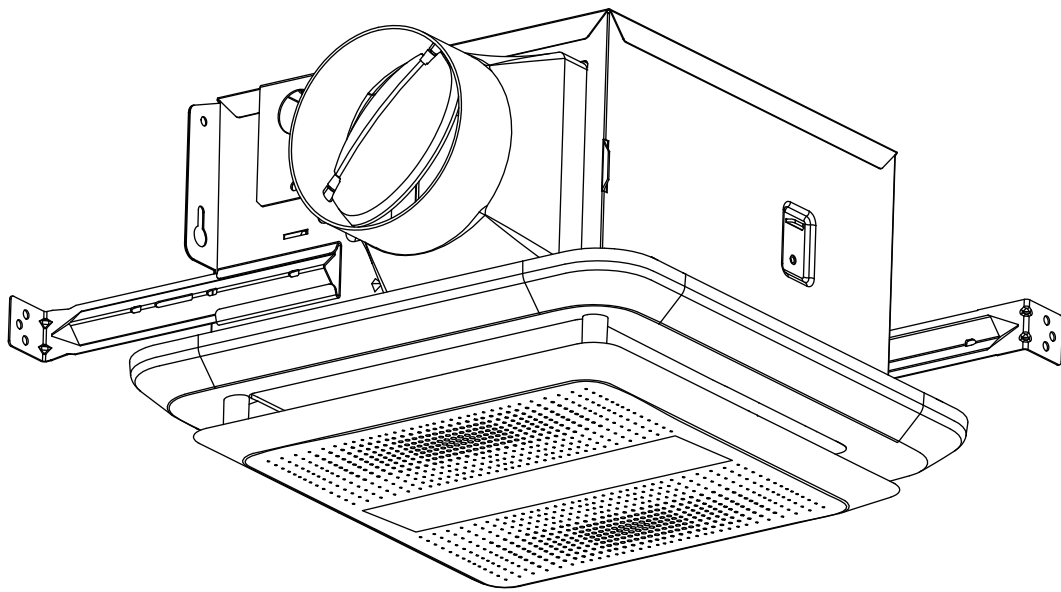




USE AND CARE GUIDE

Model: AK-SNP80-W



Bathroom Exhaust Fan With Bluetooth Speaker

akiconhvac.com

NOTICE:

Installer: Leave this guide with the homeowner

Homeowner: Keep this guide for future reference

Read and save these instructions



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SAFETY INFORMATION

PLEASE READ AND UNDERSTAND THIS ENTIRE MANUAL BEFORE ATTEMPTING TO ASSEMBLE, OPERATE OR INSTALL THE PRODUCT.

1. Always disconnect the power supply prior to servicing the fan, motor or junction box.
2. Follow all local building, safety and electrical codes as well as NEC (National Electrical Code) and OSHA (Occupational Safety and Health Act).
3. Electric Service supply must be 120 volts, 60 hertz.
4. This product must properly connect to the grounding conductor of the supply circuit.
5. Do not bend or kink the power wires.
6. Do not use this fan with any solid state control device, such as a remote control, dimmer switch, or certain timers. Mechanical timers are not solid state devices.
7. Do not install in a ceiling with insulation greater than R40.
8. Duct work should be installed in a straight line with minimal bends.
9. Duct work size must be the same size as the discharge and should not be reduced. Reducing the duct size may increase fan noise.
10. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application. When the fan is going to install in the bathroom, the fan and the tub need to be more than 1.0 meter between each other, the fan required to install at the other side of the tub in ceiling. Acceptable for use over a bathtub or shower when installed in a GFCI protected branch circuit (ceiling installation only).



WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

Use this unit in the manner intended by the manufacturer. If you have any questions, Please call customer service.



WARNING: Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.



WARNING: Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.



WARNING: Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) and local code authorities.



WARNING: When cutting the ceiling, do not damage electrical wiring and other hidden utilities.



WARNING: Ducted fans must always be vented to the outdoors.



CAUTION: For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.



CAUTION: Not for use in cooking areas.



CAUTION: To reduce the risk of injury to persons, install the fan at least 7 ft. (2.1 m) above the floor.



