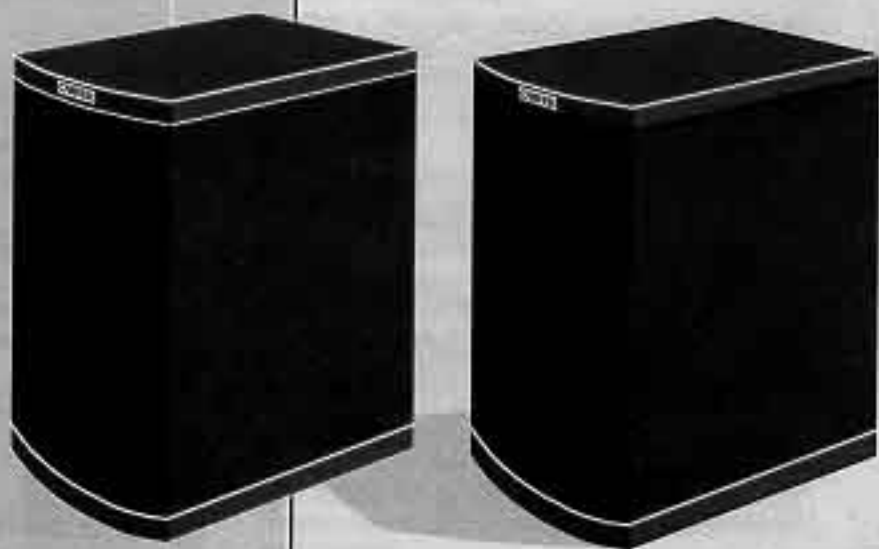


CARVER

Cinema 5.1 Front Speakers



Owner's Manual

Cinema 5.1 Front speakers

Unpacking

Carefully unpack your speakers and keep the original carton and packing materials for future moving, shipping, or long-term storage. It is also important to save your sales receipt and keep it in a safe place. Write down the serial number in the space provided below.

These speakers should reach you in perfect condition. If you notice any shipping damage, contact your Carver dealer immediately.

Please take a moment to fill out the enclosed customer response card and return it to Carver. This provides us with important information from our valued customers.

Model: _____

Serial Number: _____

Purchased at: _____

Date: _____

Care

Wipe off the speakers occasionally with a soft, dry cloth. Furniture polishes and waxes are not recommended because they can damage the cloth speaker covering.

Features

- 5.5" long excursion bass/midrange with an inverted co-polymer cone for smooth midrange response
- 1" treated silk dome tweeter with ferro-fluid for increased dynamic range
- 2.5" rear-firing driver with treated cellulose diaphragm. This recreates the acoustic space present in music and theater recordings
- Proprietary, European drivers, Video shielded
- High quality, multi-element crossover design for correct phase and frequency response
- High stiffness multi-fiber cabinet

Specifications

Frequency Response	60Hz - 21kHz
Sensitivity	88 dB
Nominal impedance	4 ohms
Power Requirements	50 - 350 Watts
Bass/Midrange driver	one 5.5"
Tweeter	one 1"
Ambiance driver	one 2.5" rear firing
Dimensions WxDxH	7.25" x 9.5" x 12.5" 184 x 241 x 318 mm
Weight	13.5 lbs, 6 kg

Speaker wires

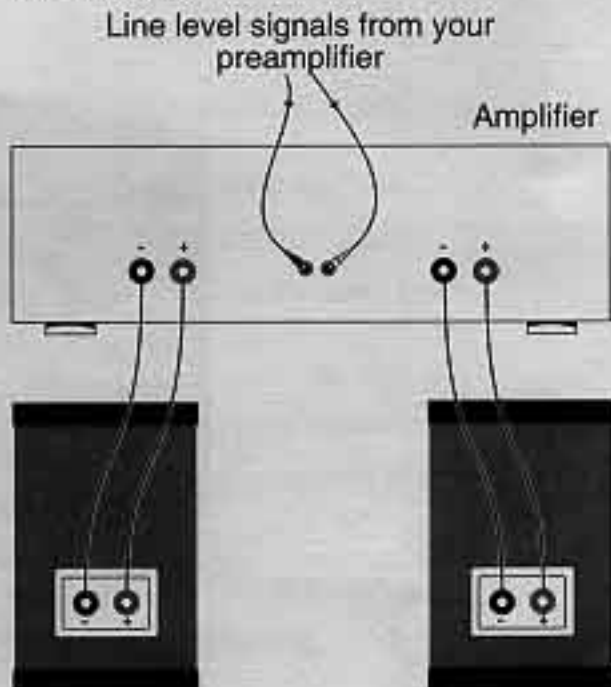
Use high quality wire for speaker connections. For longer runs, use heavier gauge wire. The following chart will be helpful in determining which gauge wire should be selected.

