

SWITCHER / SCALER

Cat. No. SS0AV-091



PK-A3162-10-A0-5A AR3156

SAVE THESE INSTRUCTIONS

⚠ WARNING: TO AVOID FIRE, SHOCK OR DEATH, DISCONNECT POWER BEFORE SERVICING PRODUCT!

In order to ensure the reliable performance of the Switcher/Scaler, and the safety of the user, please observe the following matters during installation, use, and maintenance:

- If you are unsure about any part of these instructions, consult an electrician.
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- Improper use can lead to damage or deterioration to the product.
- Do not use this product in the following locations:
 - areas with excessive dust, soot, corrosive gas, or combustible gas;
 - areas with temperatures higher than product rating;
 - areas with condensation, exposure to wind and/or rain;
 - areas that are susceptible to vibrations or impact.
- For proper operation and cooling, make sure all vented areas of the equipment are free of debris and excessive dust.
- To reduce potential interference, choose shielded cables as the high frequency signal input or output cable.
- To reduce risk of electric shock and damage to equipment, wiring should only be done with all external power off.
- To avoid electric shocks, grounding wires and the earth must be linked together. Before the connection of input or output terminal, make sure this product is correctly grounded.
- When installation is complete, cover the terminals before equipment is powered on to reduce risk of electric shock.
- To avoid risk of shock or damage to equipment, do not touch terminals when power is on.
- When cleaning or servicing unit, make sure power is turned completely off.
- All cables or interconnects to other units/modules should be connected when the power is off.
- Please be sure to fully read the manual prior to any assembly, installation, or operation of the equipment.

⚠ SAFETY INSTRUCTIONS

⚠ This product may cause radio interference with other electronics. Proper shielding may be required to reduce interference.

⚡ Risk of electric shock. Disconnect power before servicing.

CE This product was found to be in compliance with the council EMC directive 2004/108/EC and the council LVD directive 2006/95/EC.



This product has found to be in compliance with SGS international regulations and standards.



This product passed the ISO9001 international quality certification (certification body: TUV Rheinland, Germany).



WARNING: To avoid risk of electrical shock, do not open the cover when in use. Contact a qualified service personnel for all servicing.

NOTICE

- This manual is designed for user instruction, not as a repair or service manual. For a full version of the manual, go to www.Leviton.com.

USER'S MANUAL

ENGLISH

PRODUCT OVERVIEW

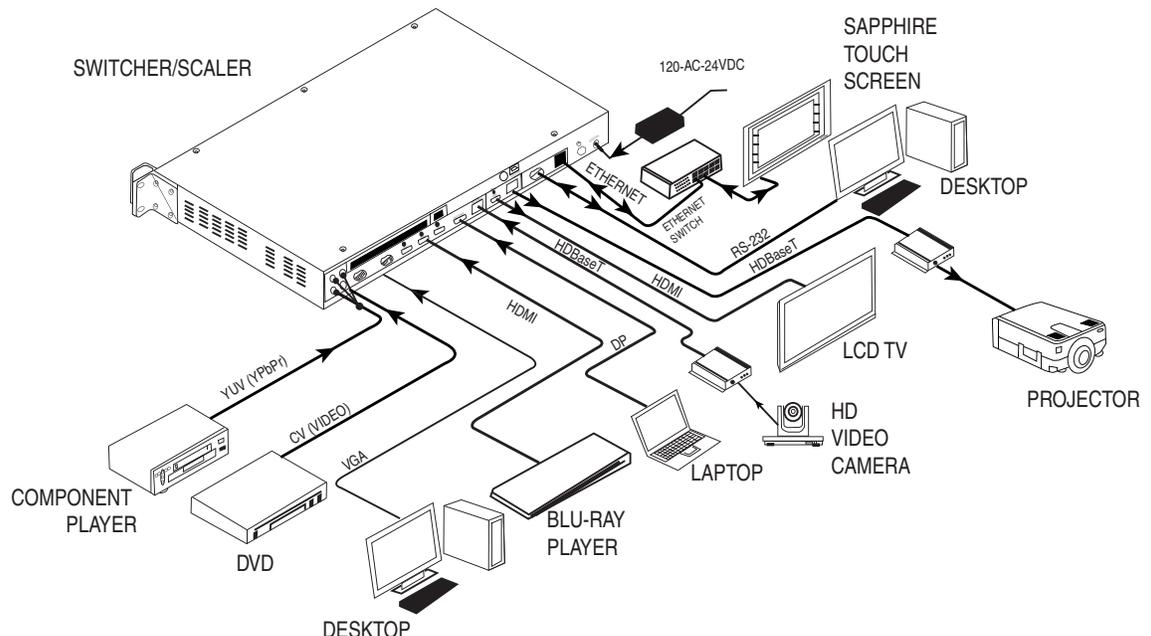
Leviton's Scaler / Switcher can be used stand-alone, or, integrated with the Sapphire touch-screen as a system controller. In stand-alone mode, it's source selection is from the front panel controls. When used with Sapphire, control is between the Sapphire and Scaler / Switcher over a TCP/IP Ethernet network as shown in the diagram.