CAUTION: This product is designed for installation in ceilings up to a 12/12 pitch (45 degree angle). Duct connector must point up.
DO NOT MOUNT THIS PRODUCT IN A WALL.



CAUTION: Do not let plaster dust or any other construction residue enter the fan. During construction or renovation, cover the fan.



CAUTION: Combustible products used for cleaning such as acetone, alcohol, ether, or benzol are highly explosive and should never be used close to the fan.

LIMITED 3-YEAR WARRANTY

If this product fails due to a defect in materials or workmanship at any time during the first ONE years of ownership the manufacturer will replace it free of charge, postage-paid at their option. This warranty does not cover products that have been abused, altered, damaged, misused, cut or worn. This warranty does not cover use in commercial applications. Use only manufacturer-supplied genuine warranty repair replacement parts to repair this fan. Use of non-genuine repair parts will void your warranty. The manufacturer DISCLAIMS all other implied or express warranties including all warranties of merchant ability and/or fitness for a particular purpose. As some states do not allow exclusions or limitations on an implied warranty, the above exclusions and limitations may not apply. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

This warranty is limited to the replacement of defective parts only. Labor charges and/or damage incurred during installation, repair, replacement as well as incidental and consequential damages connected with the above are excluded. Any damage to this product as a result of neglect, misuse, accident, improper installation or use other than the purpose SHALL VOID THIS WARRANTY.

Shipping costs for return product as part of a claim on the warranty must be paid for by the customer.

Inquiries regarding warranty claims can be directed to +1(888) 828 2025, 8 a.m.- 6 p.m., EST, Monday- Thursday, 8a.m.- 5p.m., EST, Friday

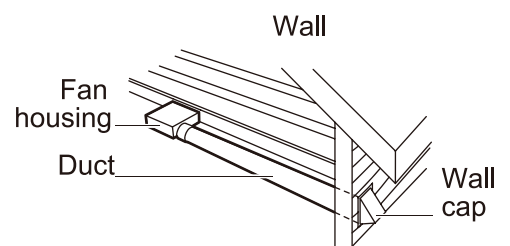
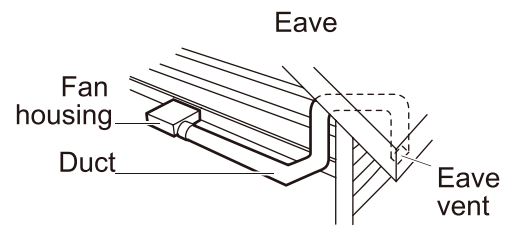
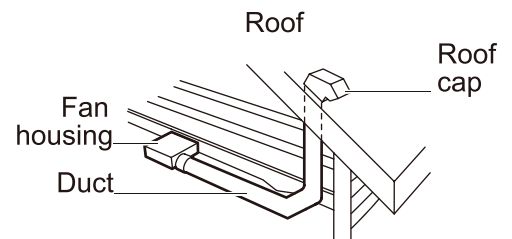
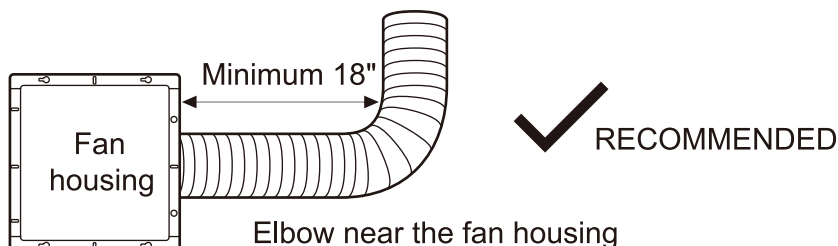
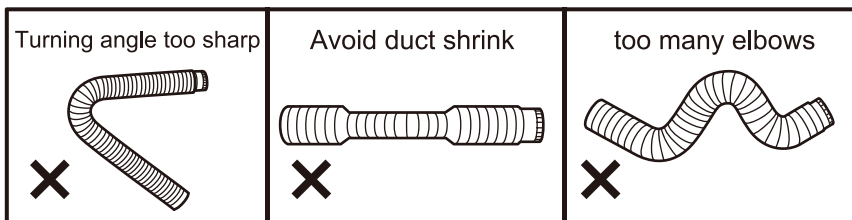
PRODUCT SPECIFICATIONS

