

Congratulations on your purchase of Advent Powered Partners AV570 loudspeakers. Made in the Advent tradition of excellent quality, high-fidelity loudspeakers, your Powered Partners should give you many years of pleasure with minimum care. This instruction sheet is designed to help you get the best use out of your versatile loudspeaker system.

# Safety Instructions

### 1. Observe Safety Labels

Powered Partners AV570 loudspeaker systems contain the following warning labels:



To reduce the risk of electric shock, do not remove screws. No user-serviceable parts are inside. Refer servicing to qualified personnel.

WARNING: To prevent fire or shock hazard, do not expose this unit to rain or moisture, either direct or through dripping or splashing.

The lightening flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be sufficient enough to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the unit.



### 2. Read and Retain Instructions

All the safety and operating instructions should be read before the unit is operated, and instructions should be retained for future reference.

### 3. Heed Warnings

All warnings on the unit and in the operating instructions should be heeded.

### 4. Follow Instructions

All operating instructions should be followed.

### 5. Use Only Recommended Attachments

Do not use attachments not recommended by the manufacturer, as they may cause hazards.

### 6. Avoid Water and Moisture

The unit should not be used in any area where it could be exposed to water or moisture, such as near a bathtub, sink, laundry tub, swimming pool, wet basement, etc.

### 7. Use Recommended Carts and Stands

Only use with carts or stands recommended by the manufacturer.

### 8. Ensure Proper Ventilation

The unit should be placed in a well-ventilated area for proper functioning. Surfaces such as beds, sofas, or rugs may obstruct the unit.

### 9. Avoid Heat Sources

Keep the unit away from heat sources such as radiators, heat registers, stoves, and amplifiers.

### 10. Use Proper Power Connection

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power or other power sources, refer to the operating instructions.

### 11. Protect Power Cord

Route power supply cords so they are not likely to be walked on or pinched by items placed on or against them. Plugs, convenience receptacles, and the point where the cord exits the unit are especially susceptible to damage.

### 12. Use Polarized Plug

For safety, this unit may be equipped with a polarized plug designed to fit into a power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace the obsolete outlet. Do not defeat the purpose of the polarized plug.

### 13. Clean As Recommended

The unit should be cleaned only as recommended by the manufacturer. Do not use chemical cleaners.

### 14. Protect From Lightning

For added protection, unplug the unit from the wall outlet and disconnect the antenna or cable system during a lightning storm or when it is left unattended and unused for long periods of time. This will prevent damage from lightning and power line surges.

### 15. Do Not Overload

Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

### 16. Protect From Falls and Spills

Object that fall on or liquids that spill onto the unit may cause damage.

### 17. Service As Needed

Service by a qualified technician is required when:

- 1. The power supply cord or plug is damaged.
- 2. Object/liquid has fallen/spilled on unit.
- 3. The unit has been exposed to rain.
- 4. The unit does not operate normally or exhibits a marked change in performance.
- 5. The unit was dropped, or enclosure is damaged.

Do not attempt to service the unit beyond what is described in the operating instructions. For additional servicing, call Advent at 800-225-9847.

### 18. Use Specified Replacement Parts

When replacement parts are required, be sure the service technician uses only parts specified by the manufacturer or have the same characteristics of the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

### 19. Ask For Safety Check

Upon completion of repairs, ask the service technician to perform safety checks to ensure the product is in proper operating condition.

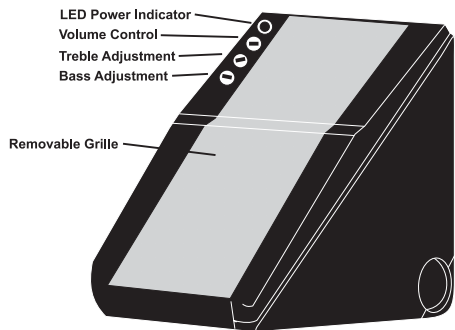
## System Features

- Two high-quality drivers (polypropylene woofer and liquid-cooled tweeter) for excellent performance across all frequencies.
- Shielded drivers for TV/video compatibility.
- A powerful amplifier with discrete output devices which provide peak power output of 35 Watts per speaker when used on AC 120 volts.

