

DIGITECH Audio CS2453 6.5 2-Way Ceiling Speaker



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DIGITECH Audio CS2453 6.5 2-Way Ceiling Speaker



Product Information

Model: CS2453 6.5 2 Way Ceiling Speaker

Specifications

- Weight: 280g
- Dimensions: 12.8.13
- Standards: MT6 GB/T14486-1993, IT14 GB/1800-1999

Product Usage Instructions

Speaker Placement

When determining the placement of the CS2453 Ceiling Speaker, consider the acoustics of the room and your listening preferences. It is recommended to position the speaker in the center of the room for balanced sound distribution. However, you can also experiment with different placements to achieve the desired audio experience.

Hooking Up The Wires

To connect the wires to the CS2453 Ceiling Speaker, follow these steps:

1. Identify the positive (+) and negative (-) terminals on the speaker.
2. Strip off a small section of insulation from the speaker wires.
3. Insert the bare ends of the wires into the corresponding terminals (positive to positive, negative to negative).
4. Tighten the terminals securely to ensure a proper connection.

Mounting the Speaker

To mount the CS2453 Ceiling Speaker, follow these steps:

1. Choose a suitable location on the ceiling for installation.

2. Mark the spot where the speaker will be mounted.
3. Drill holes at the marked spots using an appropriate drill bit.
4. Attach the mounting bracket to the ceiling using screws or other suitable fasteners.
5. Place the CS2453 Ceiling Speaker onto the mounting bracket and secure it in place.

Installing The Grille

After mounting the CS2453 Ceiling Speaker, you can install the grille by following these steps:

1. Align the grille with the speaker and ensure it fits properly.
2. Gently push the grille into place, making sure all edges are securely attached.

Once the installation is complete, sit back and listen to the sound produced by the CS2453 Ceiling Speaker. Ensure there are no vibrations, as they can occur from not properly tightening the screws during installation.

FAQ

• **Q: Can I paint the grille of the CS2453 Ceiling Speaker?**

- A: Yes, you can paint the grille to match your room decor. However, make sure to use paint that is suitable for speaker grilles and follow the manufacturer's instructions.

• **Q: How do I clean the CS2453 Ceiling Speaker?**

- A: To clean the speaker, gently wipe it with a soft, dry cloth. Avoid using any liquid cleaners or abrasive materials that may damage the speaker's surface.

• **Q: Can I install the CS2453 Ceiling Speaker in a bathroom or outdoor area?**

- A: No, the CS2453 Ceiling Speaker is not designed for use in high-moisture environments or outdoor areas. It is recommended for indoor use only.

Model

Model: CS2453 6.5" 2 Way Ceiling Speaker

- Woofer..... 6.5" polymer cone
- Tweeter.....13mm silk dome
- Tweeter Mounted.....Swivel
- Rated Power.....40WRMS
- Sensitivity.....89dB
- Frequency Rate.....43Hz-20 kHz
- Impedance.....8 Ohms
- Dimension228mm diameter x 89mm depth
- Net Weight.....0.95kg/pc

Speaker Placement

Once installed, speakers are not easily moved or repositioned. Take a little extra time to carefully consider a good speaker location before you begin. Each room is unique, so decide what works best for you. Unlike traditional speakers these mount flush and cannot be angled or aimed back into the listening area from the corners of a room

apart from the tweeters you can swivel to any position. As a general rule, in wall speakers the speakers should be mounted close to ear level for in walls at least one-third of the distance from the corner of the room to the center of the wall or ceiling in which you will mount them. Allow at least 30mm of clearance between the cut out and any studs or joists for the mounting hardware to work properly. A mounting depth of 110mm measured from the face of the wall is also required. The speaker location and associated mounting hardware should not conflict with any existing wires or pipes.

Hooking Up The Wires

The terminals will accommodate up to 14-gauge speaker wire, which should be used for longer connections (greater than 20m of wire). For shorter distances, 16 or 18 gauge speaker wire will be adequate. Leave about 1.5m of extra wire at the speaker end to make installation and positioning of the speaker easier. Do not use staples, nails or other metal objects to secure the speaker wire. A short circuit could affect your system's performance and could also damage components in your system, especially the amplifier. You will get the best sound quality and least amount of hum by keeping the speaker wires away from other electrical wires and cables. When connecting your in-wall, in ceiling speakers, it is very important to retain the correct polarity. Positive to positive and negative to negative.

Mounting the Speaker

Yes, you will be cutting a hole in the wall or the ceiling. With the right tools and a little extra care and preparation, installing the speaker can be both quick and easy. Carefully cut out the hole drawn on the paper template at the perforated edge labeled "CUT HERE FOR MOUNTING TEMPLATE". (Note: The inside ring on the template can be used to shield the woofer if you want to paint the frame.) Next, position the template (now a border) where you have chosen to mount the speaker, and trace along the inside edge. Make your cuts along this line. A utility knife will make the cleanest cuts in Gyprock. A keyhole saw, electric jigsaw or Gyprock saw may also be used. Try to keep the cuts neat, however the frame will overlap the hole to hide any rough edges. At this point, with the wall or ceiling open, run the speaker wires into position, and leave about 1m of extra wire at the opening. Remove the grille from the frame by pressing the quick-turn mounting screws from the back of the speaker into the grille itself. Remove the thin piece of foam positioned under the grille, which is used to protect the speaker during transport. Position the swivel tweeter so that it points toward the place in which you will be listening to the speakers. Attach the speaker wires to the speaker. With the grille removed, insert the speaker into the mounting hole. Use a phillips head screwdriver to turn the screw slowly clockwise. The quick-turn mounting system and frame will sandwich or clamp around the wall to hold the speaker in place. Do not overtighten. If you are unsure, consult a professional contractor.

Installing The Grille

The metal grille, as well as the frame, may be painted to match any room. If you choose to paint them, do so before attaching the grille to the speaker. The grille is held in place by a friction fit and is difficult to remove once the speaker is installed. If the grille feels a little loose, or you are concerned about a grille falling from a ceiling installation, we have provided a small amount of putty, which you can apply (sparingly) to the inside rim of the speaker before you insert the grille. The putty acts as an additional adhesive between the grille and the frame. Sit back and listen, make sure there are no vibrations. This can occur from not doing up the screws.



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References

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