Airflow: 80 CFM	LED light: 11W
120 V, 60 Hz	Weight: 7.7 lbs.
Duct diameter: 4 in	Ceiling opening dimension requirements:
Sound output: 0.7 Sones	9.25 in. (L) x 9.25 in. (W) x 6 in. (H)

TYPICAL INSTALLATION

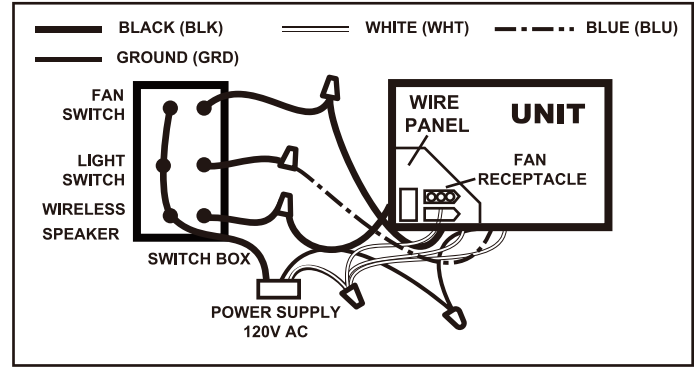
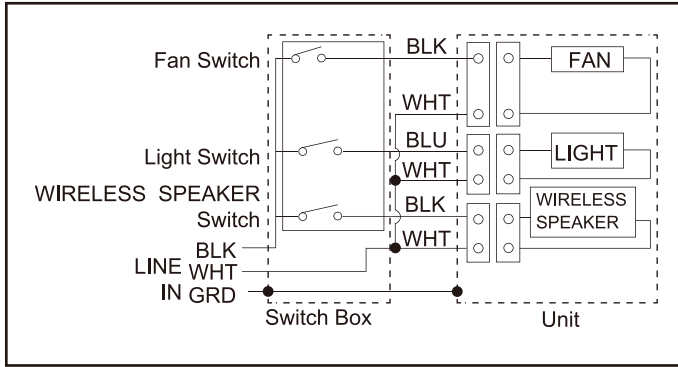
The ducting from this fan to the outside of the building has a strong effect on the air flow, noise and energy use of the fan. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated air flow.

Do not install ventilation fan in areas where the duct work will require configuration as shown.



PRE-INSTALLATION

WIRING DIAGRAMS



QUICK CONNECTOR INSTRUCTIONS

To be sold only with installation instructions.



WARNING: Wiring must comply with all applicable electrical codes. Turn OFF power before removing or installing connectors.



WARNING: COPPER TO COPPER ONLY. Do not use Aluminum wire.

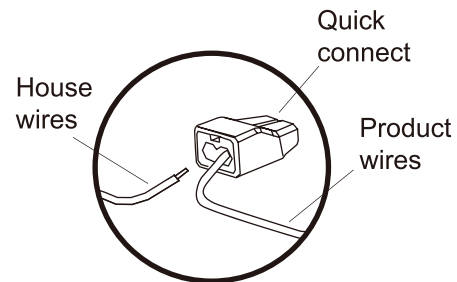


CAUTION: Accessory part quick connector (not included) should meet installation instructions below.

NOTICE: The connector is reusable on solid wires of the same wire gage or smaller. Do not reuse the connector on stranded wires.

NOTICE: Important wire information. Maximum temperature rating 105°C (221°F). 600 volts maximum for building wire and 1000 volts maximum for building wire and 1000 volts maximum in signs and lighting fixtures. The acceptable wire range includes: Solid: 12-18 AWG.

- Strip wires 3/8 in. - 1/2 in.
- Grip the wire firmly and push the stripped end of the wire into the open port of the connector. Use only one conductor per port.
- Verify the stripped end of the wires is fully inserted to the back of the connector.



PLANNING INSTALLATION

Before beginning installation of the product, make sure all parts are present. Compare parts with the package contents list and hardware contents. If any part is missing or damaged, do not attempt to install the product.



