AMX Rapid Project Maker
Preparing for an RPM Project with the Enova DVX

This document provides some suggested details to consider before configuring a DVX unit (any model) using RPM software.

More support materials may be found on the AMX RPM Portal: www.amxrpm.com.

Hardware and Software Updates

The first step to take prior to installing and configuring a DVX system with RPM software is to make sure all hardware has the latest suggested firmware updates and that the RPM Loader software used is at the latest version. These can be found at the AMX Website: www.amx.com

- DVX Firmware
- AMX Touch Panel Firmware
- RPM Loader Software

It is also recommended to check the Manufacturers' websites for any devices that will be part of the DVX/RPM system for firmware and/or software updates.

System Devices

It is important to create a list of all devices that will be connected to/ and or controlled by the DVX unit, **including each device's manufacturer and model number**. These devices include the displays and projectors, any computer inputs, DVDs, Cable/Sat Rx units, Video Conference Systems, lighting, projector screens, motorized blinds, etc.

The information that needs to be obtained for each device prior to installation is listed below.

DVX Outputs

This includes Display Devices (LCD, Plasma, LED, Projectors, etc)

- Which Video and Audio inputs will be used on the display (video type, audio type, connections)?
- Which control port will be used on the display/projector (RS232, IP)?
- Which Output video and audio ports on the DVX will it be connected to?
- Which control port on the DVX will the display device be connected to?
- Will the system being using Line Level Audio output or use the built in AMP on the DVX to speakers?

The DVX multi-format outputs are either an HDMI connection (DVX-3150) or a DVI-I connection (DVX-2100). AMX does offer video convertor cables in various video types (VGA, Component, Composite). You can find these at www.amx.com

DVX Inputs

This includes the Audio and Video devices that will be switched through the DVX (Video Conference systems, DVDs, Cable RX, Laptops, Room PCs, etc)

- Which Video will be used on the VTC (video type, connections)?
- Which control port will be used on the VTC (RS232, IP)?
- Which input video and audio ports on the DVX will it be connected to?

The DVX multi-format inputs are either an HDMI connection (DVX-3150) or a DVI-I connection (DVX-2100 and DVX-3150). AMX does offer video convertor cables in various video types (VGA, Component, Composite) to work with the multi-format inputs (DVI-I). You can find these at www.amx.com

DVX Audio

The DVX supports Audio in from devices either through the HDMI connection (integrated) or on separate audio in connections (phoenix type or 1/8" mini for the DVI-I). AMX offers audio cables with phoenix type connections on one end and RCA type connections on the other.

***Please check the AMX Website for all cables available. Under each DVX model web page on the AMX Website there is a recommended accessories tab. There you will find the audio cables.

The DVX supports both Line Level Audio out as well as Amplified Stereo or Mono Audio out (direct to speakers). It is important to determine which type of Audio will be used in the installation prior to system setup.
More information can be found on the DVX product pages.
DVX-3150: http://www.amx.com/products/DVX-3150HD.asp
DVX-2100: http://www.amx.com/products/DVX-2100HD.asp

Control Information

Each device that will be controlled (input and output) should be checked against the control module database available on the AMX website. There you will find if there is a control module available and what format (IP, IR, RS232).

http://www.amx.com/Net/Inconcert/Devices/InConcertMainPage.aspx

You can search the control module database by Manufacturer, Model Number, Device type, etc.

In each "Control Method" type you can find the control cable pin-out for the specific device by clicking the control type link. There is also the AMX FG number if that control cable is offered by AMX.
Note: It is recommended that you use the AMX control cable that is listed on the control module page. Incorrect pin outs can cause communication issues resulting in long and difficult troubleshooting time.