

# Adept Audio®

## In-Wall Speaker Specifications & Installation Manual

VERSION 2026-06



[adeptaudio.co.nz](http://adeptaudio.co.nz)

IWLCR56 • IWLCR66 • IW62

# Adept Audio®

Thank you for buying Adept Audio Ceiling Speakers. Our loudspeakers deliver superior sound quality, underpinned by the expertise of leading designers who have developed product lines for the world's leading architectural audio brands for more than 30 years.

This manual provides all the necessary information for installation. If for any reason you experience problems or if you have installation questions, please contact us at [info@connectedmedia.co.nz](mailto:info@connectedmedia.co.nz) or 0800 232 0023

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[info@connectedmedia.co.nz](mailto:info@connectedmedia.co.nz)

Phone 0800 232 0023

# Warranty

Adept Audio warrants to the original end user only that our products will be free from defects in materials and workmanship, provided the product was purchased from an Adept Audio authorised dealer.

The following warranty periods apply:

- 10 years for passive indoor speakers
- 3 years for active electronics and outdoor speakers

If the product is determined to be defective, it will be repaired or replaced at Adept Audio's discretion. If the product must be replaced yet it is no longer manufactured, it will be replaced with a model of equal to or greater value that is the most similar to the original. If this is the case, installing the replacement model may require mounting modifications; Adept Audio will not be responsible for any such related costs.

This warranty may not be valid if the product was purchased through an unauthorised dealer. This warranty only applies to the individual that made the original purchase, and it cannot be applied to other purchases. The purchaser must be prepared to provide proof of purchase (receipt). This warranty will not be valid if the identifying number or serial number has been removed, defaced, or altered.

## Requirements & Warranty Coverage

All warranties and warranty conditions are subject to change.

These conditions are not covered by warranty:

- Accidental damage
- Damage caused by abuse or misuse
- Damage caused by attempted repairs/modifications by anyone other than Adept Audio or an authorised service agent
- Damage caused by improper installation
- Normal wear, maintenance and environmental issues
- Damage caused by voltage input in excess of the rated maximum of the unit
- Damage inflicted during the return shipment

## What's Included

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Speaker • Manual • Template

### Tools You'll Need

- Drywall Saw
- Speaker Wire
- Pencil
- Wire Stripper
- Measuring Tape
- Screwdriver
- Drill
- Drill Bit 1/8"(3mm)
- Stiff Wire
- Stud Finder

## Speaker Cable Choice

If you are running speaker cables through walls and ceilings, make sure your cables are CL3-rated for in-wall use.

To ensure the best performance from the speakers, use stranded speaker wire of the appropriate gauge for the length of the wire run.

- 0 - 30m: 16 gauge – We recommend Kordz ONE Series 16AWG Speaker Cables
- 15 - 45m: 14 gauge – We recommend Kordz ONE Series 14AWG Speaker Cables
- Over 45m: 12 gauge – We recommend Kordz ONE Series 12AWG Speaker Cables
- Wiring outdoors in direct NZ sunlight? Try Kordz UV-Resistant Speaker Cables

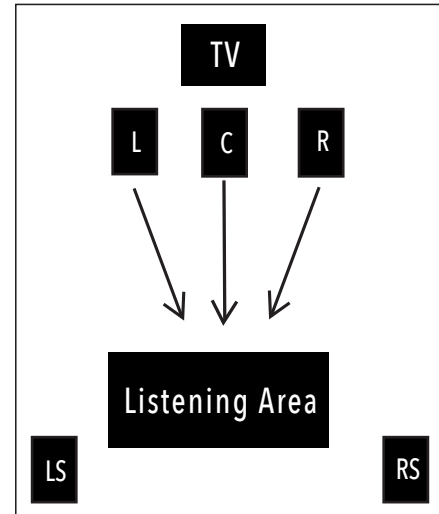


kordz.nz

## Speaker placement

The speaker layout showing In-wall LCR speakers for front left, center and right channels, and in wall for left and right surround channels. The further you spread the front left and right speakers apart, the more spacious (but less focused) the sound will be.

Figure 1



## IW62 Speaker

The IW62 can go be mounted practically anywhere in a wall, provided the existing infrastructure (vents, ducts, electrical, joists, pipes, etc.) does not interfere with the speaker placement. If you're running the IW62s in mono, simply position them at a distance that provides adequate coverage of the space, typically with the speakers 3-5m apart. If you're running them in stereo, you may wish to install pairs of speakers with each speaker in the pair equal distant from where people will most likely sit, and the speakers spaced about 3m apart.

## IWLCR56 and IWLCR66 Speakers

In-wall LCR speakers need to be positioned near the screen. Typically the left and right front speakers will be oriented vertically and installed 15-50cm to either side of the screen. The center speaker is typically oriented horizontally, and mounted to the middle of the screen, 15-30cm below or above the screen. In a 5.1 or 7.1 surround sound system, you can use whatever speakers you like: the IWLCR56 or IWLCR66 in-wall LCRs, the IW62 standard in-wall, or any Adept Audio ceiling speakers.

