

CARVER

Cinema 5.1 Surround Speakers



Owner's Manual

Cinema 5.1 Surrounds

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
- Two 2.5" dipole drivers with treated cellulose diaphragm
- Proprietary, European drivers
- High quality, multi-element crossover design for correct phase and frequency response
- High stiffness multi-fiber cabinet for reducing unwanted acoustical vibrations.

Specifications

Frequency Response	80Hz - 16kHz
Sensitivity	87 dB
Nominal Impedance	4 ohms
Power Requirements	25 - 250 Watts
Woofer	one 5.5"
Dipole Drivers	two 2.5"
Dimensions (WxHxD)	11.5" x 12" x 5"
	292 x 305 x 127 mm
Weight	13.5 lbs, 6.1 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 of wire should be selected.

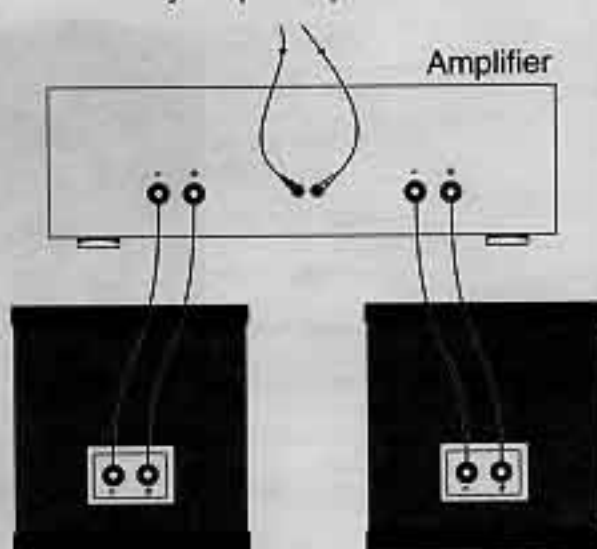
Wire Length	Wire Gauge
Up to 25 ft	16 gauge
25 to 40 ft.	14 gauge
40 to 60 ft.	12 gauge
60 to 100 ft	10 gauge

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.

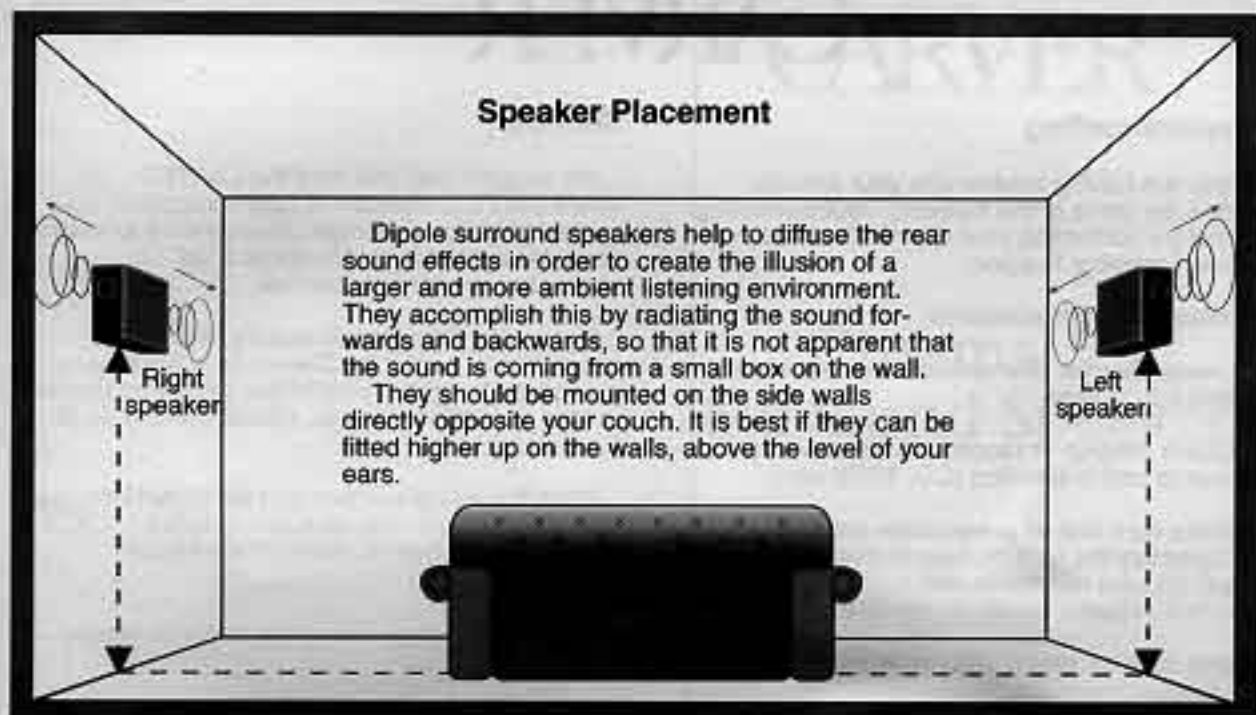
Line level signals from
your preamplifier



