



# **CLASSIC** COLLECTION

Product Manual

Classic B40 | B65 | C40 | T65



# Welcome

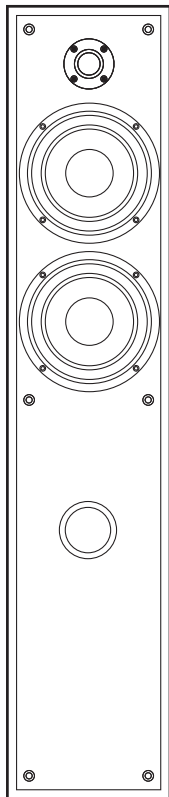
Thank you for choosing the Dayton Audio Classic Collection Series of loudspeakers. These speakers are designed to provide a clear and immersive listening experience for home theater and music fans alike. Dive into your favorite music, movies, and games, and discover a whole new level of audio richness.

This series features a sleek contemporary design with a vintage flair. The range includes a full-size floor-standing speaker, two bookshelf speakers for any size application and a center channel to complete any surround sound system.

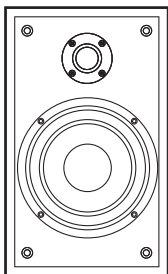
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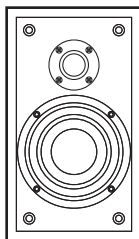
# Classic Collection



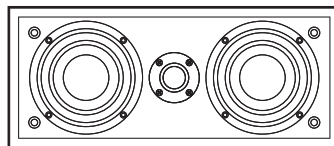
Classic T65



Classic B65



Classic B40



Classic C40

## What's In The Box

- Loudspeaker(s)
- Adhesive Rubber Feet (not included on T65)
- Speaker Cable
- This Manual

# Unpacking

Please unpack the speakers and carefully examine them for any potential damage that may have occurred during shipping. If damage is discovered, it is important to promptly inform the shipping company.

While Dayton Audio is available and willing to assist as necessary, only the recipient can initiate a claim for any shipping-related damage. If the product shows visible signs of damage upon arrival, be sure to retain the shipping carton for the shipper's inspection.

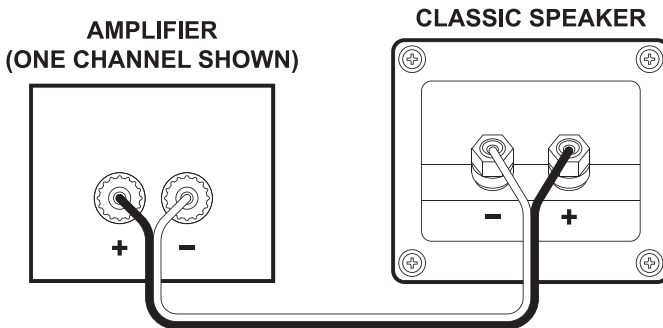
It is strongly advised to keep all packing materials, as they may be useful in the future event the speakers need to be transported or stored. Never attempt to ship the speakers without the original factory carton and the accompanying packing materials.

# Hooking Up

Using high-quality two conductor speaker wire connect the speaker(s) to the speaker output. Connect the red "positive" (+) and black "negative" (-) terminals on the rear of the speaker to the positive (+) and negative (-) output terminals on an amplifier's channel.

The binding posts can accept banana plugs, spade connectors, and bare wire up to 8 AWG.

Ensure that there is no direct contact between exposed wires from any of the connections and other terminals. Such contact could lead to a short circuit and potential damage to the equipment.