## Installing the Speakers

When you've decided on the locations for all of the speakers, use the template to trace a circle lightly in pencil where each hole should be. (If you don't have a template, check the Specifications section for cutout sizes.) If you're unsure on whether there may be obstacles (such as pipes or wires) where you plan on installing the speaker, drill a 1/8 inch hole in the center of the rectangle, then put a bent coat hanger through the hole to feel around. Use a keyhole or drywall saw to cut the hole.

### **Painting the grilles**

The grilles can be painted to match the color of walls or trim. The grille must be painted with spray paint, either from a can or a sprayer. Before painting, carefully remove the thin cloth on the underside of the grille. Lightly spray the front of the grille with the paint from a distance, being careful not to plug any of the holes. Diluting the paint with paint thinner will lessen the risk of filling any holes. If a hole gets plugged, use a can of compressed air to open it. Once the paint is dry, put the cloth back on the grille.

### **Connecting the speaker cables**

To connect a speaker cable, first strip 1cm of insulation from each conductor of the cable, and lightly twist the exposed strands between your fingers to make sure there are no stray strands sticking out. Be sure to connect the positive half of the cable (usually marked with a line on the side, or sometimes with red or white insulating jacket) to the positive speaker cable connector, which is marked with a red dot. Press down on the speaker cable connector until a hole appears in the side, then insert the stripped end of the cable and release the connector. Repeat with the other half of the cable. Give each cable a light tug to make sure it's secure.

### **Installing the speaker in hole**

Once the speaker cable connections are made, lift the speaker into the hole in the wall, and push it against the wall so it fits flush. Use a drill or screwdriver to tighten the mounting screws on the speaker's front baffle. If you use a drill, select a lower torque setting. Tighten the screws just enough so that the dogear clamps firmly against the wall and nothing rattles when all the screws are tightened and you tap a couple of fingers firmly against the speaker's front baffle.

### **Aiming the Tweeter**

The IWLCR56 and IWLCR66 use a pivoting tweeter that can be pointed toward the listening area. To move the tweeter, press lightly on the edge. Be careful not to touch the tweeter dome. Point the tweeter toward the primary listening seat.

### **Installing the Grille**

Position the grille so it fits completely over the speaker, then press it against the speaker until the speaker's integral magnets grab hold of it.

### **Removing the Speaker**

If you need to remove the speaker, first remove the grille off by pulling on one edge of the grille until it comes loose, then gently pulling the rest of the grille out. Now loosen the mounting screws until the dogears behind the speaker are all loose, then pull the speaker free of the wall.

## Specifications

### **IWLCR56**

Dual 5" Injection-Molded Graphite (IMG) Woofers  
1" Pivoting Aluminum-Dome Tweeter  
Power Handling: 100 Watts  
Frequency Range: 60Hz-20kHz  
Sensitivity: 90dB SPL, 1 W, 1 m  
Impedance: 8 ohms  
Speaker Cutout: 168 x 364mm  
Grille Dimensions: 200 x 396mm  
Mounting Depth: 89mm

### **IWLCR66**

Dual 6 ½" Injection-Molded Graphite (IMG) Woofers  
1" Pivoting Aluminum-Dome Tweeter  
Power Handling: 125 Watts  
Frequency Range: 50Hz-20kHz  
Sensitivity: 90dB SPL, 1 W, 1 m  
Impedance: 8 ohms  
Speaker Cutout: 168 x 364mm  
Grille Dimensions: 200 x 396mm  
Mounting Depth: 89mm

### **IW62**

6 ½" Polypropylene Woofer  
1" Pivoting Silk-Dome Tweeter  
Power Handling: 150 Watts  
Frequency Range: 45Hz-20kHz  
Sensitivity: 90dB SPL, 1 W, 1 m (3.3 ft)  
Impedance: 6 ohms  
Speaker Cutout: 186 x 283mm  
Grille Dimensions: 219 x 316mm  
Mounting Depth: 89mm

## Troubleshooting

**No sound from all speakers:** Make sure the amplifier and source device (music streamer, CD player, Bluetooth receiver, etc.) are turned on and music is playing. Check the connections between the source device and the amp to make sure they are firmly connected and that the cables are in good condition. If all units are on and the connections are good, disconnect the AC cord from the amp, wait for 5 minutes, plug it back in and try again.

**No sound from one speaker:** Check the cable connections on the speaker and the amplifier. If they are good, check the connection from the source device to the amp, to make sure both stereo channels are connected. If all these connections are good, twist the speaker to remove it from the bezel ring, then bring it down by the amp. If the speaker works, the installed cable between the speaker and the amp is damaged and will have to be spliced or replaced. If the speaker still doesn't work with a direct cable to the amp (but other speakers connected to that amp do work), unplug the AC cable to the amp, wait 5 minutes, then plug it back in and try the speaker again. If it still doesn't work, contact Adept Audio.

**Sound seems unfocused or bass is weak:** Check the polarity of the speaker cable connections on the amp and the speaker. The marked (or white or red) conductor of the cable should be connected to the positive (usually red) terminals on the speaker and the amp. The unmarked (or black) conductor should be connected to the negative (usually black) terminals on the speaker and the amp. If the polarity of a connection is wrong, reverse it and listen again.

**If you have any questions or concerns about installing or using this product, you can reach us through one of the following methods:**



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# NOTES

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