Arcadia SP-51 Home Theater
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OVERVIEW

Thanks for purchasing the Arcadia SP-51 Theater system. The Arcadia SP-51 is a versatile audio entertainment system that supports DVD, VCD, and Game Sound for movie theater sound quality.

The Arcadia SP-51 features our revolutionary 5.1 Plastic Speaker technology that provides over 30 percent audio clarity and output power than traditional speakers that come bundled with your PC system or Boom Box. You get five 8-Watt (RMS) 5.1 Plastic Speakers (center/front Left/Right and Rear Left/Right Surround). The 20-Watt Subwoofer adds thundering deep bass sound and performance.

The Arcadia AU10 5.1channels sound card allows you to connect and convert virtually any audio input source such as; CD-ROM or DVD-ROM into a dynamic multimedia theater center. Installation guild will help you for easy navigation. With the Arcadia AU10, you can experience the same sound quality as that in Movie Theater -- true Dolby AC-3 sound effects with 5.1 separate soundtracks – right in your living room!

Arcadia SP-51 Home Theater Speaker:

SPECIFICATIONS:

Satellite Speaker: 8Watt (RMS) each
Dimensions: 91.5(W) x 97.5(H) x 91.5(D) mm
Impedance: 4 ohm

Center Speaker: 8Watt (RMS)
Dimensions: 91.5(W) x 97.5(H) x 91.5(D) mm
Impedance: 4 ohm

Subwoofer: 20Watt (RMS)
Dimensions: 170(W) x 300(D) x 236(H) mm
Impedance: 4 ohm

Drivers:
Subwoofer: paper cone 5" x 1 magnetic shielding
Satellite: 3" x 5, magnetic shielding

Electrical rating:

- Continuous power
  (1) 20W x1 ref. Subwoofer driven only at 100 Hz @ 10% THD
  (2) 8W x 5 + 20W x 1 ref. All channels driven at 10% THD.
- Peak Dynamic Power: Satellite – 65W, Subwoofer – 85W
- Signal to Noise ratio:
  Subwoofer: 100dB @ 20W/A-wtd, Satellite:>85dB @ 1W/A-wtd.
- Frequency response:
  Satellite 180Hz ~ 20KHz, Subwoofer 35Hz ~ 1800Hz
- Power supply: 230V/50Hz, 120V/60Hz, 100V/50~60Hz

Main Components of Arcadia SP-51 System

PACKAGE CONTENTS:

Wooden Subwoofer x1
Satellite speaker (R, L, SR, SL) x1
Satellite speaker (C) x1
Stand x5
G9 (DIN) cable (2M) x1
RCA plug 2ch / 3.5mm headphone plug (1.5M) x3
User's Manual x1