WARNING: Turn off electricity at breaker box before beginning installation.

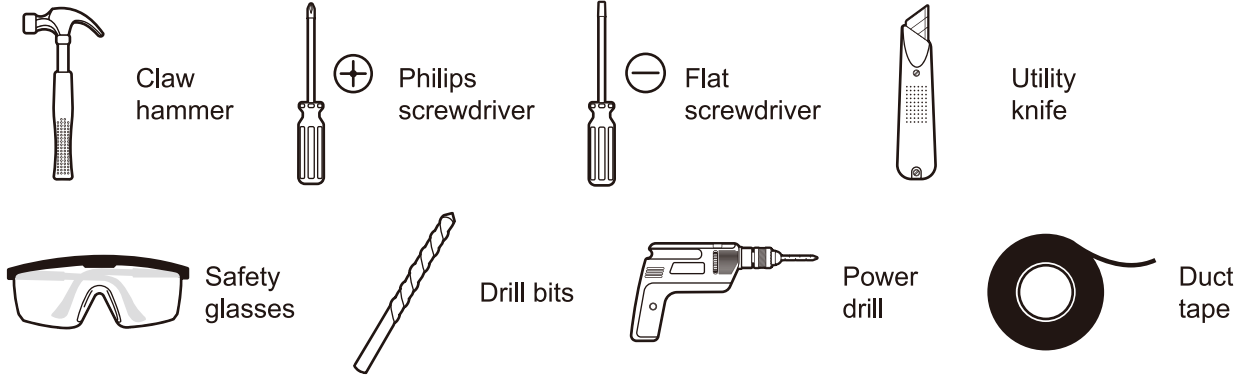


NOTE: Installation may vary depending on how the previous bath fan was installed. Supplies necessary for the installation of your bath fan are not all included. However, most are available at your local home improvement or hardware store.

1. Carefully remove the unit from the carton.
2. Check the area above the installation location to be sure that wiring can run to the planned location, that duct work can be run and the area is sufficient for proper ventilation.
3. Inspect duct work and wiring before proceeding with installation.
4. Before installation, provide inspection and future maintenance access at a location that will not interfere with installation work.
5. You may need the help of a second person to install this fan; one person on the attic side and one on the room side.

PRE-INSTALLATION (CONTINUED)

