

Overview

The Solecis AVS-SL-0401-838 (FG1330-1600-04) is a wideband high resolution 4x1 HD-15 and Audio switcher for all computer presentation applications up to UXGA. The AVS-SL-0401-838 incorporates a driven output for connection to long cable runs. Control of the AVS-SL-0401-838 is from the front panel or via RS232. The audio switcher follows the selected video input, and is stereo balanced or unbalanced. The AVS-SL-0401-838 is powered by an external power supply (supplied) and is housed in a metal enclosure.

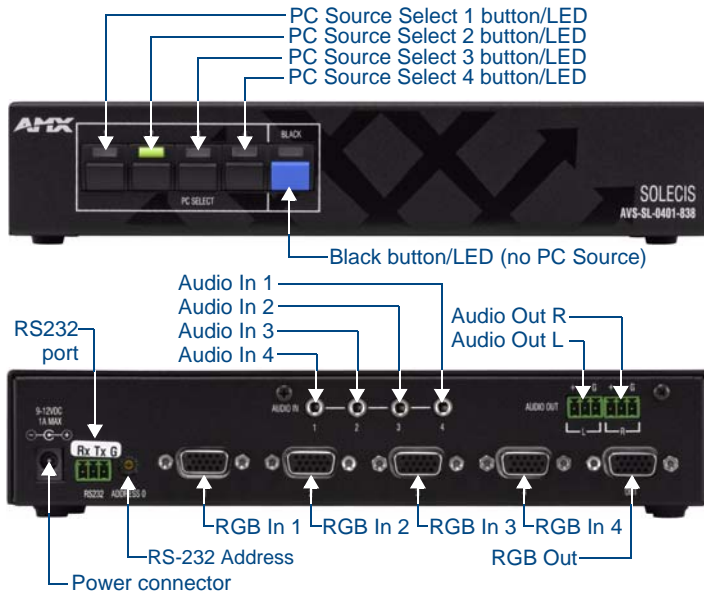


FIG. 1 Solecis AVS-SL-0401-838

Product Specifications

| Solecis AVS-SL-0401-838 Specifications | |
|--|---------------------------|
| RGB Input | |
| Number: | 4 |
| Connectors: | HD-15 |
| Level: | Analog |
| Max Level: | 1V p-p |
| Termination: | 75 ohm |
| RGB Video Bandwidth: | 350MHz -3dB |
| RGB Return Loss: | -45dB@10MHz, -32dB@100MHz |
| Sync Input | |
| Level: | Analog/TTL |
| Max Level: | 5V p-p |
| Impedance: | 470 ohm |
| Audio Input | |
| Number: | 4 |
| Connectors: | 3.5mm stereo |
| Type: | Unbalanced analog |
| RGB Output | |
| Number: | 1 |
| Connector: | HD-15 |
| Level: | Analog |
| Gain: | Unity |
| Sync Output | |
| Level: | TTL |
| Impedance: | 75 ohm |

| Solecis AVS-SL-0401-838 Specifications (Cont.) | |
|--|--|
| Audio Output | |
| Number: | 1 |
| Connector: | captive-wire |
| Type: | balanced/unbalanced |
| Control | |
| Front Panel: | 4 Source selection pushbuttons - see <i>Operation (Front Panel)</i> . |
| RS232: | May be controlled using AMX or any other RS232 outputting system - see <i>RS232 Control</i> . |
| Power | |
| Input Voltage: | 9-12VDC |
| Power Consumption: | 5W |
| Dimensions (HWD): | 1.86" x 9.10" x 4.35" (47.2 mm x 231.1 mm x 110.6 mm) • Height includes feet • Depth includes connectors |
| Weight: | 3.30 lbs (1.5kg) |
| Included Accessories: | • PS2.8 power supply (MA423-11) • Three 3-pin phoenix connectors (41-0159) |
| Certifications: | • CE • FCC class B, part 15 • RoHS/WEEE compliant |

Safety Instructions

Please read these instructions before using your AMX Solecis device. Failure to comply with these instructions could result in fire, electrical shock, personal injury, death, or damage to the equipment.

