



## IN-CEILING/WALL-MOUNT SPEAKERS INSTALLATION / OWNERS' MANUAL

### MODEL IC5 / IC6 (NON-AMPLIFIED SPEAKERS)

#### SPEAKER SPECIFICATIONS:

|                               | MODEL IC5   | MODEL IC6   |
|-------------------------------|---|---|
| System Description            | 2-Way Co-Axial Speaker                                | 2-Way Co-Axial Speaker                                |
| High Frequency Driver         | 1/2".Hard Dome Tweeter Ferrofluid cooled              | 1/2" Hard Dome Tweeter Ferrofluid cooled              |
| Low Frequency Driver          | 5-1/4" Paper Coated Woofer with Polyurethane Surround | 6-1/2" Paper Coated Woofer with Polyurethane Surround |
| Impedance                     | 8 Ohms  | 8 Ohms  |
| Sensitivity (1 Watt, 1 Meter) | 85.2 dB   | 86.5 dB   |
| Frequency Response            | 70Hz - 20kHz  | 45Hz - 20kHz  |
| Power Rating                  | 20 W Nominal, 40 W Max.                               | 25 W Nominal, 50 W Max.                               |
| Recommended Amplifier Power   | 40 Watts  | 50 Watts  |
| Dispersion                    | 140°  | 120°  |
| Size                          | 8" x 2-1/2"   | 9" x 2-1/2"   |
| Cut Out Size                  | 6-5/8"  | 7-11/16"  |

#### INSTALLATION:

##### Speaker Placement

Before installing your OWI speakers, consider the placement carefully, taking into effect the location of electrical, plumbing and other fixtures.

##### Placement in Ceiling

OWI speakers should be ideally located above the primary listening area.

##### Placement in Wall

Optimum sound will be achieved when your OWI speakers are installed at ear level or slightly higher and the listening area is no closer to the speakers than the distance between the speakers themselves.

##### Mounting your OWI Speakers

Determine the best area to mount your OWI speakers. It will be necessary to run your speaker wires to that location. This location must be free of obstructions, such as electrical conduits, HVAC ducts, or water lines.

Be sure the mounting surface is between 3/8 and 1 1/4 inches thick, and there is at least a 2 3/4 inch clearance behind the mounting surface and no wall studs or other objects block the back of the speaker.

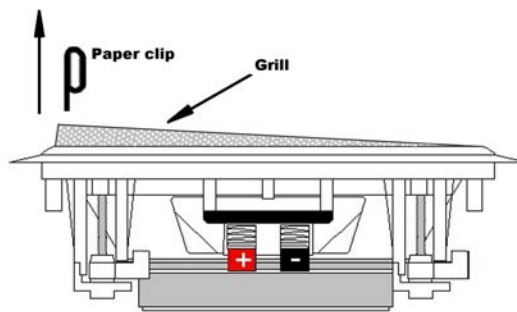
Remove the round cardboard disc from the template supplied and keep it for later use as a paint mask, if you decide to paint your speakers.

Use the template to mark the position for the mounting hole at the selected location. If you are not certain that no obstruction exists (electrical wiring, plumbing, etc.), you should start by cutting a small hole in the center of your penciled mounting hole with a drywall or keyhole saw, cutting at a 45 degree angle towards the inside of the hole. Cutting a small hole at this angle will make drywall repair much easier. Once you have determined there are no obstructions in your desired mounting location, start cutting the finished hole at a 90 degree angle to the wall/ceiling surface.

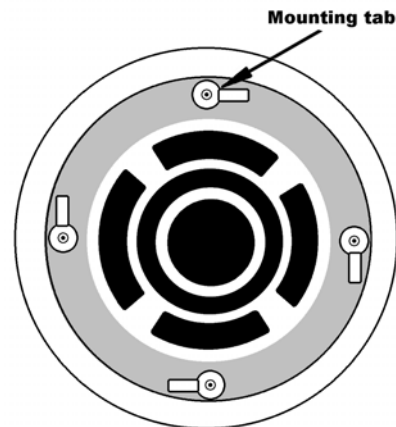
Route the speaker wires from your amplifier to your opening. Avoid routing the speaker wire near electrical wires. If you have to run them parallel, make certain to space the speaker wires at least 2 feet from the AC line. Do not nail or staple the speaker wire.

