

Zachry®

INW-2/4/5/6 /8 In Wall / Ceiling models

Congratulations on investing in ZACHRY's Architectural Speaker Systems. You will find this information valuable for the long-term enjoyment of your speaker system.

Break In Period. Certain parts and materials are used in these INW-2/4/5/6/8 products so maximum performance can be obtained in damp and dusty environments such as wall and ceiling cavities. Therefore, we strongly advise that you resist temptation to play your ZACHRY speakers to their full capabilities until they have been properly broken in. This process should last appx. 20-40 hours of music playback. This can easily be done by putting your compact disc player on Repeat mode, while playing a CD with reasonable Bass content at average room volume listening levels.

Installation.

Step 1. Decide the placement for your speakers. Advance planning in regards to the placement of your speakers is critical. It is imperative that the wall or ceiling cavity be free from debris, moisture, insulation, and any materials that are easily combustible. The mounting location must also be void of wall studs or bracing in the location for the cutout. Adequate depth for the speakers to fit flush to the wall or ceiling surface is important. If you are unsure of the contents of the wall in which you wish to mount the speakers, simply drill a small hole and using a metal coat hangar, insert the end of the hangar into the wall and twist it to feel for any debris or wall studs. Electronic Stud Finders work well also.

Step 2. Once you have determined the final mounting position, use the supplied template and mark the cutout on the wall or ceiling, depending on the model purchased. To mark the cutout size, simply trace an outline of the supplied template, found in the box with a pencil.

Step 3. Using the appropriate wall-cutting tool, accurately cut the hole in the wall material, based on the appropriate cutout dimension.

Step 4. Install speaker cable(s) from the receiver or amplifier to the inside of the wall or ceiling, and leave enough slack in the wire so that it can hang out of the hole.

Step 5. Connect the speaker wire from the positive (RED+) terminal on the receiver to the positive (RED+) terminal on the speaker. Connect the negative (BLACK-) the same way to the negatives. Note: If you inadvertently reverse one of the connections (i.e. RED to BLACK) you will notice a severe lack of Bass from your system. This is called wiring your system "Out of Phase". If this occurs, check the wiring and reconnect as necessary.

Step 6. Remove metal grilles. (see below) For all models, gently adjust eyeball tweeter to aim towards main listening area. See below for fine-tuning. For models INW-2/6/8, set Boost switches to desired setting (see below). Insert the entire speaker into the hole, and using a Phillips screwdriver, tighten the screws attached to the dog clamps until firm. NIP THESE UP - DO NOT OVERTIGHTEN. Note: If you are unable to install these speakers yourself, please contact an authorized electrician or installation contractor.

How to Remove Grilles. Each speaker has 4 or 6 dog clamps that swivel. By hand, swing all of these 90 degrees anticlockwise and press up towards metal grille. This will pop the grille off.

Boost switch. For models INW-2/6/8, set Bass and Treble switches to either (+) or (-) positions. The (-) position maintains a flat, even frequency, while the (+) position will increase the sound output to the tweeter. Your speakers are factory set to (+) which is recommended.

Centre Speaker Application. All INW-2/4/5/6/8 models can be used as Centre Speakers, however for the all important Centre Channel we recommend the INW-5 which is a true, dedicated Centre Speaker. Twin 5" drivers and high power handling allow high transient capability and is magnetically shielded. CRT TV's require speakers within close proximity to have magnetic shielding. Plasma, LCD, LED, OLED and Projection screens do not require this.

Rear Speaker Application. The INW-4 model is unique in that it "projects down-and-forward" due to its recessed driver mounted at 40 degrees. This tends to cast a wider dispersion desirable for Rear speaker Home Theatre application.

Painting. Match your room décor by gently removing the grille and use the painting mask template (supplied) to protect speakers from over spray. Paint grille separately for best results.

Black Bluetack. 6-8 small pieces are supplied in each carton. If concerned with metal grille rattling or becoming loose over time, you may use 3-4 pieces per speaker by laying this gum into bottom of trough and pressing metal grille into same to prevent rattling.

Fine Tuning your Speakers.

To fine tune your speakers, you can adjust the angle of the tweeter slightly in order to compensate for poor mounting locations. Do this by adjusting tweeter casing. Do not touch the tweeter in any way as permanent damage may occur.

	INW-2	INW-4	INW-5	INW-6	INW-8
Shape	Round	Oval	Rectangular	Rectangular	Rectangular
Suited for	Wall or ceiling	Ceiling	Centre/Wall	Wall or ceiling	Wall or ceiling
Description	6.5" 2 Way	6.5" 2 Way	Twin 5" 2 Way	6.5" 2 Way	8" 2 Way
Tweeter size	28mm Silk Dome	28mm Silk Dome	28mm Silk Dome	28mm Silk Dome	28mm Silk Dome
Power Handling	110 W RMS	110 W RMS	140 W RMS	110 W RMS	140 W RMS
Nom. impedance	6 Ohms	6 Ohms	6 Ohms	6 Ohms	6 Ohms
Sensitivity	92 db	91db	91db	91db	91db
Frequ. Resp.	55Hz-21kHz	53Hz-21kHz	65Hz-21kHz	53Hz-21kHz	50Hz-21kHz
Mounting depth	100mm	135mm	75mm	80mm	95mm
Eyeball tweeter?	YES	YES	YES	YES	YES
Paintable ?	YES	YES	YES	YES	YES
Tweeter Protect ?	YES	YES	YES	YES	YES
Mag shielding ?	NO	NO	YES	NO	NO
Dimensions	243 mm diam.	238 x 294 mm	420 x 200mm	311 x 208 mm	380 x 260mm
Warranty	5 Years P/L	5 Years P/L	5 Years P/L	5 Years P/L	5 Years P/L

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