NOTE: This illustration shows how the surround speakers would be connected to a two-channel amplifier. If these speakers are being connected to a multi-channel amplifier or home-theater receiver, take care to use only the "surround" or "rear" speaker outputs.

Cinema 5.1 Surrounds

Speaker Placement

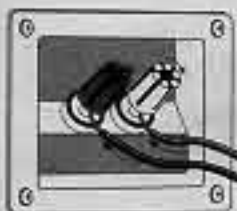


Connections

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

Bare wire connections :

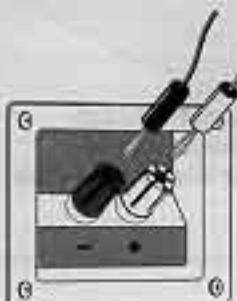
1. Strip 1/2" of insulation off each wire and carefully twist all the fine strands together. If even one strand is loose and touches the opposite terminal, a short circuit will result.



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.

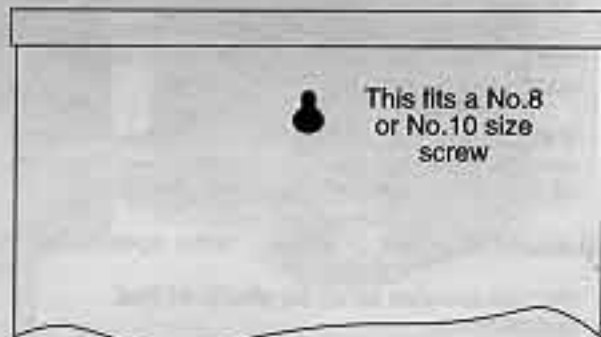


1. Make sure that the outer terminal is completely screwed down before plugging in the banana plugs, this will ensure a good electrical contact.

Wall Mounting

NOTE : The speakers are labelled "Left" and "Right" and they must be placed so the left speaker is on the left side wall as you face the front of your room. This will keep the correct phasing with the other speakers in your system.

Each speaker has a "keyhole" bracket which allows you to hang them from a screw in the side walls of your room. You will need to make sure the screw is securely fastened into the wall and it is capable of supporting at least 20 pounds (9 kg). A hardware dealer should be able to assist you with the correct screws, depending on the wall construction.



Shelf Mounting

The speakers can be placed on shelves or supports, these should also be capable of supporting at least 20 pounds (9 kg). Do not place anything else on the shelves which may obscure the speaker drivers.

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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 both 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 or one channel has distorted sound.

Check the preamplifier calibration procedure and make sure each surround is receiving the same volume.

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.

No sound in either of the surround speakers.

Inspect speaker wires for shorts or bad connections.

Check receiver or preamplifier to make sure that Dolby Pro Logic circuit has been engaged.

Make sure that your source is Dolby surround encoded. If not, then switch to another surround mode such as Hall or Matrix.

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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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>).