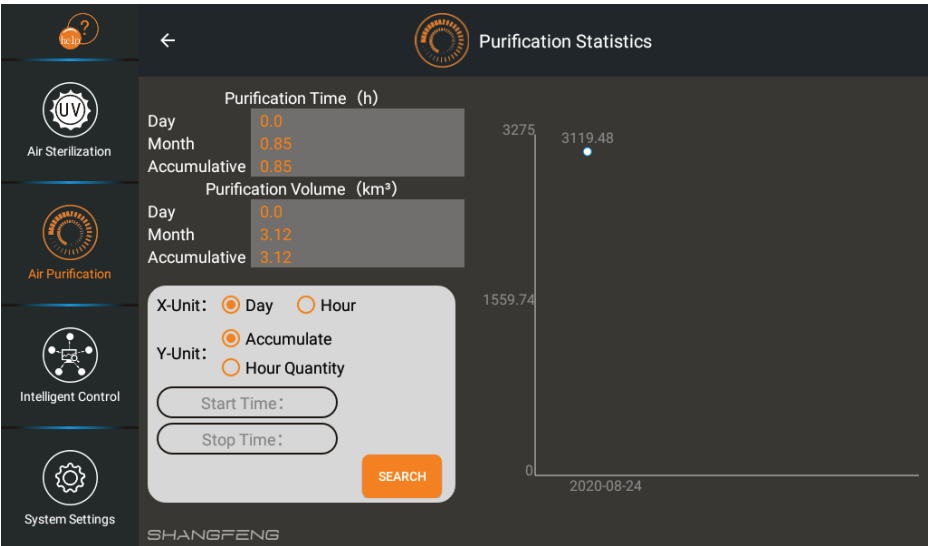


Figure-6

## Intelligent Control

Touch 6-4 Intelligent Control icon to set the following functions:

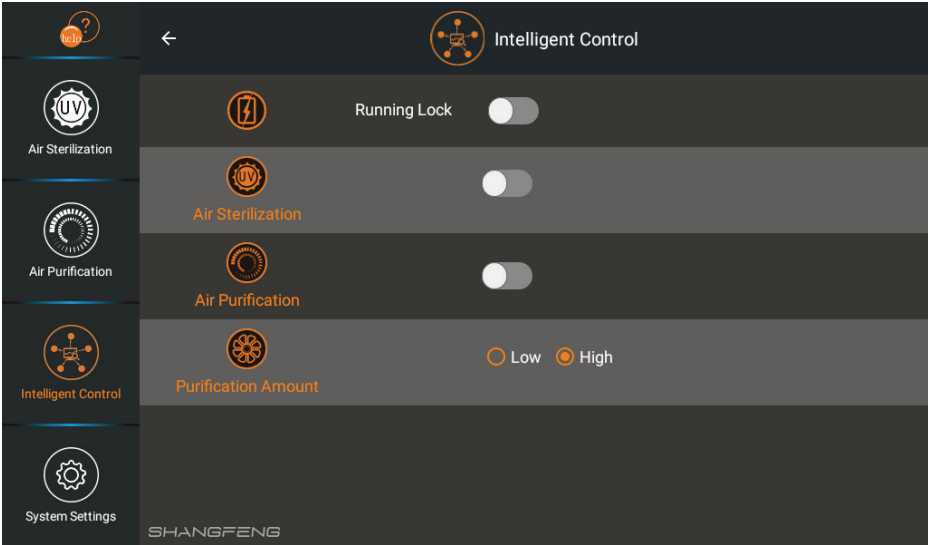


Figure-7

**Running Lock on/off:** Touch the running lock button to yellow to open the advertising screen; Touch the running lock button to gray and the advertising screen is closed.

**Air Sterilization on/off:** Touch the on/off button of Air Sterilization when the Running Lock of the device is open. Select the sterilization function to turn on or off.

**Air Purification on/off:** Touch the purification fully on/off button when the running lock of the device is on. Touch the group on/off button to select the purification function group on or off.

