



User Manual - CL-70v



Choosing the Speaker Location

Before you install your speakers you should take careful consideration of their location. Make sure to note the location of lighting fixtures, electrical, plumbing and any other obstructions. If the house was pre-wired at construction time, make sure you know where the speaker cable is located in the wall or ceiling.

Wall Placement: When placing your speakers into the wall, if possible, the tweeter should be positioned at ear level or slightly higher. Take into consideration furniture locations when finalizing your speaker locations.

Ceiling Placement: When placing your speakers into the ceiling, if possible, they should be mounted above the listening area. Take in consideration furniture locations when finalizing your speaker locations.

Prep before Speaker Installation

If your speakers were pre-wired at construction time, your dealer might have used TRUAUDIO's RC-6 prior to drywall at each speaker location. (There should also be speaker cable at this location). After the drywall is installed and the hole is cut the speaker is then easily installed. Move on to Speaker Installation.

If the drywall has not been cut please read the following instructions: Please note, speaker cable should be run to each speaker location prior to speaker installation. Locate the desired location for the speaker to be mounted. Check the area for obstructions such as plumbing, heating ducts or electrical wiring.

Next, locate the wood studs or joists nearest the desired location. Use the supplied speaker cutout to get the recommended hole dimensions. Position the cutout in the desired location and outline the speaker opening. If you are not sure of possible obstructions, cut a small hole in the center of your outline. This will allow you to check for obstructions. If there are no problems with your mounting location, proceed and

cutout the outlined hole.

If the wall or ceiling is not already insulated, we suggest adding insulation, Dacron or some other sound dampening material. If this material has a foil layer, position the foil away from the speaker magnet.

Amplifier Selection and Wiring:

Our CL-70v speakers can be used with a traditional 8 ohm amplifier, or with a 70V / 100V amplifier. Typically you would choose an 8 ohm amplifier when the distance to the speaker is short and you will not be daisy-chaining the speakers.

You would typically choose a 70V / 100V amplifier when the distance to the speakers is long (over 40') or when you are installing multiple speakers and would rather daisy chain them instead of wiring each speaker back to its own amplifier channel. Each CL-70v speaker has a switch at the rear for selecting either 8 ohm or one of 5 different 70V / 100V settings. When wiring the speakers to an 8 ohm amplifier, always use the 8 ohm setting to avoid damaging the amplifier. When using a 70V / 100V amplifier, set the switch position to the desired wattage setting. There are 5 settings from 2.5W to 25W.

This setting determines approximately how much power the speaker will draw from the amplifier. When daisy-chaining multiple speakers, add the combined wattage settings for all speakers on the circuit to calculate the total wattage draw to the amplifier. For example, if there are 5 speakers on a circuit and each speaker is set to 15W, this would represent a total draw of 75 Watts to the amplifier.

To avoid damaging the amplifier, this total should not exceed 80% of the wattage rating of the amplifier. When using a 70V / 100V amplifier, it is possible to daisy-chain the speakers to minimize the number of amplifier channels and the amount of wire required. See the diagram below for an example of daisy-chaining. When daisy-chaining multiple speakers together, typically each speaker on a circuit



will be set to the same wattage setting. However the wattage setting may be used in some instances to increase or decrease the volume of a particular speaker on the circuit. Be careful to not exceed the capabilities of the amplifier when changing wattage settings.

Speaker Installation

Remove the grill from the speaker frame. If needed, carefully push one or two of the dog ear (mounting legs) mounting screws inward to get the grill off. Attach the speaker wire. Caution: Make sure to observe polarity (positive + to positive + and negative - to negative -).

When hooking up the amplifier connect the right channel of the amplifier to the right channel of the speaker. Do the same for the left channel.

Now, turn all the dog ears in toward the speaker. This will allow the speaker to easily fit into the cut hole. Insert the speaker into the hole making sure to keep the speaker level. Carefully tighten the mounting screws evenly to secure the speaker.

As you tighten the screws, the dog ear mounting feet will flip into position to grip into the drywall. DO NOT over tighten the mounting screws. Once again, check to make sure the speaker is level. Push on the grill into the grooves in the speaker frame.

Painting the Speaker

If you are going to paint your speakers, we suggest painting them prior to the installation. If you must paint them while they are still in the wall, remove the grill and replace it with the provided paint guards. Then you may proceed and paint the frame of the speakers. When painting the grills, paint them lightly and be careful not to clog the holes. Do not paint the grill while its still on the speaker, paint them separately.



A suspension tab has been placed on the enclosure between the speaker terminals to facilitate an auxiliary support cable.

NOTE: IT IS MANDATORY THAT THIS SECONDARY

SUPPORT BE UTILIZED IN DROP CEILINGS FOR SAFETY AND SEISMIC CONSIDERATIONS.



CL-70v-6

In-Ceiling 70v 2-way
6.5" polypropylene
0.75" PEI
5-60 watts
8 Ω or 70v/100v
2.5W - 25W selectable
5W - 25W selectable
55 - 20k Hz (+/-3 dB)
88 dB
Aluminum mesh

9.5" (240mm) diameter,
5.9" (150mm) deep,
8.25" (208mm) diameter



SoundVision Technologies dba TRUAUDIO

PRODUCT WARRANTY

All in-wall, in-ceiling, volume controls and freestanding loudspeakers have a limited lifetime warranty. This warranty includes lifetime parts and repair labor on all components. Powered subwoofers and active electronics have a one (1) year limited warranty. This warranty includes one (1) year parts and repair labor on all components. TRUAUDIO's obligation under these warranties is limited to repairing or replacing any component found defective in material or workmanship under normal conditions of use. These warranties shall not apply to products which have been abused, modified, disassembled, or repaired by anyone other than TRUAUDIO or one of its appointed service centers. Products to be repaired under this warranty must be returned to the factory or designated service center with all transportation and insurance charges pre-paid.

It is the policy of TRUAUDIO to continuously incorporate improvements into our products. All specifications are subject to change without notice. If you have any questions regarding this or any other TRUAUDIO products, please call 1-888-858-1555, Monday – Friday, 7:00 am – 6:00 pm MST.

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