

Broan-NuTone SPK110

Broan-NuTone SPK110 Bluetooth Speaker Ventilation Fan

MODEL: SPK110 - USER INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Broan-NuTone SPK110 Bluetooth Speaker Ventilation Fan. This ENERGY STAR certified exhaust fan is designed to effectively clear odors and moisture from rooms up to 105 sq. ft., while also providing high-fidelity audio through its integrated Bluetooth speakers.

The SPK110 operates at 110 CFM (Cubic Feet per Minute) and a quiet 1.0 Sones, ensuring efficient air movement with minimal noise. Its dual high-fidelity Sensonic speakers are discreetly concealed behind the fan grille, allowing you to stream audio from most Bluetooth-enabled devices without cluttering your space.



Image 1.1: The Broan-NuTone SPK110 Bluetooth Speaker Ventilation Fan, showcasing its sleek design and integrated grille.

2. Safety Information

Please read and understand all instructions before beginning installation or operation. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- Always disconnect power at the service panel before working on the fan.
- Ensure all wiring is done in accordance with local electrical codes and standards.
- This fan is UL listed for use over a bathtub or shower when installed with a GFCI (Ground Fault Circuit Interrupter) protected branch circuit.
- Type IC for use in direct contact with thermal insulation.
- Do not use this fan with any solid-state speed control device unless specifically approved by Broan-NuTone.
- Never place any object into the fan grille.

3. Package Contents

Verify that all components are present before beginning installation:

- Ventilation Fan Housing
- Grille Assembly with Integrated Bluetooth Speakers
- Speaker Assembly
- Non-Metallic Damper/Duct Connector (4-inch round)

- Unique Spacer for Easy I-joist Mounting
- Installation Guide and Hardware

4. Specifications

Feature	Specification
Brand	Broan-NuTone
Model Name	SPK110
Air Flow Capacity	110 CFM
Noise Level	1.0 Sones
Room Type	Bathroom (up to 105 sq. ft.)
Special Feature	Bluetooth Speaker
Power Source	AC
Voltage	120 Volts
Wattage	31.4 watts
Item Weight	11 Pounds
Product Dimensions	13"D x 14"W x 8.63"H
Installation Type	Ceiling Mount
Duct Size	4-inch Round
Certifications	ENERGY STAR Certified, UL Listed

5. Installation

The Broan-NuTone SPK110 is designed for easy installation in new construction or as a replacement unit. It fits 2"x 8" ceiling construction and includes a unique spacer for easy I-joist mounting.

5.1 Pre-Installation Steps

1. **Turn off Power:** Before starting any work, ensure the power to the installation area is completely disconnected at the circuit breaker or fuse box.
2. **Review Local Codes:** Consult local electrical and building codes to ensure compliance.
3. **Prepare Opening:** If replacing an existing fan, remove the old unit. The SPK110 requires a housing dimension of 10.5" x 11.375" x 10.5". Adjust the ceiling opening as necessary.
4. **Ductwork:** Ensure you have 4-inch round ductwork available. If your existing ductwork is a different size (e.g., 3-inch), you will need an appropriate reducer/adapter (sold separately).

5.2 Mounting the Fan Housing

1. Position the fan housing between ceiling joists. The unique spacer facilitates mounting to I-joists.
2. Secure the housing to the joists using appropriate fasteners.

3. Connect the 4-inch round ductwork to the non-metallic damper/duct connector on the fan housing. Ensure a secure and airtight connection.

5.3 Electrical Wiring

1. Route the electrical supply wires into the fan's wiring compartment.
2. Connect the wires according to the wiring diagram provided in the full installation guide. Typically, this involves connecting the black wire to the fan switch, the white wire to neutral, and the green/bare wire to ground.
3. Ensure all connections are secure and insulated.

5.4 Installing the Grille

1. Plug the speaker assembly cable into the designated port inside the fan housing.
2. Align the grille assembly with the fan housing and push it firmly into place until the torsion springs secure it.



Image 5.1: The Broan-NuTone SPK110 fan housing with its duct connector, illustrating the easy installation process.

Video 5.1: An official video from Broan-NuTone demonstrating the features and installation of the Sensonic Bathroom Exhaust Fan with Bluetooth Speaker. This video highlights the product's quiet operation, powerful ventilation, and integrated Bluetooth audio capabilities, showing how it removes humidity and odor

6. Operating Instructions

6.1 Fan Operation

The ventilation fan is operated via a standard wall switch. Flip the switch to the 'ON' position to activate the fan and begin air circulation. Flip the switch to the 'OFF' position to turn off the fan.

6.2 Bluetooth Speaker Operation

The integrated Bluetooth speakers allow for wireless audio streaming. The speakers are activated by a separate wall switch, typically labeled 'Speaker' or 'Bluetooth'.

1. **Activate Speakers:** Turn on the dedicated 'Speaker' or 'Bluetooth' wall switch. The speakers will enter pairing mode.
2. **Pairing Your Device:** On your Bluetooth-enabled device (e.g., smartphone, tablet), navigate to the Bluetooth settings. Look for a device named "Sensonic Vent Fan" in the list of available devices.
3. **Connect:** Select "Sensonic Vent Fan" to pair and connect. Once connected, you will hear an audible confirmation tone from the speakers.
4. **Play Audio:** Begin playing audio from your device. The sound will now stream through the fan's speakers.
5. **Disconnect:** To disconnect, simply turn off the 'Speaker' or 'Bluetooth' wall switch, or disconnect from your device's Bluetooth settings.

