

# ViziTech USA

## 3DAVRover User's Guide 2014

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Thank you for your purchase!



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## WARRANTY AND MAINTENANCE INFORMATION

Thank you for purchasing the AVRover portable AV system from Sound Video Systems. 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. Sound Video Systems warrants each AVRover "Base Unit" for a period of five (5) 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, 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 (5) year Limited Warranty.

All component parts of the AVRover carry various warranties from the manufacturers of the particular component part. Sound Video Systems 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 (5) 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. Sound Video Systems 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 Sound Video Systems 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.

## Available Content for the 3DAVRover

Reference #	DESCRIPTION
SVS-E3D5	Eureka.in 3D Stereoscopic Content by Designmate (200 videos, Purchase) 5 yr single user license
SVS-E3DHD	Eureka.in 3D Stereoscopic Content by Designmate Hard Disc for end user installation only
SVS-E3D1	Eureka.in 3D Stereoscopic Content by Designmate (200 videos, 1 yr. license)
SVS-EA5	Eureka.in 3D Stereoscopic Animations by Designmate (50 animations 5 yr. license)
SVS-EA1	Eureka.in 3D Stereoscopic Animations by Designmate (50 animations 1 yr. license)
SVS-AIB	Amazing Interactives Biology Lessons (Purchase)
SVS-AIC	Amazing Interactives Chemistry Lessons (Purchase)
SVS-AIM	Amazing Interactives Math Lessons (Purchase) 33 lessons
SVS-AIE	Amazing Interactives Elementary (Purchase) 8 Individual Learning Modules
SVS-AIDTS	Amazing Interactives Discover the Senses (Purchase)
SVS-AIDTR	Amazing Interactives Discover the Respiratory System (Purchase)
SVS-CS3D	Cyber Science 3D Stereoscopic Interactive Content (75 files, Purchase)
SVS-CS3D	Cyber Science 3D Stereoscopic Interactive Content (75 files, Purchase)
SVS-JTMP	JTM Concepts Science Primary Content (31 lessons)
SVS-JTMI	JTM Concepts Science Intermediate Content (53 lessons)
SVS-JTMJHS	JTM Concepts Science Jr. HS Content (52 lessons)
SVS-JTMSHS	JTM Concepts Science Sr. HS Content (47 lessons)
SVS-VfrogD	V-Frog Dissector (single user license)
SVS-VfrogDS	V-Frog Dissector (site license)
SVS-3DWARRANTY	AVRover 3D Content Support 1 yr Extended Warranty

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"> <li>• Change the input signal type setting</li> <li>• 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.</li> </ul>
<p>Picture is too bright and whitish.</p>	<ul style="list-style-type: none"> <li>• Image adjustments are incorrectly set</li> </ul>
<p>The cooling fan becomes noisy.</p>	<ul style="list-style-type: none"> <li>• When temperature inside the projector increases, the cooling fan runs faster.</li> </ul>
<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"> <li>• The lamp indicator is illuminating in red. Replace the lamp.</li> </ul>
<p>The image sometimes flickers.</p>	<ul style="list-style-type: none"> <li>• Cables incorrectly connected to the projector or the connected equipment works improperly.</li> <li>• Select “Vertical stripes or flickering image appear” in the “Help” menu and make the necessary adjustments.</li> <li>• If this happens frequently, replace the lamp.</li> </ul>
<p>The lamp needs a lot of time to turn on.</p>	<ul style="list-style-type: none"> <li>• The lamp will eventually need to be changed. While the remaining lamp life draws to a close, replace the lamp.</li> </ul>

