Broan-NuTone IS-445WH

Broan-NuTone IS-445WH 5-inch Indoor Remote Speaker

INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Broan-NuTone IS-445WH 5-inch Indoor Remote Speaker. This speaker is designed to integrate seamlessly with Broan-NuTone IMA-4406, IM-4406, IMA-4006, and IM-4006 master stations, serving as an essential component of your home intercom system.

Please read this manual thoroughly before proceeding with installation or operation to ensure proper function and longevity of the product.

2. Product Overview

The Broan-NuTone IS-445WH is a white, 5-inch indoor remote speaker unit. It features a speaker grille, control buttons, and a volume knob for convenient operation within your intercom system.



Figure 1: Broan-NuTone IS-445WH 5-inch Indoor Remote Speaker. The image displays the white speaker unit with a prominent speaker grille on the left. To the right are several control buttons labeled 'PRIVATE OFF ON', 'INSIDE/PATIO TALK', 'DOOR TALK', 'END CALL', and 'AM/FM/CD CONTROL'. Below these buttons is a circular 'VOLUME' knob with indicator dots.

2.1 Controls and Indicators

- **Volume Knob:** Adjusts the audio output level of the speaker.
- **PRIVATE OFF ON Switch:** Toggles the privacy function. When 'ON', it prevents others from listening in on your room.
- **INSIDE/PATIO TALK Button:** Initiates communication with other indoor or patio stations connected to the master unit.
- **DOOR TALK Button:** Allows communication with the outdoor door station.
- **END CALL Button:** Terminates an active call or communication session.
- **AM/FM/CD CONTROL Button:** Used to control audio functions from the master station, such as changing radio stations or CD tracks.

3. Setup and Installation

The IS-445WH speaker is designed for indoor use and can be installed as a new addition or as a replacement for an existing unit.

3.1 New Installation Requirements

If you are adding this speaker to your system for the first time, an**IR-50 rough-in housing** will be required for proper mounting and wiring within the wall. Consult the installation guide for the IR-50 housing and your master station for detailed wiring instructions.

3.2 Replacement Installation

This unit is suitable for replacing non-working or discolored speakers. The wiring diagram typically remains consistent with older units, simplifying the replacement process.

1. **Power Disconnection:** Before beginning any work, ensure that power to the entire intercom system, especially the master station, is disconnected at the circuit breaker.
2. **Remove Old Speaker:** Carefully remove the existing speaker unit from its mounting. Note the wiring connections before disconnecting them. It is recommended to label each wire.
3. **Connect New Speaker:** Connect the wires from the wall to the corresponding terminals on the new IS-445WH speaker. Refer to the wiring diagram provided with your master station or the original speaker for correct connections.
4. **Mount New Speaker:** Secure the IS-445WH speaker into the rough-in housing or wall opening using the appropriate screws. Ensure it is flush and stable.
5. **Restore Power:** Once the speaker is securely mounted and all connections are verified, restore power to the intercom system.
6. **Test Functionality:** Test all functions of the speaker, including volume control and communication buttons, to ensure proper operation.

If you are unsure about any part of the installation process, it is recommended to consult a qualified electrician or an experienced installer.

4. Operating Instructions

Operating the IS-445WH remote speaker is straightforward once installed and connected to a compatible master station.

- **Adjusting Volume:** Rotate the **Volume Knob** clockwise to increase volume and counter-clockwise to decrease it.
- **Privacy Mode:** Flip the **PRIVATE OFF ON Switch** to 'ON' to prevent audio from your room being transmitted to other stations. Set to 'OFF' for normal operation.
- **Initiating Internal Communication:** Press the **INSIDE/PATIO TALK Button** to speak with other indoor or patio stations. Release the button to listen.
- **Communicating with Door Station:** Press the **DOOR TALK Button** to speak with someone at the door station. Release to listen.
- **Ending a Call:** Press the **END CALL Button** to terminate any active communication.
- **Controlling Audio Sources:** Use the **AM/FM/CD CONTROL Button** to interact with the audio source selected on the master station. Specific functions (e.g., changing channels, skipping tracks) will depend on the master station's capabilities and how this button is configured to interact with it.

5. Maintenance

The Broan-NuTone IS-445WH speaker requires minimal maintenance to ensure optimal performance.

- **Cleaning:** To clean the speaker unit, gently wipe the surface with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and electronic components.
- **Inspection:** Periodically inspect the speaker for any visible damage or loose connections. If any issues are found, address them promptly.
- **Environmental Conditions:** Ensure the speaker is not exposed to excessive moisture, extreme temperatures, or direct sunlight, which can affect its performance and lifespan.

6. Troubleshooting

If you encounter issues with your IS-445WH remote speaker, try the following troubleshooting steps:

- **No Sound:**
  - Check the **Volume Knob** and ensure it is not set to minimum.
  - Verify that the **PRIVATE OFF ON Switch** is in the 'OFF' position for normal operation.
  - Ensure the master station is powered on and functioning correctly.
  - Inspect wiring connections at the speaker and master station for looseness or damage.
- **Distorted Sound:**
  - Reduce the volume level.
  - Check for any physical obstructions on the speaker grille.
  - Ensure wiring connections are secure and free from corrosion.
- **Buttons Not Responding:**
  - Confirm the master station is operational.
  - Check for any physical damage to the buttons.
  - Temporarily disconnect and reconnect power to the master station (power cycle) to reset the system.

If these steps do not resolve the issue, contact Broan-NuTone customer support or a qualified service technician.

7. Specifications

Feature	Specification
Model Number	IS-445WH
Speaker Size	5 inches
Compatibility	Broan-NuTone IMA-4406, IM-4406, IMA-4006, IM-4006 Master Stations
Color	White
Package Dimensions	9.57 x 7.52 x 5.59 inches
Item Weight	1 pound
Hardware Interface	USB (Note: This refers to the system's overall interface, not a direct USB port on the speaker unit itself.)
UPC	784891983443

8. Warranty and Support

For warranty information, please refer to the documentation included with your original purchase or contact Broan-NuTone customer service directly. Support resources, including FAQs and contact details, can typically be found on the official Broan-NuTone website.

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