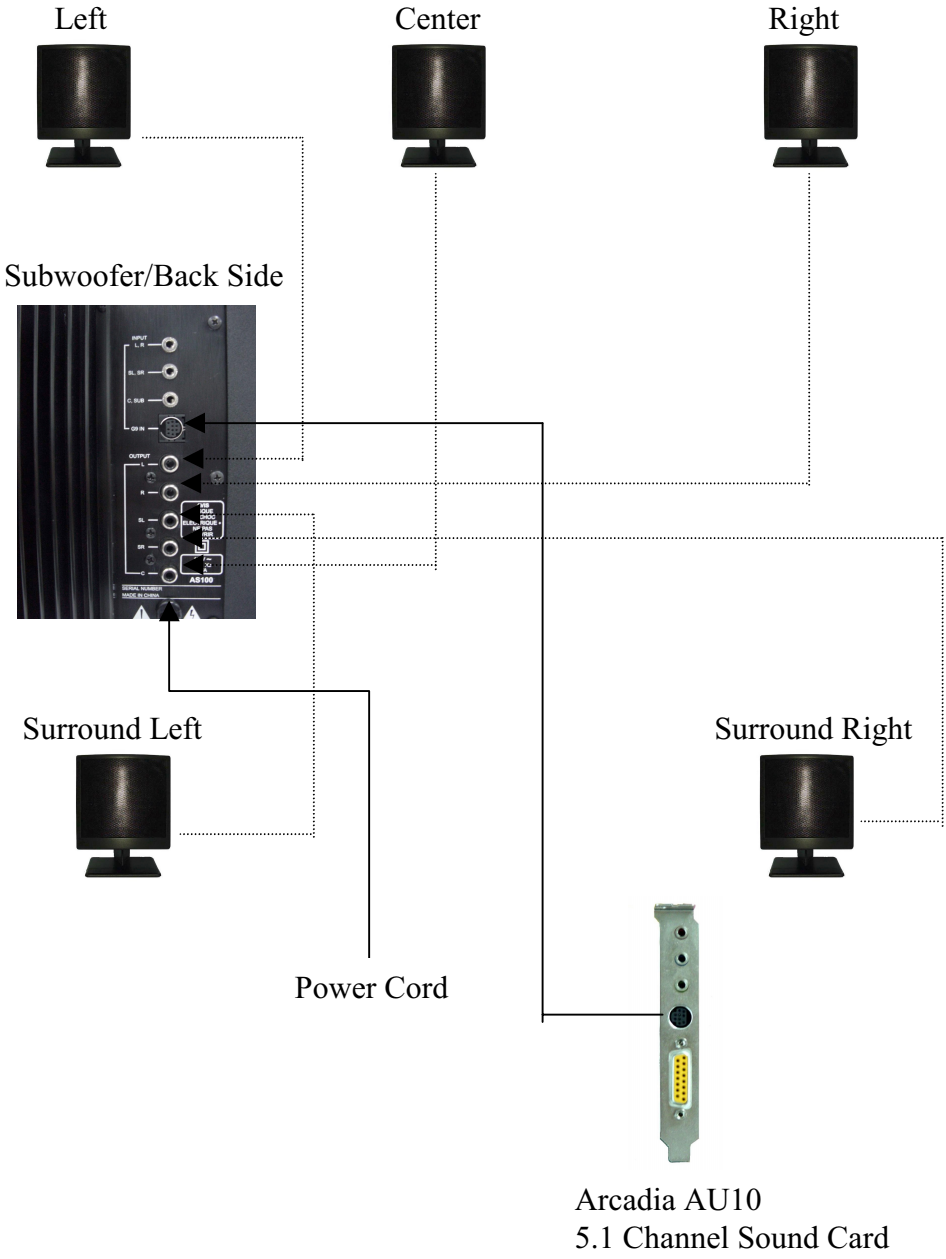
INSTALLATION INSTRUCTIONS

1. Power off the Computer or Electrical Device that you plan to connect to the Arcadia SP-51 Home Theater system.
2. Carefully remove the Arcadia SP-51 Home Theater system components from their packaging.
3. Place the Subwoofer on a flat, stable surface, preferably on the floor, apart from the walls, allowing a space of at least 10 cm above, behind and on the both sides of the unit. Please refer to System Layout figure for appropriate location.
4. Connect the G9 (DIN) cable to the ***AU10*** (Nine Pin Outputs) connector located on the lower left of the ***AU10***. Connect the other end to the Subwoofer (G9 DECODER IN) connector.
5. Decide where you will position your Satellite speakers, preferably place the Satellite (L, R, C, SL, SR) on a flat, stable surface, or hang it on the wall. Please refer to System layout figure for appropriate location.
6. Connect Satellite(C) to Subwoofer RCA jack(C).
   Connect Satellite (L) to Subwoofer RCA jack (L).
   Connect Satellite (R) to Subwoofer RCA jack(R).
   Connect Satellite (SL) to Subwoofer RCA jack (SL).
   Connect Satellite (SR) to Subwoofer RCA jack (SR).
7. Plug-in Power Cord to the Subwoofer (Power Input).
8. Turn on the power to your PC and Subwoofer (located on the rear panel of the subwoofer). Adjust the Subwoofer and Volume Control knobs on the Subwoofer and enjoy theater quality sound with your new ***Arcadia 5.1 Theater System.***

Note

a. Be sure not to tangle the Power-supply cord with the Sound source cable, thus to prevent the sound signal from being interfered by the power current.

b. Be sure to turn the volume control counterclockwise before starting to play the audio source; increase the volume gradually to an appropriate level after the playback has started.


Left
Center
Right
Subwoofer/Back Side
Surround Left
Surround Right
Power Cord
Arcadia AU10
5.1 Channel Sound Card

TROUBLESHOOTING AND SUPPORT

This appendix describes basic troubleshooting to help you solving problems, which you may have with the Arcadia Home Theater system. Care and cleaning information, as well as Technical Support information are also provided.

Troubleshooting Problems

This section lists common questions and answers to installation and connection problems you may experience with the Arcadia Home Theater system. If applying these methods does not solve the problem, contact Technical Support for further assistance.

