



**Silver Reference series**  
**Loudspeakers**  
**Owner's Information**

*American Acoustic Development LLC*

## SILVER REFERENCE

### LOUDSPEAKERS

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#### CAUTION

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■ **Read the following before using these speakers:**

- To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
- Install the speakers in a cool, dry, clean place away from windows, heat sources, sources of excessive vibration, dust, moisture and cold. Avoid sources of humming (transformers, motors). To prevent fire or electric shock, do not expose the speakers to dripping or splashing.
- To prevent the enclosure from warping or discoloring, do not place the speakers where they will be exposed to direct sunlight or excessive humidity.
- Do not place the following objects on top of the speakers:
  1. Glass, china, etc.  
If glass etc. Falls by vibrations and breaks, it may cause personal injury.
  2. A burning candle etc.  
If the candle falls by vibrations, it may cause fire and personal injury.
  3. A vessel with water in it  
If the vessel falls by vibrations and water spills, it may cause damage to the unit, and/or you may get an electric shock.
- Do not place the speakers where foreign objects such as water drips might fall. It might cause a fire, damage to this unit, and/or personal injury.
- Do not place the speakers where they are liable to be knocked over or struck by falling objects. Stable placement will also ensure better sound performance.
- Secure placement or installation is the owner's responsibility. AVD shall not be liable for any accident caused by improper placement or installation of speakers.
- Any time you note distortion, reduce the volume of your amplifier immediately. Make sure the input power does not exceed the specified maximum input power, otherwise the speakers will be damaged.

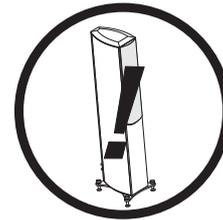
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- Do not attempt to clean the speakers with chemical solvents as this might damage the finish. Use a clean, dry cloth.
  - Do not attempt to modify or fix the speakers. Contact qualified  service personnel when any service is needed. The cabinet should never be opened for any reasons.

*Note: This speaker is magnetically shielded, but placing them too close to a TV may impair the TV picture. If this happens, move the speaker away from the TV.*

## **PRECAUTIONS WHEN POSITIONING THE SPEAKERS**

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The speaker is constructed with the majority of the weight located in its upper portion, and is thus susceptible to falling over if proper care is not taken to insure its stability. If the speaker falls over, it may damage the speaker or be the cause of injury (or even death) to persons and/or damage to personal property.



### **■ For safe and proper use of the speaker:**

- Position the speaker in a location that is solid, level, smooth, and low (with respect to the floor).
- Do not push or apply pressure to the side of the speaker when moving, or lean objects against the side of the speaker.
- Do not sit on or set objects on top of the speaker.

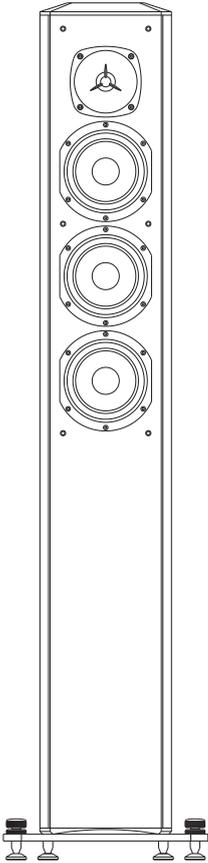
Vibrations or jolts associated with earthquakes and other phenomena or activities may cause the speaker to fall over. For safety reasons, using commercially available products that increase stability in the speaker is recommended (metal fittings or chains, etc.).