# Room Placement

## Stereo

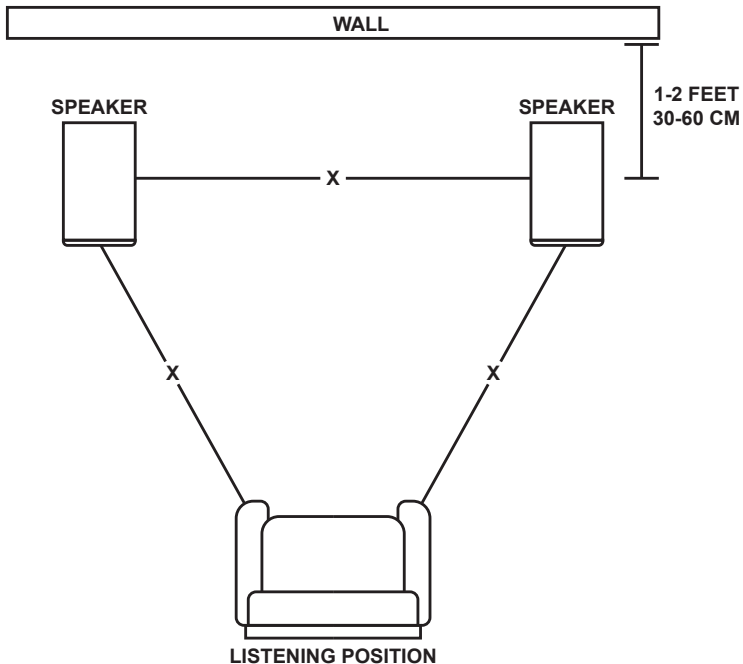
Proper placement of your stereo speakers is crucial to achieving optimal audio performance. Follow the guidelines below to ensure the best sound experience.

Place the speakers at an equal distance from the back wall and 6-8 feet apart with the front directly facing the listening area. To create an even soundstage, aim for an equidistant placement of both speakers from the primary listening position to maintain balanced audio dispersion. Adjustments may be needed based on room acoustics.

Ideally, the tweeters (high-frequency drivers) should be positioned at ear level when seated. Use speaker stands or adjustable mounts if necessary.

Slight angling of the speakers towards the listening area (toeing in) can enhance stereo imaging. Experiment with angles between 5-30 degrees to find the best sound.

**Note:** Keep in mind that every room has its own acoustic properties, and small adjustments can make a significant difference in sound quality. Some experimentation may be necessary to find the optimal placement for your specific environment.

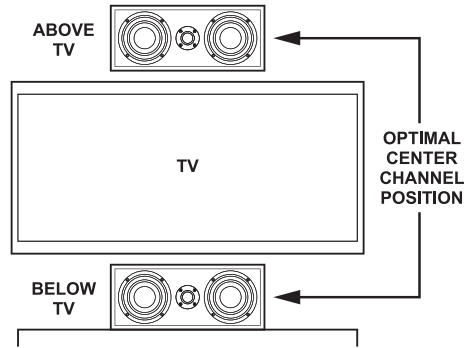


# Surround Sound

The Classic Collection can be used to build an immersive surround sound system. Use the C40 for the center channel and any variety of bookshelf or tower speakers for the main and surround speakers.

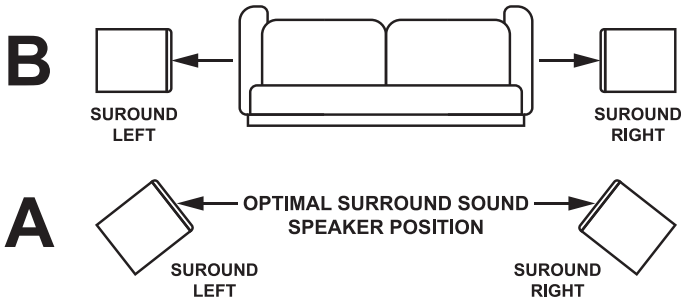
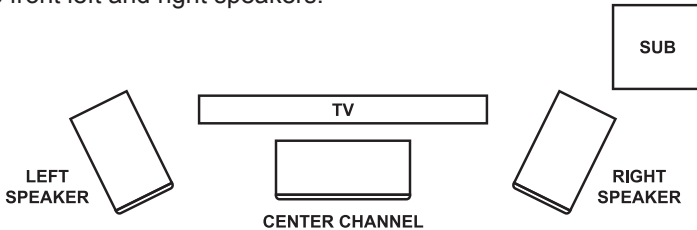
## Center Channel Placement

Center channel speakers are used to deliver clear dialogue in multichannel setups. Place the center channel speaker directly in front of the listening position and either directly above or below the TV screen.



