

IN-CEILING SPEAKER INSTALLATION MANUAL

PDIC1656

5.25" 150 Watt 2-Way
Ceiling / Wall Speakers (Pair)

Specifications:

- In-Wall / In-Ceiling System
- 2-Way Stereo Sound Speakers
- Includes (2) 5.25-inch Speakers
- 1/2" High Compliance Polymer Tweeter
- Polypropylene Cone with Rubber Edge
- Mounts Flush on Walls or Ceilings
- Built-In Electronic Crossover Network
- Environmentally Friendly ABS Construction
- Perfect for Custom Installations & Applications
- Includes Changeable Round & Square Stain Resistant Grills
- Cut-Out Template for Easy Installation

Technical Specs:

- 150 Watt Rated Peak Power
- Frequency Response: 80Hz-20kHz
- Impedance: 16 Ohms
- Sensitivity: 88 dB
- Total Unit Dimensions (Diameter x Depth): 8.3" x 3.2"
- Cutout Diameter: 6.8"; Cutout Mounting Depth: 3.0"

PDIC1666

6.5" 200 Watt 2-Way
Ceiling / Wall Speakers (Pair)

Specifications:

- In-Wall / In-Ceiling System
- 2-Way Stereo Sound Speakers
- Includes (2) 6.5-inch Speakers
- 1/2" High Compliance Polymer Tweeter
- Polypropylene Cone with Rubber Edge
- Mounts Flush on Walls or Ceilings
- Built-In Electronic Crossover Network
- Environmentally Friendly ABS Construction
- Perfect for Custom Installations & Applications
- Includes Changeable Round & Square Stain Resistant Grills
- Cut-Out Template for Easy Installation

Technical Specs:

- 200 Watt Rated Peak Power
- Frequency Response: 60Hz-20kHz
- Impedance: 16 Ohms
- Sensitivity: 89 dB
- Total Unit Dimensions (Diameter x Depth): 9.5" x 3.4"
- Cutout Diameter: 7.9"; Cutout Mounting Depth: 3.1"

PDIC1686

8" 250 Watt 2-Way
Ceiling / Wall Speakers (Pair)

Specifications:

- In-Wall / In-Ceiling System
- 2-Way Stereo Sound Speakers
- Includes (2) 8-inch Speakers
- 1/2" High Compliance Polymer Tweeter
- Polypropylene Cone with Rubber Edge
- Mounts Flush on Walls or Ceilings
- Built-In Electronic Crossover Network
- Environmentally Friendly ABS Construction
- Perfect for Custom Installations & Applications
- Includes Changeable Round & Square Stain Resistant Grills
- Cut-Out Template for Easy Installation

Technical Specs:

- 250 Watt Rated Peak Power
- Frequency Response: 40Hz-20kHz
- Impedance: 16 Ohms
- Sensitivity: 89 dB
- Total Unit Dimensions (Diameter x Depth): 11.2" x 3.9"
- Cutout Diameter: 9.4"; Cutout Mounting Depth: 3.5"

PDIC16106

10" 300 Watt 2-Way
Ceiling / Wall Speakers (Pair)

Specifications:

- In-Wall / In-Ceiling System
- 2-Way Stereo Sound Speakers
- Includes (2) 10-inch Speakers
- 1/2" High Compliance Polymer Tweeter
- Polypropylene Cone with Rubber Edge
- Mounts Flush on Walls or Ceilings
- Built-In Electronic Crossover Network
- Environmentally Friendly ABS Construction
- Perfect for Custom Installations & Applications
- Includes Changeable Round & Square Stain Resistant Grills
- Cut-Out Template for Easy Installation

Technical Specs:

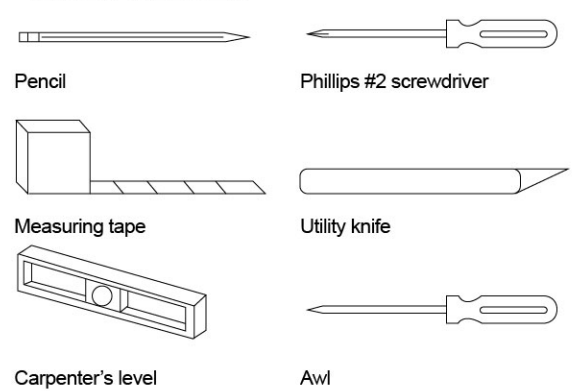
- 300 Watt Rated Peak Power
- Frequency Response: 35Hz-20kHz
- Impedance: 16 Ohms
- Sensitivity: 89 dB
- Total Unit Dimensions (Diameter x Depth): 12.8" x 4.3"
- Cutout Diameter: 10.5"; Cutout Mounting Depth: 3.7"

- This product gets the patent of innovation of the structure, easy for installation.
- Use new environmental protection ABS material, with longer service life, not easy to change color.

