

Unitarian Universalist Church of Huntsville
2222 Governors Drive, Huntsville, AL 35801

Audio-Visual Equipment Handbook

September 11, 2003 Edition

Unitarian Universalist Church of Huntsville
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by the Technology Committee, Travis Hardin and Louise Bennett, chairs

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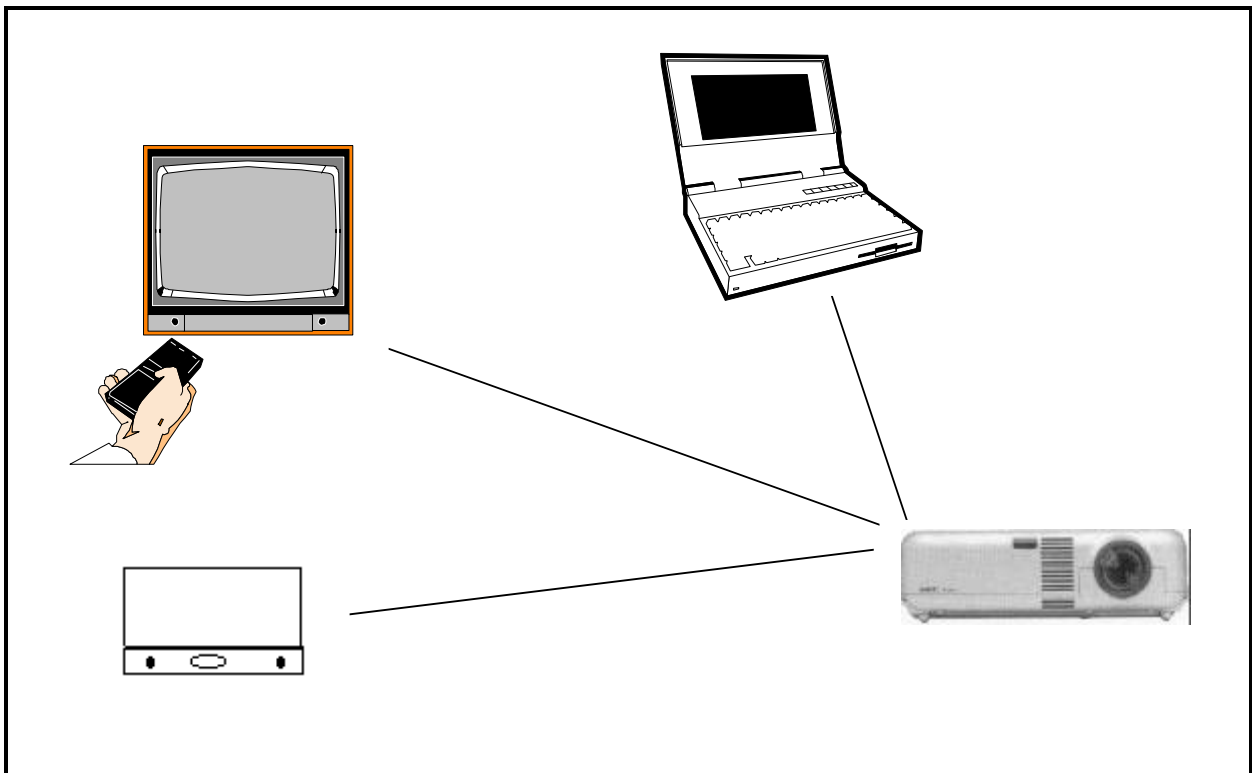
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System in Brief

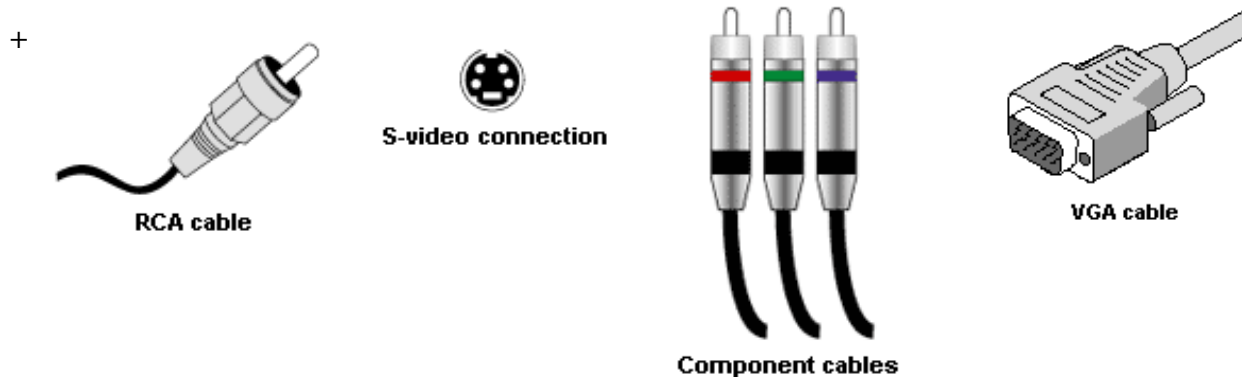
The projector is electrically like a television monitor or computer monitor: It is only a video display. External devices are needed to play tapes, play digital video disks, and receive cable or off-the-air television. The LCD projector is most famously used to display the screen of an external computer – laptop or desktop.