## Rear Surround Channel Placement

Rear channel speakers should be placed slightly behind the listener (position A) whenever possible. Surround speakers may be placed directly to the left and right of the listener (position B) if there is no space behind the listener, but this is not the preferred placement. Surround speakers should be placed the same distance apart as the front left and right speakers.



## Using Your Speakers

Speakers often exhibit a noticeable improvement after a break-in period of around 30 to 40 hours of playtime. During this initial phase, the soft parts of the drivers (surround and spider) will relax and become more compliant, resulting in enhanced detail for improved audio quality.

To break-in speakers effectively, play a diverse selection of music at moderate volume levels. This allows the speaker's transducers to settle and relax, optimizing their performance. It is worth noting that even after this initial break-in period, further improvements in sound quality can continue to develop over time, ensuring an even more satisfying listening experience.

## Wall Mounting

The bookshelf and center channel speakers include keystone mounts for installing the speakers directly on the wall. Always install the speakers onto a solid wood surface or use appropriate wall anchors on drywall. Do not use the keyhole mounts for ceiling installation.



## **Installing Rubber Feet (optional)**

Adhesive-backed rubber feet are included with bookshelf and center channel speakers and can be applied to the underside of each loudspeaker. These feet will help keep the speakers firmly in place when installed on a bookshelf or speaker stands. The use of these rubber feet is optional and will not be required in all installations.

## **Care and Maintenance**

The finish on the cabinets can be maintained with regular dusting. For extreme buildup of dust or debris a slightly dampened microfiber cloth can be used. Exercise caution to not get moisture on the driver components.

If you do wish to use a cleaning solution, please do so by applying a small amount to an inconspicuous part of the cabinet such as the bottom before applying to the entire cabinet. Do this to ensure that the solution will not cause harm to the finish of the Classic Collection cabinets.

# Specifications

	<b>C40</b>	<b>B40</b>	<b>B65</b>	<b>T65</b>
Frequency Response	70 - 20,000 Hz	75 - 20,000 Hz	55 - 20,000 Hz	35 - 20,000 Hz
Sensitivity	85 dB 2.83V/1M	82 dB 2.83V/1M	85 dB 2.83V/1M	87 dB 2.83V/1M
Potential Output	98 dB	95 dB	98 dB	103 dB
Power Handling	50W RMS/ 100W max	30W RMS/ 60W max	40W RMS/ 75W max	80W RMS/ 150W max
Recommended Power Amplifier	15 - 70 watts	10 - 50 watts	15 - 60 watts	15 - 100 watts
Nominal Impedance	6Ω	6Ω	6Ω	6Ω
<b>Transducers</b>				
High Frequency	1" Silk Dome Tweeter	1" Silk Dome Tweeter	1" Silk Dome Tweeter	1" Silk Dome Tweeter
Low Frequency	Dual 4" Poly Woofer	4" Poly Woofer	6-1/2" Poly Woofer	Dual 6-1/2" Poly Woofer
System Format	2-1/2 Way Center Channel	2-Way Bookshelf	2-Way Bookshelf	2-Way Tower
Bass Alignment	Sealed Enclosure	Sealed Enclosure	Sealed Enclosure	Ported Bass Reflex
Crossover Frequency	LF 550 Hz MF/HF 3 kHz	5 kHz	4 kHz	3 kHz
<b>General</b>				
Dimensions (each)	330 x 140 x 145 mm	140 x 241 x 145 mm	198 x 330 x 170 mm	198 x 1000 x 235 mm
W x H x D	13 x 5.5 x 5.7 in.	5.5 x 9.5 x 5.7 in.	7.8 x 13 x 6.7 in.	7.8 x 39.4 x 7.25 in.
Weight (each)	2.76 kg (6.08 lbs.)	1.94 kg (4.28 lbs.)	2.7 kg (5.95 lbs.)	8.38 kg (18.47 lbs.)
Finishes Available			Black Wood	

All specifications are accurate at the time of printing. Dayton Audio reserves the right to make improvements without notice.

# Notes

Date Purchased: \_\_\_\_\_

**5-Year Limited Warranty**

See [daytonaudio.com](https://daytonaudio.com) for details



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