

SVS 200 User's Guide 2018

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Thank you for your purchase.



800.724.0236
AVRover.com

WARRANTY AND MAINTENANCE INFORMATION

Thank you for purchasing the AVRover portable AV system from AVRover. We have assembled this system according to strict quality standards. You should receive many years of reliable service from your AVRover. Your AVRover may contain components with manufacturer's warranties that pass through to you. AVRover warrants each AVRover "Base Unit" for a period of five years from the time of end user delivery. The "Base Unit" includes the powder coated metal cart, drawers and/or storage compartments, wheels, wiring harnesses, mounted speakers and the AVRover brand mixer amp. Components such as projectors, DVD's, Computers, document cameras and other devices will carry their own manufacturers warranties that will be passed on to you.

You will receive operation manuals, remotes and batteries for the major component parts in your AVRover system. Even though you may not need these items to operate your system, you should keep them in a safe place for future use.

The rack screws used in the installation of your AVRover may require a security bit to remove the components for maintenance. The keys to the storage compartment are attached to the outside of the system. Keep this key in a safe place.

STANDARD WARRANTY- The AVRover System comes with a five year Limited Warranty.

All component parts of the AVRover carry various warranties from the manufacturers of the particular component part. AVRover is a factory authorized warranty repair facility for most of the component parts contained in the system. If you should experience trouble with your system, call us toll free at (800)724-0236. We will assist you in getting your system functioning as quickly and efficiently as possible.

The five year limited warranty includes parts and telephone assistance, excluding damages caused by accidents, misuse, lightning, fire, other acts of God, etc. This warranty does not include transportation of the AVRover to or from a designated repair facility. The customer is responsible for providing technically capable personnel to affect preventative maintenance, and if necessary, simple repairs under the direction of SVS technical staff including but not limited to the removal of a faulty component part for replacement. AVRover will have the option to replace or repair any AVRover "Base Unit" parts under this warranty.

NON-WARRANTY SERVICE

Please be aware of the following. Some of the equipment integrated into the AVRover system may still have a separate manufacturer's warranty. If a component of your system fails, you will be responsible for disconnecting it from your AVRover, sending it to AVRover or another Warranty Repair Facility, and reintegrating it back into your AVRover. Repairs, if not covered by a manufacturer's warranty will be billed at standard repair rates. Phone support will be available from AVRover certified technicians.

AVRover SVS200 Options

iAVRover	Wireless iPad Mirroring capability
Interactive	Interactive Whiteboard System- includes software, wand and stylus pen
InteractiveOS	Additional Hand Held Stylus Pen
RoverPad	Interactive Slate/Tablet
SVS-3D	Active Stereoscopic 3D Projection/ Capability
SVS-Lock	Cable Lock Device
SVS-HDWH	Heavy Duty 5" Rubber Wheels with rear locking brakes
SVS-CM	Camera Mount for PTZ Camera
SVS-DCS	Document Camera Shelf for Additional Work Surface
SVS-CI	Custom installation of other equipment

Problem	Check
<p>Picture is green on INPUT 1 (COMPONENT)/INPUT 2 (COMPONENT).</p> <p>Picture is pink (no green) on INPUT 1 (RGB)/INPUT 2 (RGB)</p>	<ul style="list-style-type: none"> Change the input signal type setting When you cannot select an input signal type, select "Color is faded or poor" in Help menu, after selecting an item other than "RGB" in Picture Mode, and then select an input signal type.
Picture is too bright and whitish.	<ul style="list-style-type: none"> Image adjustments are incorrectly set
The cooling fan becomes noisy.	<ul style="list-style-type: none"> When temperature inside the projector increases, the cooling fan runs faster.
<p>The lamp does not light up even after the projector turns on.</p> <p>The lamp suddenly turns off during projection.</p>	<ul style="list-style-type: none"> The lamp indicator is illuminating in red. Replace the lamp.
The image sometimes flickers.	<ul style="list-style-type: none"> Cables incorrectly connected to the projector or the connected equipment works improperly. Select "Vertical stripes or flickering image appear" in the "Help" menu and make the necessary adjustments. If this happens frequently, replace the lamp.
The lamp needs a lot of time to turn on.	<ul style="list-style-type: none"> The lamp will eventually need to be changed. While the remaining lamp life draws to a close, replace the lamp.