**Purification Amount:** Touch the purification amount adjustment button when the running lock is on to select high or low purification volume.

### System Setting:

Touch the system settings icon 6-5 to set the following functions:

**Running Mode:** Touch the running mode icon to select local operation or remote control.

**Timing:** In local operation mode, you can select the device to run regularly.

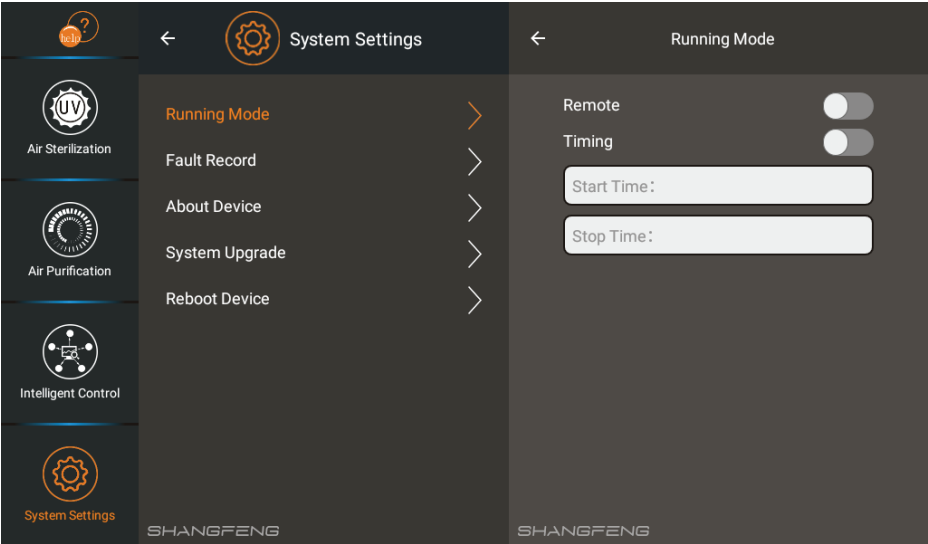


Figure-8

**Fault Record:** Touch this button to view the fault record;

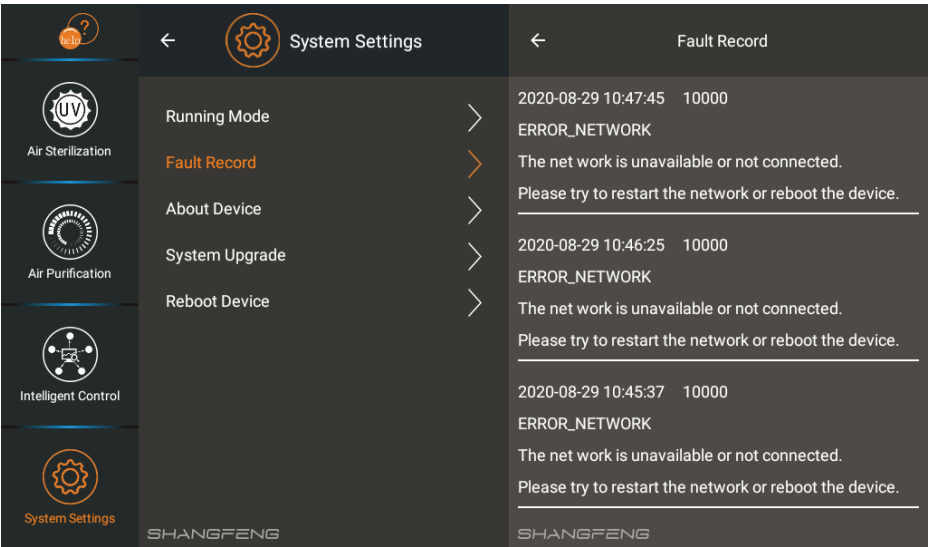


Figure-9

**About Device:** Touch this button to view information related to the device.

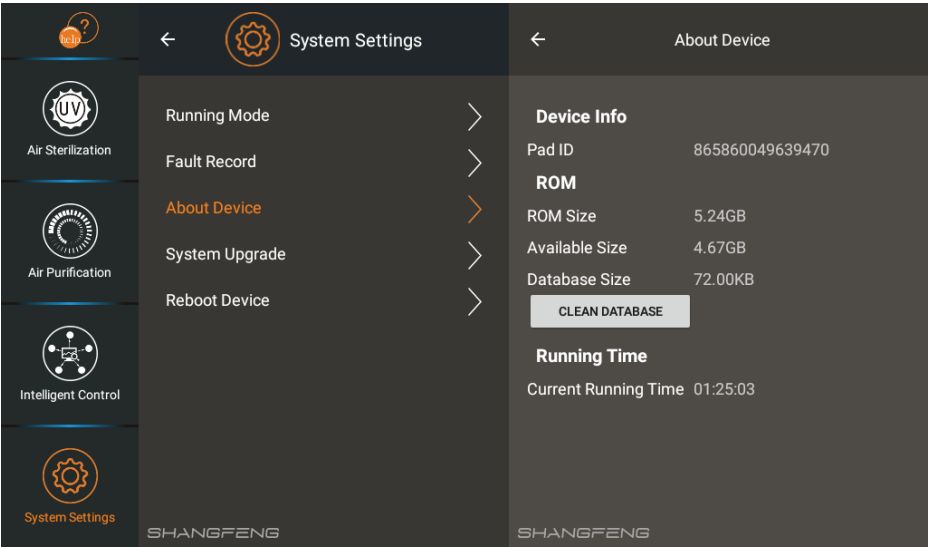


Figure-10

**System Upgrade:** When the device is connected to the Internet, touch this button to upgrade the system.

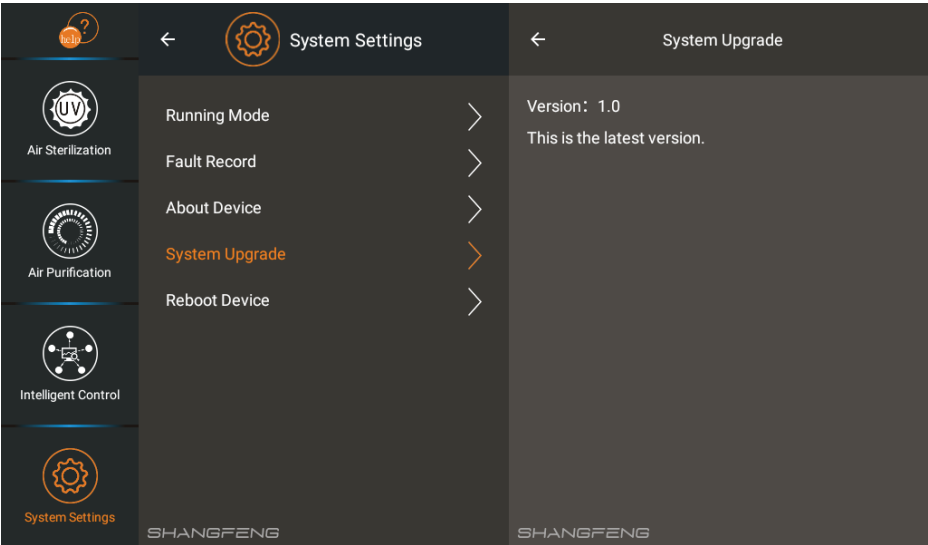


