

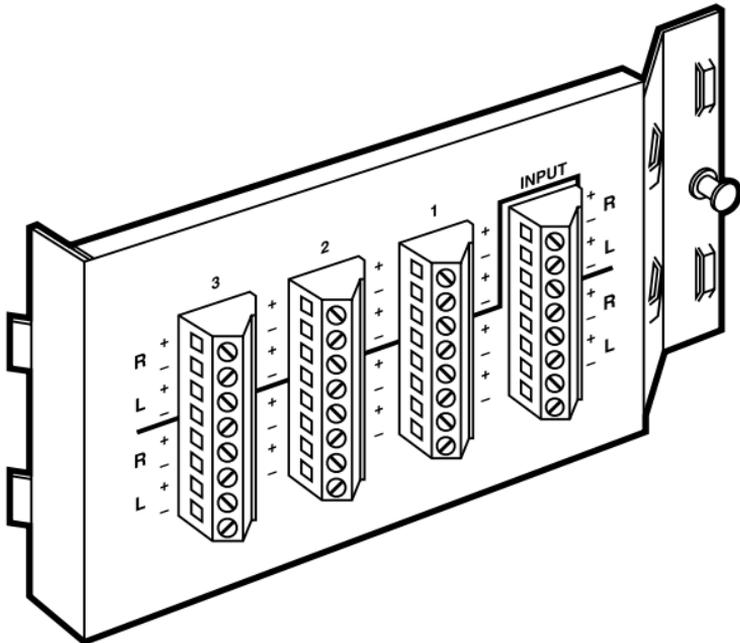


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SOHO 7-Zone Audio Module



CUSTOMER SUPPORT INFORMATION

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)

FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746

Mailing address: **Black Box Corporation**, 1000 Park Drive, Lawrence, PA 15055-1018

Web site: www.blackbox.com • E-mail: info@blackbox.com

**FEDERAL COMMUNICATIONS COMMISSION
AND
INDUSTRY CANADA
RADIO FREQUENCY INTERFERENCE STATEMENTS**

This equipment generates, uses, and can radiate radio-frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio communication. It has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his own expense will be required to take whatever measures may be necessary to correct the interference.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This digital apparatus does not exceed the Class A limits for radio noise emission from digital apparatus set out in the Radio Interference Regulation of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de classe A prescrites dans le Règlement sur le brouillage radioélectrique publié par Industrie Canada.

TRADEMARKS USED IN THIS MANUAL

Any trademarks mentioned in this manual are acknowledged to be the property of the trademark owners.

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1. Specifications

Connectors: (1) screw-type connector (audio in),
(7) screw-type connectors (audio out)

Size: 3"H x 6.3"W (7.6 x 16 cm)

Weight: 0.4 lb. (0.2 kg)

2. Introduction

The SOHO 7-Zone Audio Module should be installed in the SOHO Network Box (JPM1122A, JPM1123A, or JPM1124A). The module supports up to seven pairs of speakers from a single source.

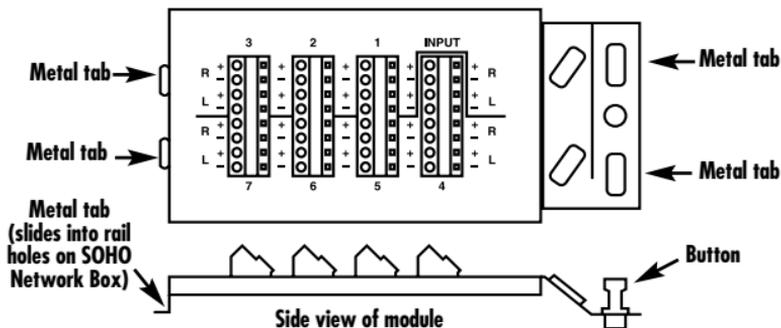


Figure 2-1. SOHO 7-Zone Audio Module.