Leviton's SS0AV Scaler / Switcher is designed to switch different types of signal inputs to HDMI and HDBaseT output. It has 9 input video signal sources:

- CVBS, (Y, Pb/Cb, Pr/Cr), VGA, HDMI and HDBaseT signals convert/switch to unified HDMI/HDBaseT signal output; all input signals can fold lines to a user-defined output resolution.

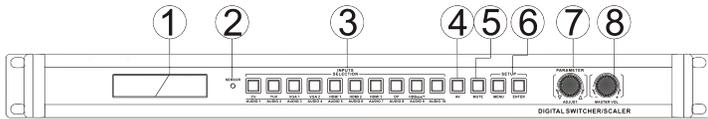
SS0AV also supports 9 unbalanced analog stereo audio inputs, by switching to the audio amplifier output. HDMI input and output can support audio signal synthesis or separation. SS0AV is ideal for multimedia conference rooms, educational classrooms, command and control centers and other applications.

One of the primary target applications is classrooms where the output is connected to the projector and in-room audio system, and inputs are from Blu-ray players, computers, student provided equipment, and other. Control of both lighting and a/v systems would be through the Sapphire touch-screen controller.



FEATURES

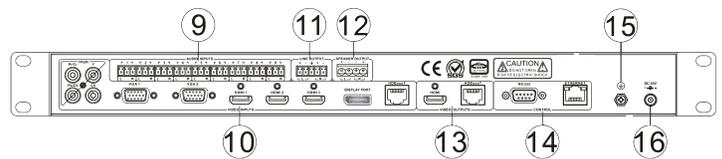
FRONT VIEW



- 1. LCD Display**
Displays the current status of output screen and operating information.
- 2. SENSOR**
Infrared sensor for dedicated remote control.
- 3. INPUTS SELECTION**
For selection of the input source type (Audio 1 - Audio 10).
- 4. AUDIO-VIDEO**
To select video or audio sources from the INPUTS SELECTION, you must first select audio or video by pressing the AV button.
- 5. MUTE**
When MUTE button is lit, silent mode is on; when MUTE button light is off, normal mode is on.
- 6. SETUP**
MENU: push to enter the LCD menu and select the desired function.
ENTER: OK button to set the MENU function.
- 7. PARAMETER**
Coordinated with MENU settings, to assist with menu selection.
- 8. MASTER VOL**
This knob is used to adjust the analog output volume (each step is 0.5dB).

* **NOTICE:** The IP Address must be set from a PC through the RS-232 control port, or through a PC via Ethernet connecting to port 6666 using a terminal program. The default IP address is 192.168.1.190. Visit www.leviton.com and reference the online Owner's Manual for detailed instructions.

REAR VIEW



- 9. AUDIO INPUTS**
9 x 3-pin Phoenix Connector unbalanced audio inputs.
- 10. VIDEO INPUTS**
1 x CVBS, 1 x component video YPbPr, 2 x VGA, 3 x HDMI, 1 x DisplayPort, 1 x HDBaseT input.
Note: DisplayPort audio interface input signal cannot be output from the amplifier balanced audio interface.
- 11. LINE OUTPUT**
1 x unbalanced audio output.
- 12. SPEAKER OUTPUT**
1 x balanced audio output.
- 13. VIDEO OUTPUT**
1 x HDMI and 1 x HDBaseT output.
- 14. CONTROL**
RS-232*: control port, with the baud rate of 115200, connects to a computer or other equipment with RS-232 interface to control the device.
Ethernet: Ethernet connection to internet or intranet to control the device.
- 15. GROUND COLUMN**
- 16. POWER INPUT**
+24Vdc input power, external power source required and included.

FOR CANADA ONLY:

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320**.

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option. **For details visit www.leviton.com or call 1-800-824-3005.** This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. **There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose,** but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. **Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.** The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.