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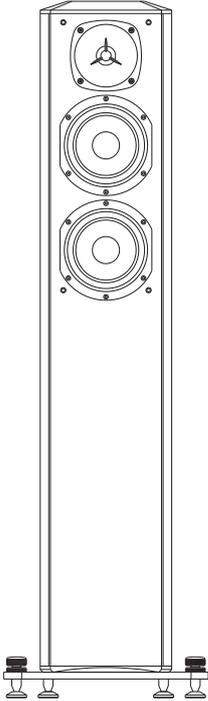
# SILVER REFERENCE PRODUCTS

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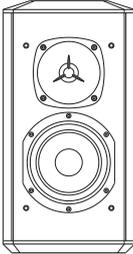
■ Refer to Page 9~10 for specifications



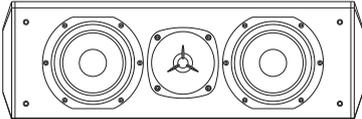
**Silver-7**



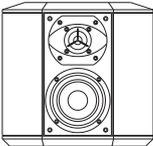
**Silver-5**



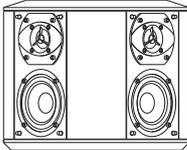
**Silver-1**



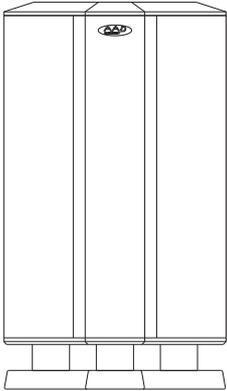
**Silver-3C**



**SR-1**

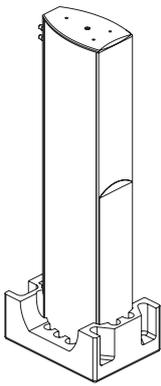


**SR-2**

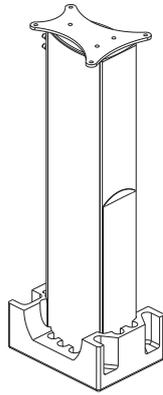


**S-160**

## BASE ASSEMBLING INSTRUCTIONS(Only for Silver-5 & Silver-7)



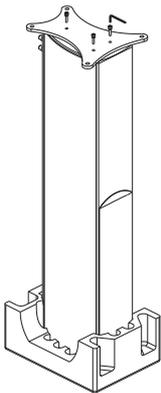
Step 1



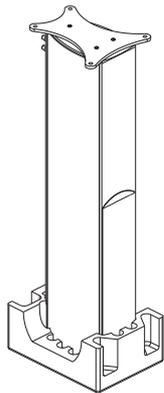
Step 2

Step 1: Stand speaker upside down, with protective foams on both ends. Now remove the foam piece, exposing bottom of speaker.

Step 2: Place metal base on bottom of speaker with wide side in the front; align holes on metal base with holes on bottom of speaker. (Handle metal base with caution as it is heavy and can cause bodily injury or damage to other objects if dropped.)



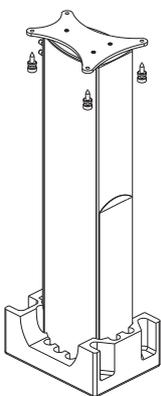
Step 3



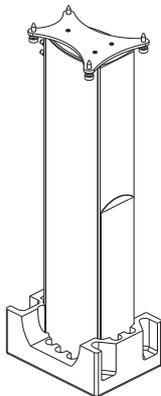
Step 3: Insert the enclosed M4\*30 machined screws (with spring washers) into the 3 aligned holes. Lock tight with Alan key provided, ensuring the metal base is firmly affixed to the cabinet.

Step 4: Thread in the 4 metal feet as shown in diagram

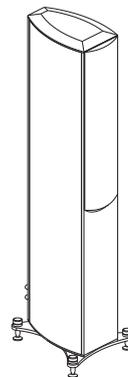
Step 5: Now stand speaker right side up. To protect wood floors, please use small protective disc under each metal feet. Remove packing foam from the top and adjust each metal feet to make sure speaker stands leveled.



Step 4



Step 5



### Parts List for each base

	— Metal base x 1
	— M4 x 3 machined screws (with spring washers) x 4
	— Metal feet x 4
	— Disc x 4
	— Alan key x 1

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## PLACING THE SPEAKERS

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### ■ Two Channel Stereo Application

For stereo listening, you may choose any one pair of bookshelf or floor standing model. The size of speakers should be determined by the size of your living space so that they can provide sufficient volume. The two loudspeakers should be placed an equal distance from your listening position.