3. Installation

3.1 Cable Handling Guidelines

- Do not route data cables through the same cable holes as the AC power cables.
- For safety, separate all data cables from parallel AC power lines by at least 6 inches (15.2 cm) whenever possible.
- Avoid kinking the cable.
- Do not attach cable tie-downs too tightly. The cable-fastening hardware should not compress the cable sheath.
- Do not bend the cable sharply. Be especially careful to place the cables properly in the cable management after passing them through a hole, since the edges of the hole can compress or even damage the cable sheath.
- When installing an individual module in the SOHO Network Box, place it above or below the interfacing module (if possible). This will eliminate excessive cable crossing.

- Follow all warnings on the products.
- For your safety, do not use this or any electrical product near water (unless it is specifically designed for wet areas).
- Do not install wiring during thunder and lightning storms.
- Use caution when handling or installing any computer, telephone, video, or electrical devices.

3.2 Installing a Module in the SOHO Network Box

1. Determine the area for installation.
2. Position the metal tabs on the left side of the module at a 45-degree angle and slide them into the rail holes on the SOHO Network Box (see Figure 2-1).
3. Insert the metal tabs on the right side of the module into the rail.
4. Press the button to fasten the module to the SOHO Network Box.

NOTE

When mounting an individual module in the SOHO Network Box, install it above or below the interfacing module (when possible). This will eliminate excessive cable crossing.

3.3 Removing a Module from the SOHO Network Box

1. Press the button and hold it in while pulling the module from the SOHO Network Box.
2. Swing the module out.

3.4 Audio Modules

The Audio Module supports up to 7 zones from one single source. A zone is defined as a set of speakers.

To configure the module, follow these steps:

1. Strip the speaker cable to expose 0.5" (1.3 cm) of cable.
2. Connect the right and left outputs from the main audio source to the right and left input screw-down terminal of the module.
3. Connect speaker cables to the right and left outbound screw-down terminals leading to the speakers or volume controllers. Use one zone for

each set of speakers or controllers. (Remember, the module supports up to seven pairs of speakers.)

- Place the cable properly in the cable management using the cable management channel anchoring points.

NOTE

Be sure to correctly connect the positive and negative speaker wires. Cross-connection will result in distortion and poor sound quality.

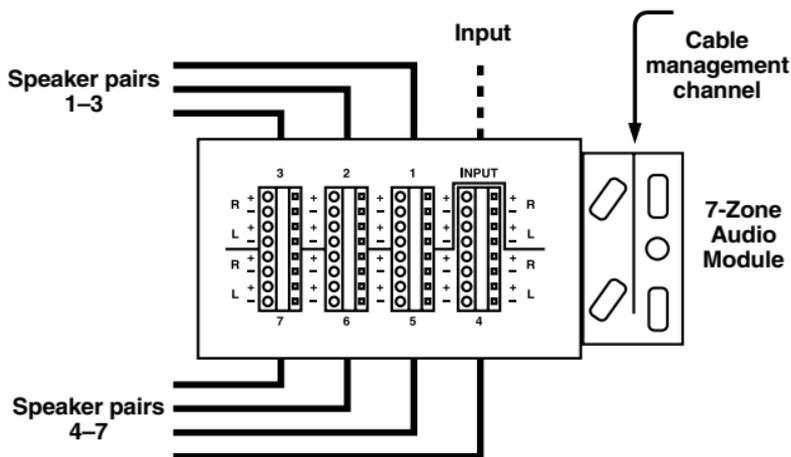


Figure 3-1. Basic setup.

4. Troubleshooting

4.1 Calling Black Box

If you determine that your SOHO 7-Zone Audio Module is malfunctioning, do not attempt to alter or repair the unit. It contains no user-serviceable parts. Contact Black Box at 724-746-5500.

Before you do, make a record of the history of the problem. We will be able to provide more efficient and accurate assistance if you have a complete description, including:

- the nature and duration of the problem.
- when the problem occurs.
- the components involved in the problem.
- any particular application that, when used, appears to create the problem or make it worse.

4.2 Shipping and Packaging

If you need to transport or ship your SOHO 7-Zone Audio Module:

- Package it carefully. We recommend that you use the original container.
- If you are shipping the SOHO 7-Zone Audio Module for repair, make sure you include everything that came in the original package. Before you ship, contact Black Box to get a Return Authorization (RA) number.