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Important Information

With proper care, your AVRover presentation console will provide you with many years of trouble-free operation.



Warnings:

- The projector inside the console is a high-brightness light source. Do not stare directly into the light and do not allow children to look directly into the light.
 - To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. Do not expose the console to dripping or splashing liquids.
 - Do not place any object that has an open flame or is filled with liquid on the console. Avoid keeping beverages on top of the console.
 - This console has a three-wire grounding-type plug. This plug only fits into a grounded power outlet or extension cord. Do not remove third prong or try to fit into a standard outlet. Contact an electrician to replace outlet if needed.
 - To prevent tripping hazards and damage to cables, coil any extension cable that exits the console onto the cable wrap, especially during storage or transport.
 - Do not plug unnecessary item in auxiliary power outlet. The outlet is intended for laptop and document camera only. The system and the additional load may overload the system power surge.
 - Use caution when attempting to open the rear door of the AV Rover, as wires are attaching the unit to the rear door. Removing the rear door without attention to the attached speaker and amplifier wires will damage the system.
 - Unit should be moved by authorized adults only; do not allow children to move the unit. Do not sit or ride on unit.
 - Prior to moving unit, remove all equipment and items from on top of unit and disconnect all electrical cords from wall outlets.
 - Do not allow equipment to overhang or extend beyond edge of top or shelves and close all doors and drawers, removing the keys before moving.
 - Unlock the casters. PUSH unit, from narrow side only, NEVER PULL.
 - Be certain you have clear vision and avoid rough or uneven surfaces and remove obstacles in your path.
- Push at a slow walking pace, applying force to the narrow side.

Troubleshooting

Problem	Check
No picture and no sound or projector does not start.	<ul style="list-style-type: none"> • System power cord is not plugged into the wall outlet. • Power to the external connected devices is off. • The selected input mode is wrong. • Cables may have come loose. • External output has not been set on the laptop computer.
Sound is heard but no picture appears or picture is dark.	<ul style="list-style-type: none"> • Cables may have come loose. • "Bright" is set to the minimum position. • Depending on the computer you are using, an image may not be projected unless the signal output setting of the computer is switched to the external output. Refer to the computer's operation manual for how to switch its signal output settings.
Color is faded or poor.	<ul style="list-style-type: none"> • Image adjustments are incorrectly set on the projector. • Make adjustments of "Color" and "Tint" in "Picture Mode" (Video Input only) • Video Input system is incorrectly set on the projector.
Picture is blurred; noise appears.	<ul style="list-style-type: none"> • Adjust the focus • The projection distance exceeds the focus range. (Computer Input Only) • Perform "Fine Sync" Adjustments (Phase Adjustments) • Noise may appear depending on the computer.
Picture appears but no sound is heard.	<ul style="list-style-type: none"> • Cables are incorrectly connected • Volume is set to minimum. • The amplifier is not turned on.

