

# **DCM**

LOUDSPEAKERS



## **Cinema1 and Cinema2 Home Theater Loudspeaker Systems**

**DCM**  
LOUDSPEAKERS

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*Due to our policy of continuous improvement, specifications are subject to change without notice.*

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## INTRODUCTION

Congratulations on your purchase of DCM Loudspeakers. Your new speakers represent the latest technologies in loudspeaker design and manufacturing. They will provide outstanding performance and years of listening enjoyment. Please take time to read through this manual thoroughly to insure you get maximum performance out of your new loudspeakers.

## SATELLITE/CENTER CHANNEL FEATURES

- Video shielding for placement near a TV or monitor
- 1/2" Balanced dome tweeter
- 3 1/2" Midrange w/polypropylene cone
- Spring loaded push terminals (Cinema1)
- Gold plated 5-way binding posts (Cinema2)
- Black injection molded plastic cabinets

## SUBWOOFER FEATURES

- High efficiency amplifier
- Bass reflex enclosure with low noise vents
- Adjustable low-pass crossover frequency
- Automatic signal-sensing ON/OFF

## SPEAKER PLACEMENT

### CINEMA SET UP GUIDE

#### Typical Loudspeaker Placement

**Figure 1** illustrates the most generally accepted speaker locations for a home theater system. Although there are an infinite number of set up options using **Figure 1** as a template will certainly provide a great starting point. Experimentation with slightly different speaker locations may provide improved performance in your specific listening environment.

The front left and right speakers should form a 45 degree triangle using the center seating position as the apex.

The surround speakers should be placed beside the listening area, and pointed towards each other. It is also recommended that the speakers be 2-3 feet above the listeners head.

#### Left/Center/Right Front Speaker Height

One of the most important parameters for the left/center/right front speakers in a home theater system is height. **Figure 2** shows the ideal arrangement of the speakers in relation to the viewing screen: all three speakers are aligned on the same horizontal plane. This establishes a firm image height when special audio effects are panned from one side to the other, such as a speeding car moving across the screen. When a large discontinuity occurs between the heights of the center front channel and the left/right front speakers, as depicted in **Figure 3**, the visual image of the moving object becomes confused and somewhat unnatural due to shifts in image height.

## Cinema2 Subwoofer

Driver Compliment

Woofers- 10" high excursion woofer

Amplifier- 100 watts peak output

Crossover Frequency: continuously variable 40Hz-180Hz

Frequency Response: 45Hz - 200Hz (±3dB)

Hi-pass subsonic filter: 18dB per octave below 30Hz

Enclosure: tuned port design

Weight: 29 lbs.

Dimensions: 15 7/8" H X 14" W X 15 1/8" D

## CARE AND MAINTENANCE

Your speakers are designed to work with a wide range of electronic components. As little as 20 watts per channel can provide enough power for most applications. If you have a large room or prefer louder listening levels, more power may be required.

**Caution: When choosing an amplifier, do not exceed the power rating of the speaker. If you hear very high levels of audible distortion you are exceeding the capabilities of the system. Damage can occur from this distortion, turn the volume back down until the distortion disappears.**

Use the following guidelines to maintain the appearance of your speakers. Use a soft, damp cloth to clean the speaker cabinet. Avoid using harsh detergents or cleaning fluids. Remove the grills to vacuum and remove dust. Do not vacuum any of the speaker components, permanent damage could occur.

## TECHNICAL ASSISTANCE

For additional technical assistance you can visit our website at [www.dcmspeakers.com](http://www.dcmspeakers.com). Otherwise, our technical service representatives can be reached by phone: 1-800-DCM-LOUD or by email: [technical@dcmspeakers.com](mailto:technical@dcmspeakers.com).

## DCM WARRANTY INFORMATION

All Cinema1 and Cinema2 satellites and center channel speakers purchased in the United States from an authorized DCM dealer are guaranteed against defects in material and workmanship for a period ten years (one year for Cinema1 and Cinema2 subwoofers) from the date purchased by the end user, and limited to the original retail purchaser of the product.

DCM disclaims any liability for other incurred damages resulting from product defects. Any expenses incurred in the removal and reinstallation of product is not covered by this warranty. DCM's total liability will not exceed the purchase price of the product. This warranty is valid in the United States only.

Proof of purchase is required when requesting service, so please retain your sales receipt and take a moment to register your warranty on line @[www.dcmspeakers.com](http://www.dcmspeakers.com).

## SPECIFICATIONS

### Cinema1 Satellite/Center Channel

#### Driver Compliment

Midrange- 3-1/2" shielded with polypropylene/mica cone, rubber surround

Tweeter- 1/2" Balanced dome tweeter with PEI dome material

Frequency Response: 110Hz - 20kHz

Impedance: 8 ohms nominal

Power Handling: 75 watts RMS / 150 watts peak music

Recommended Amplifier Power: 20-75 watts RMS

Sensitivity: 84dB@2.83V/1M

Weight: 2.5 lbs.

