



User Manual - THIN Series
Thin-Ceiling Architectural Speaker

Thin-Ceiling-P



Thank you for purchasing this Thin-Ceiling TruAudio product. This series of speakers way specifically designed for shallow and concrete installations. Like all of our products, if installed correctly, these speakers will bring you years of outstanding audio and video listening. Please make sure you take the time to read the complete instruction manual before starting the installation

Features

- Shallow full range speaker (2 3/8", 60mm with backbox)
- Backbox included
- Frameless Ghost style grill
- Designed to install into conduit boxes like Spelsberg IBTronicsXL

Unpacking and Inspection

These in-ceiling loudspeakers are packaged extremely well to make sure no damage occurs during shipping. Carefully open the box and remove the speakers. Inspect them immediately for any kind of damage. The speakers should have left our warehouse in perfect condition so any damage must be reported to your dealer or to TruAudio right away.

Choosing the Speaker Location

Before you install your speakers you should take careful consideration their location. Make sure to note 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.

Preparation before Speaker Installation

If your installation was pre-wired for speakers at construction time. After the drywall is installed and the hole is cut, the speaker is then easily installed. Once the hole is cut in the drywall or concrete conduit box the pre-wired speaker cable should be somewhere near the hole.

If the speaker hole has not been cut from the drywall please read the following instructions: If the house is at the point of actual "Speaker installation", speaker cable should already be run to each speaker location even if the hole is not cut. Find the location to where the speaker wire was pre-wired to. Check the area for obstructions such as plumbing, heating ducts or electrical wiring. Locate the wood studs or joists nearest the desired location and make sure they will not interfere with speaker location. Use the supplied speaker cutout



to get the recommended dimension of the hole needed for that particular speaker. Position the cutout in the desired location and outline the speaker opening to be cut. 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. At this point, you should be able to see or find the speaker cable. Pull the cable through the hole.

Speaker Installation

These speakers are mono so you will need two speakers for stereo sound, one for the right channel and one for the left. There should be a two conductor speaker cable pre-wire to each of the speaker locations. Make sure you find each of the speaker cables and pull them through the cut speaker holes.

Preparing the speaker cable: You should have located the speaker cable by now, so it's time to prep it for connection to the speaker. Strip back the outside insulation so the individual conductors are showing. Depending on the cable, there should be two or four separate conductors. Strip back the insulation on each conductor to show the bare copper wire. We suggest stripping enough so that 3/8" of copper wire is showing. Push down each post and insert the speaker cable. The posts will be located on the back of the speaker on the crossover. Make sure that only BARE wire is

touching the speaker post once it slides back into place. All TruAudio products feature gold push binding posts which are quick and simple to use and also are great for conducting speaker signal.

Caution: Make sure to observe polarity, R + (positive) from the amp or volume control to speaker R + and R – (negative) to R –. Make sure to do the same for the left channel.

When connecting the other end of the speaker cable to the amplifier or receiver make sure to observe the same polarity as you did at the speaker connection.

To prepare the speaker for the actual installation, turn all the mounting toggles (dog ears) in toward the speaker frame. This will allow the speaker to easily fit into the precut hole. Put the speaker into the hole (the speaker cable should be connected) and make sure the speaker cable stays connected to the speaker. Carefully tuck the speaker cable up into the hole as you put the speaker into place. Hold it in place with one hand and with your other hand carefully tighten the mounting screws evenly to secure the speaker. As you tighten the screws, the dog ears will flip into position to grip into the drywall. DO NOT over tighten the mounting screws. This will cause damage to the mounting toggle and the speaker will not stay in place.

Grill installation: Remove the grill from the box and

install it onto the speaker. Align the grills edges to the outer edge of speaker and allow magnets to attach grill to speaker, carefully push the grill on. Make sure to check all the way around the grill to ensure its sitting on the speaker evenly.

Painting the Speaker

If you are going to paint your speakers, we suggest painting the grills before Installation. This is one of the advantages of the Ghost series speakers, that the speaker itself does not need to be painted, only the grill. The Thin-Ceiling series is a frameless speaker and will save time on labor since the grill can be painted before hand and be ready for install that the same time as the installation of the

speakers.

When painting the grills, it is very IMPORTANT that you remove the cloth like material (Dacron) from the grill before painting, and then you can paint the grills lightly and be careful not to clog the holes. Depending on the thickness of the paint, you may want to thin it slightly. This will help prevent clogging the grill holes. Another suggestion is finding a spray paint that will match and paint the grill with that. Your local hardware store should have as good selection of spray paints. Do not paint the grill while it's still on the speaker, paint them separately.



An example of the THIN-CEILING-P installed in a Spelsberg IBTronicsXL.

THIN-CEILING-P

Speaker Type: In-Ceiling
Woofer: 5" Polypropylene
Tweeter: 1" Aluminum
Power: 5-75 watts
Impedance: 8 ohms
Frequency Response: 65 - 20kHz
Sensitivity: 90 dB
Grill Type: Frameless Steel
Finish Dimensions: 6 3/4" (171mm)
Cutout Dimensions: 5 1/2" (140mm)

SoundVision Technologies dba TRUAUDIO

SPEAKER PRODUCT WARRANTY

All in-ceiling, in-wall, in-room speakers and volume controls have a limited lifetime warranty. This warranty includes lifetime parts and repair labor on all components. The warranty extends only to the original purchaser of the product and not to any subsequent owner. 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 with an equal and/or current product. These warranties shall not apply to products which have been abused, modified, or disassembled. Products to be repaired or returned under this warranty must be returned to the factory through an authorized TruAudio dealer with all transportation and insurance charges prepaid.

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 – 5:00 pm MST.

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