TOOLS REQUIRED



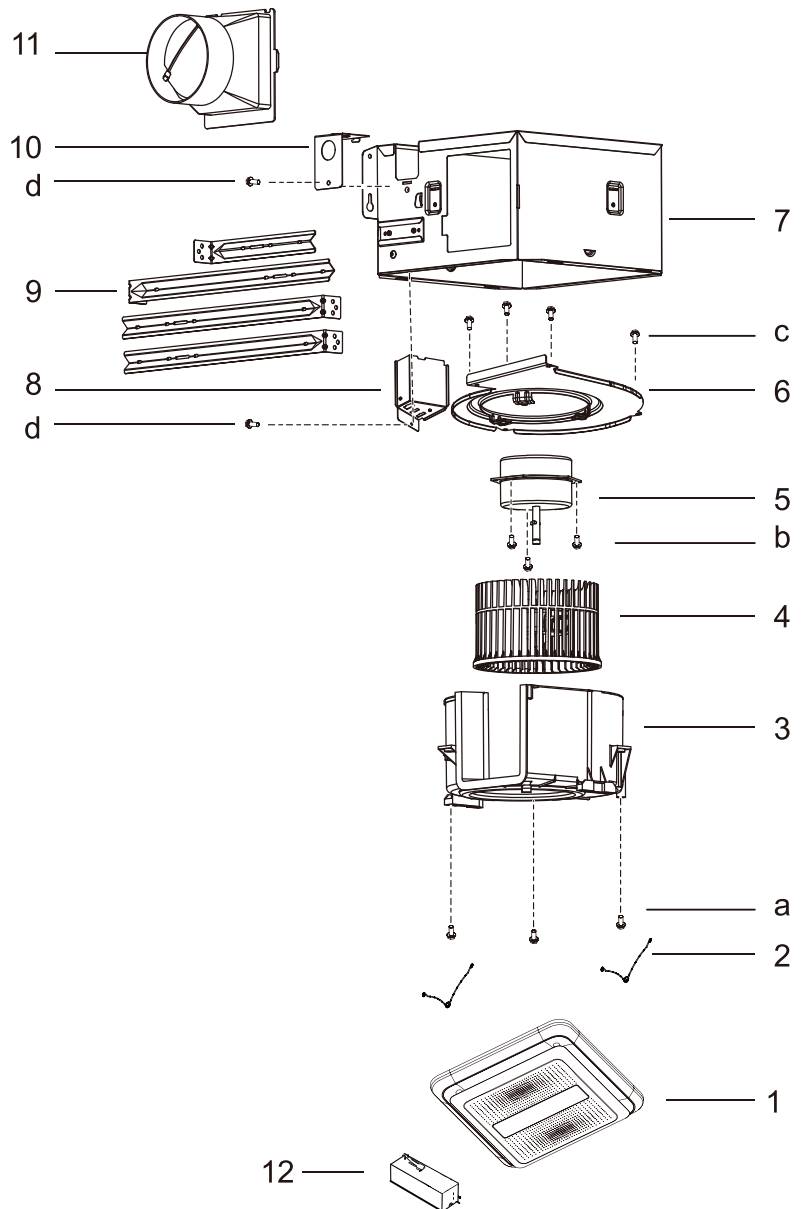
SERVICE PARTS

PART	PART NAME	Qty.
1	Grille Assembly (includes part 2)	1
2	Grille Spring	2
3	Blower	1
4	Blower Wheel	1
5	Motor	1
6	Motor Plate	1
7	Housing	1
8	Wire Panel / Harness Assembly	1
9	Hanger Bars	4
10	Wiring Plate	1
11	Damper/Duct Connector	1
12	wireless speaker	1
a	Screw	3
b	Screw	3
c	Screw	4
d	Screw	2

* Blower Assembly includes part 3, 4, 5, 6, a, b, c

Replacement installation: Remove the screw (part a), then take out the blower assembly from the housing (part 7). Replace the broken parts.

WARNING: Ensure that the fan is switched off from the supply mains before replacing.



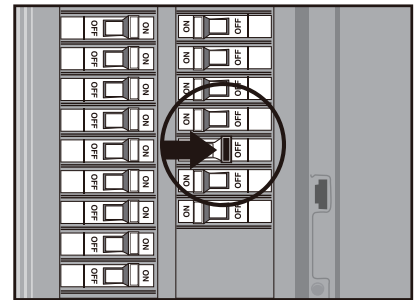
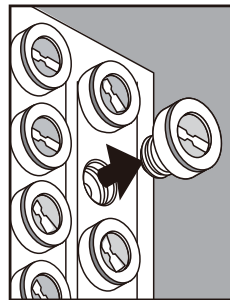
ASSEMBLY INSTRUCTIONS



CAUTION: Make sure power is switched off at service panel before starting installation.



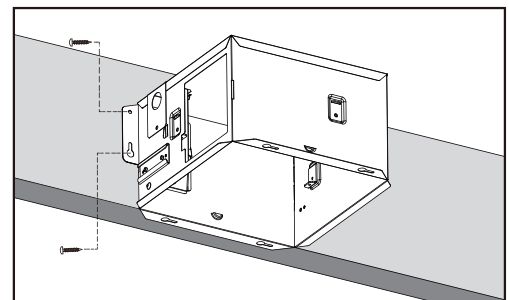
NOTE: Ceiling mount only.



1. Housing mounted to I-joists (Start at “ASSEMBLY INSTRUCTIONS 1”)
2. Housing mounted to joists (Start at “ASSEMBLY INSTRUCTIONS 1”)
3. Housing mounted to truss (Start at step “ASSEMBLY INSTRUCTIONS 2”)

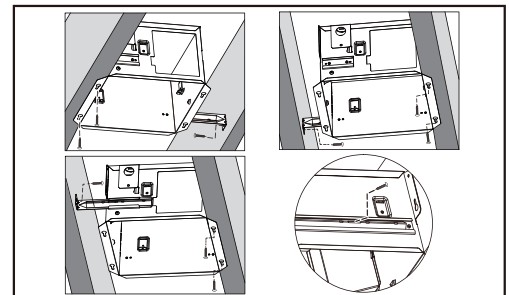
1. MOUNT HOUSING TO JOIST OR I-JOIST.

