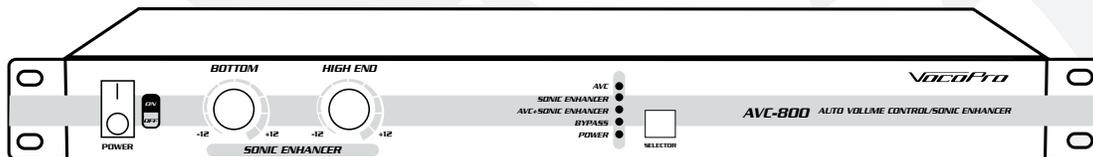


VocoPro[®]

THE SINGER'S ULTIMATE CHOICE[™]

FEATURES:

- Automatic Volume Control feature maintains a steady volume level between tracks, different media and mixer output
- Sonic Enhancer with High and Bottom controls for optimal tonal reproduction and rich, vibrant sound
- Automatic Volume Control and Sonic Enhancer features can be used independently or simultaneously
- Bypass function with a single button
- LED indicators
- RCA Audio Input with Level adjustment
- Stereo RCA Audio Output



AVC-800

Automatic Volume Control With Sonic Enhancer

o w n e r ' s m a n u a l

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THE SINGER'S ULTIMATE CHOICE[™]

Safety Instructions



CAUTION

RISK OF SHOCK



CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Only refer servicing to qualified service personnel.

Explanation of Graphical Symbols



The lightning flash & arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of danger.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

WARNING

To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.

2. Retain Instructions - The safety and operating instructions should be retained for future reference.

3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.

4. Follow Instructions - All operating and use instructions should be followed.

5. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

6. Water and Moisture - Do not use this unit near water. For example, near a bathtub or in a wet basement and the like.

7. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

7 A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause an overturn.



8. Ventilation - The appliance should be situated so its location does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation slots.

9. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

10. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. Grounding or Polarization - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

12. Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. Cleaning - Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

14. Power lines - An outdoor antenna should be located away from power lines.

15. Nonuse Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

16. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

17. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

- A. The power supply cord or plug has been damaged; or
- B. Objects have fallen into the appliance; or
- C. The appliance has been exposed to rain; or
- D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
- E. The appliance has been dropped, or the enclosure damaged.

18. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Note:

To CATV system installers (U.S.A.): This reminder is provided to call the CATV system installers attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected as close to the point of cable entry as practical.

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS

UNIT!: This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Vocopro may void your authority, granted by the FCC, to use this product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable(s) supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the U.S.A.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurances that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the owner's manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "Off" and "On", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Use power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter(s).

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300-ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your local retailer authorized to distribute Vocopro products. If you can not locate the appropriate retailer, please contact Vocopro, 1728 Curtiss Court, La Verne, CA 91750.

CAUTION

The apparatus is not disconnected from the AC power source so long as it is connected to the wall outlet, even if the apparatus itself is turned off. To fully insure that the apparatus is indeed fully void of residual power, leave unit disconnected from the AC outlet for at least fifteen seconds.

CAUTION:

READ THIS BEFORE OPERATING YOUR UNIT

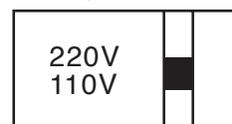
1. To ensure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
2. Install your unit in a cool, dry, clean place - away from windows, heat sources, and too much vibration, dust, moisture or cold. Avoid sources of hum (transformers, v motors). To prevent fire or electrical shock, do not expose to rain and water.
3. Do not operate the unit upside-down.
4. Never open the cabinet. If a foreign object drops into the set, contact your dealer.
5. Place the unit in a location with adequate air circulation. Do not interfere with its proper ventilation; this will cause the internal temperature to rise and may result in a failure.
6. Do not use force on switches, knobs or cords. When moving the unit, first turn the unit off. Then gently disconnect the power plug and the cords connecting to other equipment. Never pull the cord itself.
7. Do not attempt to clean the unit with chemical solvents: this might damage the finish. Use a clean, dry cloth.
8. Be sure to read the "Troubleshooting" section on common operating errors before concluding that your unit is faulty.
9. This unit consumes a fair amount of power even when the power switch is turned off. We recommend that you unplug the power cord from the wall outlet if the unit is not going to be used for a long time. This will save electricity and help prevent fire hazards. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
10. To prevent lightning damage, pull out the power cord and remove the antenna cable during an electrical storm.
11. The general digital signals may interfere with other equipment such as tuners or receivers. Move the system farther away from such equipment if interference is observed.