Figure-11

**Reboot Device:** Touch this button and confirm the dialogue to restart the device.

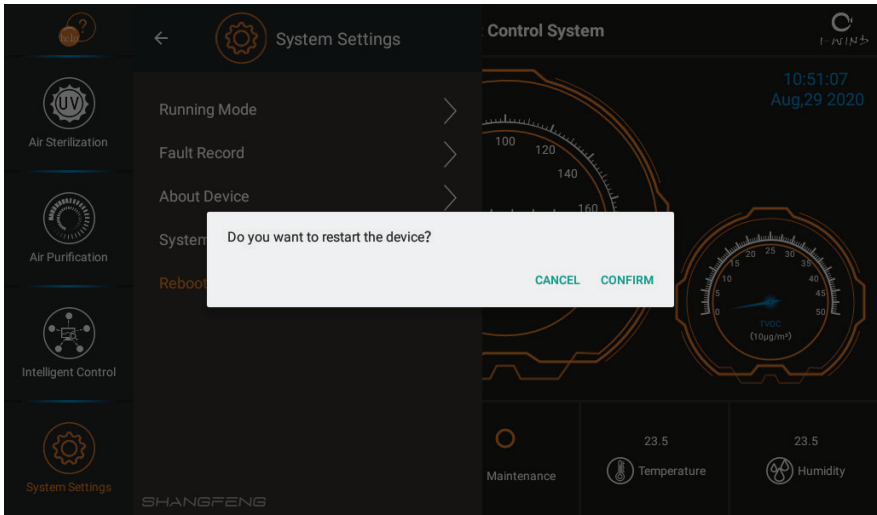


Figure-12

## Release and Broadcast of Advertisements

### Material Management

When uploading materials, the size of all materials should be controlled below 200M, and the picture materials should be compressed to about 1M. After uploading, the system will automatically review the uploaded content (pornographic, political and other unhealthy content will not be approved). Unapproved content will not be displayed in an AD Posting.

ID	Material_title	Material_url	Class_id	Size	Video_length	It_examine	Created_time	Operate
81	党委办		默认分组	1.13 MB	-	通过审核	2020-10-06 12:30:51	
80	双爱双兴		默认分组	138.16 KB	-	通过审核	2020-10-06 10:37:06	
79	广告招贴		默认分组	222.73 KB	-	通过审核	2020-09-30 16:48:36	
76	cc		默认分组	1.15 MB	-	通过审核	2020-09-29 16:53:16	
