Manufacturer:	Fusion Research	Widget:	Video
Model Number/s:	Premiere Movie Server	Aliases:	None
Driver Version:	v. 10 or higher	Driver Category:	Media Server
DC Version:	v 3.3 or higher	Connection Type:	Ethernet

I.Overview

As part of its Premier Partner Program, Vantage Equinox products support the Fusion Research Premiere Movie Server for control of your Home Theatre System. After setting up the Fusion in Design Center, the Equinox video widget user interface for control of the Fusion automatically appears on the EQ41 and EQ73 in-wall touch screens and on mobile devices installed with the Equinox App (available for iPhones, iPads, iPods, and Android products).

II.Features Supported / Not Supported

Feature	EQ40	EQ41, EQ73 & EQApp
Video Library EQ73, EQ41, & EQApp - Browse Library by Title, Genre, and Artists	❌	✅
Transport Commands Play, Pause, Stop, Skip Next/Previous (Stop not supported on EQ40)	✅	✅
Navigation Up, Down, Left, Right, Select, Back	📋	✅
Metadata Current Title, Artwork, and Play State	❌	✅

✅ Supported   📋 Task Only Support   ❌ Not Supported

III. Links

Acme Support: http://www.fusionrd.com/support.htm

Fusion Research Premiere Movie Server Installation Guide: http://www.fusionrd.com/Documents/Premiere_Manual_0413.pdf

IV. Installation Steps

Follow the steps provided in the instruction manual that is provided as a link above to properly install the Fusion Research device. Once you can view the device on a display/TV, use the remote to view the Main Menu. Navigate to the set up screen and from there navigate to the network screen. Click on Local Area Connection to view the IP address of the machine. This will be needed later for Design Center Setup. Go back to the setup screen and navigate to the license screen. Here you can find the Sw Serial Number. This will also be needed for Design Center Setup.

V. Design Center Setup

Follow these instructions to add the Fusion to your Design Center project and configure its settings appropriately:

1. **Project Settings** – Click on *Settings | Project Information| Owner* (tab). Fill out the *Equinox Mobile Passcode:* (alpha/numeric) and the *Equinox Admin PIN:* (numeric).
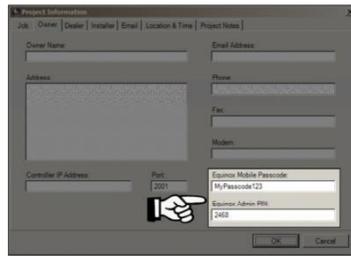
2. **Add the Fusion Research Premiere Movie Server** – In the *Object Explorer*, select *Drivers* and double click or drag the Premiere Movie Server to add it to the appropriate *Area* (i.e. room).
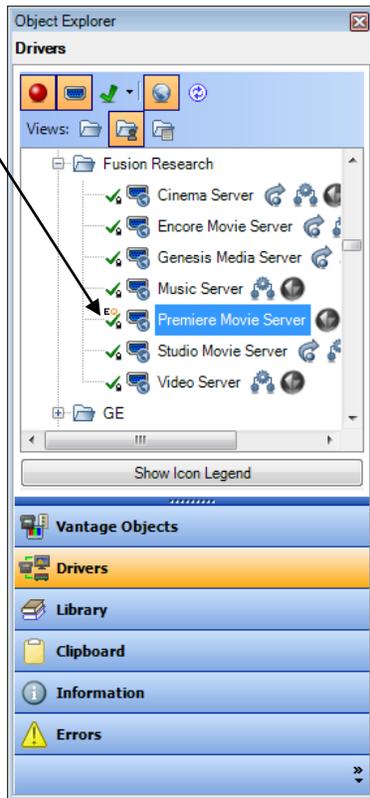
   TIP: An object or driver is added to the room currently selected when double clicking.

3. **Name the Fusion** – In the *Object Editor*, give the Fusion a user-friendly *Name*. If an alternative or shorter *Display Name* is desired, assign that as well.

   TIP: The *Name* (or the *Display Name*, if given) will appear in the video widget.