NOTE:

Please check the copyright laws in your country before recording from records, compact discs, radio, etc. Recording of copyrighted material may infringe copyright laws.

Voltage Selector (General Model Only)

Be sure to position the voltage selector to match the voltage of your local power lines before installing the unit.





Welcome



And Thank you for purchasing the **AVC-800** from VocoPro, your ultimate choice in Karaoke entertainment! With years of experience in the music entertainment business, VocoPro is a leading manufacturer of Karaoke equipment, and has been providing patrons of bars, churches, schools, clubs and individual consumers the opportunity to sound like a star with full-scale club models, in-home systems and mobile units. All our products offer solid performance and sound reliability, and to further strengthen our commitment to customer satisfaction, we have customer service and technical support professionals ready to assist you with your needs. We have provided some contact information for you below.

VOCOPRO

1728 Curtiss Court
La Verne, CA 91750

Toll Free: 800-678-5348

TEL: 909-593-8893

FAX: 909-593-8890

VocoPro Company Email Directory

Customer Service & General Information

info@vocopro.com

Tech Support

techsupport@vocopro.com

Remember Our Website

Be sure to visit the VocoPro website www.vocopro.com for the latest information on new products, packages and promo's. And while you're there don't forget to check out our Club VocoPro for Karaoke news and events, chat rooms, club directories and even a Service directory!

We look forward to hearing you sound like a PRO, with VocoPro, your ultimate choice in Karaoke entertainment.

FOR YOUR RECORDS

Please record the model number and serial number below, for easy reference, in case of loss or theft. These numbers are located on the rear panel of the unit. Space is also provided for other relevant information

Model Number _____

Serial Number _____

Date of Purchase _____

Place of Purchase _____

Listening for a lifetime

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. VocoPro and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing 'comfort level' adapts to a higher volume of sound. So what sounds 'normal' can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.
- Pay attention to the different levels in various recordings.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Some common decibel ranges:

Level	Example
30	Quiet library, Soft whispers
40	Living room, Refrigerator, Bedroom away from traffic
50	Light traffic, Normal Conversation
60	Air Conditioner at 20 ft., Sewing machine
70	Vacuum cleaner, Hair dryer, Noisy Restaurant
80	Average city traffic, Garbage disposals, Alarm clock at 2 ft.

The following noises can be dangerous under constant exposure:

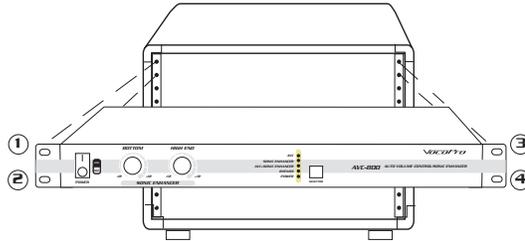
Level	Example
90	Subway, Motorcycle, Truck traffic, Lawn Mower
100	Garbage truck, Chainsaw, Pneumatics drill
120	Rock band concert in front of speakers
140	Gunshot blast, Jet plane
180	Rocket launching pad

-Information courtesy of the Deafness Research Foundation

Getting connected

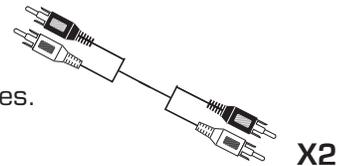
Installing the AVC-800 in a rackcase

Mount the AVC-800 into a console or rack with 19" rails. It can be mounted using 4 screws. Make sure the holes are aligned evenly. Use an alternating "X" rotation to ensure even tension and alignment