- a. Hold the housing so that it is in contact with the bottom of the joist.
- b. Attach the housing with four (4) screws to the joist through the holes in each mounting flange.



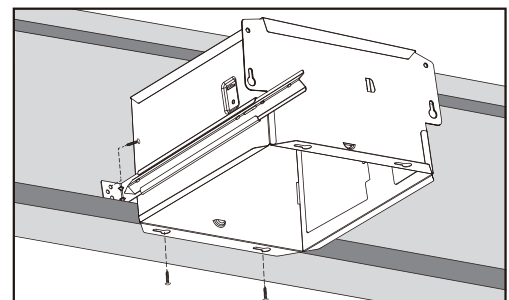
2. MOUNT WITH MOUNTING HOLES AND HANGER BAR

- a. Slide one hanger bar into the channel on the housing and adjust as needed to fit between framing.
- b. Hold housing in place so that the housing contact the bottom of the joist, Screw housing to joist through the hole of the housing.
- c. Screw the hanger bar onto the other side of joist through the hole.
- d. Screw hanger bar to housing with screw.
- e. Refer to the right diagram.



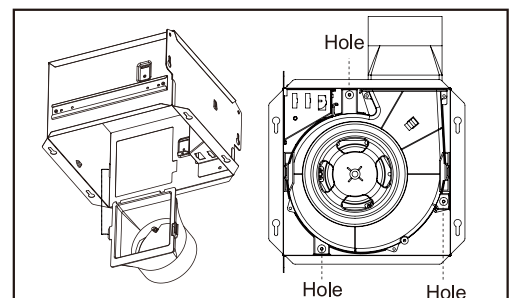
3. MOUNT TO I-JOIST

- a. Slide one hanger bar into channel on the housing and adjust as needed.
- b. Hold housing in place so that the housing contacts the bottom of the joist.
- c. Screw housing to joist through the hole of the housing.
- d. Screw the hanger bar onto the joist through the hole.
- e. Screw hanger bar to housing with screw.



4. INSTALL DUCT AND BLOWER ASSEMBLY

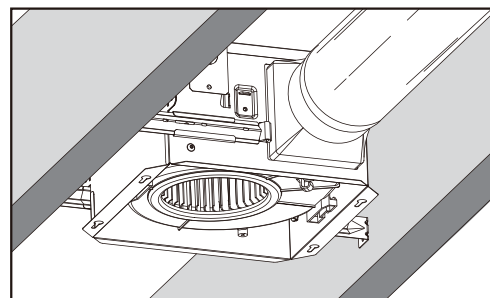
- a. Install duct from the inside of the housing; Fix the duct by the tab.
- b. Fix the BLOWER ASSEMBLY to the housing by 3 screws.



ASSEMBLY INSTRUCTIONS (CONTINUED)

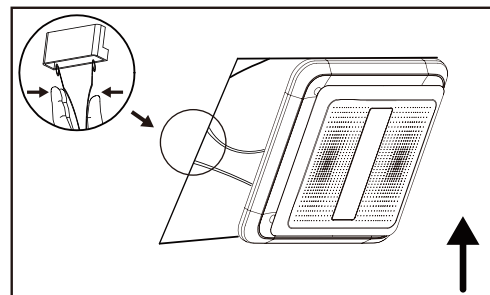
5. INSTALL ROUND DUCTWORK

- Connect the round ductwork (not included) to the damper/duct connector, and run the ductwork to a roof or wall cap (not included).
- Using tape (not included), secure all the ductwork connections so that they are airtight.
- Insulated flexible duct is recommended for the quietest possible installation. If rigid duct is used, a short (1-3 feet) section of insulated flexible duct will ensure quiet operation.