#### Dimensions:

Satellite- 7 3/8"H X 4 1/2"W X 5 3/4"D

Center Channel- 4 1/2"H X 7 7/16"W X 5 1/2"D

### Cinema1 Subwoofer

#### Driver Compliment

Woofer- 8" high excursion woofer

Amplifier- 50 watts peak output

Crossover Frequency: continuously variable 40Hz-180Hz

Frequency Response: 50Hz - 200Hz ( $\pm 3$ dB)

Hi-pass subsonic filter: 18dB per octave below 30Hz

Enclosure: tuned port design

Weight: 21 lbs.

Dimensions: 13 3/4" H X 12" W X 13 1/4" D

### Cinema2 Satellite

#### Driver Compliment

Midrange- 3-1/2" shielded with polypropylene/mica cone, rubber surround

Tweeter- 1/2" Balanced dome tweeter with PEI dome material

Frequency Response: 110Hz - 20kHz

Impedance: 8 ohms nominal

Power Handling: 75 watts RMS / 150 watts peak music

Recommended Amplifier Power: 20-75 watts RMS

Sensitivity: 84dB @ 2.83V/1M

Weight: 2.5 lbs.

Dimensions: 7 3/8"H X 4 1/2"W X 5 3/4"D

### Cinema2 Center Channel

#### Driver Compliment

Midrange- (2) 3 1/2" shielded with polypropylene/mica cone, rubber surround

Tweeter- 1/2" balanced dome with PEI dome material

Frequency Response: 110Hz - 20kHz

Impedance: 8 ohms nominal

Power Handling: 75 watts RMS /150 watts peak music

Recommended Amplifier Power: 20-75 watts RMS

Sensitivity: 87dB @ 2.83V/1M

Weight: 4.5 lbs.

Dimensions: 4 1/2" H X 12 5/8" W X 5 3/4" D

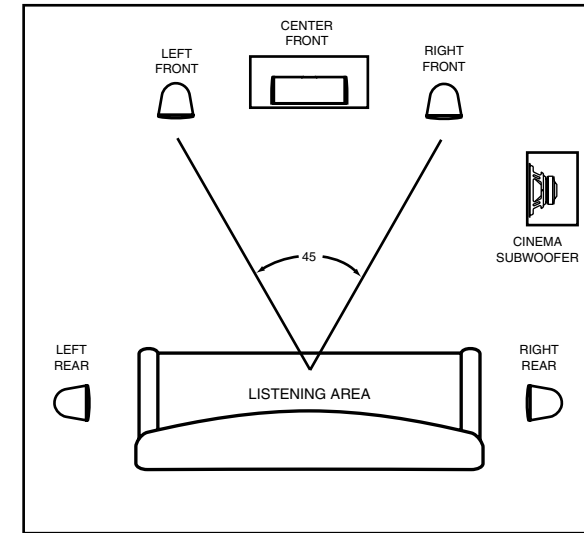


Figure 1- Typical loudspeaker placement in a home theater system.

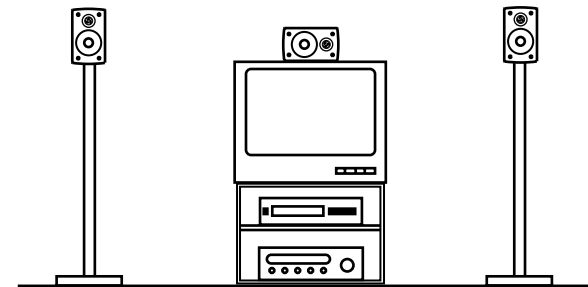


Figure 2- Proper placement of left/center/right front speakers.

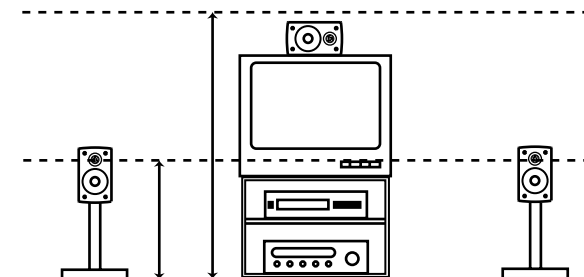


Figure 3- Improper placement of left/center/right front speakers

## EXPLANATION OF FEATURES AND CONTROLS

### Refer to Figure A

1) Power Switch: This three position switch controls the power status of the subwoofer.

Off: Turns the unit off.

Auto: Places the unit in the standby mode, in this mode the subwoofer will automatically turn on when an audio signal is applied to either the high or low level inputs.

On: Turns the unit on regardless of whether a signal is present or not.

2) Subwoofer crossover: This rotary control adjusts a variable low pass filter to set the upper frequency at which the output of the subwoofer begins to roll-off. Continuously variable from 40Hz to 180 Hz, it matches the upper frequency characteristics of the subwoofer to the low frequency response of the main stereo speakers. Recommended setting 180Hz.