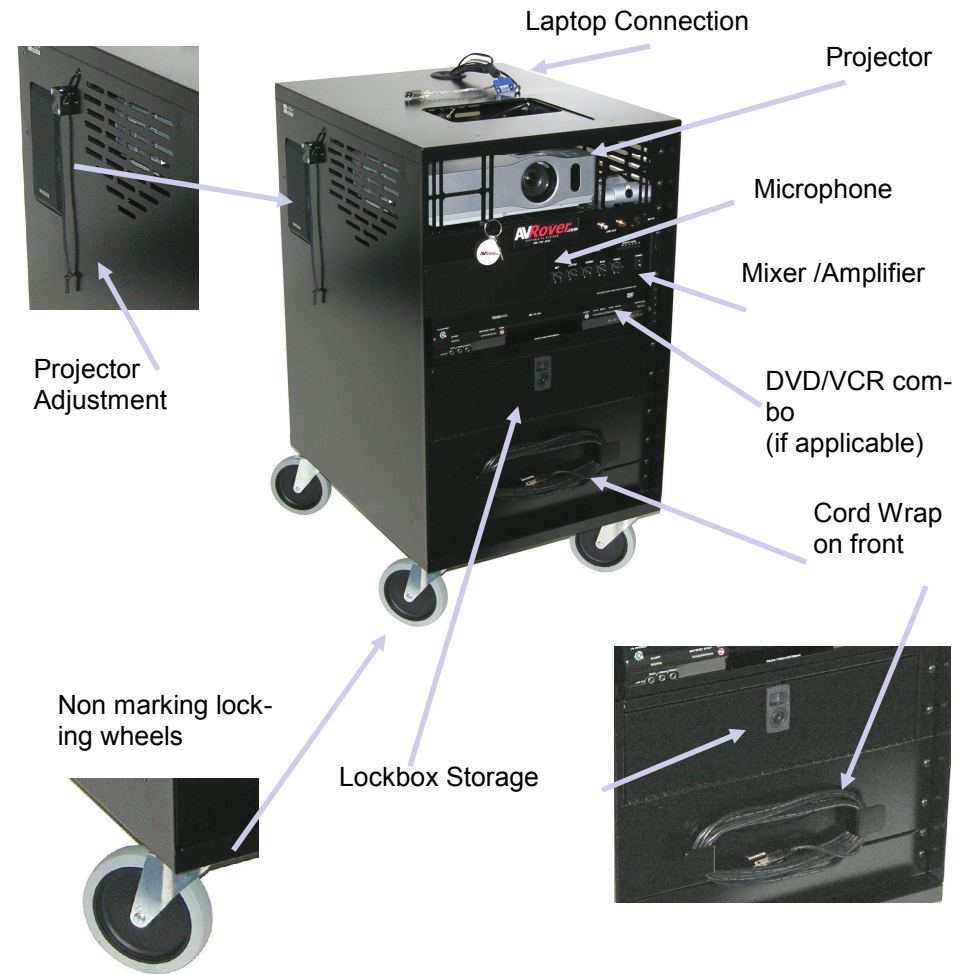
The projector menu access panel on the top of the system can be removed and rotated so the projector's menu aligns with the access panel. Moving the projector to a different position on the mount may help aligning the projector's menu with the menu access panel.

Check all cables and power cords. Plug the power cord into an electrical outlet and test the system. Secure all cables and power cords with wire ties. Check that the mount moves up and down freely without cable obstruction. Replace back panel and you are ready to use the AVRover. If you have any questions, call AVRover at 1(800)724-0236.

- Unplug the console during electrical storms or if it won't be used for a long period of time.
- Unplug the console from the wall before you install any additional components or perform any maintenance. In addition, make sure your peripheral devices aren't on when you're making cable connections.
- If you need to lift the unit for travel purposes, lift from the bottom, using your legs to avoid personal injury or damage to the unit.

Find additional Safety information at www.avrover.com, or call 800-724-0236

Components of your AVRover



Getting Started

The AVRover presentation console is a rugged rolling unit (35" high) with all of its components securely mounted inside. Using the presentation console is as easy as rolling it into place, plugging it into an electrical outlet, and turning it on. There are no doors to open, no shelves to deploy, and no need to find the remote controls since all component controls are easily accessible, including the projector that is securely mounted on an easily-adjusted, tilting shelf.



