



daytonaudio.com
tel + 937.743.8248
info@daytonaudio.com

705 Pleasant Valley Dr.
Springboro, OH 45066
USA



DUAL 4-1/2" 2-WAY CENTER CHANNEL SPEAKER

Model: C452 User Manual



Congratulations on your purchase of the Dayton Audio® C452 speaker. This compact center channel speaker is designed to complement other Dayton Audio speakers in a multichannel home theater system and produce balanced, natural sound with excellent sonic detail that rivals many more expensive speakers. Please read on to discover how to get the most from your new center channel speaker.

1 Parts Inventory

The C452 speaker package includes the following items:

- 1 Dayton Audio C452 speaker
- 1 speaker cable, 2-conductor red/black

2 Installation Tools

No tools are required for installation of the C452 speakers. Additional tools and hardware may be required for wall mounting.

3 Speaker Placement

The purpose of a center channel loudspeaker is to provide clear, intelligible audio that is localized to the screen. The ideal location for your C452 center channel speaker is centered above or below your TV or projection screen. The C452 speaker features dual wall hangers on the rear of the enclosure to facilitate safe and level on-wall mounting using drywall screws, and soft non-marking rubber feet to allow vibration-free shelf placement.

CAUTION: The C452 center channel speaker is compact in size, but substantial in weight. When wall-mounting or shelf-mounting the C452 speaker, be sure that the shelf or wall hangers are anchored to the structure of the building via a stud or drywall insert, to prevent falling of the loudspeakers and potential injury.

4 Speaker Connection

Use the supplied speaker wire or other good quality wire for the connection between your Dayton Audio loudspeakers and the amplifier. For longer runs, heavier wire should be used. For proper performance in a home theater surround sound environment, all speakers in the surround sound system must be connected correctly. To ensure proper polarity, connect the red speaker terminals to the red amplifier terminals and the black speaker terminals to the black amplifier terminals. All 2-conductor wire is marked in some way to help you do this. One side will be marked with a colored stripe, a raised rib, or a different colored conductor. Use the marked side for the “red” connections.

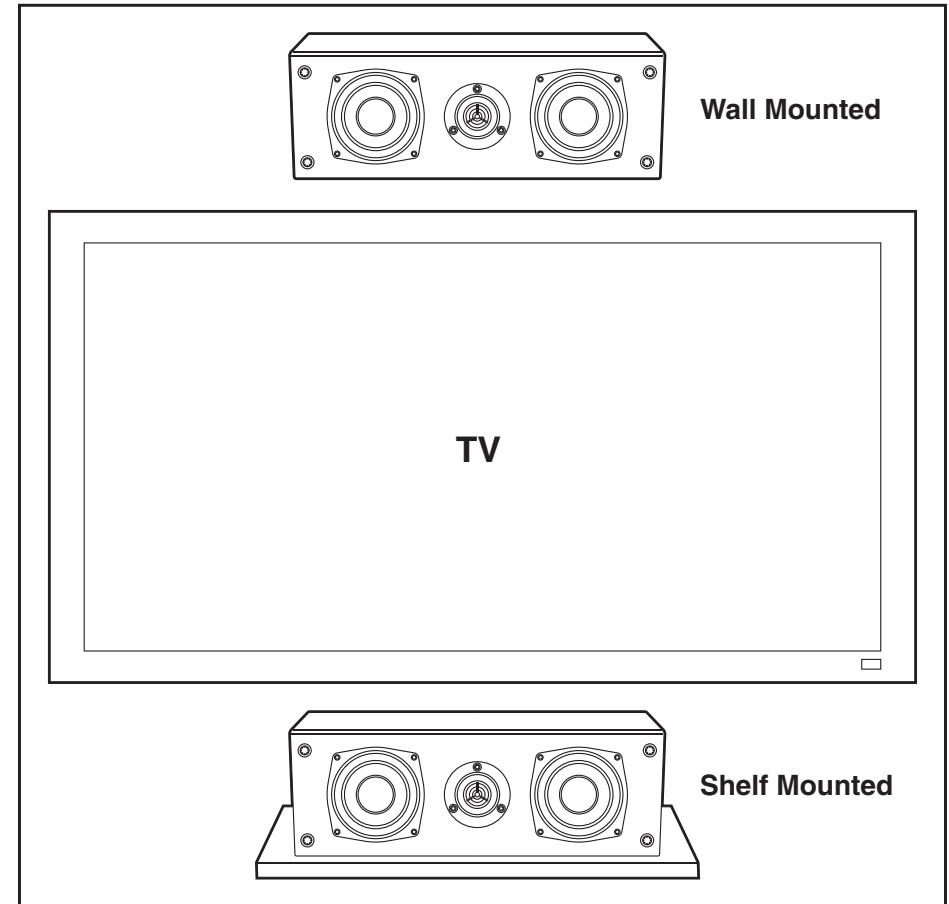
5 Caring For Your Speakers

Clean your speakers by wiping with a damp, lint-free cloth. The finish of your speakers can be maintained and enhanced by periodic use of a surface protection such as “ArmorAll”. The grills may be vacuumed or gently tapped or brushed to remove dust and debris.

POWER RATING NOTE: Almost any speaker can be used successfully with almost any amplifier. Conversely, almost any speaker can be damaged by almost any amplifier—despite either unit’s power rating. The published power rating is accurate only if the volume level is never set above the point of audible distortion. Distortion is an indication that the amplifier or loudspeaker is operating beyond its design limits, and damage may occur – often within seconds. If you hear distortion, immediately reduce the volume. The C452 is designed to be used with stereo equipment rated from 5 to 60 watts and from 4 to 8 ohms.

Dayton Audio loudspeakers are designed to reproduce music and speech in a home environment at moderate volume levels. When used within their limits, Dayton Audio loudspeakers will provide many years of trouble free performance.

Typical Installation



SPECIFICATIONS:

Model Number:	C452
Description:	2-Way Center Channel Speaker
Woofers:	Dual 4-1/2" polypropylene cone with 4-layer coil
Tweeter:	5/8" polycarbonate with ferrofluid cooling
Finish:	Black ebony pica vinyl on MDF
Power Handling:	60W RMS/120W max
Impedance:	6 ohms
Response:	85 Hz to 20,000 Hz
Sensitivity:	86 dB 1W/1m
Crossover:	First order high-pass
Terminals:	Quick-connect spring-loaded terminals
Other:	Keyhole mounting bracket
Dimensions:	H x W x D: 5.5" x 15.75" x 5.7" Depth includes grill*

* Grill is removable, acoustically-transparent cloth