Note: The fan and the Bluetooth speakers can be operated independently or simultaneously, depending on your wiring configuration and switch setup.

BLUETOOTH EXHAUST FAN

Bathroom Exhaust Fan Equipped with Dual, High-Fidelity
Sensonic™ Speakers with Bluetooth™ Functionality



Image 6.1: The Broan-NuTone SPK110, highlighting its Bluetooth speaker functionality for seamless audio streaming.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your ventilation fan.

7.1 Cleaning the Grille

1. **Disconnect Power:** Always turn off power at the service panel before cleaning.
2. **Remove Grille:** Gently pull down the grille assembly to release the torsion springs and detach it from the fan housing.
3. **Clean:** Wash the grille with a mild detergent and warm water. Rinse thoroughly and dry completely before reinstallation.
4. **Reinstall Grille:** Reattach the grille by squeezing the torsion springs and inserting them into the slots in the fan housing. Push the grille firmly against the ceiling.

7.2 Cleaning the Fan Interior

Periodically, the fan's interior components may require cleaning.

1. **Disconnect Power:** Turn off power at the service panel.

2. **Remove Grille:** Follow the steps above to remove the grille.
3. **Clean Fan Blades/Motor:** Use a soft cloth or brush to carefully remove dust and debris from the fan blades and motor housing. Avoid using excessive moisture.
4. **Reassemble:** Once clean, reassemble the fan and grille, then restore power.

8. Troubleshooting

If you encounter issues with your Broan-NuTone SPK110, refer to the following common troubleshooting steps:

8.1 Fan Not Operating

- **Check Power:** Ensure the wall switch is in the 'ON' position and that power is supplied to the circuit breaker.
- **Loose Connections:** Verify all electrical connections are secure (ensure power is off before checking).
- **Obstructions:** Check for any obstructions in the fan blades or ductwork.

8.2 Bluetooth Speaker Not Connecting/Poor Sound

- **Speaker Power:** Ensure the dedicated 'Speaker' or 'Bluetooth' wall switch is in the 'ON' position.
- **Device Bluetooth:** Confirm Bluetooth is enabled on your audio device.
- **Pairing Mode:** If the fan was recently installed or power cycled, it may need to re-enter pairing mode. Turn the speaker switch off and on again.
- **Forget Device:** On your audio device, "forget" the "Sensonic Vent Fan" and attempt to pair again.
- **Distance:** Ensure your audio device is within the Bluetooth range of the fan.
- **Volume:** Check the volume levels on both your audio device and the fan (if adjustable via the device).

EFFICIENT

ENERGY STAR® Certified and UL Listed for Use Over Bathtub or Shower When Connected to a GFCI Circuit (ceiling mount only)



110 CFM
BLOWER

1.0 SONE
FOR QUIET
OPERATION

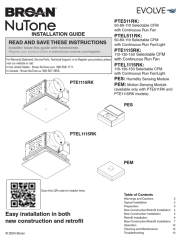


Image 8.1: The internal components of the Broan-NuTone SPK110, showing the fan motor and integrated speakers.

9. Warranty and Support

The Broan-NuTone SPK110 Bluetooth Speaker Ventilation Fan comes with a **3-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use and service.

For detailed warranty information, technical support, or to purchase replacement parts, please visit the official Broan-NuTone website or contact their customer service department. Keep your proof of purchase for warranty claims.

	<p>ChromaComfort & Sensonic Fan/Light/Speaker Installation Instructions</p> <p>Comprehensive installation guide for the ChromaComfort & Sensonic Fan/Light/Speaker, detailing safety precautions, cleaning, maintenance, operation, and step-by-step installation for both new and retrofit applications. Includes Bluetooth pairing and app download information.</p>
	<p>Broan-NuTone BES8 Roomside Series Humidity Sensing Fan Installation Guide</p> <p>Comprehensive installation guide for the Broan-NuTone BES8 Roomside Series Humidity Sensing Fan. Learn how to safely install, operate, and maintain your ventilation fan for optimal performance. Includes wiring diagrams, mounting instructions, and safety warnings.</p>
	<p>Broan-NuTone Evolve Series Exhaust Fan Installation Guide (PTE1115RK, PTE511RK)</p> <p>Detailed installation guide for Broan-NuTone Evolve Series exhaust fans, including models PTE1115RK, PTE511RK, PTEL511RK, and PTEL1115RK. Covers safety, preparation, step-by-step installation for new construction and retrofit, operation, cleaning, and troubleshooting.</p>
	<p>Broan-NuTone 688E/696N Ceiling and Wall Fan Installation Guide</p> <p>This document provides installation instructions for Broan-NuTone Economy Energy Star and Non-Energy Star ceiling and wall fans, models 688E and 696N. It includes essential safety warnings, electrical wiring guidance, ducting requirements, and step-by-step mounting procedures for both new construction and replacement installations.</p>
	<p>BELS8 Roomside Series Humidity Sensing Fan/Light Installation and Operation Guide</p> <p>Comprehensive guide for the Broan-NuTone BELS8 Roomside Series Humidity Sensing Fan/Light, covering installation, operation, cleaning, and maintenance. Includes safety warnings and troubleshooting tips.</p>
	<p>Broan-NuTone Roomside Series Decorative Fan-Light Installation and Use & Care Guide</p> <p>Comprehensive installation, operation, and maintenance instructions for the Broan-NuTone Roomside Series Decorative Fan-Light, including model numbers AR80LWH, AER80LWH, and AERN80LWH. This guide provides safety precautions, installation steps for new construction and retrofits, cleaning advice, and wiring diagrams.</p>