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## Important Information

With proper care, Sound Video Systems' 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"> <li>• System power cord is not plugged into the wall outlet.</li> <li>• Power to the external connected devices is off.</li> <li>• The selected input mode is wrong.</li> <li>• Cables may have come loose.</li> <li>• External output has not been set on the laptop computer.</li> </ul>
Sound is heard but no picture appears or picture is dark.	<ul style="list-style-type: none"> <li>• Cables may have come loose.</li> <li>• "Bright" is set to the minimum position.</li> <li>• 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.</li> </ul>
Color is faded or poor.	<ul style="list-style-type: none"> <li>• Image adjustments are incorrectly set on the projector.</li> <li>• Make adjustments of "Color" and "Tint" in "Picture Mode" (Video Input only)</li> <li>• Video Input system is incorrectly set on the projector.</li> </ul>
Picture is blurred; noise appears.	<ul style="list-style-type: none"> <li>• Adjust the focus</li> <li>• The projection distance exceeds the focus range. (Computer Input Only)</li> <li>• Perform "Fine Sync" Adjustments (Phase Adjustments)</li> <li>• Noise may appear depending on the computer.</li> </ul>
Picture appears but no sound is heard.	<ul style="list-style-type: none"> <li>• Cables are incorrectly connected</li> <li>• Volume is set to minimum.</li> <li>• The amplifier is not turned on.</li> </ul>

### Using the Computer:

1. Power up the projector as described in the above procedure.
2. Turn on the Computer by pressing the Power Button.

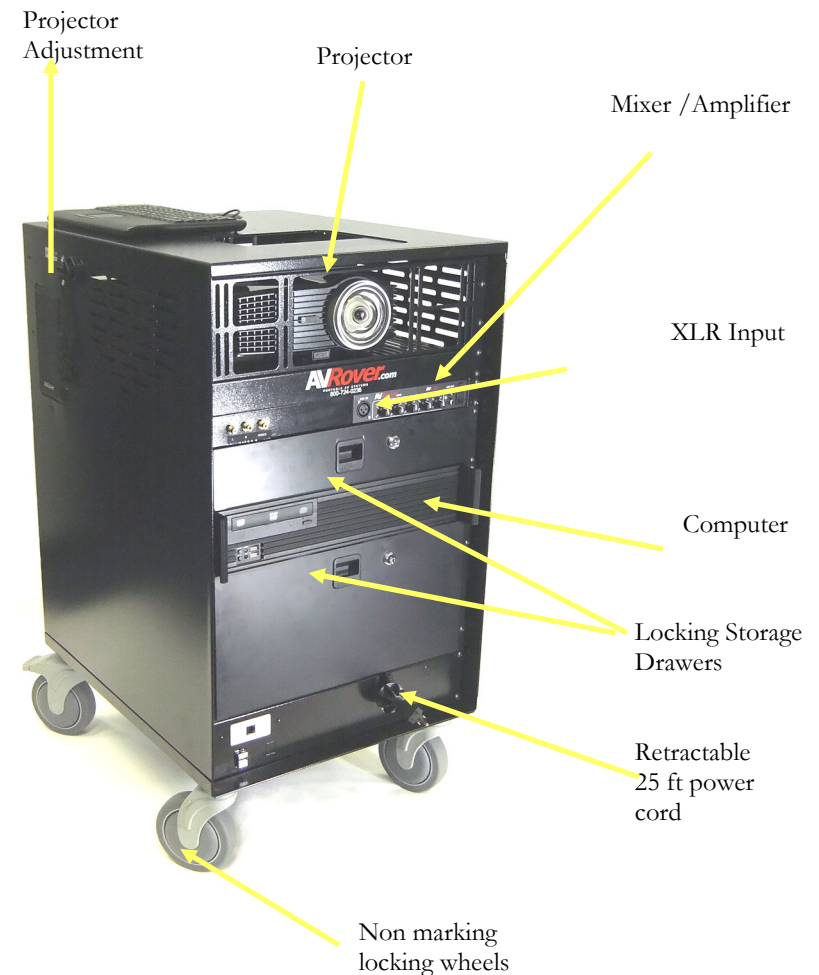
### Turning off the System

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.