Bookshelf systems will also benefit from placement on stands or shelves. The Silver series stands are designed to match the bookshelf speakers functionally and aesthetically.

Placing the loudspeakers in corners or against a wall will result in the strongest (but not necessarily the most accurate) bass. For the best stereo imaging, we recommend that the systems be placed so that the high frequency transducers are as close as possible to the ear level of a seated listener.

Every room has different acoustic characteristics and people have different tastes in sound. You should experiment to find out the placement position that satisfy your personal tastes.

### ■ Home Theater Application

To get the best surround sound from your Silver Reference series speakers, we recommend to position the speakers at the same distance from the listening position.

The center speaker, however, may be moved closer, but not beyond the straight line connecting the two main speakers. The rear speakers may also be closer to listening position than the main speakers to suit the configuration of your room.

#### **Notes:**

Do not place the center or rear speakers farther away from the listening position than the front speakers.

When mounting the rear speakers on side walls perpendicular to the listening position they should be placed 60-90cm above the listener's ear level at sitting down position.

Depending on the shape of your room (etc.), you may wish to place the rear speakers behind you instead of on the side walls. In this case, you can use a

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## CONNECTIONS

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- **Note:** Make sure your amplifier is off and disconnected from power while you are connecting speakers to amplifier. Turn your amplifier on only after you check and make sure speakers are properly connected.

- **Two Channel Stereo Application**

Connections are made at the terminals located on the back of the loudspeaker system. The terminals accept spade plugs, bare wire or banana plugs. For best results, use high quality speaker cables.

All Silver Reference loudspeakers have 4 gold plated binding post for single or bi-wiring options.

- **Single Wiring**

This method uses only one pair of cables to connect each speaker to the amplifier. (see Fig. 1).

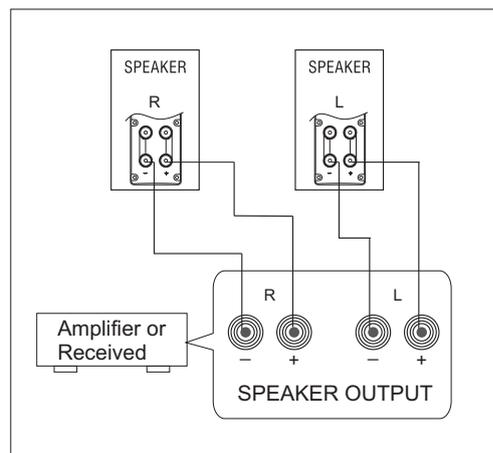


FIG. 1

For each channel, the red terminal on the loudspeaker should be connected to the red or (+) loudspeaker connection terminal on the receiver or amplifier. The black terminal on the loudspeaker should be connected to the black or (-) loudspeaker connection terminal on the receiver or amplifier. Connecting the loudspeakers in this manner ensures that they will be in phase; that is work together rather than in opposition. Connecting the loudspeakers out of phase will not damage them, but will result in less bass and poor imaging.

- **Bi-Wiring**

Bi-wiring increases the flow of current and will usually improve the sound quality. This method uses two pair of cables: one pair for the upper two terminals and one pair for the bottom two terminals (see Fig. 2).

Connect the speakers to amplifier the same manner as you do single wiring.

You will need one pair of cable for each speaker in the system.

Note: remove the metal links.

