

# **AVS771**

## **AUDIO VIDEO SWITCH**

**INSTALLATION MANUAL**

**IB 628202**

**AVS771  
AUDIO VIDEO SWITCH**

**DESCRIPTION**

The **AVS771 AUDIO VIDEO SWITCH** is a 2X1 Stereo audio follow video switch that is controlled by an external 24 VDC supply. This device switches both video and Left and Right Stereo balanced audio sources to the secondary when the power is removed from the unit. The unit switches back to the primary channel when the power returns. If a power failure occurs the unit will automatically switch to the Primary video and audio.

The unit can be used to engage a hot standby source or to put up a test pattern when the main power fails or can be switched by any other equipment that can switch a 24 VDC control voltage. This system will maintain your video and stereo audio integrity and reduce trouble calls. It can also be used where unattended video switching must occur.

**FEATURES**

Included is a front panel LED which indicates the status of the video on the secondary channel. A Red LED indicates (B channel on).

Standard BNC connectors are used for the video inputs and output, and a plug-in style removable screw terminal connector is used for the balanced stereo audio inputs and outputs. This audio plug can be pre-wired to reduce your installation time.

This switcher is housed in a sturdy aluminum die cast box which is completely RF shielded. The box can be mounted in the front or rear of your rack with the standard mounting bracket. An optional 19" mounting bracket is available. The ordering part number is PMS700-5A. It holds 5 units and has a common wall mount power supply to power all 5 units.

**SET-UP AND INSTALLATION**

Remove the equipment from the packing materials. The following materials should be supplied with each order.

QTY 1 AVS771 (Blue Box).  
QTY 1 Power Cube +24 VDC.  
QTY 1 12 Position Plug Audio Connector (may be attached).  
QTY 1 Rack Mount Angle Bracket (may be attached) or PMS7005A.

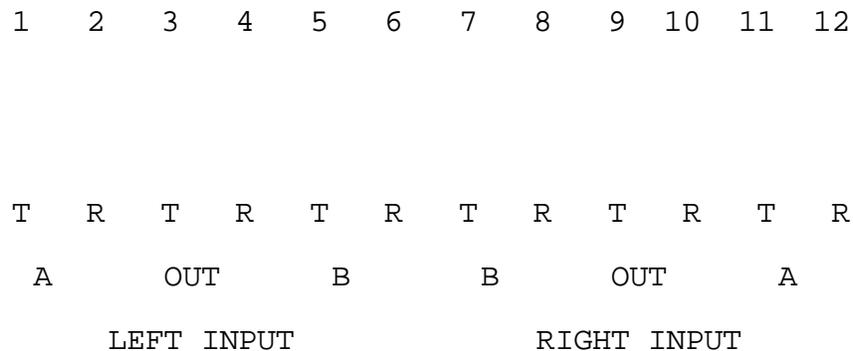
## SET-UP AND INSTALLATION (continued)

Locate a convenient place in your rack and mount the unit using the handy Rack Mount Angle Bracket. Next attach the Primary video signal to the input BNC connector labeled (A INPUT). Then attach the Secondary video signal to the BNC connector labeled (B INPUT). The BNC connector labeled (COM OUTPUT) is the output of the video switch. The video that is selected will appear at this connector.

The 12 position snap in audio connector is numbered from left to right, 1 to 12. The following is a table of the connections used to switch Balanced audio from Primary to Secondary input. This audio switch is accomplished by internal relay switching. In the event of power loss the audio is switched to the Primary audio.

1. A input Left Tip or +
2. A input Left Ring or -
3. COMM output Left Tip or +
4. COMM output Left Ring or -
5. B input Left Tip or +
6. B input Left Ring or -
7. B input Right Tip or +
8. B input Right Ring or -
9. COMM output Right Tip or +
10. COMM output Right Ring or -
11. A input Right Tip or +
12. A input Right Ring or -

### CONNECTOR BLOCK DIAGRAM



When audio wiring is complete Plug in the power cube and attach the +24 VDC connector into the AVS771.

## OPERATION

The AVS771 is a 2X1 video and stereo audio relay switch system. It is powered by a 24VDC wall mount power supply (included). When the power is ON the unit is switched into the (B) alternate audio/video channel. If the power is removed the unit will be switched to the (A) primary audio/video channel. For power fail applications simply power up the unit and connect the video and audio. When the power fails and audio and video will automatically switch. For use with external command and control systems simply connect the power supply through the external control equipment and to the AVS771. In all modes of operation the audio switches with the video. If mono is to be switched the extra unused contacts of the AVS771 can be used to activate external alarms.

## MAINTENANCE

There are no adjustments or calibration required with the AVS771.

## SPECIFICATIONS

### **VIDEO**

### **SPECIFICATION**

Standard	NTSC or PAL (Auto-Select)
Level (Composite Video)	0.7 to 2 Vp-p (1.0 Vp-p STD.)
Frequency Response	$\geq$ 0.2 dB from DC to 40MHz
Cross-Talk (Pri/Sec input)	$\leq$ 75 dB
Signal to Noise Ratio	$\leq$ 90 dB
Frequency Response	Flat from Dc to 50KHz
Cross-Talk (Pri/Sec)	$\leq$ 80 dB
Cross-Talk (Left/Right)	$\leq$ 80 dB
Signal to noise ratio	$\leq$ 90 dB
Power requirement	24 VDC Power Cube (included)
Enclosure	3.5 x 4.5 x 1.5 Die Cast Alm.