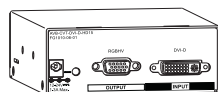


Overview

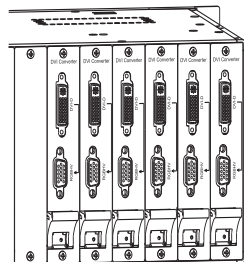
DVI-D to RGBHV converter boards are available as either standalone converter modules or as converter accessory boards for an AF-10 (FIG. 1). This guide contains complete information for the module and basic information for the accessory board. For directions on adding or replacing the accessory boards and for AF-10 general specifications, see the AF-10 Quick Start Guide. All quick start guides are on the AMX AutoPatch CD and at www.amx.com.



Front View



Rear View



DVI-D to RGBHV AF-10 board
FG1040-485

DVI-D to RGBHV Module FG1010-06-01

FIG. 1 DVI-D to RGBHV Converter Module and AF-10 Boards

Product Specifications

General	
Approvals	CE, UL, cUL
Power – Module* Consumption (max.) Connector	+12 VDC to +24 VDC @ 1.3 A 2.1 mm DC power jack
Power – AF-10	120 VAC to 240 VAC single phase, 50 to 60 Hz
Humidity	0 to 90% non-condensing
Operational Temperature	32° to 110° F (0° to 43° C)
Specification	DVI-D 1.0 (single link)
DDC/EDID Support	Provided by converter
HDCP Support	No
Dimensions – Module	5.15 in. (13.08 cm) depth 4.33 in. (11.00 cm) width 1.66 in. (4.22 cm) height
Weight – Module	Approximately 1.3 lbs (0.6 kg)
Connector	DVI-I (supports DVI-D signal) and HD-15

* DVI-D to RGBHV Converter Modules use power supplies that are provided with the unit.

Supported Resolutions

The video card in the system must be set to one of the resolutions and its corresponding refresh rate in the table below.

Supported Resolutions	
Resolution	Refresh Rate*
640x480	120 Hz max.
800x600	120 Hz max.
1024x768	120 Hz max.
1152x864	100 Hz max.
1280x768	85 Hz max.
1280x960	85 Hz max.
1280x1024	85 Hz max.
1600x1200	75 Hz max.**

* Some monitors may not accept the maximum refresh rate.

** This refresh rate exceeds DVI specifications.

To change the Source PC's video card resolution/refresh settings on Windows operating systems:

1. Minimize all applications on the Source PC.
2. Right click on the desktop.
3. Select Properties from the shortcut menu.
4. Select the Settings tab in the Display Properties dialog box.
5. Adjust the Screen area setting (resolution) to match one of the eight supported resolutions listed in the second table in the left column.
6. Click Advanced.
7. Select the Monitor tab.
8. Adjust the Refresh Frequency, which is expressed in Hertz (see second table in left column).
If the frequency setting is not located under the Monitor tab, try selecting other available tabs.
9. Click Apply, and then click OK on each dialog box to exit.
10. Power down the PC.
11. Install the converter (see "Attaching Cables" below).
12. Reapply power to the PC.

Installation

Module Mounting Options

Rack Trays & Mounting Brackets – contact your AMX representative for details.

Attaching Cables – Module

To attach cables to a module:

1. Insert the DVI-D and HD-15 cable connector plugs into the receptacles on the module (FIG. 2).

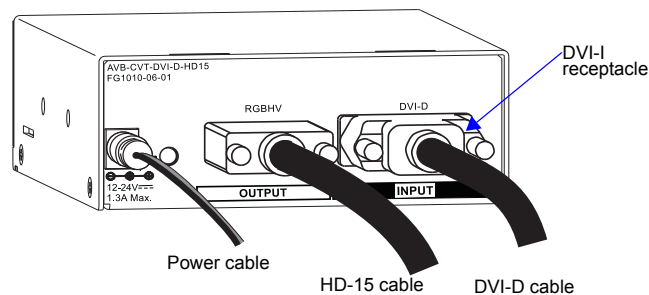


FIG. 2 Attach DVI-D, HD-15, & power cable connectors

2. Plug the desktop power supply into the power jack on the module and into an external AC power source.
If you are providing the power supply – Plug the cord from a UL (or equivalent) listed power supply into the power jack on the module (FIG. 2). The electrical ratings must meet those indicated in the specifications table.