Other sources you can display: Live video camera, camcorders, high-definition TV, European and worldwide video formats, photo CDs (partial list).

For adequate sound, plug the projector into an external stereo or mono amplifier. Inside, it has only a small mono speaker.



Deciphering Cables and Connections



RCA, or composite, cables. These are the most common cables, used to hook up your standard VCR and stereo equipment. The entire video signal is transmitted by one cable. This is the lowest quality cable for a video source, but it is also the most common. Most new televisions, all video camcorders, all VCRs, and all videodisc players will have RCA jacks for these cables.

SVHS, S-video, or Y/C, cables. This cable can be found on most high-end televisions, all videodisc players, camcorders, digital cable and satellite set top boxes, and SVHS VCRs. S-video cables differ from composite cables in that they split video signal into two different components: luminance and chrominance. The S-video cable will offer marked improvement over a composite cable.

Component cables. Component cables look just like composite cables. Component cables split the signal in three. This connection gives a superior image over composite or S-video connections. The signal itself is referred to as either Y,Cr,Cb, or Y,Pb,Pr. Most high-end DVD players and HDTV tuners will have component connections.

Portable projectors and component cables. Portable projectors usually have very little space for connections. Due to the space restriction, many have the 15-pin VGA connection double as the component connection as well. The projector is designed to detect the type of signal it receives and process it accordingly.

Types of Inputs Accepted

The NEC VT-660 has these video inputs: Composite, S-video, and VGA that doubles as Component with an adaptor. Analog HDTV in several formats up to 1080i is accepted. It will not accept digitized video.

On-Line Resources

Instruction Manuals On-line

JVC VCR model HR-S2901U instruction manual on line:

<http://books.jvcservice.com/booklist.asp?Model=HR-S2901U>

NEC Projector model VT-660 instruction manual on line:

http://www.necvisualsystems.com/applicationFiles/productDetails/appl_productDetail.cfm?Product_id=342

Samsung DVD P731M information on line:

http://www.samsungusa.com/cgi-bin/nabc/product/b2c_product_detail.jsp?prod_id=DVD-P731M%252fXAA

Projector Links On-Line

How to choose an LCD projector:

<http://www.unitedvisual.com/2tips/2tvp101.asp>

Comparison chart for LCD projectors in PDF format:

<http://www.unitedvisual.com/zips/lcdcomp.asp>

Reviews and Specifications:

https://www.projectorcentral.com/consultants_corner.cfm

FAQ's and information:

<http://www.projectorpeople.com/>

Display tutorial:

<http://www.projectorpeople.com/tutorials/display-def.asp>

PROJECTOR USER CHECK LIST

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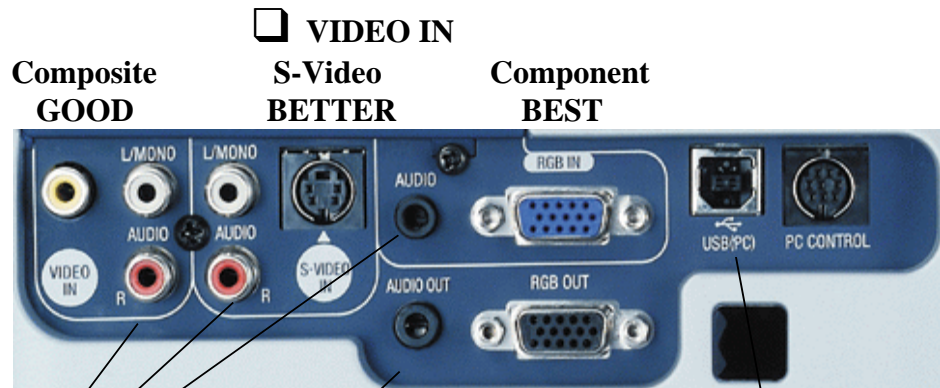
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1. After unlocking A/V storage cart, inventory equipment. Use the last page of this form.

2. With power off, move equipment to viewing location before connecting equipment.

Take cables and remote controls. See sign out sheet.

3. Connect Projector:



Audio In Audio Out AC Power Computer's USB


Turn on Rocker switch. Power indicator becomes solid orange. If not, see TROUBLESHOOTING (p. E32-33).

NOW CONNECT SOURCE

4. If connecting JVC Super-VHS VCR:

If no picture, make sure proper source is selected at projector. Re-check all cabling and power.