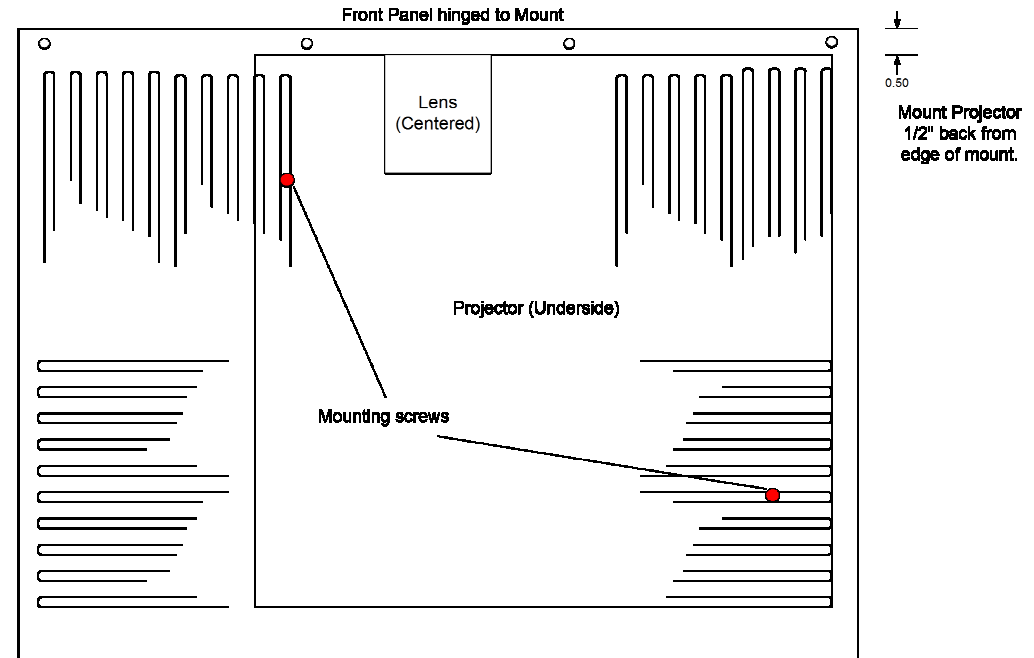
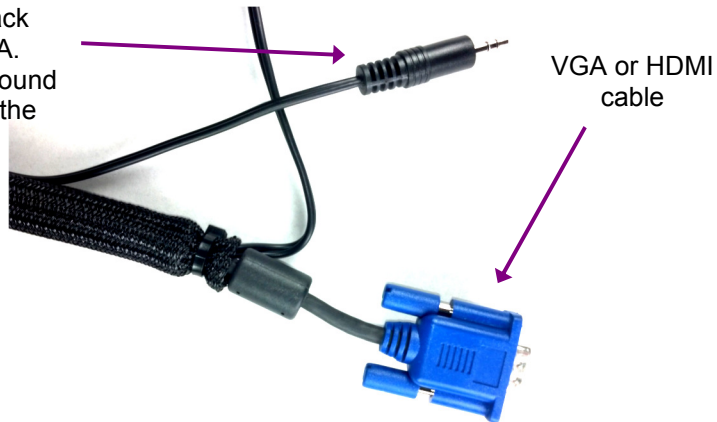
Using the Console

Because the cabinet is mobile, you can easily wheel it to any location for a presentation. Once in place, you're now able to access the devices to deliver your multimedia presentation.

Connecting a User's Laptop (standard models)

Your AVRover comes equipped with the cable(s) needed to use a laptop. Connect the VGA or HDMI cable to the jack on your laptop and the audio cable to the headphone jack (w/VGA only). For HDMI the sound goes through the HDMI cable into the projector and out of the projector to the amplifier. In this case the projector volume should be set to high and the volume is controlled with the computer or the AVRover amplifier.

Headphone jack
used with VGA.
With HDMI, Sound
goes through the
HDMI Cable



Lay your projector upside down on a flat surface. Place the mount assembly upside down onto the projector and align the projector so that the projector front is $\frac{1}{2}$ " back from the front edge of the mount and centered so that the lens will align with the opening in the face panel. Using machine screws (and spacers if needed), secure the projector to the mount through the vertical and horizontal slots, with two screws (M4 screws provided – some projector models may require different screws and/or spacers). **UTILIZE SPACERS TO KEEP THE MOUNT PLATE FLAT OR THE PROJECTOR WILL NOT BE LEVEL.** Reinstall projector mount onto rack rails. Laying system on its back side may facilitate mounting the shelf. Reconnect adjustment cord to mount and feed through to cleat. Secure the cord with the cleat. Replace projector face panel.