Attaching Cables – AF-10

Note: The AF-10 supports up to six DVI-D to RGBHV converter boards.

To attach connectors to an AF-10 board:

1. Insert the DVI-D and HD-15 cable connectors into the receptacles on the AF-10 board (FIG. 3).

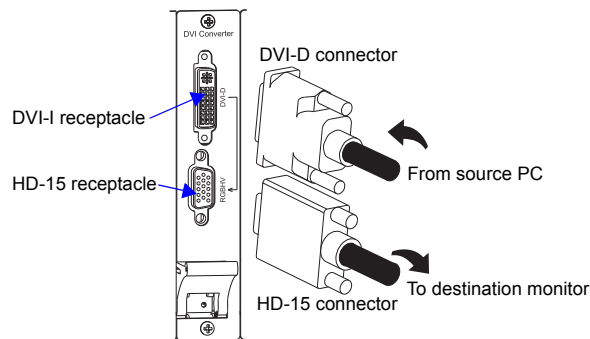


FIG. 3 Attach DVI-D & HD-15 cable connectors

2. Plug the power cord into the power receptacle on the rear of the AF-10 and into the power source.

DVI-I Connector Pinout (DVI-D Signal)

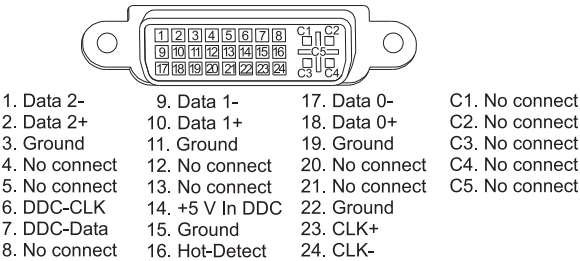


FIG. 4 DVI-I connector pinout for Converter module or AF-10 board

HD-15 Connector Pinout

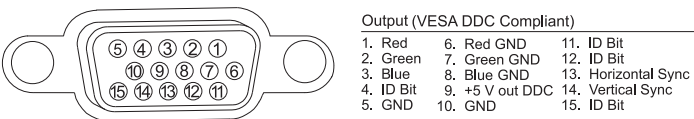


FIG. 5 HD-15 output connector pinout for Converter module or AF-10 board

Note: 55 mA supplied on output pin 9; power draw not to exceed 50 mA.

System Setup

The DVI-I connector on the converter routes a DVI-D signal and accepts cable with either DVI-D or DVI-I connector plugs. The module and the AF-10 board support the eight resolutions listed in the table on the first page.

Module System Setup

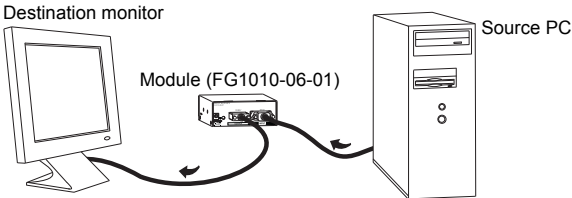


FIG. 6 System setup with converter module

AF-10 Board System Setup

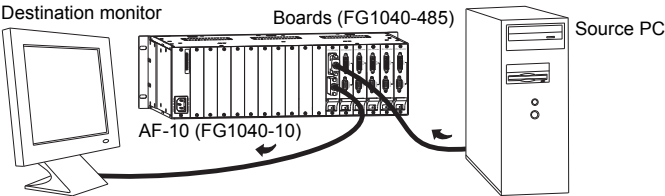


FIG. 7 System setup with AF-10 converter boards