- Video out: S-Video preferred
- Audio out: Stereo preferred
- (RF Channel 3 output is not used unless display on a TV is desired)
- Plug in. "Aut" will appear in VCR window. Turn on front power switch. A channel number will show in VCR window.
- On remote control* press TV/VCR so that "VCR" illuminates in the VCR window. There will now be a blue screen when projector is turned on.
- Insert a tape and play. Use the remote control if desired.

<p>5. If connecting Samsung P731M <u>DVD</u>:</p> <p>See instructions inside back cover for using the DVD player's flash memory reader to show photos.</p>	<p><input type="checkbox"/> Video out: S-Video preferred </p> <p><input type="checkbox"/> Audio out: Stereo preferred</p> <p><input type="checkbox"/> Plug in and turn on Power switch.</p> <p><input type="checkbox"/> Insert a digital video disk. The menu for that particular disk will appear on screen. Use the DVD remote control to select and play.</p> <p><input type="checkbox"/> <i>If no picture</i>, make sure proper source is selected at projector. Re-check all cabling and power. Make sure flash memory reader is not selected.</p>
<p>6. If connecting <u>computer</u>:</p> <p>The optional USB connection to the projector allows the projector's remote control to double as the computer mouse. You may need your Windows CD.</p>	<p><input type="checkbox"/> Connect <i>video and USB</i> to projector before turning on computer. Connect audio to computer's "Line Out." Alternately "Speaker Out."</p> <p><input type="checkbox"/> Turn on computer and the USB connection, if used, should be detected and drivers installed. If no video: Make sure proper source is selected at projector. Re-check all cabling and power. Cycle the Monitor/LCD function key on your laptop. If the screen goes blank while using computer, it may be your screen-saver or power management software. Press caps lock twice or remove screen-saver.</p>
<p>7. Initialize <u>projector</u>.</p> <p>To turn <u>off</u> the projector, press ON/STANDBY twice and wait 60 seconds for the fan to stop before unplugging it.</p> <p>If room is small or dark, you can increase lamp life 50% by selecting on MENU: SETUP / LAMP MODE / ECO</p>	<p><input type="checkbox"/> Remove lens cap.</p> <p><input type="checkbox"/> <u>Turn on projector</u> by pressing ON/STANDBY for at least 2 seconds. Power indicator will turn green. If not, see TROUBLESHOOTING (p. E32-33).</p> <p><input type="checkbox"/> Select source by pressing VIDEO, S-VIDEO or RGB. (If only one input has a signal, detection is automatic.)</p> <p><input type="checkbox"/> View image and adjust focus ring, zoom, and legs.</p>
<p>8. Projector <u>audio</u> volume</p>	<p><input type="checkbox"/> Turn local or remote speaker volume up or down with the left and right arrows on the projector's SELECT control.</p>

<p>9. External <u>sound amplifier</u>. Input to (1) Mic amplifier at front of church (mono using “Y” cable); (2) Stereo amp. at back of church; or (3) Amplified stereo computer speakers.</p>	<p><input type="checkbox"/> Turn on and adjust external sound amplifier.</p>
<p>Operate VCR, DVD, or self-supplied computer according to their instruction books. Each has a remote control.</p>	
<p>FINALE</p>	
<p>1. Turn off projector DO NOT UNPLUG until fan turns off (about 60 seconds). The expensive bulb must be cooled.</p>	<p><input type="checkbox"/> Press ON button twice. Wait until fan stops before unplugging. <input type="checkbox"/> Replace lens cap.</p>
<p>2. Disconnect all</p>	<p><input type="checkbox"/> Turn off and disconnect all cables.</p>
<p>3. Return equipment to A/V cart. Please also indicate name, date, and time on the office sign-out sheet. Thank you!</p>	<p><input type="checkbox"/> Check area for missed equipment <input type="checkbox"/> Inventory equipment. Use this form. Lock form in the A/V cart. <input type="checkbox"/> Put your name, date, and time on inventory sheet. <input type="checkbox"/> Lock A/V equipment box with the inventory sheet inside.</p>
<p>OTHER OPTIONS</p>	
<p>For TV reception Use the tuner in the VCR and connect a cable or antenna . Select either “Cable” or “TV”</p>	<p><input type="checkbox"/> Use TV/VCR switch on remote to illuminate “VCR” in the VCR window. <input type="checkbox"/> Use MENU on remote to select TUNER SET/BAND; choose either “Cable” or “TV.” <input type="checkbox"/> Use MENU on remote to scan receivable TV channels or key in channel number (2 digits).</p>
<p>Live camera, camcorder, or other video</p>	<p><input type="checkbox"/> Connect audio and video directly to the projector; alternately to the front inputs of the VCR and select channel 00. (VCR takes 3 sec.)</p>