Wire Length	Wire Gauge
Up to 25 ft	16 gauge
25 to 40 ft	14 gauge
40 to 60 ft	12 gauge
60 to 100 ft	10 gauge

To prevent any electrical interference, try not to run speaker wires close to AC lines or sockets.

Speaker Phasing

Take great care to connect the Red output terminal of the amplifier to the Red terminal of the speaker. Also connect the Black amplifier terminal to the Black speaker terminal. This will keep both of the speakers "in phase". For example, if you have one loud drum beat, both speaker cones will be moving outwards at the same time. If one speaker is "out of phase" then its speaker cone is moving in at this time. This will cause a cancellation and result in a bass reduction.

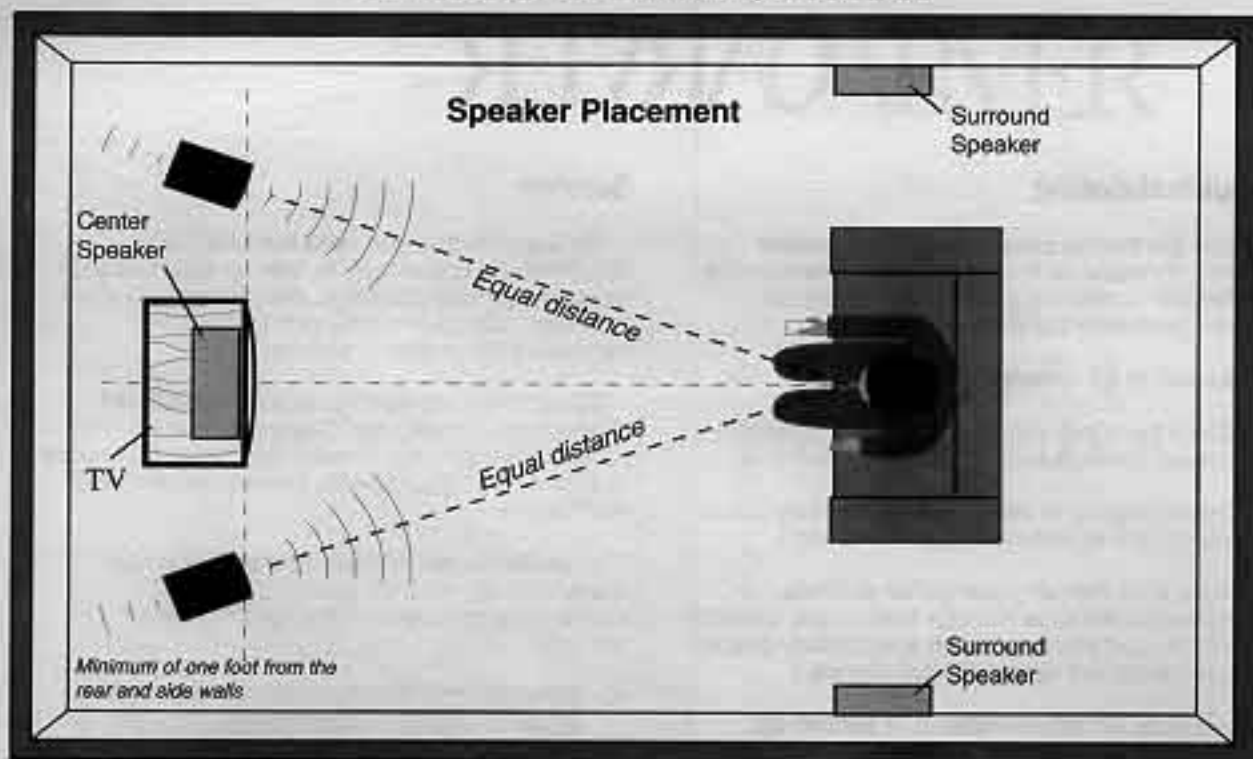


NOTE:

The speakers can be connected directly to an amplifier as shown.