From the rear access, attach video cable (yellow) to projector and combo. Plug power cord from projector into power/surge strip. Slide cable jacket (provided) over the VGA cable and the laptop audio cable. Audio cable should extend at least 12" longer than VGA cable to allow for easy plugging into your laptop's ports. Tie off cable jacket with wire ties at both ends of the jacket. Feed through the grommet on the top of the system. Plug VGA cable into projector (RGB in) and the audio cable into the amplifier.

From the rear of the 'Rover plug video cable (yellow) to connect projector and combo. Plug the red / white combo audio out to the DVD input on the mixer amp. Use the surge strip outlet to power the combo.

Finally reattach the speaker wires to the correct terminals and refasten the rear door.

AVRover Installation Instructions:

How to Install Desktop Computer onto Clamping Shelf

Remove any pads (feet) from the base of the desktop computer. Clean the bottom of the desktop computer as well as the clamping shelf with Rubbing Alcohol

Cut 4 1" pieces of foam tape

Apply 1 piece in each corner of the base of the desktop computer (or where the feet were originally located)

Center the desktop computer on the clamping shelf making sure that the lip of the shelf does not block any disk drives or inputs.

****IF A DRIVE OR INPUT IS BLOCKED PLEASE FOLLOW A, B & C, IF NOT CONTINUE TO STEP 7****

If a drive or input is blocked remove the backing from the foam tape in each corner and press to stick a rubber bumper on each of the 4 1"x1" pieces of tape.

Then proceed to add foam tape to the bottom of each of the bumpers.

Remove the backing on the foam tape and proceed to stick the desktop computer w/ the rubber bumpers attached to the clamping shelf.

If neither any drives nor inputs are obstructed proceed to remove the backing on the foam tape in each corner and press to fix the base of the desktop computer to the clamping shelf

Apply even pressure to both ends of the clamping bar and tighten both screws.

Check to make sure that the desktop is SECURED before reinstalling the clamping shelf.

Projector Installation Instructions

Note that there were two security bits provided in the documentation bag, one for the rear access panel (larger bit) and another (smaller bit) for the components mounted on the front of the system. Remove rear access panel with the larger security bit. Remove projector mount and the projector face panel by removing the screws on the front of the system with the smaller security bit. Note the mount adjustment cord configuration and undo from the cleat end. This will allow the mount assembly to be removed. **Continued on next page)**

Powering up the AVRover

1. **Turn on the projector** – After plugging the unit into the electrical outlet, turn on the projector. Press the power button shown through the top of the console.
2. **Video Input** – The projector will display which video output it is currently utilizing. To select the option you want to use, (eg. Computer, VCR, DVD) press the "input" or "source" button until your desired video source is showing.



Please note that different models of projectors have different features and controls. Consult the projector manual for more specific information. Example shown above is menu for Hitachi projector.

Using the Components

The AVRouter comes equipped with an amplifier, line out, and microphone input jack.

Amplifier

If the red LED is not already lit, located above the power button, press the button to the “on” position. Once “on,” the red LED should light on the amplifier. (for more information on the AVR-25 amp please refer to page...

Microphone

Connect the microphone to the microphone input.

Some microphones have on/off switches on their handles. Verify that it is turned on. The microphone will be ready to use as soon as it is plugged in. The microphone has been programmed into the system to override any other audio output. Therefore, when you speak into the microphone, any other sounds that were playing will be lower in volume and the voice will be heard through the speakers. Adjust the microphone volume control on the amplifier.

Line Out

The red and white RCA jacks can connect external powered speakers to the amplifier incorporating the AVRouter into your existing sound system.

Using a Computer

1. Connect the pull out VGA and audio cable and connect to the computer and power the projector and the PC as described above.
2. If the computer's image is not already displaying on the projector, press the “Video Input or Source” button. The projector should now display the image of the connected computer.
3. The Laptop Cables will always be connected to VGA Input #1.

1. .

Combo, Computer & Projector Installation Instructions

DVD/VCR Combo Installation Instructions

Note that the SVS 200 system was designed to accommodate most DVD/VCR combos (or DVD recorder/players) on the market. The opening is 3-1/2” high by 17-1/2” wide. In the rare instance that a player larger than this may need to be installed, the lock box and / or other components can be moved down one rack space and a smaller cord wrap panel can be used. Call us if you need a smaller cord wrap panel.