77	中秋主题		默认分组	1.81 MB	-	通过审核	2020-09-29 16:52:21	
76	10月生日		默认分组	800.02 KB	-	通过审核	2020-09-29 16:29:58	
75	大合唱111		默认分组	205.41 MB	00:03:03.24	通过审核	2020-09-23 09:21:11	
74	大合唱		默认分组	147.75 MB	00:01:47.84	通过审核	2020-09-23 09:19:44	
73	adver_半短版		无	97.15 MB	-	通过审核	2020-09-22 16:11:22	
71	adver_大短版		无	205.41 MB	-	通过审核	2020-09-22 15:58:07	

Figure-13

# Device Management

In the device management interface, all devices connected to the Internet are automatically displayed in the list. On the right side of each device are the **Upload**, **Play Control**, **Playlist** and **Edit** function buttons.

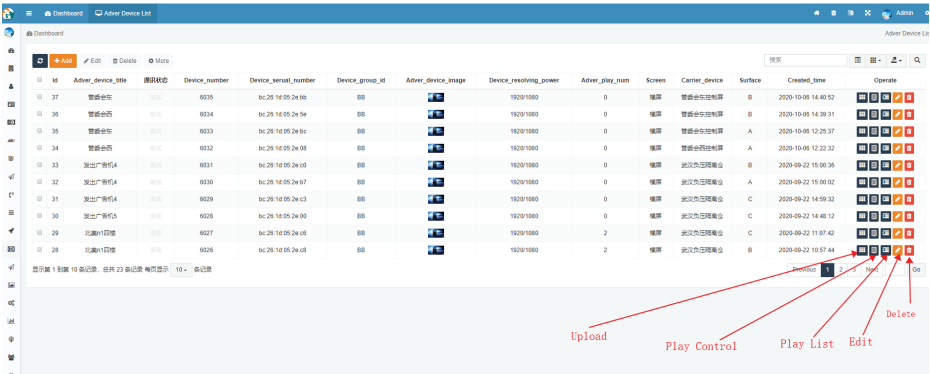


Figure-14

# AD Upload

Select the start and end times of the AD, and the nature of the AD material (picture, video). You can set the name of the material, playing time, mode, sort, whether to mute and other options.