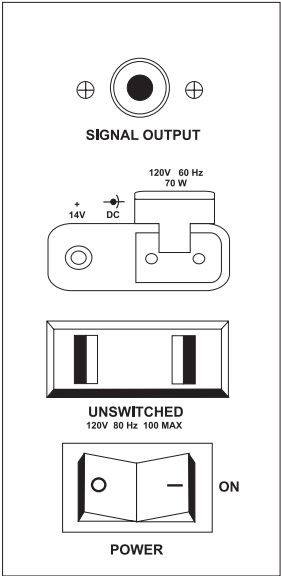
**Note: Power output will be less on DC batteries depending on the voltage.**

- Since each speaker contains a built-in amplifier, you do not need a receiver or amplifier. Simply hook Powered Partners up to your portable tape or disc player, keyboard, video player, TV, or electric guitar for high-quality stereo sound.
- An automatic on/off circuit which is activated by a music signal. The speakers will turn off automatically one minute after the music stops, allowing you to install Powered Partners in hard-to-reach places.
- A tri-state power indicator with pilot LED to indicate the power “on” condition in full brightness, “stand-by” in half brightness, and “off” with no brightness.
- AC/DC capability operating from a wide range DC input from 9V to 25V. A maximum of a 24V battery may be used for optimal output.
- Treble and bass controls which allow adjustment of treble and bass to adapt to a particular listening environment.
- Volume control to allow you to connect Powered Partners to any line level source.
- A simple yet versatile method for mounting speakers on the wall, table, floor, ceiling, etc.

### Features of the AV570



### AV570 Back Panel



## Removing the Grille

Using a sharp, pointed object, pull the exposed side of the grille slightly outward so it passes the retaining edges. Several attempts may be necessary, as the grille is not intended to be easily removed.

To reinstall the grille, line it up with the contour of the front baffle and gently press it until the outside edges snap over the retaining ridges.

## Installation

1. Before beginning, check the power requirement for the AC operating voltage written on the side of the speakers. If uncertain, contact an Advent dealer.
2. With the power switch in the “off” position, connect the AC power cord to the special socket labeled “Power Input” on the back of one of the speakers.
3. Plug the two-pronged end of the AC power cord into a household wall outlet. Note that the plug is polarized and only fits in the outlet one way.
4. Take out the 3.5 mm stereo plug to RCA connector. The 3.5 mm stereo plug end is the standard headphone plug, and the RCA connector is a color-coded (often one red, one white) two-pronged adaptor.
5. Plug the 3.5 mm stereo plug into the earphone jack of your music source.
6. Plug an RCA connector into the jack marked “Signal Input” on each speaker. If necessary, adapt the distance between the speakers. When you are facing the speakers, the red plug should be connected to the right speaker, and the white connected to the left speaker.

**Note: If you wish to place the Powered Partners far away from each other, a longer audio signal extension cable can be purchased at any retail electronics store. If your television headphone jack is mono (for use with single earphones), adapters are available at most retail electronics stores to convert the single mono signal to two-channel mono so you can use both speakers.**

## Connecting Without Earphone Jacks

1. To connect the speakers to your home stereo or video system or sources without earphone jacks, plug in the power cords as described above.
2. Connect one end of the RCA to RCA cable (purchased separately) as described above.
3. Making sure to match the colors, connect the other the other end of the RCA to RCA cable to any unused “Tape Out” connections on the back of your preamp, amplifier or receiver, CD player, VCR, tuner, tape recorder, guitar preamp, electronic keyboard, or any line level source.

**Note: Your source may use different terminology such as “Audio Out”, “Direct Out”, “Line Out”, “Tape Out”, etc.**

**Caution: Do not connect Powered Partners AV570 to the speaker outputs of any electronic device. Speaker outputs generate amplified high-level signals which can damage the speakers.**

Connecting Speakers Together  
(USA and Canada only)

In order to conserve wall outlets, the AV570 speakers can be connected to each other.

