

Adept Audio®

In-Wall Speaker Installation Man-



IWLCR56 • IWLCR66 • IW62

Adept Audio®

Thank you for buying Adept Audio In-Wall LCR Speakers. We believe that all of our loudspeakers sound really excellent. And that's because they're designed and voiced by guys who have been focusing on architectural speakers for some of the biggest brands over the last 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 call us at (888) 982-3378. Hours of operation are 8:00am to 5:00pm (Pacific Time), Monday through Friday.

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Limited Lifetime Warranty

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

Requirements & Warranty Coverage

This warranty may not be valid if the product was purchased through an unauthorized 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.

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 authorized dealer
- Damage caused by improper installation
- Normal wear, maintenance, and environmental issues
- Damage caused by voltage inputs in excess of the rated maximum of the unit
- Damage inflicted during the return shipment

What's Included

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
- Fish Tape
- Spray Paint
- Compressed Air

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 - 100' (0 - 30m): 16 gauge

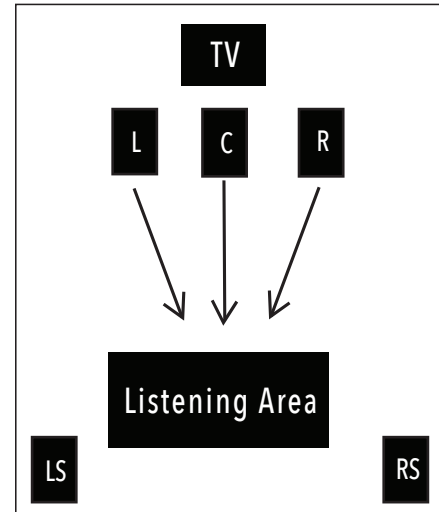
50 - 150' (15 - 45m): 14 gauge

Over 100' (30m): 12 gauge

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 10-15 feet 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 10 feet 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 6 inches to 3 feet to either side of the screen. The center speaker is typically oriented horizontally, and mounted to the middle of the screen, 6 inches to 1 foot 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 ½ inch 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 (3.3 ft)
Impedance: 8 ohms
Speaker Cutout: 6 5/8" x 14 3/8"
(168 x 364mm)
Grille Dimensions: 7 7/8" x 15 5/8"
(200 x 396mm)
Mounting Depth: 3 1/2" (89mm)

IWLCR66

Dual 6 1/2" 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 (3.3 ft)
Impedance: 8 ohms
Speaker Cutout: 6 5/8" x 14 3/8"
(168 x 364mm)
Grille Dimensions: 7 7/8" x 15 5/8"
(200 x 396mm)
Mounting Depth: 3 1/2" (89mm)

IW62

6 1/2" 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: 7 3/8" x 11 1/8" (186 x 283mm)
Grille Dimensions: 8 5/8" x 12 7/16"
(219 x 316mm)
Mounting Depth: 3 1/2" (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:

Phone: (888) 982-3378

Hours of operation: 8:00am - 5:00pm (Pacific Time), Mon - Fri

Email: support@adept-audio.com

If you are having technical trouble, please include the model number and briefly explain what steps you took to resolve the problem in your email, or be prepared to answer these questions over the phone. If you are considering returning the product, it's required that you contact Adept Audio prior to any return attempts. This way we can determine if the issue can be resolved without returning the product, or if needed we can provide instructions and support for the return process.

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