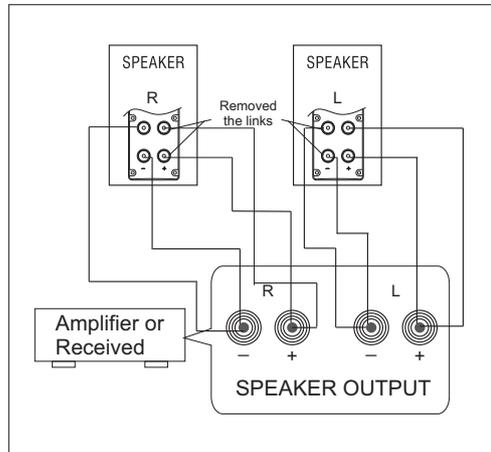
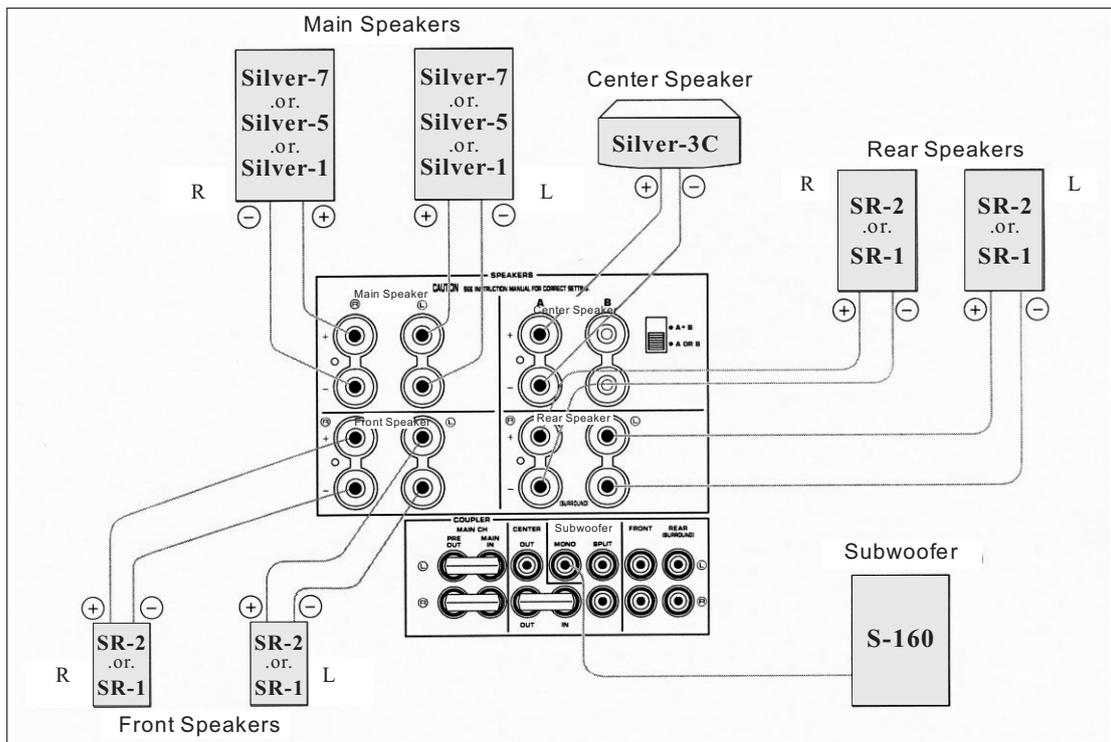


FIG 2

- **Home Theater**



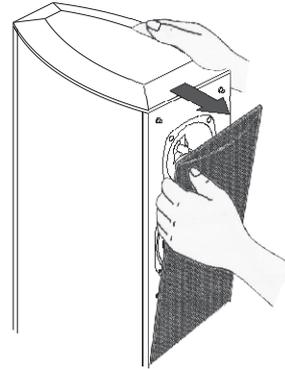
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## REMOVING THE GRILLE

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- The grille is attached to protect the speaker unit, but you can remove it if necessary.

Hold the speaker with one hand, and pull the grille gently with the other to remove it.



- **Notes:**

When removing the grille, be careful that you don't touch the drive units, and don't exert excessive force with any tools.

## WARRANTY & SERVICE

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The Silver Reference speakers come with warranty period of 3 years, starting from the date of purchase. This warranty is provided to original owner, and covers defect in materials or workmanship that occurs in normal use. This warranty excludes damage that results from abuse, mis-use, accidents, shipping, or repairs or modifications by anyone other than authorized  representatives. The warranty is void if serial number has been removed.

