Radio Shack

Cat. No. 40-1415

PA-115 15-Inch 2-Way Speaker

Your Radio Shack PA-115 15-Inch 2-Way Speaker is designed to deliver uniform sound dispersion with excellent sound quality. Your speaker's protective corners and carrying handle make it portable, so you can use it anywhere you need it. It is ideal for clubs, schools, churches, conference rooms, auditoriums, and other locations that require controlled sound coverage.

The PA-115's 15-inch woofer and piezo horn tweeter make it suitable for voice or music. Its $^1/_4$-inch phone jack and two terminal posts make it easy to connect to any amplifier. You can connect two PA-115s to a stereo amplifier for stereo sound.

SPEAKER PLACEMENT

An ideal speaker system covers the listening area with a consistent volume level without reverberation (echo) or "dead" spots (areas without sound).

To cover a wide area, you might need one or more additional PA-115s. If you use more than one PA-115, overlap the speakers' projection areas to prevent dead spots.
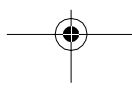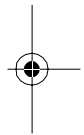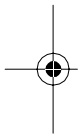
CONNECTING THE PA-115

Note: Be sure your amplifier is turned off before you make any wire connections.

Using the PA-115's Terminal Posts

Use color-coded, two-connector, 18-gauge or larger speaker wire to connect the PA-115 to an amplifier using the PA-115's terminal posts.

Note: You can find the proper speaker wire at your local Radio Shack store.

Speaker wire has two individual conductors (wires) covered with insulation, and is often marked to help you make the proper connections. Insulation on one side of the wire might have a ridge or colored stripe. Or, the two conductors might be different colors (silver and copper, for example).

For the best bass response, be sure to connect + on the speaker to + on the amp and – on the speaker to – on the amp.

1. Separate the conductors at each end for about 2 inches.

2. Strip away $^1/_2$ inch of insulation from the end of each conductor.

3. Unscrew the PA-115's positive (+) terminal and insert a conductor's stripped end into the hole on the side of the terminal post. If the wire is too large to insert into the hole, strip away some conductor to reduce the wire's size.

4. Hand tighten the terminal to secure the wire in place.

5. Connect the conductor's other stripped end to the amplifier's positive (+) terminal.

6. Repeat Steps 3-5 to connect the PA-115 to the amplifier's negative (–) terminal.

## Using the PA-115's Phone Jack

Instead of using the speaker's terminal posts, you can use the speaker's phone jack to make the connection.

If your amplifier has an 8-ohm phone jack, you can use speaker cable that has a phone plug on each end (such as Radio Shack Cat. No. 42-2470) to connect the PA-115's $^1/_4$-inch phone jack to the amplifier's phone jack.

Or, if your amplifier does not have an 8-ohm phone jack, you can use speaker wire that has a phone plug on one end to connect the PA-115's $^1/_4$-inch phone jack to the amplifier's terminals.
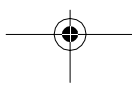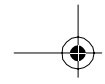
Connecting Two PA-115s to a Monaural Amplifier

You can connect a second PA-115 to cover a wider listening area. The PA-115 puts an 8-ohm load on the amplifier. If you connect a second PA-115 in series, the load increases to 16 ohms. If you connect a second PA-115 in parallel, the load decreases to 4 ohms. Check your amplifier's specifications to see which connection to use.

Connecting Two PA-115s to a Stereo Amplifier

You can connect two PA-115s to a stereo amplifier for stereo sound. Connect one PA-115's positive (+) and negative (–) terminals to the amplifier's corresponding positive and negative left speaker terminals.

Connect the other PA-115's terminals to the amplifier's corresponding right speaker terminals.
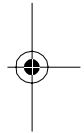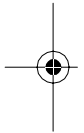
CARE AND MAINTENANCE

Your Radio Shack PA-115 15-Inch 2-Way Public Address Speaker is an example of superior design and craftsmanship. These suggestions will help you care for the speaker so you can enjoy it for years.

- Keep the PA-115 dry. If it gets wet, wipe it dry immediately.

- Keep the PA-115 away from dust and dirt.

Caution: Do not clean the grille or speaker elements with a vacuum cleaner. Doing so might cause permanent damage. Use a feather duster or soft cloth instead.
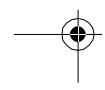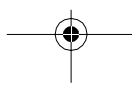
SPECIFICATIONS

Type .... Two-Way System with Tuned Port Enclosure

Speaker Drivers .... 15-Inch Woofer and 3.1-Inch x 7.4-Inch Horn Piezo Tweeter

Power Handling.. 100 Watts RMS

Maximum Power .... 200 Watts

Frequency Range.. 30 Hz - 27 kHz

Impedance .... 8 Ohms

Dimensions ....27^3/4 x 19^3/4 x 13^3/4 Inches (HWD)

Shipping Weight ....46 Lbs.

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

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