If you also purchased the Cinema 5.1 Powered subwoofer, this will take some of the load off the fronts and still provide good imaging. The powered subwoofer will receive the lower bass and the fronts will play the rest.

Cinema 5.1 Front speakers



Connections

The speaker terminals are designed to accept bare speaker wires or standard banana plugs.

Bare wire connections :

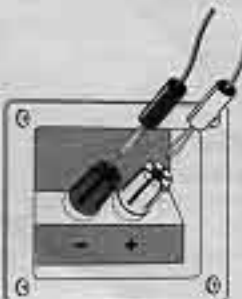
1. Strip 1/2" of insulation off each wire and carefully twist all the fine strands together. If even one strand is loose and touches the opposite terminal, a short circuit will result.



2. Unscrew the terminals and insert the wire. Tighten the connection down onto the wire (finger tight only, DO NOT use a wrench).

Banana plug connections :

Banana plugs make connecting and disconnecting the speakers simple and quick.



1. Make sure that the outer terminal is completely screwed down before plugging in the banana plugs, this will ensure a good electrical contact.

Speaker Placement

Follow these recommendations for the best home theater performance :

1. Position the front speakers so that the TV screen is directly between them. If you have a smaller TV, they should be no more than two feet away from the sides of the TV cabinet.
2. Place the two front speakers exactly the same distance away from your listening position. (See illustration above.)
3. The speakers are small in size and should therefore not be set directly on the floor. If possible, place them close to the same height as the center of your TV screen. Use good quality speaker stands or other firm support.
4. Ideally, they should be no closer than one foot from the rear and side walls. Each speaker has a rear facing driver which adds ambience to the overall sound of the forward firing bass/midrange and tweeter.

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Troubleshooting

If you are having trouble with your speaker system, try some of the following troubleshooting tips before contacting your Carver Dealer or Carver Technical Support.

No sound in all speakers

Check speaker wire connections and inspect wire for damage.

Check preamp or receiver to make sure proper source unit is selected (CD, TAPE etc.).

Make sure that all preamplifier controls, especially the tape monitor button, are correctly set. (A tape monitor button accidentally pushed in is a frequent cause of total silence.)

Sound cuts off when volume is turned up.

Check all the speaker wires for a short. (bare wire from + connector touching - connector.)

Check speakers for damage that may have caused an internal short.

No sound in one channel

Check preamplifier balance control and make sure that it is in the center position.

Turn the amplifier off, then temporarily switch the left and right speaker cables at the amplifier's speaker output terminals.

After turning the unit back on, see if the same loudspeaker is dead. If it is, the problem lies with the speaker or the cable leading to the speaker.

If the other speaker stops working, the problem may be in the amplifier or preamplifier. Check all the cables before contacting your dealer.

Service

We suggest that you read the LIMITED WARRANTY completely to fully understand your warranty/service coverage. Also be sure to save the sales receipt in a safe place. It will be necessary for warranty service.

If your speakers should require service, we suggest you contact the Dealer from whom you purchased your unit. Should the Dealer be unable to take care of your needs, please contact us at the Factory.

Have the model number and serial number ready and we will then give you detailed instructions on how to obtain prompt repair service.

Factory Address
Carver Corporation
P.O. Box 137
Woodinville, WA
98072-0137

Main Telephone (425) 482 3400

Technical support 1 800 521 4333

(toll-free number if you are calling from within the USA or Canada)

Main Fax (425) 482 3401

Service fax (425) 482 3442

E-mail Custservice@carver.com

Carver Corporation reserves the right to improve its products at any time. Therefore, specifications are subject to change without notice.

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Owner's manual

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If you have access to the Internet, you can check out the full line of Carver products and company announcements on our World Wide Web page (<http://www.carver.com>).