6. INSTALL GRILLE

- Install ceiling material to complete the ceiling construction and cut around the fan housing.
- To attach the grille assembly to the fan housing, Insert the light plug and wireless speaker plug from the grille assembly into the wire panel.
- To attach the grille assembly to the fan housing, pinch the grille springs on the sides of the grille assembly and position the grille into the housing with the grille springs in the appropriate slots. Push the grille assembly towards the ceiling to secure.



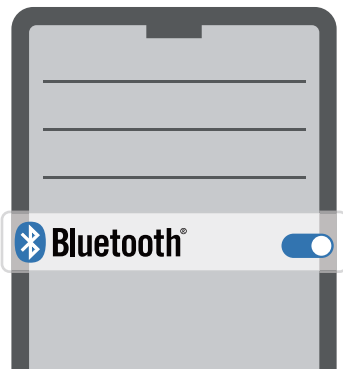
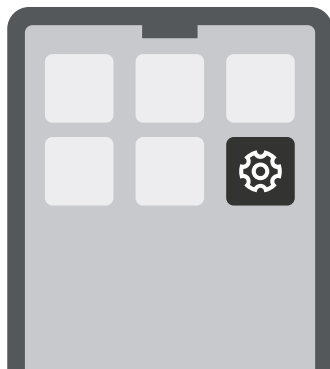
BLUETOOTH CONNECTION

1. Turn on the speaker from wall switch.

You will hear an audible tone indicating that the device is ready for pairing.

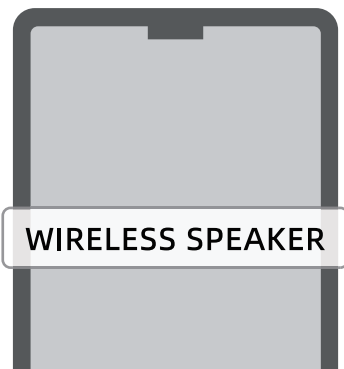
2. Enable Bluetooth on your device.

Tap the setting button on your device, and select Bluetooth and turn on the Bluetooth function.



3. Connection device

Look for "WIRELESS SPEAKER" in the list of available devices and tap it to connect.



4. Successful connection

Pairing is complete, you can use the wireless speaker to play music files with your device.

VENTILATION FAN OPERATION

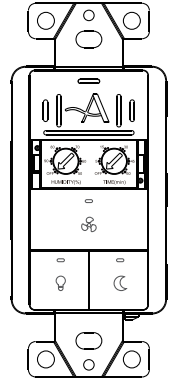
COMPATIBLE WITH STANDARD WALL SWITCHES

RECOMMENDED FOR USE WITH OUR WALL SWITCHES

Connect properly the wires with Three-rocker wall-mounting switch.

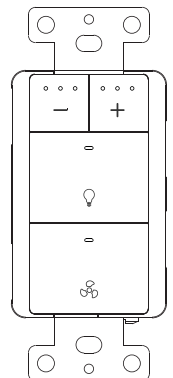
1. Akicon's Switch AK-SW-FLHT is recommended (Not Included)

- For controlling fan: Turn on/off by the fan button.
- For controlling main light: Turn on/off by the light button.
- For controlling bluetooth: Turn on/off by the night light button (Connect the bluetooth function wiring to the night light button).
- For controlling humidity and timer: Set the desired humidity threshold and delay-off time via the respective dials to achieve an intelligent, energy-saving, and comfortable control experience.



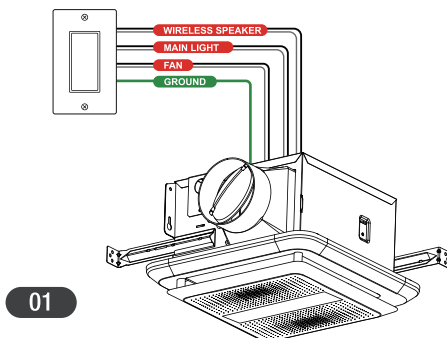
2. Akicon's Switch AK-SW-FLDN is recommended (Not Included)

- For controlling fan: Turn on/off by the fan button.
- For controlling main light: Turn on/off by the light button.
- For controlling dimmable: Short press +/- button for 6-level dimming, long press +/- button for stepless dimming.
- For controlling bluetooth: Turn on/off by the fan button (Connect the bluetooth function wiring to the fan button).