Should you need service on your speakers, please bring it to the dealer whom you purchased from along with sales slip.

If this is not possible, call or write to:

**American Acoustic Development LLC**  
**8559 Page Ave, St. Louis,**  
**MO 63114, USA**

**Tel: 314-814-3383**  
**Fax: 636-536-1338**  
**E-mail: info@aadsound.com**  
**www.aadsound.com**

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## SPECIFICATION

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### ■ Silver Reference Specifications

**Model: Silver-1**

Sensitivity (1 Watt @ 1M): 87 dB  
Impedance: 6 Ohms  
(compatible with 8 ohm amplifier load)  
Frequency Response: 40Hz-40KHz +/-2dB  
Recommended Amplifier Power :  
50~200 Watt  
Dimensions (HxWxD): 371x193x360 (mm)  
14.6x7.6x14.2 (inch)  
Net Weight: 10 KG / 22 Lbs

**Model: Silver-5**

Sensitivity (1 Watt @ 1M): 88 dB  
Impedance: 4 Ohms  
Frequency Response: 35Hz-40KHz +/-2dB  
Recommended Amplifier Power :  
50~300 Watt  
Dimensions (HxWxD): 987x193x360 (mm)  
38.5x7.6x14.2 (inch)  
Net Weight: 24 KG / 53 Lbs

**Model: Silver-7**

Sensitivity (1 Watt @ 1M): 90 dB  
Impedance: 4 Ohms  
Frequency Response: 30Hz-40KHz +/-2dB  
Recommended Amplifier Power :  
50~500 Watt  
Dimensions (HxWxD): 1223x193x360 (mm)  
48.2x7.6x14.2 (inch)  
Net Weight: 29 KG / 64 Lbs

**Model: Silver-3C**

Sensitivity (1 Watt @ 1M): 88 dB  
Impedance: 4 Ohms  
Frequency Response: 40Hz-40KHz +/-2dB  
Recommended Amplifier Power :  
50~300 Watt  
Dimensions (HxWxD): 173x528x323 (mm)  
6.8x20.8x12.7 (inch)  
Net Weight: 14 KG / 31 Lbs

**Model: SR-1**

Sensitivity (1 Watt @ 1M): 87 dB  
Impedance: 8 Ohms  
Frequency Response: 70Hz-20KHz +/-3dB  
Recommended Amplifier Power :  
20~150 Watt  
Dimensions (HxWxD): 258x270x114 (mm)  
10.2x10.6x4.5 (inch)  
Net Weight: 6 KG / 13 Lbs

**Model: SR-2**

Sensitivity (1 Watt @ 1M): 90 dB  
Impedance: 4 Ohms  
Frequency Response: 50Hz-20KHz +/-3dB  
Recommended Amplifier Power :  
20~200 Watt  
Dimensions (HxWxD): 258x318x167 (mm)  
10.2x12.5x6.6 (inch)  
Net Weight: 9 KG / 20 Lbs

Standard Finish: High gloss Cherry / Piano Black  
High gloss Maple / Metallic Silver  
Optional Finish: High gloss Rosewood / Piano Black  
Piano Black

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## ■ Silver Subwoofer Specifications

### **Model: Silver-160**

Amplifier Type:	Solid state class A/B
Power:	200 watts continuous into 4 OHMS
Woofers:	10" AAD designed high excursion
Frequency Response:	23 Hz to 160HZ +/-3dB
Electronic Crossover:	Continuous variable from 30Hz to 160Hz
Phase Control:	0° -180° variable
Inputs/Outputs:	RCA(100mv-6V)low level 5 way binding post high level
Enclosure Type:	Down firing woofer dual rear vents
Dimensions(HXWXD):	510X310X480(mm) 20X12.2X18.9(inch)
Net Weight:	22 Kg / 48.5 Lbs



**American Acoustic Development LLC**

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