Intelli-Pro Air Purifier
(Model: XJ-3800)

Instruction Manual
(Please read before using air purifier)
**Specifications**

- Plug Type: US 120V (120VAC/60HZ)
- Power: 80W
- HEPA Cleaning Efficiency: 99.97%
- Dimensions: 24 x 13.5 x 10 (in)
- Weight: 15 lbs.
- Maximum Air Volume: 106 cfm
- UV wavelength: 254 nm (germicidal wavelength)

**Functions**

- Odor and dust sensors for automatic air quality control.
- Sensors indicate when to replace filters and clean collector grid.
- UV light and negative ion indicator sensors.
- Long-lasting, high-efficiency HEPA filter - 99.97% collection rate.
- Electrostatically-charged plasma cell traps pollutants like a magnet.
- Activated Carbon Filter to adsorb chemicals, cigarette smoke and odors.
- Photocatalytic Filter (TiO2) to remove airborne chemicals, odors and bacteria.
- Germicidal UV (Ultraviolet) Lamp to destroy micro-organisms.
- Negative Ion Generator to circulate air-cleaning negative ions throughout the room.
- Washable pre-filter to collect larger particles and to prolong the life of the other filters.
- Powerful yet quiet fan for maximum air circulation.

**Cautions**

1. To prevent electric shock, do not dismantle, repair or modify this product beyond the instructions given in this manual. In case of malfunction, please contact Surround Air.
2. Do not use in places where flammable and explosive materials are stored.
3. Do not allow foreign objects into this device. High voltage inside the device may cause electric shock.
4. To avoid interference, this device should be placed at least 3 feet away from computers, televisions or radios.
5. Do not cover this device with fabrics or any other materials.
6. Do not use in places where flammable and explosive materials are stored. Do not subject to sunlight or high-temperature objects. Significant rises in internal temperature may cause fire or deformation of the outer shell. Stop operation when temperature exceeds 104°F.
7. Do not block the air inlet or outlet.
8. Do not move the device while it is in operation.
9. Make sure that all filters are in place before operating.
10. To prevent short-circuit or electric shock hazard, do not place the device in places that are wet or where water may potentially enter the unit.
11. Do not operate if the power cord is damaged.
12. To prevent fire or electric shock, unplug the machine from the electrical outlet under the following conditions: when it is not operated for long periods, while cleaning or replacing filters or UV bulbs, or when the machine is being moved.
Diagram - External

- Air Outlet
- Dust Sensor
- Air Inlets
- Bottom Stand

Control Panel

- Odor Sensor

- Power
- Timer
- Flow
- Clean Monitor
- Clean Monitor
- Odor Sensor
- Replace Filter
**Before Using**

1. Run the unit for a couple hours or more.

2. During this time, also increase ventilation in the room as much as possible, even opening a window if the air outside is at least fairly clean.

3. Unplug the Intelli-Pro, then immediately plug it in, turn it on, and resume operation.

**Note:** Unplugging the Intelli-Pro, then plugging it in again resets the clean air sensor’s memory. By first ensuring the air is as clean as possible, and then immediately resetting, the sensor will be more accurate once you resume normal operation.

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**Placement**

- Since the Intelli-Pro uses a fan, and generates a strong current of air out the top of the unit, it is not necessary to place the unit at a high elevation. It can be placed on the floor, on a table, a countertop, or anywhere else it rests sturdily and comfortably.

- The back of the Intelli-Pro should be at least 8 inches away from the wall to prevent discoloration of the wall. Also, there should not be any obstructions above the air outlet on top of the unit. There should be at least 2 feet of space between the top of the air purifier and any object or surface above it.

- Keep the Intelli-Pro at least 3 feet away from computers, televisions, and sensitive electrical equipment, and two feet from occupants in the room while in operation.