4. **Add Port** – Add a TCP/IP port corresponding to the InFusion Controller to which the device is connected. Be sure to enter the proper IP address for selected TCP Client Port. Double-check that the port of the TCP client port is set to 5151. Also, check the box next to "Manual Connect".
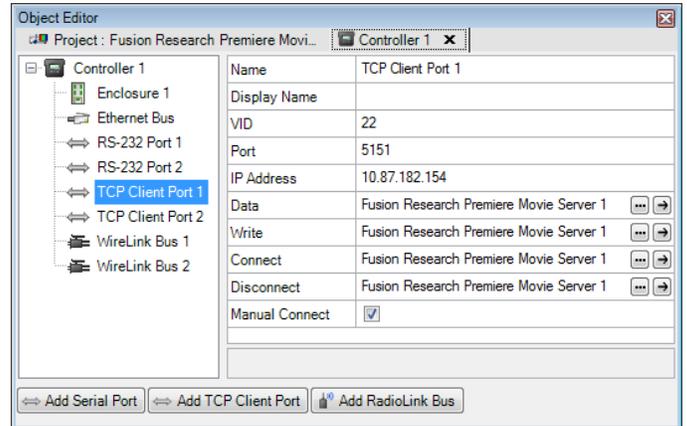
5. **Input the Sw Serial Number** – Enter the Sw Serial Number into the input text box (as shown below).
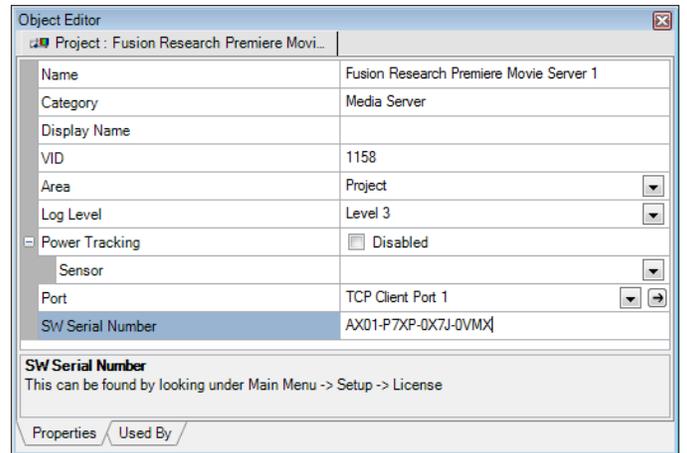
6. **Add the Fusion as a Source** – The Fusion is now ready to add as a source object to a video switcher, home theater receiver, or TV/display.

VI. Equinox 40 Setup

The Equinox 40 has no native video widget support for use with the Fusion. However, EQ40 (and keypad button) control may be accomplished through Design Center tasks. See Design Center Procedure Table in section XII.

VII. Add Additional Equinox Devices and Program Controller

To use the Fusion with the Equinox video widget, simply add and name any EQ73 or EQ41 (from *Vantage Objects | Touchscreens* in the *Object Explorer* pane) in their respective areas in your Design Center project (for the Equinox mobile app, no object needs to be added). No additional Design Center setup is required.

Connect to the InFusion Controller. Configure the devices. After the devices are configured, do an *Update* or *Program*. The devices should now be operational.

 NOTE: When doing a *Program* or *Update* on larger systems, the InFusion Controller and driver may take a few minutes to poll, establish communication, and initialize the several devices on the system.

VIII. Equinox Widget Navigation

Once a Fusion is added to the project, the video widget will normally appear on the EQ73, EQ41, and Equinox Apps. If the widget is not visible, go to Profile Settings and select the widget to make it visible. Note that if the video widget is already on the Equinox device, but the Fusion is not visible, go to the widget *Edit Mode* (see below) to toggle the Fusion to make it visible.

The following screen shots, taken from a typical EQ73 device, show the basic navigation for full Equinox widgets on the EQ41, EQ73, and Equinox App, among the three widget views: ***Dashboard***, ***Full Screen***, and ***Edit Mode***. Refer to the "Equinox Apps Widget Install" document on Vantage's website for more detailed information.