INSTALLATION

The in-wall/in-ceiling speakers were designed to be easily installed. However, if you are unsure of your ability to properly install these loudspeakers please contact your dealer or a qualified installer.

TOOLS NEEDED



TROUBLESHOOTING

IF THERE IS NO SOUND FROM ANY OF THE SPEAKERS:

- Check that receiver/amplifier is on and a source is playing.
- Check all wires and connections between receiver/amplifier and speakers. Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut, punctured or touching each other.
- Review proper operation of your receiver/amplifier.

IF THERE IS NO SOUND COMING FROM ONE SPEAKER:

- Check the "Balance" control on your receiver/amplifier.
- Check all wires and connections between receiver/amplifier and speakers. Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut, punctured or touching each other.

IF THERE IS LOW (OR NO) BASS OUTPUT:

- Make sure the connections to the left and right speaker inputs have the correct polarity (+ and -).
- Consider adding a powered subwoofer to your system.
- In Dolby Digital or DTS modes, make sure your receiver/processor is correctly configured. When using a subwoofer, make sure the subwoofer output of the receiver/processor has been enabled. If no subwoofer is being used, make sure the left and right front and rear speakers have been configured as "LARGE". See your receiver/processor's owner's manual for further information on correct speaker configuration in Dolby Digital, DTS and other surround sound modes.

IF THE SYSTEM PLAYS AT LOW VOLUMES BUT SHUTS OFF AS VOLUME IS INCREASED:

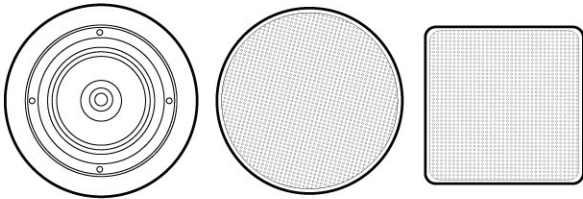
- Check all wires and connections between receiver/amplifier and speakers. Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut, punctured or touching each other.
- If more than one pair of main speakers is being used, check the minimum-impedance requirements of your receiver/amplifier.

Thank you for purchasing this PYLE in-wall/in-ceiling speaker system. It is a state-of-the-art product carefully designed and manufactured for your installation needs, and has been thoroughly tested to ensure consistent and reliable performance.

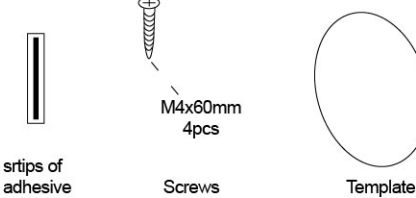
If you have any question about the installation or operation of your PYLE in-wall/in-ceiling speaker system which are not answered by this manual, contact your dealer immediately.

INCLUDED

IN-CEILING SPEAKERS

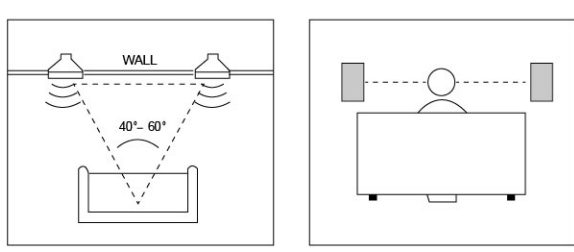


One pair of speakers with grilles.
One pair of speakers with grilles for PDIC1656/PDIC1666/PDIC1686/PDIC16106

