



1. Information on ATMOX Power Booster

- The Power Booster is designed to provide power for additional fans beyond the available power of an ATMOX ATTIC, SMART, FLEX or EZ System or ATMOX Power Supply. The Power Booster must be used with one of these to be operational.
- The Power Booster has 150 Watts and can power ATMOX DC Fans. The maximum number of fans will depend on the watts of each fan. See details on each fan on ATMOX DC-Powered Fan Specification Sheet.

The following item will be needed:

- **14 Gauge** Landscape lightning **cables** (Low voltage cable). Length depends on size of your house. These low voltage cables are normally found in the hardware section where landscaping lights are sold.

Note: There is a **limit** to how far DC current will travel without a considerable loss in voltage. If the circuit is more than 100 ft long we recommend splitting it into a “Y” configuration.

2. Installing the Power Booster

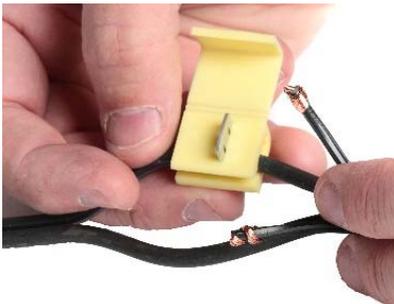
2.1 Install ATMOX ATTIC, SMART, FLEX or EZ System or Power Supply

Follow all installation directions for ATMOX System or Power Supply. There should be low voltage 14 gauge cable connected to the ATMOX System or Power Supply with red and black banana plugs.

2.2 Connecting the Power Booster (Two Options)

Option One:

1. Based on your layout, you will need to find the best location to install Power Booster. It can be anywhere along the low voltage cable line that is connected to the ATMOX System or Power Supply.
2. Use the special wire labeled for power booster with the blue and black banana plugs with two yellow snap splices.
3. At the power location, the Power Booster will be installed in the same manner as one of the fans. Separate/split the 14 gauge cable in the middle for about 6 inches. Use a knife to split the wire.
4. Take the special wire that is provided. **The wires are already prepped and should not be cut off.** If you do cut the wires, then you will need to strip 1 inch of wire insulation from fan connector wire and twist the copper back onto itself over the insulation on each side. This is important to make sure that there will be a proper connection.
5. Mount the yellow banana clips (provided).



- a. Take your negative (-) wire (with the grooves) on low voltage cable and insert into the banana clip so that it goes completely through the clip. Then take the fan wire and take the cable that is smooth and insert into the banana clip so that it is on the side that goes halfway through. Take pliers to push the metal down into the wire. Then close up the cover on the clip.
 - b. Take the positive (+) wire (with the markings ----) on low voltage cable and repeat the same step as (a) using the connector wire cable that has the groove on it
6. Plug the blue and black plugs from the connector wire into the jacks on the bottom of the Power Booster.



Option Two:

7. Based on your layout, you may want to place the Power Booster near to the Control Box/Power Supply of the ATMOX System. In this option, you will connect the Power Booster directly to the other control box instead of “downstream” on the wire line.
8. Use the special wire labeled for power booster with the blue and black banana plugs.
9. Use the ends of the wire to add the provided red and black banana plugs. The black banana plug should match up to the side of wire that has the black banana plug on the other side. The red banana plug will match up to the blue banana plug side. (See details in Section 2.3 on adding plugs.)
10. Plug the blue and black plugs from the connector wire into the jacks on the bottom of the Power Booster.



11. Plug the red and black banana plugs into the plugs on the ATMOX System or Power Supply. It can be plugged on top of the existing plugs being used with primary power supply. For ATMOX ATTIC System, ATMOX EZ System and Power Supply, it will be plugged over red and black plugs. For ATMOX FLEX and SMART System, the power booster can be used for external fans (red code) or internal fans (orange code.) The fans being installed on the Power Booster line must all be on the same code. (The Power Booster can be used in either code even if the banana plugs are red.)



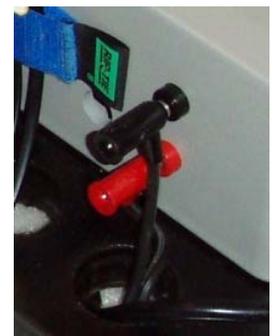
2.3 Steps for hooking up fans to low voltage cable

Note: This is the same as when installing fans to the ATMOX System or Power Supply.