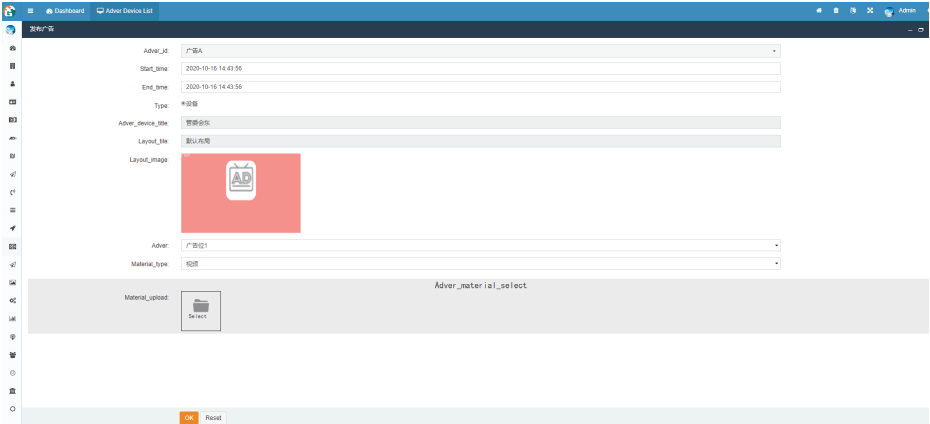


Figure-15

## Play Control

Click the play control button on the right side of the device to enter the play control interface. In the operation panel, you can control the volume of the device, pause, shut down, restart, time switch and so on.

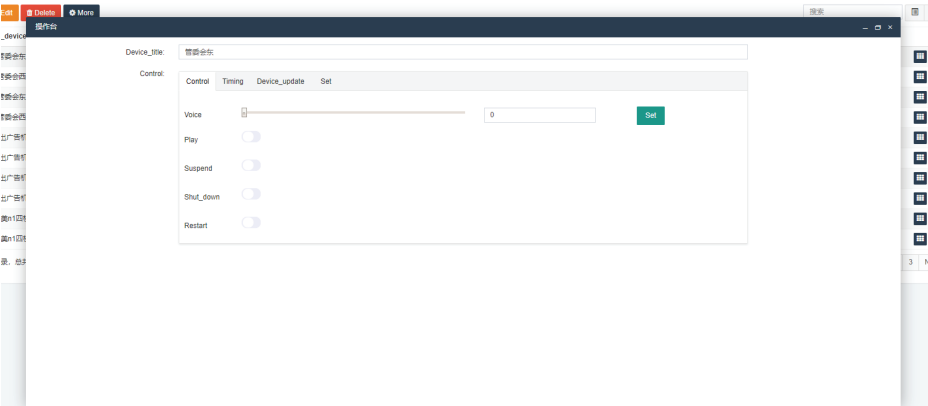


Figure-16

## Maintenance

In order to ensure the normal operation of the Air Disinfection & Purification Machine, users need to carry out daily maintenance of the equipment.

### Maintenance Tips

When the purifier reaches the condition of daily maintenance, the 6-8 maintenance indicator above the touch screen lights up, indicating that the equipment needs maintenance.

After the maintenance finished, touch the 6-8 maintenance indicator to enter the maintenance interface as shown in Figure-17. Touch the completed maintenance project, and the system can record the maintenance time and contents.



