

### Overview

The Solecis AVB-DA-RGBHV-0103 1x3 RGBHV BNC Distribution Amplifier (FG1340-3403-01) is a high quality wide bandwidth distribution amplifier. With a video bandwidth in excess of 350MHz (-3dB) the AVB-DA-RGBHV-0103 is suitable for all RGBHV, RGBS, RGsB and YUV type signals and can be used as a composite video distribution amplifier.

The terminated inputs and 75 ohm driven outputs make the AVB-DA-RGBHV-0103 ideal for connection to long cable runs.

The AVB-DA-RGBHV-0103 is housed in a metal enclosure and is powered by the supplied external 9VDC power adaptor.



FIG. 1 Solecis AVB-DA-RGBHV-0103

### Product Specifications

AVB-DA-RGBHV-0103 Specifications	
<b>RGB Input</b>	
Number:	1
Connector:	BNC
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, -28dB@100MHz
Adjacent Channel X-talk:	-70db@10MHz, -50dB@100MHz
<b>RGB Output</b>	
Number:	3
Connectors:	BNC
Level:	Analog
Gain:	Unity
Impedance:	75 ohm
<b>Sync Output</b>	
Level:	TTL
Impedance:	75 ohm
<b>Power</b>	
Connector:	2.1mm DC power jack for use with included external power supply.
Input Voltage:	9VDC
Power Consumption:	TBD
Dimensions (HWD):	43mm x 224mm x 115mm
Weight:	1.5kg
Included Accessories:	9V Power supply

AVB-DA-RGBHV-0103 Specifications (Cont.)	
Certifications:	<ul style="list-style-type: none"> <li>• CE</li> <li>• UL</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 or alternatively use an unregulated 9VDC supply.
- Connect the 9V 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 3 outputs.

For full warranty information, refer to the AMX Instruction Manual(s) associated with your Product(s).

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