1. Plug the AC power cord into the “power input” outlet on the back of one speaker.
2. Plug the two-pronged end of the AC power cord into the wall outlet.
3. Plug a second AC power cord into the back of the first speaker.
4. Connect the other end of the power cord to the “power input” outlet on the back of the second speaker.

**Note:** Do not connect more than two Powered Partners together in this manner.

Placing the Speakers

The AV570 speakers have been designed to provide a superior listening experience in a home environment. The following are some basic suggestions for achieving the best results from your new speakers.

- Speakers should be placed near a wall, on a shelf, or on the floor.
- Orienting the speakers so they directly face the preferred listening area can have audible benefits in stereo imaging and depth of image.
- The amount the speakers are “toed in” for best performance should be determined by experimentation. For example, when the desired listening area is large relative to the distance from the speakers, the speakers should be angled in even more so that their axes cross in front of the listening area.
- The minimum separation between the loudspeakers is determined by their distance from the listening position. If they are placed too close together, the stereophonic stage will be narrow and restricted. Stage “width” will broaden as the speakers are moved apart, but too large a separation will give the effect of two separate sound sources with no central images and a poor blend of sound between the speakers. A good starting point is to have the separation between the speakers be the same as the distance from each speaker to the listening position.

Using the Controls

Power On/Off Switch

This switch is located on the input panel on the back of the speakers. Pushing the button in the “on” direction turns the speaker’s built-in amplifier on. The green light is illuminated if the speaker is turned on.

Automatic On/Off and Tri-Level LED Indicator

After the power is turned on, the speakers are ready to receive a music signal. Approximately one minute after the music stops, the unit will automatically shut down to a low power consumption mode, and the LED indicator light will dim to a pale green. This feature allows you to leave the power on all the time without concern for consuming too much power.

For extended periods of non-use, push the power switch to the “off” position, and the LED will turn off.

Volume Control

This control is used to set the maximum volume that can be achieved for a given input. When using a personal stereo (or any other device which has its own volume control) as a sound source, turn the volume control knob on you speakers to the largest dot on the dial, then use the volume control on your sound source to control the actual volume level while listening.

If the sound source for your Powered Partners does not have a volume control (for example, a stereo tuner) then the overall volume level can be controlled by turning the volume control on each speaker.

**Note:** Do not turn on the Powered Partners with the volume control turned fully up.

Treble Control

The treble on the AV570 speakers can be controlled by turning the treble control clockwise (toward the treble note depicted on the dial) for more high-frequency output and counterclockwise to decrease high frequency output.

Bass Control

AV570 speakers contain a bass boost equalizer to contour the bass response of your speaker system. The bass control increases or decreases the amount of bass boost. For maximum bass, turn the knob clockwise toward the bass note depicted on the dial.

**Note:** For maximum volume without distortion, turn the bass control all the way down. Placing the Powered Partners on the floor or in a corner will greatly increase bass response.

Mounting the Speakers

The Powered Partners AV570 speakers are equipped with versatile mounting holes that can be hidden if desired. Simply loosen the die-cast end cap and flip around the spherical metal mounting cap to expose the mounting holes.

The spherical metal end cap with mounting holes can be installed in the top or bottom of the speaker. It is locked in place by re-tightening the die-cast end cap.

The metal end cap has three holes with 8-32 threads (1/2 inch deep) and one large center hole with 7/16-10 threads (3/4 inch deep). For safety reasons, be sure that the mounting surface and mounting method selected can support at least 40 pounds.

For information about the availability of mounting brackets, please call your Advent dealer or call Advent directly at 800-225-9847.