Liquid Spills

Do not set drinks on top of the unit or immerse the unit in liquid.

Do Not Disassemble

This device contains no user serviceable parts. All servicing must be performed by a qualified service technician.

For Safety Reasons

- Do not place the unit on an unstable surface.
 - Do not use near water or sources of heat.
 - Use only recommended attachments.
 - Use the type of power supply as specified.
- Unplug the power to the unit and refer servicing to qualified personnel under the following conditions:
- If liquid has been spilled or the unit has been exposed to rain or water.
 - If it does not operate normally when the operating instructions are followed or if it exhibits a distinct change in performance indicating a need for service.
 - If the unit has been dropped or the cabinet damaged.

Connections

1. Connect the PC sources to the Input sockets on the rear panel of the unit.
 - The RGB inputs are 75 ohm terminated while the Syncs are high impedance.
 - The RGBHV output is fully 75 ohm driven for connection to long cable runs.

Note: It is imperative that the input sources are fully compatible with the display device.
2. The unit may now be powered.

Power Up

1. Connect the supplied power supply to the Power Socket on the rear of the unit.
2. Connect the power supply to the Mains supply.

Operation (Front Panel)

Source Selection

1. To select a Source, press the Button corresponding to the numbered Input.
2. The button will illuminate and the selected PC source will be routed to the output socket.

RS232 Control

The unit may be controlled using AMX or any other RS232 outputting system as follows:

1. Connect the Tx output of the control system to the RS232 RX input on the rear of the unit being careful to connect the signal and ground correctly.
2. Set the Protocol as follows:
Baud Rate- 9600, Data Bits- 8, No Parity, Stop Bit- 1.

The units can be linked together and individually addressed.

To link units together simply connect the all the RS232 sockets on the units in parallel with one another.

The address of each unit is set by the HEX switch on the rear of the unit.

Input Switching

The following command switches input sources.

| Byte 1 (Header) | Byte 2 (Address) | Byte 3 (Input) |
|-----------------|---------------------------------------|--|
| E8 | 00 to 0F | 00 to 04 |
| | Set to HEX switch On rear of unit. | 00 = Blank 01= Input 1 to 04= Input 4 |

Each time the unit switches to a new input the following return code is transmitted from the TX Port.

| Byte 1 | Byte 2 | Byte 3 |
|--------|-------------|-------------------|
| C8 | Address No. | Current Input No. |

Full Interrogate

This command is an input query, and it returns the current input:

Sending this command:

| Byte 1 (Header) | Byte 2 (Address) | Byte 3 (Input) |
|-----------------|------------------|----------------|
| E8 | 00 to 0F | 80 |

The unit will return the following information:

| Byte 1 | Byte 2 | Byte 3 | Byte 4 (null) | Byte 5 (null) |
|--------|----------|--------|---------------|---------------|
| C8 | 00 to 0F | 0 - 06 | FF | FF |

Identity Command

This command is a model query, and it returns the model number.

Sending this command:

| Byte 1 | Byte 2 | Byte 3 | Byte 4 |
|--------|--------|--------|--------|
| F2 | 09 | EA | 80 |

The unit will return the following information:

| Byte 1 | Byte 2 |
|--------|-----------|
| 6E | 01 = 1600 |

For example, if Byte 2 of the response is **0x01**, then the unit is a 1600 model.

Video Pin Connections

FIG. 2 provides the pin layout for the HD-15 connectors:

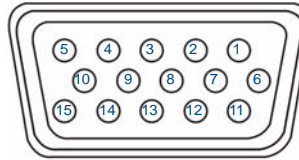


FIG. 2 RGBHV HD-15 connector

The pin configuration for the HD-15 (video) connector are as follows:

| | |
|------------------|------------------|
| 1 - RED | 9 - n/c |
| 2 - GREEN | 10 - SYNC GROUND |
| 3 - BLUE | 11 - n/c |
| 4 - n/c | 12 - n/c |
| 5 - n/c | 13 - H SYNC |
| 6 - RED GROUND | 14 - V SYNC |
| 7 - GREEN GROUND | 15 - n/c |
| 8 - BLUE GROUND | |