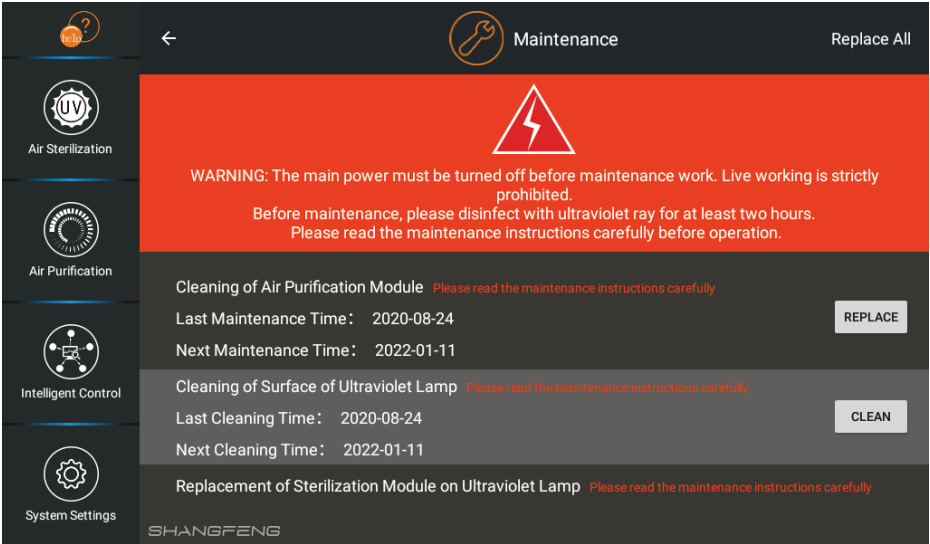


Figure-17

## Pre-maintenance Work

Before the daily maintenance of the purifier, it is required to turn on the 2-7 intelligent control icon and close all air purification modules to ensure that the air purification system is closed. Open the air disinfection module and keep the air disinfection continuously for more than 2 hours

Disconnect the plug from the external power supply. The maintenance work must be carried out in the equipment state of power-off.

## Maintenance Operation

When maintaining or replacing the power switch and exhaust system, open the upper access door for operation.

When maintaining or replacing the disinfection module and purification module, open the lower access door, and then open the buckle to take out the inner cabin sealing plate for operation.

When pulling out the disinfection module or purification module, part of the length of the purification module should be pulled out first. Remove all the disinfection module/purification module after pulling out the internal wiring plug.

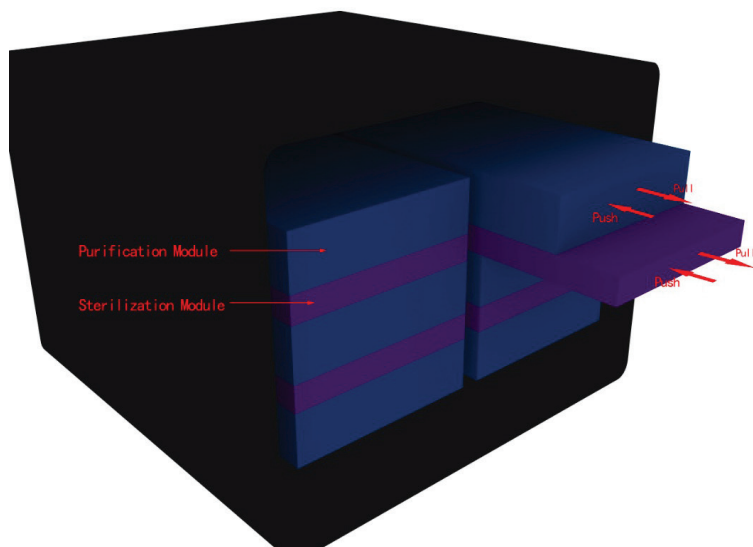


Figure-18

## Maintenance of Purification System

Draw out the purification module, place it in the cleaning area, clean the dust on the module with air pump and brush, or put it in a special cleaning pool, and rinse it with warm water mixed with detergent (daily use detergent) at 30°C ~ 40°C. The purification system should be maintained once the equipment has running 4-6 months or more than 4000 hours after last maintenance.

Important Note! Before maintenance, the disinfection module must work continuously for 2 hours, and the equipment maintenance can only be carried out under the condition of power off.

Note: Water washing mode is adopted. All cleaned modules must be dried thoroughly before reuse.