Problem	Cause	Remedy
No Sound	Speaker not properly connected	Check cables for shorts or open connections
	With incorrect input mode	Select proper audio source (Digital or Analog)
	Amplifier is off/malfunction	Check your amplifier
	Speaker defective	Replace speaker
Weak sound	Volume control down	Turn up volume control
	Speaker cable shorted or have broken strands	Check cables
Buzzing sound	Speaker cable (wire) short	Check cable wiring
	Speaker defective	Replace speaker
No balance control	Check balance control setting	Adjust balance control
Excessive Highs or lows	Speaker out of circuit	Check speaker
Speaker test	Run the self test routing	Listen for white noise in all speakers

Note: These tests assume the amplifier is working correctly.

Speaker Placement:

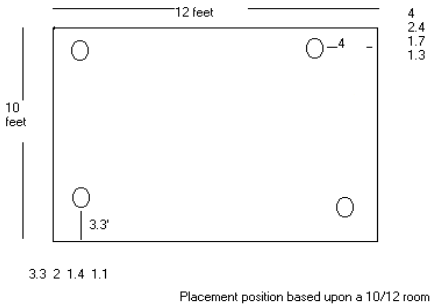
The best placement for hi-fi speakers is not in the corners of the room. It is best to consider the listening room as an extension of the speaker enclosure. You may experience full rich sound form audio signal reflect off other surface in the listening area as well as being radiated from the speaker itself. Feel free to experiment until you get the best sound. Do not be afraid to try something daring and different.

Room Consideration

The speakers may sound better in the Den or Office than in the living room. Such things as windows, drapes, carpeting and other surfaces, and the room dimension play an important part in the sound response.

Avoid placing speakers in the corner of the room. This greatly degrades the frequency response since sound bounces off three surfaces and produces heavy bass signal. It is best to place the speakers two to three feet from the wall. The attached diagram displays various positioning locations using a rule of placement 3,5,7,9.

EXAMPLE 12 feet / 3 = 4 feet.



Placement position based upon a 10/12 room

WARRANTY INFORMATION

Your Arcadia SP-51 Home Theater System comes with a one-year warranty from the date of purchase. This warranty does not cover any incompatibilities due to the user's computer, hardware, audio station or any other related system configuration in which the Arcadia Home Theater System interfaces.

This warranty does not cover any damage caused by negligence, non-authorized modifications, or parts installed.

This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, nor as a result of service to the product by anyone other than by manufacturer.

When you send in your product, ensure it is adequately cushioned to prevent damage during shipping. Include all hardware and software that came with your Arcadia Home Theater system, so that the integrity of these pieces can also be verified by service center.

Note: ***It is recommended that you ship your Arcadia Home Theater system fully insured and freight pre-paid. It will not be accepted if product damaged and caused by poor handling and shipping.***

GLOSSARY

- **Dolby Digital (AC-3):**

Multi channel digital audio decoding system. Delivery of mono through 5.1-channel (left, center, right, subwoofer, surround left and right) at data rates from 32 kb/s to 640 kb/s, thus offering flexibility and economical performance as well as uncompromised sound quality.

- **Dolby Pro Logic:**

A matrix surround sound 4:2:4 matrix decoding scheme, consisting of left, center, right, and surround.

- **Decibel (dB):**

The unit commonly used to compare signal levels. Decibel is used as a measure of response in all types of electrical circuits, and is also used as a measure of sound level in audio systems (relative to a reference level).

- **Hertz:**

The unit of frequency named after the physicist Heinrich Hertz (1857-1894). 1 hertz (Hz) is equal to 1 cycle/second. Other units of frequency commonly encountered are the kilohertz (kHz) = 1,000 Hz and the megahertz (MHz) =1,000,000 Hz.

- **Impedance:**

A complex reaction of resistance to AC in an electrical circuit.

- **MPEG-2:**

MPEG-2 is an expanded MPEG-1 specification with additional extensions for more digital and audio applications. It was targeted at high-speed all-digital transmission of broadcast quality video and supports a data transfer rate of 4 to 9 megabits/second. It is used in DVD players for maximum compression of video and audio.

- **Ohm:**

Unit of measure for resistance in an electrical circuit.

- **RMS:**

Root Mean Square. A way of measuring average power levels.

- **Watt (W):**

The basic unit of power. In audio systems, the output power of a stereo amplifier is rated in watts per channel, e.g. 2 x 30 W.