1. Use a low voltage 14 gauge cable.
2. Connect the red and black banana plugs to the end of the cable
 - a. On one end of wire, pull the two strips apart about 2-3 inches down.
 - b. Strip the ends of the wire to prepare them for banana plugs.
 - c. From the cable, select the wire with the grooves on the side. Use this as the negative (-) side. Mount the black banana plug on this side.
 - d. Use the cable with the markings (----) as the positive (+) side. Mount the red banana plug on this side.
 - e. The banana plugs mount by inserting the cable and then tightening the screw on the back until it holds tight.



- f. Note: These plugs are already mounted on the wire if purchased from ATMOX. Also, if you purchase cable on your own and the markings are different, it doesn't matter as long as you are consistent with a positive and negative side.
- g. The jacks for the banana clips are color-coded on the power supply. They should only be connected AFTER the wires are all hooked up to the fans.



3. Inside the crawspace begin pulling the wire through the crawspace going around to all the locations where the fans will be located. To keep the wire out of the way and off the ground, staple the wire or use nailing clips to secure the wire to the joists. Leave extra slack at each fan location to work with the cable.
4. At the fan location, separate/split the 14 gauge cable in the middle for about 6 inches. Use a knife to split the wire.



5. Take the fan wire that is provided. **The wires are already prepped and should not be cut off.** If you do the cut the wires, then you will need to strip 1 inch of wire insulation from fan connector wire and twist the copper back onto itself over the insulation on each side. This is important to make sure that there will be a proper connection.
6. Mount the yellow banana clips (provided).

Note: Depending on fan type, there are two different types of fan connector wires. Fan information will indicate which jack is to be used. If you are using different types of fans with two different wire connectors, they will be labeled.

For fans using 2.1mm Connector Jack:

- a. Take your negative (-) wire (with the grooves) on low voltage cable and insert into the banana clip so that it goes completely through the clip. Then take the fan wire and take the cable with the white on it and insert into the banana clip so that it is on the side that goes halfway through. Take pliers to push the metal down into the wire. Then close up the cover on the clip.
- b. Take the positive (+) wire (with the markings -----) on low voltage cable and repeat the same step as (a) using the fan wire cable that does not have the white on it

For fans using 2.5mm Connector Jack:

- a. Take your negative (-) wire (with the grooves) on low voltage cable and insert into the banana clip so that it goes completely through the clip. Then take the fan wire and take the cable that is smooth and insert into the banana clip so that it is on the side that goes halfway through. Take pliers to push the metal down into the wire. Then close up the cover on the clip.
- b. Take the positive (+) wire (with the markings -----) on low voltage cable and repeat the same step as (a) using the fan wire cable that has the groove on it



7. Plug the coax cable from the fan wire into the jack on the back or side of the DC fan



8. Repeat steps 4 through 7 for each fan.
Test the fans to make sure that they are all working properly.

LIMITED THREE-YEAR WARRANTY

When installed, operated, used and maintained as intended in residential applications and according to the instructions supplied with ATMOX products, ATMOX warrants its products for a period of 3-years from the date of purchase against any defects in material and workmanship. The products covered by this warranty include the control boxes, fans, sensors and wiring manufactured by ATMOX. ATMOX will repair or replace, at ATMOX's option, any ATMOX product or component found to be defective within the 3-year warranty period.

ATMOX products are designed to improve conditions in the crawlspace, basement or attic, yet are limited by atmospheric and natural conditions over which ATMOX has no control and which are not covered by this warranty. ATMOX products are not warranted against damage caused by electrical surges, fire or other casualty, vandalism, or acts of God (including lightning strikes and floods). This warranty does not make representations regarding mold, insects, termites, water, rot, electrical, HVAC, roof, framing, foundation, floors, drywall, gutters, ice dams or other problems that may occur in a house structure. The warranty does not include any costs of removal or reinstallation.

Third-party products by other manufacturers sold by ATMOX (such as dehumidifiers) are not covered by this warranty but may be covered under separate warranties by the product's manufacturer. Purchaser should contact third party manufacturers for warranty claims and coverage of third-party products not manufactured by ATMOX.

ATMOX INC'S LIABILITY UNDER THIS LIMITED WARRANTY IS STRICTLY LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE ATMOX PRODUCTS. OTHER THAN THE WARRANTIES EXPRESSLY DESCRIBED HEREIN, ATMOX DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ATMOX WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow certain limitations and exclusions of warranty, so these exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Contact Information and to Obtain Warranty Coverage

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