Note that there were two security bits provided in the documentation bag, one for the rear access panel (larger bit) and another (smaller bit) for the components mounted on the front of the system. Remove rear access panel with the larger security bit. Carefully detach the wires from the spring loaded terminals on the speaker and make a note of what wire is attached to each terminal on the speaker. Failure to reattach the correct wire to the speaker terminals will result in reduced audio quality.

****Please note! Prior to removing the lockbox to install combo (or component) please make sure to do the following:****

1. Remove the speaker behind the surge strip
2. Remove the mixer amp's power supply
3. Remove the screws from the lockbox support brackets
4. Remove cabling attached to the lockbox

****Once the lockbox with component has been secured to the rack rails be sure to reattach everything removed in steps 1-4****

Remove rack component the combo will mount to, usually the lockbox or drawer by removing the screws from the rack rails on the front of the system. Laying the unit on it's back will ease removal and installation of the equipment from the rack.

After cleaning mounting surfaces underneath the combo with rubbing alcohol, peel off the protective layer on the tape. Position the combo by pivoting the front bottom edge of the combo inline with the front edge of the mounting surface and tilting it towards you so that you can center / line up the unit on the mounting surface front edge without the tape touching and then slowly lower it down. The tape is very tacky so take your time because once it adheres, it will be difficult to reposition. Replace the combo / lockbox (or whatever the combo is attached to) into the 'Rover and reattach the rack screws with the provided security bit. Be certain to line up the holes in the component with the rack rails holes so the screw's threads aren't damaged when threaded into the rack rails.

(continued on following page...)

SPEAKER INSTALLATION

CONNECTING FOR DIRECT OPERATION

Connect speaker(s) to terminals 1 and 2. For proper signal phasing, observe +/- polarity.

MAINTENANCE

The AVR series is built to last and therefore comes equipped with multiple built-in protections including, short circuit protection, and thermal. If the unit is overloaded (e.g. too many speakers, shorted speaker line, mismatched line impedance or overheated (e.g. obstructed or poor ventilation of the unit, mismatched line impedance) the unit will fail to provide output. Overloading and overheating of the amp can lead to premature output failure.

The equipment has been designed to be convection cooled and thereby not requiring any maintenance. Keep the unit's vents clear of obstructions. And with proper installation the unit will last for many maintenance free years.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION(S)
No Front Panel POWER ON Indication	<ul style="list-style-type: none"> No power present. 	-Verify the unit is receiving AC power and connected. Verify the AC outlet has proper AC voltage available
No Audio Output:	<ul style="list-style-type: none"> No input signal source. 	Verify that proper signal/level is being supplied.
	<ul style="list-style-type: none"> Incorrect input signal connection 	Verify that the signal source is correctly connected to the desired input.
	<ul style="list-style-type: none"> Incorrect output connections 	Check that the proper load is correctly connected to the desired output terminals.
No Automatic Muting of Input Signal	<ul style="list-style-type: none"> Internal jumper setting 	Check that the internal mute jumper is not disabled.
Low, High, or Distorted Level:	<ul style="list-style-type: none"> Volume setting 	Check the corresponding gain control on the front panel.
	<ul style="list-style-type: none"> Signal level 	Check that adequate input signal level is strong enough.
	<ul style="list-style-type: none"> Input or output impedance not matched 	Check that the proper input/output line impedance matches the selected input/output connections used
	<ul style="list-style-type: none"> Possible low resistance or shorted wiring across the audio in and/or across the speaker out 	Check/correct system wiring.

Playing a DVD

1. Power up the projector as described in the above procedure.
2. Turn on the DVD player.
3. Insert the DVD disk into the DVD player.
4. Use the DVD controls to rewind, fast forward, or play your disc.
5. Adjust the volume using the DVD Volume Control knob on the amplifier.
6. When finished, eject your DVD, and power down the player.