### Preparing your OWI Speakers for Mounting

Insert a paper clip into one of the grille openings, then pull upwards to remove the grille.



Be sure to position the four Mounting Tabs on your OWI speaker inward, then insert the four screws (supplied) from the front of the speaker into the screw opening.



Attach the speaker wires to the speaker terminals.

Insert your OWI speaker into the opening and tighten the four screws. As you tighten the screws, the tabs will automatically flip into an outward position thereby clamping the drywall between the feet and the flange of the speaker. **BE CAREFUL NOT TO OVER TIGHTEN, OVER TIGHTENING MAY WARP THE BAFFLE, CRACK THE WALL, CAUSE THE FLANGE TO DISTORT AND MAKE THE GRILL DIFFICULT TO INSTALL.**

Push the grille firmly into the slot in the speaker baffle.

### **Painting your OWI Speakers**

The speakers' other surfaces are primed to accept ordinary latex wall paint or aerosol spray paint. The surface of the speaker behind the grille should remain black and must not be painted. It is necessary to mask this area with the center of the template that you have cut out.

The grille can be painted as well, but great care must be taken not to clog the holes in the grille as this will greatly reduce the sound quality of the speakers. It is recommended that only light spray painting using 5 parts thinning agent to 1 part paint be used. Do not paint the grilles while they are attached to the speaker.

### **Proper Wire Gauge Selection**

The gauge of wire required is determined by the distance between your amplifier/receiver and the speakers. Use the following chart as a guide:

| <b>Length</b>     | <b>Minimum Gauge</b> |
|-------------------|----------------------|
| Less than 10 feet | 18 - 20 Gauge        |
| 10 to 100 feet    | 16 to 18 Gauge       |
| Over 100 feet     | 14 Gauge             |

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OWI INC.

**LIMITED FIVE YEAR WARRANTY**  
**(IC5/IC6 NON-AMPLIFIED IN-CEILING SPEAKER)**

1. Your OWI speakers have been thoroughly tested and inspected at the factory. They are warranted for 5 years from the date of purchase. **It is the owner's responsibility to establish the date of purchase by acceptable evidence at the time service is sought.**
2. If the speaker proves to be defective in materials or workmanship within five years from the date of the original customer purchase, OWI, at its sole option may repair or replace the unit with a current model of equal or greater value. In some cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, OWI assumes no responsibility or liability for such modification.
3. Exclusion of certain damages

Liability for any defective product is limited to repair or replacement of the product at our option. OWI Inc. shall have no liability whatsoever for any incidental or consequential damages of any kind of character because of product defect. **The sole responsibility of OWI Inc. under this warranty shall be limited to the repair of the product or replacement thereof, and is the sole discretion of OWI Inc.** Some states do not allow limitation on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply.

4. This warranty does not cover:
  - a. Damage caused by abuse, accident, misuse, negligence, improper operation(installation), overdriven with excessive amplification.
  - b. Products that have been altered or modified.
  - c. Any product whose serial number has been altered or removed.
  - d. Normal wear and maintenance.
  - e. Damages caused by shipping. All claims for shipping must be made with the carrier.

5. What OWI Inc. will pay for and what YOU must pay for:

OWI will repair or replace unit(s) covered by this warranty without charge to the customer for labor or materials. **You are responsible for any installation or removal charges and for any initial shipping charges**, if the unit(s) must be shipped for warranty service. However, OWI Inc. will pay the return shipping charges to any destination within the USA, if the repairs are covered by the warranty.

6. Warranty Service

Units for warranty repair must be sent to OWI Inc., or to the dealer where purchased, postage prepaid. Copy of original proof of purchase to be included with the speaker(s).

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