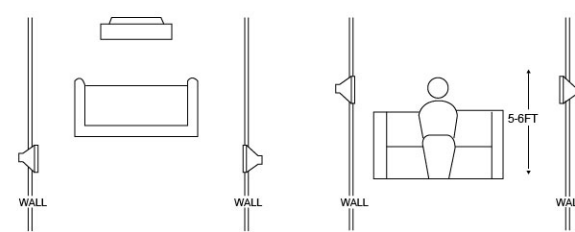


SPEAKER PLACEMENT

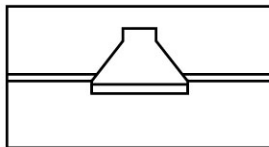
FRONT SPEAKERS



REAR SPEAKERS



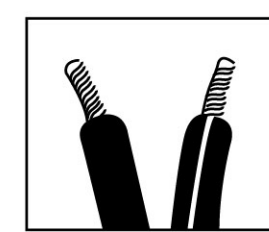
IN-CEILING



Proper placement of the speakers is an important step in obtaining the most realistic soundscape possible. These recommendations are for the optimum placement of the loudspeakers. Use these placement recommendations as a guide. Slight variations will not diminish your listening pleasure. The front speakers should be placed the same distance from each other as they are from the listening position. They should be placed at about the same height from the floor as the listener's ears will be, with the tweeters aimed toward the listener at ear-level height. In a home theater configuration, the two surround speakers should be placed slightly behind the listening position and ideally should face each other and be at a level higher than the listener's ears. If that is not possible, they may be placed in a wall (or in the ceiling) behind the listening position, facing forward. The surround speakers should not call attention to themselves. They should provide a diffuse, ambient sound accompanying the main program material heard in the front speakers. In Dolby Digital and DTS systems, aim the tweeters toward the listening position at ear-level height.

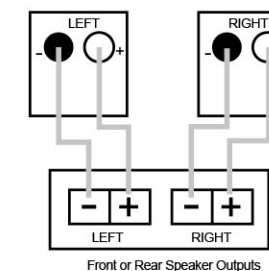
SPEAKER CONNECTIONS

CONNECTION TIPS



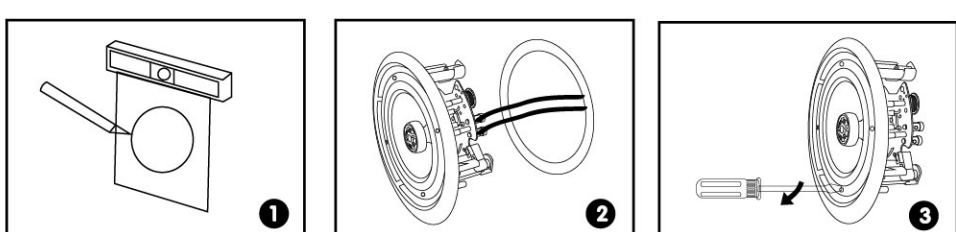
The wires for both speakers should be the same length. If one speaker is placed closer to the amplifier than the other, hide the excess wire behind the wall. Speakers and electronics terminals have corresponding (+) and (-) terminals. We use red to denote the (+) terminal and black for the (-) terminal. It is important to connect both speakers identically: (+) on the speaker to (+) on the amplifier and (-) on the speaker to (-) on the amplifier. Wiring "out of phase" results in thin sound, weak bass and a poor stereo

image. With the advent of multi-channel surround sound systems, connecting all of the speakers in your system with the correct polarity remains equally important in order to preserve the proper ambience and directionality of the program material.

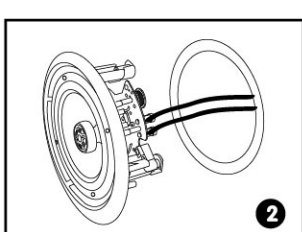


EXISTING CONSTRUCTION

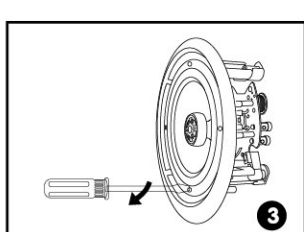
IN-CEILING SPEAKERS



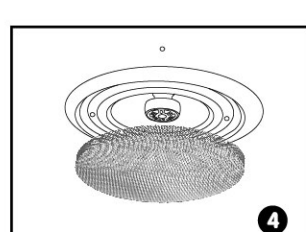
1 Cut the drywall. Note: Always allow at least one-half inch between a wall stud and the speaker outlet or the locking tabs will not be able to swivel into place.



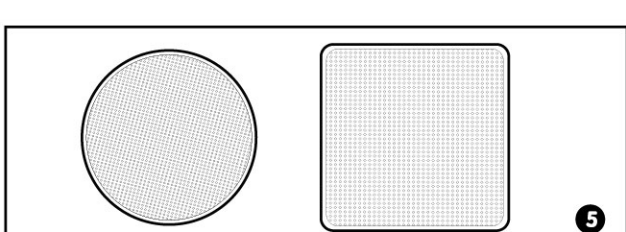
2 Connect the speaker wires to the speaker.



3 Screw down each of the four Phillips head screws. The locking tabs will swivel into place and secure the unit to the rear surface of the drywall. Put in the strips of adhesive to secure the grille.



4 Replace the metal grille.



5 Complete.