Turning off the System

1. Shut down the computer as you normally would power down a computer.
2. Press the power button twice to turn off the projector. The projector will 'rev' up its fan and then shutdown completely. This may take a few moments, but be sure the projector does shut down.
3. **DO NOT** unplug the system's power cord until the projector fan has stopped. Moving the system while the projector is still hot may cause damage to the lamp.
4. Press the power buttons on the DVD/VHS and amplifier to completely shut down the unit.

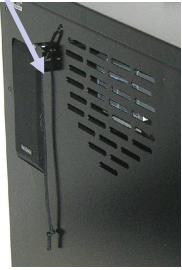
Adjusting a Lopsided Image

If the image is lopsided, rotate one side of the console forward or backward. If that doesn't resolve the issue, you may need to adjust the key-stone. See projector manual for instructions.

Adjusting the Image

While you're trying to center the rectangular image, please note that it is not always possible to get a perfectly shaped image. This is because the screen, projector, console, and floor are independent, physical variables.

Adjustment
Pull Cord



- When centering the image stand behind the console.
- Using the adjustment pull cord on the side of the console, raise or lower the image by pulling the cord. Lock it into place by pulling the cord downward.
- Moving the cabinet left or right will adjust the horizontal alignment.
- To make the image larger, move the console backward, and likewise move the console forward to make the image smaller.
- The zoom lens will allow you to set the zoom to near maximum. This will give you the largest image at the

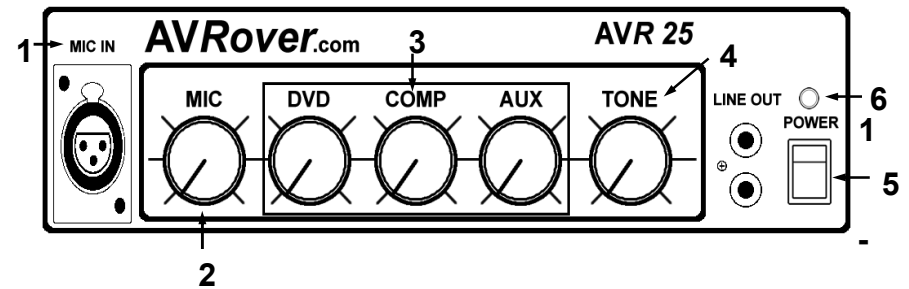
shortest distance, leaving a small portion of the zoom to make final adjustments.

Information on the SVS100 Amplifier (LM3886 Overture Series)

DESCRIPTION/SPECIFICATIONS

The AVR-25 is a mixer amplifier providing 25 watts of power and features laptop and dvd volume controls. Channel one accepts balanced MIC, the second stereo to mono converted DVD line input, the third and fourth labeled computer and aux stereo to mono converted line inputs. It also features Automatic Voice Activated Muting of all channels from mic input (defeatable), tone control and convection cooling.

Power output:	25 Watts
Distortion at Rated Output:	<0.1%THD+N Typically <0.3% THD+N
Outputs:	4-24 ohm direct, balanced line.
Frequency Response:	Direct Output: 20 Hz to 20 kHz \pm 1 dB
Hum/Noise:	Mic/Tel-Page/600 ohm: -60dB Auxiliary: -75dB
Tone:	Treble Cut



1. MIC IN

Female XLR style balanced microphone input jack, in parallel with XLR on rear.

2 - MIC (CHANNEL 1)

The MIC/TEL gain control adjusts the volume level of the microphone.

3 - DVD, COMP, AUX

These gain controls adjust their respective volume of inputs.

4 - TONE CONTROL

The TONE control runs from flat position to treble cut.

5 - POWER SWITCH

The Power Switch turns the AVR25 unit on or off.

6 - POWER INDICATOR

The red LED indicates when power is on.

If you do not hear anything through the SVS200 please check to make sure:

- You do not have audio muted in the sound settings on your laptop.

You have connected the cable to your laptops headphone input, which should be designated by a small picture of headphones.

- Your SVS200 is plugged in and you have turned up the appropriate volume knob (in this case "Laptop") for the device you wish to use on the amplifier.