- 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](http://www.avrover.com),  
or call 800-724-0236

## Components of the 3D Rover



## Getting Started

Sound Video System's 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

The Sound Video System comes equipped with the cables needed to use a laptop. Connect the VGA cable to the 15 pin monitor jack on your laptop and the audio cable to the headphones jack.



## Using a Laptop Computer

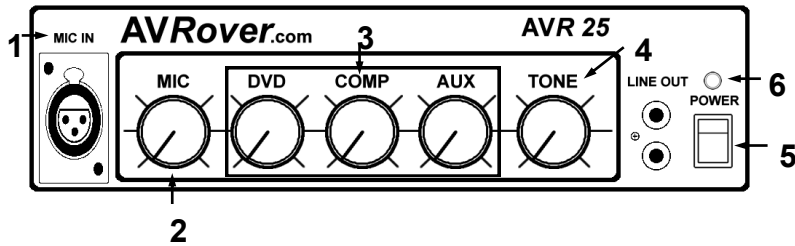
1. Connect the pull out VGA and audio cable and connect to the computer and power the projector and the PC as described above.
2. If the computer's image is not already displaying on the projector, press the "Video Input or Source" button. The projector should now display the image of the connected computer.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

## Using the Components

The Sound Video System 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.



### Microphone

Connect the microphone to the input shown.

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 AVRover into your existing sound system.

## Powering up the Sound Video System

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.

## 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 keystone. 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.

- 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.

## Projector & Combo Installation Instructions

### Projector Removal

- Remove projector mount by removing the projector face panel and the projector mount assembly with the security bit provided. Note the adjustment cord configuration and undo from the cleat end. This will allow the mount assembly to be removed. It may be necessary to disconnect the microphone cable from the amplifier to completely remove the shelf.
- The projector is attached to the projector mount with machine screws that can be removed with an Phillips head screwdriver. Note the position of the spacers before removing the projector from the mount. Service can now be performed on the projector.

### Projector Installation

- Use T-27 bit (located in accessory package) to remove 8 security screws that secure back door. Gently remove door from unit (approximately 4 to 5 inches) and disconnect speaker wires from speaker located on rear door.
- Feed rope into unit and clear from eyebolt on projection shelf. Leave rope tied to D-ring.
- Use T-20 to remove security plate and projector mount.
- Set projector upside down with lens facing out and away from you.

- Align lens in middle of mounting plate, or as close as possible.
- Align mounting holes on bottom of projector with slots on mounting plate.
- If projector does not lay flat on mounting plate, use spacers to help level projector.
- Install projector mount assembly and security plate onto rack rails.
- Laying system on its back side may facilitate mounting the shelf. Loop rope through eye bolt, back through D-ring, and then out through console and feed into cleat. Tie knot and make sure that projector has full range of motion (up and down).

Attach yellow video cable (that is provided) to projector. Plug power cord from projector and combo to power strip. Connect VGA cable to projector. Slide cable jacket (provided) over the VGA cable and the laptop audio cable. Make sure all cords and cables are reconnected before you put power to unit.

If you have any questions or concerns please call Sound Video Systems of WNY, LLC at (800) 724-0236. Thank you for your business and enjoy your AV Rover!

## Additional 3DAVRover Options

SVS-CM2Max	Interactive Whiteboard System Option with Freeclass and Wizteach Software
SVS-CM2MaxST	Short Throw Interactive Whiteboard System Option with Freeclass and Wizteach Software
SVS-CM2MaxOS	Optional Hand Held Stylus for Onfinity CM2Max
SVS-ROVERPAD	Interactive Slate/Tablet
SVS-Lock	Wall Lock Bracket and AVRover Attachment Plates
SVS-DCS	Document Camera Shelf for Additional Work Surface
SVS-PDC	Protective Dust Cover (SVS200 or 3DAVRover)
SVS-3500	Projector Upgrade to 3500 lumens (Short Throw)