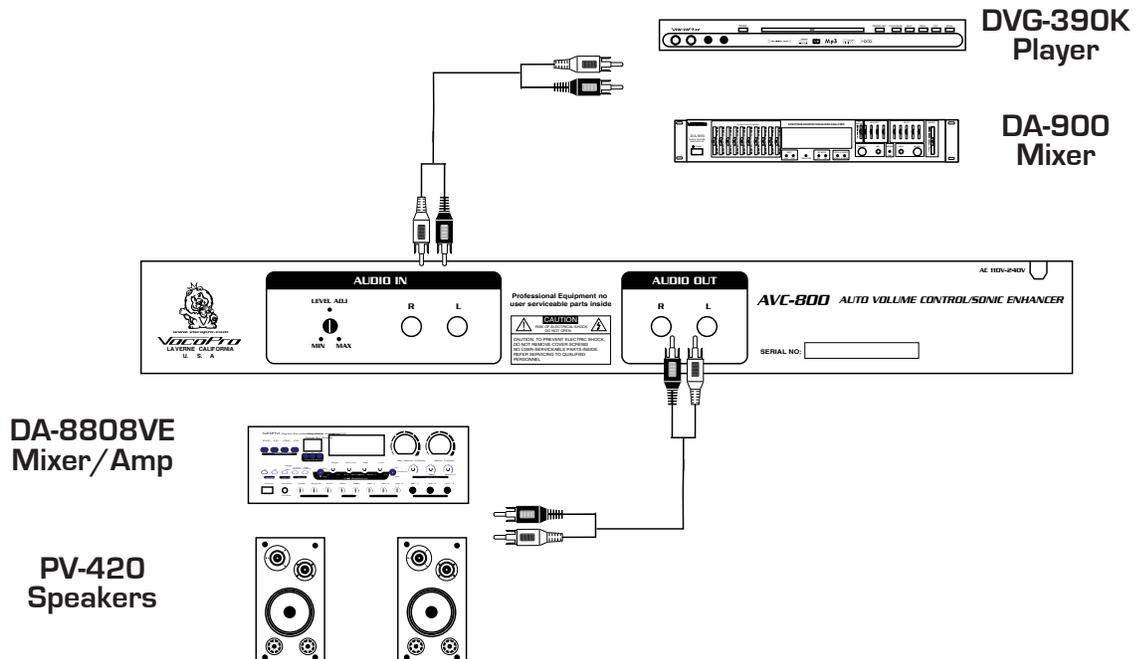
Connecting the AVC-800

To connect the AVC-800 you will need two RCA (red and white) cables.



The INPUT of the AVC-800 should be connected from the OUTPUT of a music player (DVD, CD, etc.) or a mixer with RCA outputs. Match the corresponding colors (red or white) on the cables with the colors on the RCA jacks.

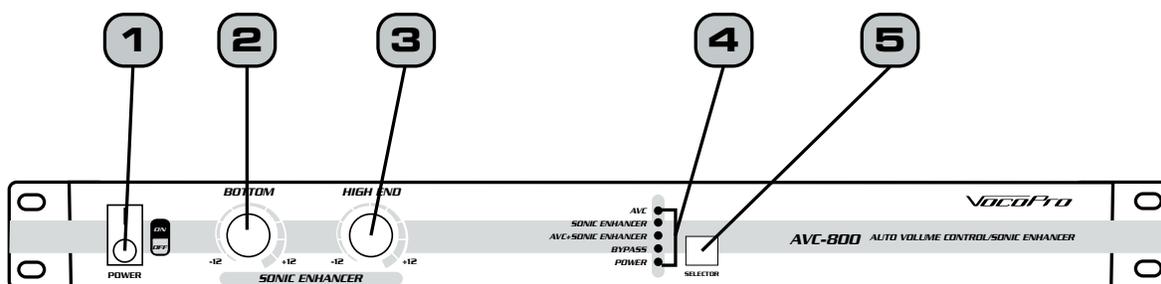
The Output of the AVC-800 should be connected to the INPUT of a receiver/amplifier, mixer, or speakers with RCA inputs. Match the corresponding colors (red or white) on the cables with the colors on the RCA jacks.