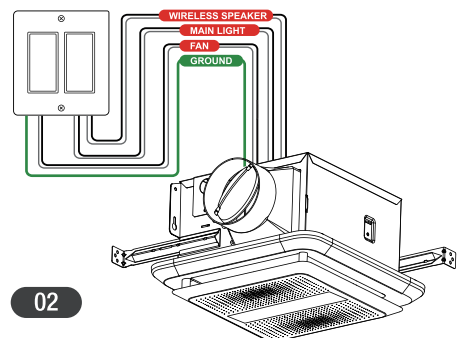


3. Standard Wall Switches (Not Included)

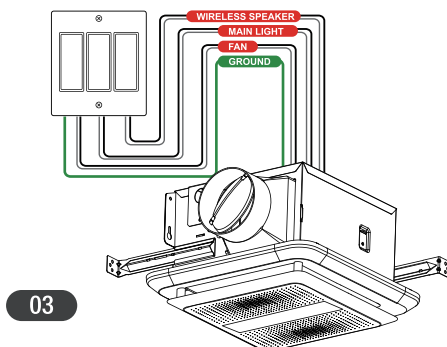
A SINGLE SWITCH CONTROLS THE LIGHT, BLUETOOTH, AND FAN TOGETHER



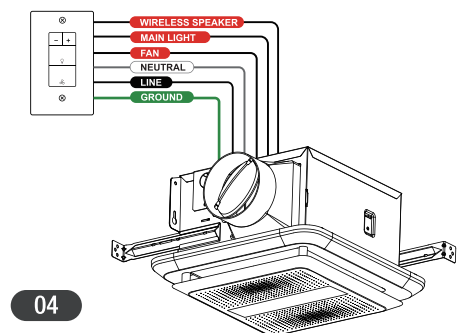
2 SWITCHES CONTROL THE LIGHTS AND FAN SEPARATELY



3 SWITCHES CONTROL THE LIGHT, BLUETOOTH, AND FAN SEPARATELY



AN AKICON SINGLE SWITCH CAN CONTROL ALL 3 FUNCTIONS INDEPENDENTLY



CARE AND MAINTENANCE



WARNING: Disconnect power supply before servicing.

- ❑ See SAFETY INFORMATION before proceeding. Routine maintenance should be done at least once a year.
- ❑ Never use solvents, thinner or harsh chemicals for cleaning the fan.
- ❑ Do not allow water to enter the motor.
- ❑ Do not immerse metal parts in water.

TROUBLESHOOTING

Problem	Solution	
The fan seems louder than it should.	The CFM is too great.	Be sure the CFM rating on the fan matches the square footage of your room.
	The damper is damaged or not working properly.	Check the damper to ensure it is opening and closing properly. If the damper has become damaged, please call Customer Service.
	The bend in the duct is too close to the fan discharge.	Be sure you do not have any sharp bends in the duct closer than 18 in. to the fan discharge.
	The fan discharge is reduced to fit a smaller duct.	Use the recommended size ducting to reduce fan noise.
	The fan body is not attached securely.	Be sure the fan is securely attached to the ceiling joists.
The fan is not clearing the room.	There is insufficient airflow intake in the room.	Be sure a door or window is slightly ajar or opened to airflow. The fan is not able to draw air out of the room without enough airflow to draw from.
	There is insufficient CFM.	Be sure the CFM rating on the fan matches the requirements for your room size.

NOTE: Using a tissue is not the correct method for determining if the fan is operating properly. If the fan clears steam from the room within approximately 15 minutes of completing your shower, then the fan is operating properly.

AKICON

Questions, problems, or missing parts?
Contact AKICON Customer Service before returning the product.
Service Hours: Monday-Friday, 8:00 a.m.-6:00 p.m. EST



¿Preguntas, problemas o piezas faltantes?
Comuníquese con el Servicio al Cliente de AKICON antes de devolver el producto.
Horario de atención: lunes a viernes, de 8:00 a.m. a 6:00 p.m. (hora del Este)

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 www.akiconhvac.com
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