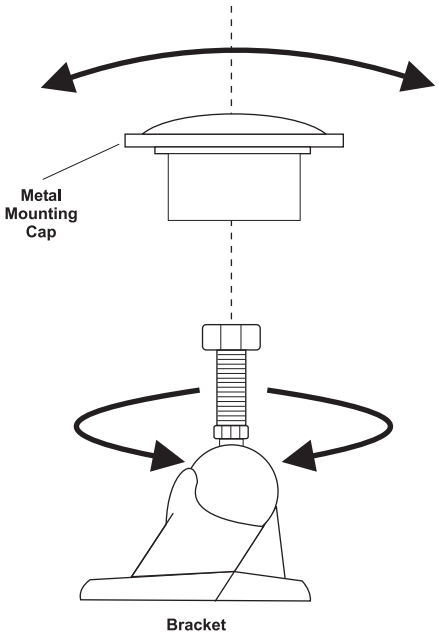
Servicing the Speakers

If the speakers aren’t functioning properly, please call Advent at 800-225-9847.

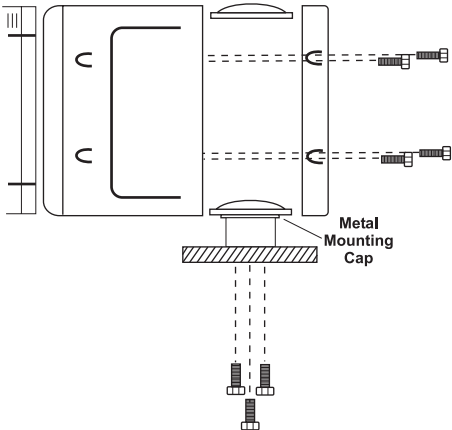
If the speakers have to be returned for repair (either inside or outside the warranty period), please first make sure they are properly packed. Neither Advent, its agents, the distributor, or the carrier can be held responsible for damage due to poor packing.

In these circumstances, any repairs to correct transit damage would be charged to the sender.

Metal Mounting Cap and Bracket



Mounting the Speakers



Cleaning the Speakers

The scratch-resistant finish of the AV570 speakers needs very little maintenance. If it needs cleaning, simply wipe the surface with a damp cloth. Do not use chemical cleaners on the surface.

Specifications

System Type

Fully self-contained powered two-way acoustic suspension loudspeaker system.

Drive Units

5” (127 mm) polypropylene long-throw woofer and liquid-cooled 1” (25 mm) tweeter. Both drive units are shielded for compatibility with video systems.

Acoustic Output

Each loudspeaker system is capable of delivering peak sound pressure levels at 1m in excess of 109 dB (AC power supply).

Power Requirements - AC Power Supply

120 volt version - 70 watts, 60 Hz; DC power supply: 9-25 volts, 14V nominal, 25V maximum.

Amplifier Performance

(AC Power Supply) 30 watts continuous per speaker, <0.5% total harmonic distortion, 40Hz-20kHz, >85 dB signal-to-noise ration (IHF A-network), 35 Watts dynamic power.

Input Sensitivity

200mV for maximum output.

Input Impedance

20K ohms.

Frequency Response

-3 dB (half power) points at 40Hz and 20kHz. (Performance depends on tone control settings.)

Crossover Frequency

5kHz.

Controls

Power on/off, LED power-on indicator, rotary volume control, rotary bass control, rotary treble control, auto power on/off.

Input/Output Panel

RCA receptacle for audio input, AC input socket, DC input socket, AC output receptacle, on/off switch.

Cabinet Internal Volume

.015 cu. ft. (2.97 liters)

System Dimensions

(HxWxD): (Including grille) triangular shape 6 1/8” x 10 1/2” x 7 5/8” deep. (155mm x 267mm x 194mm)

System Finish

Die cast alloy case and end-cap, textured, scratch-resistant paint, molded front panel, black metal grille.

System Weight

Approximately 8 lbs. (3.16kg) unpacked per speaker; 17 lbs (6.82kg) packed two speakers per carton.

Accessories Supplied

Removable AC power cord, 3.5mm stereo plug to RCA plug adapters 10 ft. (3m) long, Allen wrench, instruction manual.

**Note:** In keeping with Advent’s policy of continuous product development, we reserve the right to change specifications of any Advent product without notice if such a change will, in our opinion, improve performance or produce any other advantage to the consumer or ourselves.