Front panel descriptions and functions

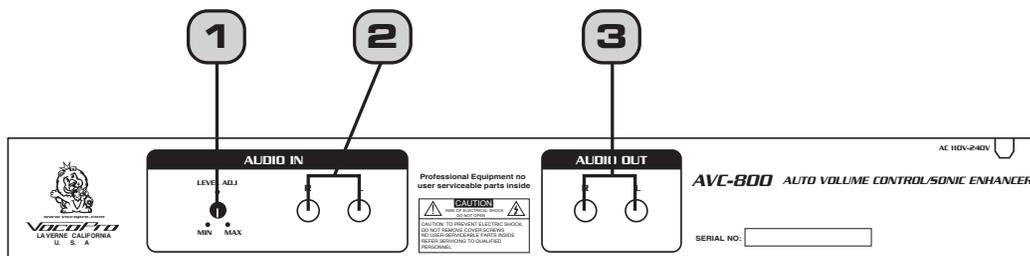
- 1. POWER switch** - This switch turns the AVC-800 ON and OFF.
- 2. BOTTOM END control** - Use this control to increase/decrease the Bottom End (lower frequencies) of the music. Turning the control clockwise will increase the Bottom end and turning it counter-clockwise will decrease the Bottom end. This control is only active when Sonic Enhancer is selected on.
- 3. HIGH END control** - Use this control to increase/decrease the High End (higher frequencies) of the music. Turning the control clockwise will increase the High end and turning it counter-clockwise will decrease the High end. This control is only active when Sonic Enhancer is selected on.
- 4. LED indicators** - These indicate which mode/modes are currently active on the AVC-800.

AVC is lit - Auto Volume Control is currently active
SONIC ENHANCER is lit - Sonic Enhancer is currently active
AVC+SONIC ENHANCER is lit - Both Auto Volume Control and the Sonic Enhancer are simultaneously active.
BYPASS is lit - Auto Volume Control and the Sonic Enhancer are simultaneously inactive.
POWER is lit - The AVC-800's Power is ON.
- 5. SELECTOR button** - Use this button to Select between the AVC, SONIC ENHANCER, AVC+SONIC ENHANCER, AND BYPASS modes. The LED indicators will indicate which mode/modes are active.



Rear panel descriptions and functions

- 1. LEVEL ADJ control** - Use this control to adjust the master input volume level.
- 2. AUDIO input jacks** - Connect, using an RCA L/R (red and white) cable, to the output of a player (DVD, CD, etc.) or mixer.
- 3. AUDIO output jacks** - Connect, using an RCA L/R (red and white) cable, to the input of a mixer or a receiver/amplifier.



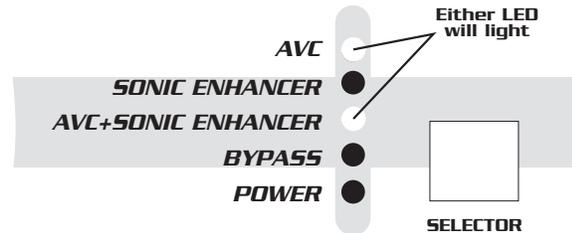
Operations

AVC (AUTO VOLUME CONTROL) MODE

AVC maintains a steady volume level between tracks, different media, and mixer output.

Turning on Auto Volume Control

To activate AVC, push the SELECTOR button until the proper LED is lit. AVC is active when either the AVC or AVC+SONIC ENHANCER LEDs are lit

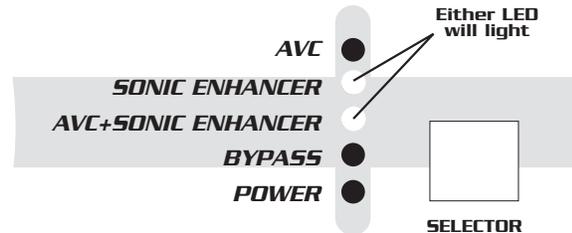


SONIC ENHANCER

The Sonic Enhancer gives you greater control over the HIGH END and BOTTOM ends of the music, allowing you to completely optimize the tonal quality.