3) Line level input: These RCA phono jacks accept a line level full range signal from the preamplifier output of a receiver or preamplifier. This full range signal is processed and amplified to power the subwoofer.

4) Speaker level input: These spring loaded terminals for speaker wire accept a stereo, speaker level, full range signal from a receiver or power amplifier. This signal is processed and amplified to power the subwoofer.

5) Fuse: For continued protection replace fuse with same type and size listed.

6) Level control: This rotary control adjusts the level of the subwoofer and is used to balance its volume with that of the main stereo speakers.

7) Status LED: This two color light emitting diode shows the status of the subwoofer electronics. "Red" indicates that the amplifier is plugged in and the power switch is either off or in standby mode with no input signal present. "Green" indicates that the amplifier is operating with signal present at the input from the preamplifier, receiver, or power amplifier.

8) Speaker level output: These terminals supply full range signal to the front satellite speakers.

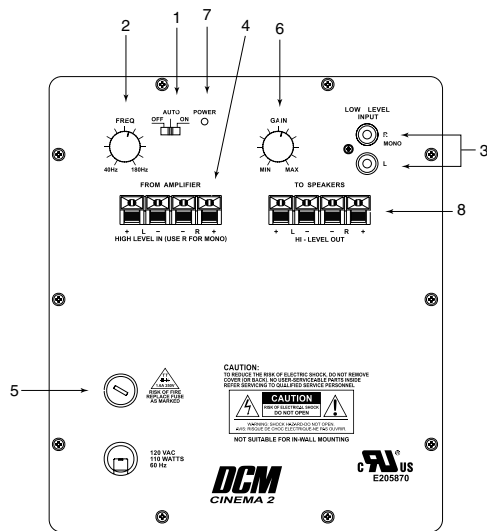


FIGURE A

## WIRING AND CONNECTIONS

Turn off all power to your subwoofer and other equipment before making any connections.

Installation using speaker level inputs (Figure B).

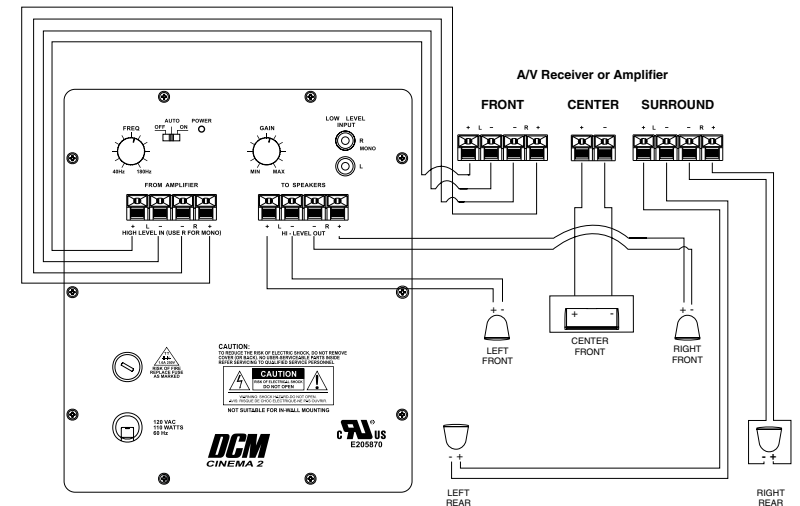


FIGURE B

Installation with A/V amplifiers and receivers that have 5.1 channel line level output (Figure C).

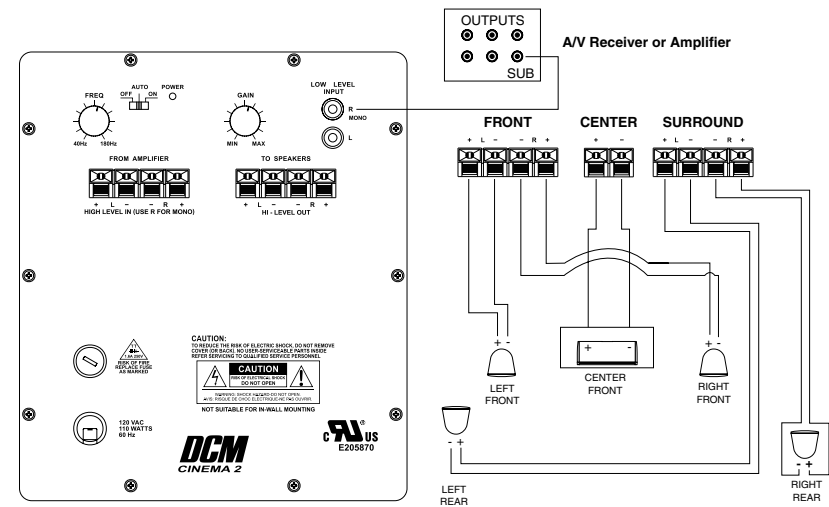


FIGURE C

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