- To the extent possible, it is optimal to place the Intelli-Pro in areas: 1) nearest the source of airborne pollutants, 2) where airborne pollution is strongest, and 3) where affected persons spend most of their time.
Explanation of Indicators

UV/Negative Ion Indicator
When the UV lamp and ionizer are working properly, the blue indicator will gradually change from bright to dim and from dim back to bright every 5 seconds.

Odor Indicator
The odor indicator will glow whenever the odor sensor detects odor (such as indoor smoke).

Dust and Allergen Indicator
The dust-and-allergen indicator will glow whenever dust or other allergens are detected.

Clean Air Monitor
Whenever odor, dust, or irritants are detected, the clean air monitor function will indicate the level of pollution. When pollution is severe, all four LEDs will glow.

How to Operate

Place at least one foot away from the nearest wall.

How to Start
Plug into a proper socket. Press the POWER ON/OFF button. The Power button and the UV / Negative Ion Indicator will be lit. Press POWER ON/OFF again and the device will stop working.

Fan Modes
This device has five different fan modes to choose from. Please choose a proper level of circulation according to your indoor air quality and room size. When you press FAN, the fan mode will change with each press of the button. The LED will show which of the following modes is selected:

- QUIET
- LOW
- MED
- HI
- AUTO

Automatic Operation
Keep pressing the FAN button until automatic operation is selected (the LED will show AUTO). Under automatic operation, the device automatically switches to the proper fan speed (MED or LOW) according to the level of odor, dust, or irritants in the air as detected by the sensor. As the air is purified, the device will automatically switch back to LOW or QUIET modes.

Timer
Press AUTOTIMER button to set operation timing. Under the AUTOTIMER function, the operation timing will be set according to the number of times you press the AUTOTIMER button. The LED will show which of the following time periods is selected:

- 1 HOUR
- 2 HOUR
- 8 HOUR
Cleaning and Maintenance

During cleaning and maintenance, please turn off and unplug the device.

It is recommended to perform cleaning and maintenance at least every 2 to 3 months.

Disassembling the Air Purifier
Carefully lay down the device with its front facing up, take down the device according to the following 5 steps (Put the device back together with the same steps but in opposite sequence):

1. Removing the front cover
   - Please attach firmly at the connecting locations
   - Press the locking tabs on both sides of the device
   - Gently lift up the front cover
   - When assembling
     - Firmly reconnect the front cover back to its original position
     - Ensure the two locking tabs are attached immovably

2. Removing the plasma dust collector
   - Push the plasma dust collector towards the base of the device. Use your foot or knee if needed to hold the base in place.
   - Push the two tabs inward and lift up the dust collector. Hold the top of the unit (where the control panel is) down to help pull out the collector grid.
   - When assembling
     - Push the plasma dust collector towards the bottom of the device
     - Insert into position A

3. Removing the front filter
   - Hold position A and lift up the front filter
   - When assembling
     - Attach the filter to the connecting locations on the side
     - Fasten the filter on the front connecting locations

4. Removing the high-performance filter
   - Do not reverse the front and back of the filter
   - Place your hand into position A and pull out the filter.
   - When replacing the filter, please install the filter according to the exact front-and-back direction as indicated on the sides of the filter. Do not reverse the front and back of the filter.

5. Removing the TiO₂ Filter
   - Hold the clips of both sides to pull out the filter.
Cleaning and Maintenance

**Dust sensor cover**
- Use a dry cloth to rub off all dust on the sensor cover

**Front filter**
- Can be cleaned with running water
- Do not clean with hot water

**Unit front cover**
- Can be cleaned with running water
- Please use a soft cloth to clean and avoid scraping off the paint on the cover
- Avoid cleaning with hot water or rubbing with excess force. Otherwise, damage can occur.

**Unit body**
- Remove UV lamp before cleaning
- Use a dry cloth to rub and clean

To find out how to disassemble front cover and filters, please refer to the instructions on page 7.
Cleaning and Maintenance

Cleaning and Maintenance of Plasma Dust Collector Grid

It’s time to clean when:
- The “Clean Metal Grid” indicator is glowing or blinking.
- The metal dust collector grid is making a zapping sound.
- The air purifier has been out of use for awhile.