Turning on the SONIC ENHANCER

To activate the Sonic Enhancer, push the SELECTOR button until the proper LED is lit. Sonic Enhancer is active when either the SONIC ENHANCER or AVC+SONIC ENHANCER LEDs are lit.



Adjusting the Tone

To use the HIGH END and BOTTOM controls to adjust the tone of the music, the SONIC ENHANCER must be activated. See above for directions on activating the SONIC ENHANCER.

Adjusting the bottom end

Turn the BOTTOM control clockwise to INCREASE the bottom end and turn it counter-clockwise to DECREASE it.

Adjusting the high end

Turn the HIGH END control clockwise to INCREASE the high end and turn it counter-clockwise to DECREASE it.

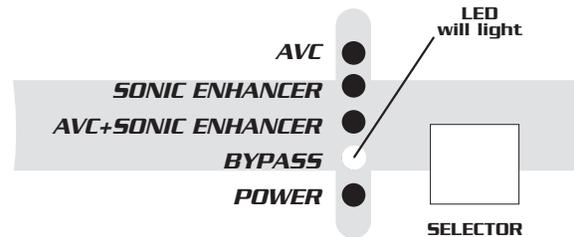
Operations cont.

BYPASS

When the AVC-800 is in BYPASS mode, both AVC and the SONIC ENHANCER are inactive.

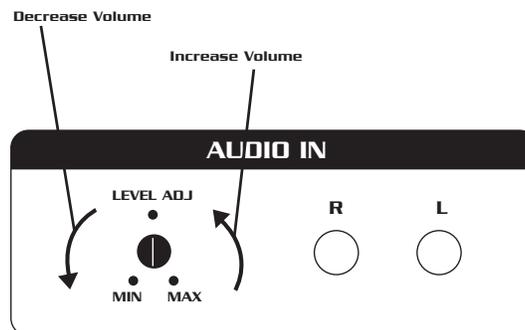
Setting BYPASS mode

To set the AVC-800 to BYPASS mode, push the SELECTOR button until the BYPASS LED is lit.



INPUT LEVEL CONTROL

You can manually adjust the volume level of the input using the LEVEL ADJ control on the rear panel of the AVC-800. Turn the LEVEL ADJ control clockwise to INCREASE the input volume level and turn it counter-clockwise to DECREASE the input volume level.



AVC-800 Specifications

AVC INPUT VOLTAGE————— 110-120V / 220-240V

POWER CONSUMPTION————— 8 WATT

FREQUENCY————— 50Hz-60Hz

AV1 AV2 AV3 AUDIO INPUT SENSITIVITY————— 200mV

AUDIO OUTPUT LEVEL————— 200mV

DIMENSIONS————— 19"(H) X 1.9"(W) X 7.7"(D)

WEIGHT————— 6.6 lbs.

Troubleshooting

The player does not turn on.

Make sure the power cord is plugged into a socket that works or a power-strip/surge protector that is turned on.

The player is playing a disc but no sound is coming out of the speakers.

Make sure the AVC-800 is turned ON. (When the power is on, the green POWER LED is lit.)

Make sure the LEVEL ADJ control on the rear panel of the AVC-800 is not turned completely down.

Make sure all cables are firmly attached to the AVC-800, the player's output and the receiver's input.

Make sure none of the cables are damaged. (Try using a different RCA cable/cables.)

There is no difference in sound when I adjust the HIGH END and BOTTOM control.

Make sure the SONIC ENHANCER mode is activated. (The SONIC ENHANCER or AVC+SONIC ENHANCER LED is lit.) Use the SELECTOR button to toggle between the modes.

Make sure BYPASS mode is not activated.

The volume levels of my media are not steady and the AVC does not seem to be working.

Make sure the AVC mode is activated. (The AVC or AVC+SONIC ENHANCER LED is lit.) Use the SELECTOR button to toggle between modes.

Make sure BYPASS mode is not activated.

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