## Maintenance of Disinfection System

Draw out the disinfection module, place it in a cleaning area, and clean the dust on the ultraviolet lamp tube with a soft bristle brush or towel; The disinfection system should be maintained once the equipment has running 4-6 months or more than 4000 hours after last maintenance.

Important Note! Before maintenance, the disinfection module must work continuously for 2 hours, and the equipment maintenance can only be carried out under the condition of power off.

The service life of the ultraviolet lamp tube is 10000h. The ultraviolet lamp tube should be replaced after the service life. Otherwise, the disinfection effect will be affected.

Note: Please use the original parts and accessories when replacing the UV lamp.

## **Maintenance of Deodorization System**

Draw out the deodorization module and place it in the cleaning area. Use air pump to clean the dust on the module. The deodorization system should be maintained once the equipment has running 4-6 months or more than 4000 hours after last maintenance.

The deodorization system shall be replaced after running for 36 months.

Important Note! Before maintenance, the deodorization module must work continuously for 2 hours, and the equipment maintenance can only be carried out under the condition of power off.

Notes: Please use the original parts and accessories when replacing the deodorization module.

## **After-maintenance Work**

After the maintenance, install the purification, disinfection and deodorization modules in sequence to ensure the installation is in place;

Install the inner compartment sealing plate and lock it with the special key;

Install access door No. 7: Align the access door with the buckle, insert it from the top down, and install the access door to ensure firm installation;

After each maintenance, before use again, try to run for 5 minutes to ensure the normal operation of the purifier.

# Technical Parameters

Parameters		FAST-Y-90A-A
External dimension (mm)		1340(W)×2375(H)×1340(D)
Net weight (kg)		≤550
Voltage(V) / Frequency (Hz)		AC220/50
Power (KW)		≤2.0
Touch Screen (inch)		7
Total fan ventilation volume (m3/h)		1100
H1N1 Virus killing rate (%)		≥99.9
Staphylococcus white killing rate (%)		≥99.9
Air natural bacteria extinction rate (%)		≥90.0
Formaldehyde eliminate rate (%)		87.5
Benzene eliminate rate (%)		98.7
Operation mode		Local / Remote
Temperature		-10~+40℃
Installation requirements		Flat solid ground
Bottom wheel		Adjustable universal wheel
Notes	The total air volume of the fan is calculated according to the theoretical air volume of the fan equipment The effect of air disinfection and purification is based on the test report issued by a third party	

## **Safety Instruction**

In order to ensure safe, efficient and convenient use of FAST series air disinfection purifier, please read the following notes carefully.

## **External Power**

The external power supply must meet the technical parameters of the equipment and must be connected by a professional electrician. After the equipment is connected to the external power supply, it should run for at least 2 hours. It can be normally used after the trial run without defects

## **Usage Position**

The use position of the equipment should be flat and solid ground indoor and in a position conducive to the circulation of air.

## **Routine Maintenance and Inspection**

The user should carry out routine inspection of the equipment and make routine maintenance during the usage.

## **Pre-use Inspection**

There may be some loose fastening places in the transportation process of the product. It should be thoroughly checked before use to ensure that the product is firm and safe to use.

## **After-sales Service**

### **Warranty Period**

24 months from the date of purchase (invoice date) or operation time of 5000h, whichever comes first.

### **Warranty Coverage**

Under the conditions specified in the user manual, free maintenance or replacement service will be provided in case of failure and parts damage during normal use.

Note: If the user fails to maintain the equipment in accordance with the provisions of the user manual, the failure and parts damage caused are not covered by the warranty.

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### Technical Fault

If you plug in the external power supply according to the instructions, equipment cannot work normally. Please open the access door 8, check whether the power leakage protection switch is closed. If the equipment still cannot running normally, please be sure to first contact our after-sales service staff or authorized agents in order to avoid subsequent damage or safety hazard.

### System Upgrade

When the device is connected to the Internet, touch the system setting icon 5-14 on the touch screen, then touch the system upgrade button to upgrade the system. If the system cannot be updated, please contact our after-sales service or authorized agent as soon as possible.