1. Remove the front filter and the plasma dust collector grid.

2. Lift up the tab at the top of the plastic housing for the metal dust collector grid. Once this tab is open, remove the dust collector. Please wear protective gloves to avoid any cuts on your fingers.

3. Clean the plasma dust collector:
   - Use dish detergent.
   - Use a scouring pad or toothbrush to clean the dust collector.
   - Use warm water.

4. Cleaning the discharge wire:
   - Gently wipe any dust build-up on the wires with your fingers.
   - If it is hard to eliminate all dirt, presoak with diluted detergent and then use a toothbrush to scrub.
   - Please beware not to damage any wiring while cleaning the dust collector.
   - If any electrical discharge wire is broken, the device will lose part of or all of its dust collecting function.
   - Any broken wire should be thrown away instead of being left inside the unit. Otherwise, a short-circuit or high-voltage spark could occur. Also, the circuit control of the device would be affected.
   - Please contact Surround Air for additional electrical discharge wire.
   - Please do not clean using acidic or alkaline detergent that can create rust on the surface of the device.

5. Thoroughly clean and dry:
   - After cleaning, please completely dry the unit before use. Otherwise, it could cause electrical shock or malfunction.
   - If the front cover of the plasma dust collector is not properly installed, no electricity will be connected.
   - Please make sure the plastic wrap for the electrical discharge wire is located at its proper position.
Cleaning and Maintenance

Replacing Filters
Change the HEPA/Carbon combination filter when the REPLACE FILTER indicator is glowing. Please refer to page 7 on how to replace filters.

Replacing UV Lamp
The life span of UV lamp is about 8,500 hours (or 1 year). Replace UV lamp when it is damaged or when no residual blue glow is observed. Remove the front cover, the plasma dust collector and filters before replacing the UV lamp. Refer to page 7 on how to disassemble. Softly twist the UV lamp, remove the lamp tube from its position, and insert a lamp tube of the same model.

Resetting
After cleaning and replacing filters, reset the CLEAN METAL GRID and REPLACE FILTER indicators. Otherwise the two indicators would remaining glowing after turning the unit back on. While resetting, the unit should remain plugged into the socket. The air purifier itself should be turned off while performing this action. The RESET button is inside the unit (cannot be reached with finger). Use a toothpick or other sharp object to push the RESET button.

Resetting the CLEAN METAL GRID Indicator
When the unit is turned off, the resetting process for CLEAN METAL GRID indicator is done by pushing both the RESET and the TIME buttons at the same time.

Resetting the REPLACE FILTER Indicator
When the unit is turned off, the reinstating process for the REPLACE FILTER indicator is done by pushing both the RESET and the FLOW buttons at the same time.
Cleaning and Maintenance

Cleaning and Maintenance of the Dust and Pollutant Sensor

The dust sensor will need to be cleaned periodically. If the Dust and/or Allergen Indicator continues to remain lit, this may be a sign that the dust sensor needs to be cleaned. A dirty dust sensor may also prevent the air purifier from lowering to Low or Quiet while in Auto operation.

Cleaning Steps

1. Remove the front cover along with the dust sensor cover.

2. Remove the dust sensor and carefully unplug its connecting cord. Make note of how it is plugged in.

3. Unscrew the sensor cover using a small screwdriver. Remove the cover and sensor.

4. Thoroughly clean the sensor (especially the emitter, receiver and transparent part) and the sensor box.

5. Put the sensor back into its correct place after cleaning and make sure you plug it in the proper way.
Frequently Asked Questions

Clean Air Monitor
Q. Why does only one LED light glow under “Clean Air Monitor”?
A. First, the air may have been clean the whole time. Or, the air purifier may be positioned where the sensor is too far away from the airborne pollutants and irritants. If this is the case, relocate the unit where it is closer to the source of indoor air pollution. To test the sensor, stir dust or increase pollution near the sensor. If the level of pollution goes up when this is done, then the sensor is operating properly.

