

### Overview

The Solecis AVB-DA-RGBHV-0104 1x4 RGBHV HD-15 Distribution Amplifier (**FG1340-3404-01**) is a high quality, wide-bandwidth distribution amplifier. With video bandwidth exceeding 350MHz (-3dB) the AVB-DARGBHV-0104 is perfect for all RGBHV, RGBS, RGsB and YUV type signals. The terminated inputs and 75 ohm driven outputs make the AVB-DA-RGBHV-0104 an ideal solution for connection to long cable runs. The AVB-DA-RGBHV-0104 is housed in a metal enclosure and is powered by the supplied external power adaptor.



FIG. 1 Solecis AVB-DA-RGBHV-0104

### Common Application

Great for delivering up to four outputs over long cable runs.

### Product Specifications

AVB-DA-RGBHV-0104 Specifications	
<b>RGB Input (HD-15)</b>	
Number:	1
Level:	Analog
Max Level:	1V p-p
Impedance:	75 ohm
<b>Sync Input</b>	
Type:	Analog or TTL
Impedance:	75 ohm
RGB Video Bandwidth:	350MHz -3dB
RGB Return Loss:	-45dB@10MHz, -27dB@100MHz
<b>RGB Outputs (HD-15)</b>	
Number:	4
Level:	Analog
Gain:	Unity
Impedance:	75 ohm
<b>Sync Output</b>	
Level:	TTL
Gain:	TTL restore
Impedance:	75 ohm
<b>Power</b>	
Input Voltage:	9-12VDC
Power Consumption:	8W
Heat Dissipation:	27.3 BTU/hr
Dimensions (HWD):	<ul style="list-style-type: none"> <li>1.86" x 9.10" x 4.25"</li> <li>47.2mm x 231.1mm x 107.9mm</li> </ul>
Weight:	3.30 lbs. (1.5kg)

AVB-DA-RGBHV-0104 Specifications (Cont.)	
Included Accessories:	PS2.8 power supply ( <b>MA423-11</b> )
Certifications:	<ul style="list-style-type: none"> <li>CE</li> <li>FCC class B, part 15</li> <li>RoHS/WEEE compliant</li> </ul>

### 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

#### PC Source

Connect the PC source to the Input socket on the rear panel of the unit and connect monitors, projectors etc to the Output sockets.

- The PC video input is 75 ohm terminated.
- The PC video outputs are fully 75 ohm driven for connection to long cable runs.

**Note:** It is imperative that the input source is fully compatible with the display device.

#### Power

- Connect the supplied power pack to the power socket on the unit.
- Connect the power supply to a MAINS source. The power LED on the front of the unit will light and the input signal will be present on all 4 outputs.

#### Video Pin Connections

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

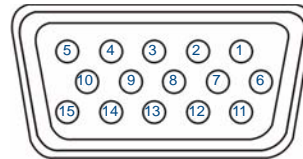


FIG. 2 RGBHV HD-15 connector

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  |                  |

**NOTE:** Extended Display Identification Data (EDID) is passed via the RGB Input.