Q. Why is there always two LED lights glowing under “Clean Air Monitor”?
A. There are multiple possibilities for this. One possibility is that polluted air from outside the room is being circulated into the room where the Intelli-Pro is located. Another possibility is that a constant amount of pollution is being created within the room, such as from smoking. It is also important to note that it can take some time to clean the room to the point where only one LED light is on, indicating the air around the Intelli-Pro is purified.

Q. Why does the “Clean Air Monitor” function keep switching back and forth?
A. The Pollutant Sensor can be affected by a cell phone or other wireless equipment. Keep cell phones and other wireless equipment away from the unit.

Dust and Pollutant Sensor
Q. Why does the Dust and Pollutant Sensor keep blinking?
A. The top of the sensor has accumulated too much dust, and needs to be cleaned. Please refer to the previous page of this manual for instructions on cleaning the sensor.

Odor Sensor
Q. Why doesn’t the Odor Sensor work?
A. The sensor memory needs to be reset. Refer to page 5 under Before Using. When first purchased or when the unit has been unplugged for over a week, the sensor will not be as sensitive. After 1 to 2 days of operation, the sensor will regain its sensitivity.

Filter
Q. Why is the filter struggling to remove dust and odors?
A. Make sure the front and back of the filter have not been mistakenly reversed. If not, it could be time to replace the filter.

Metal Dust Collector Grid
Q. Why is it so difficult to eliminate dust and odors?
A. The electrical discharge wires may be dirty. Please refer to page 6 for cleaning and maintenance instructions. Check the electrical discharge wires to make sure they have not been disconnected or broken. If they are, please fix or contact Surround Air for a replacement.

Air Purifier Will Not Turn On
Q. Why is the unit not working even after turning it on?
A. Make sure it is firmly plugged into the wall socket. Make sure the filters, metal dust collector and front cover are properly in place after cleaning or changing a filter or UV lamp.
**Warranty**

**What is covered:** All parts defective in material and workmanship.

**Exclusions:** Regular replacement parts such as air filter cartridges and UV lamps.

**For how long:** Three years from purchase date.

**What we will do:** Repair or replace any defective parts.

**What you must do:**
1. Go to the following web address and fill out the form located on this page:
   www.surroundair.com/return-form/
2. After receiving your shipping instructions, pack the product in its original carton, and in the same manner in which you received it, or as identical as possible.
3. Include proof of purchase inside box.
4. Label and ship the unit, freight prepaid, to the address provided.

**Other Conditions**
The provisions of this warranty are in lieu of any other written warranty, whether express or implied, written or oral, including any warranty of merchantability or fitness for a particular purpose. The manufacturer’s maximum liability shall not exceed the actual purchase price paid by you for the product. In no event shall the manufacturer be liable for special, incidental, consequential, or indirect damages. This warranty does not cover a defect that resulted from improper or unreasonable use or maintenance, accident, improper packing, or unauthorized tampering, alteration, or modification as determined solely by us. This warranty is void if the label bearing the serial number has been removed or defaced.

**90-Day Replacement Policy**
If any part requires repair during the first 90 days after receiving your air purifier, due to manufacturer defect, then Surround Air will replace it with a new machine.

**What you must do:**
1. Go to the following web address and fill out the form located on this page:
   www.surroundair.com/return-form/
2. After receiving your shipping instructions, pack the product in its original carton, and in the same manner in which you received it, or as identical as possible.
3. Include proof of purchase inside box.
4. Label and ship the unit, freight prepaid, to the address provided.

**Spare Parts**

1. HEPA/Activated Carbon Combination Filter
2. Germicidal UV Lamp
3. TiO2/Photocatalytic Filter

**Where to Buy**

Surround Air
http://www.surroundair.com
Toll Free: 888.812.1516