Dashboard View of the Fusion in the Video Widget

Enter *Full Screen* view

Source controls

Zone power toggle (press the name of the zone) and volume controls
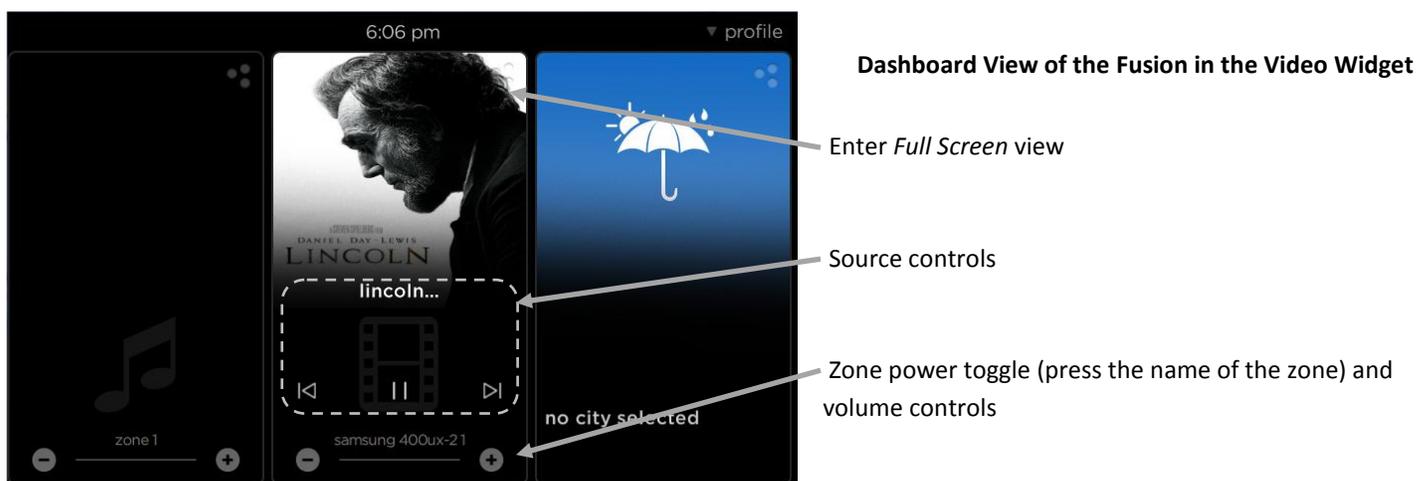
Full Screen View of the Fusion in the Video Widget
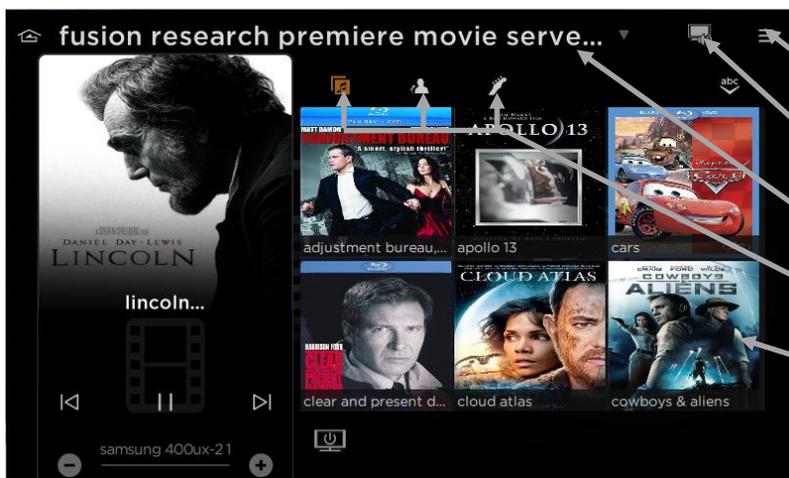
Enter *Edit Mode* view

Switch to different zone

Select source (can also swipe right/left)

Browse movies by title, artist, or genre

Press movie cover to start movie – Swipe covers up/down to view additional titles.

Edit Mode View for the Video Widget
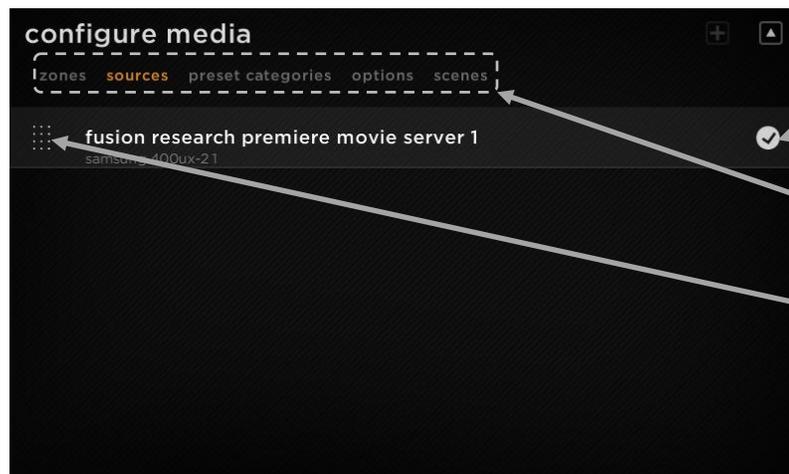
Toggle checkmark to show/hide items

Configure zones/sources/preset categories /options/scenes

Hold and drag up/down to change the order

Equinox App Licensing Note

Install the Equinox App (search for Vantage Equinox) on your iOS or Android devices. A valid license is needed for each Equinox device connected to a Vantage System. Licenses are available via Controller SD cards for up to 5 (EQ-APP-5), 10 (EQ-APP-10), or unlimited (EQ-APP-X) quantities of Equinox devices. Also, each EQ73 station adds one more license (EQ73TB-T1). Ensure Step 1 of the *Design Center Setup* was completed, as the Equinox App will not run without the Equinox Mobile Passcode. Launch the App, and follow the on-screen prompts in the Setup Wizard.

IX. Connection Diagram Example
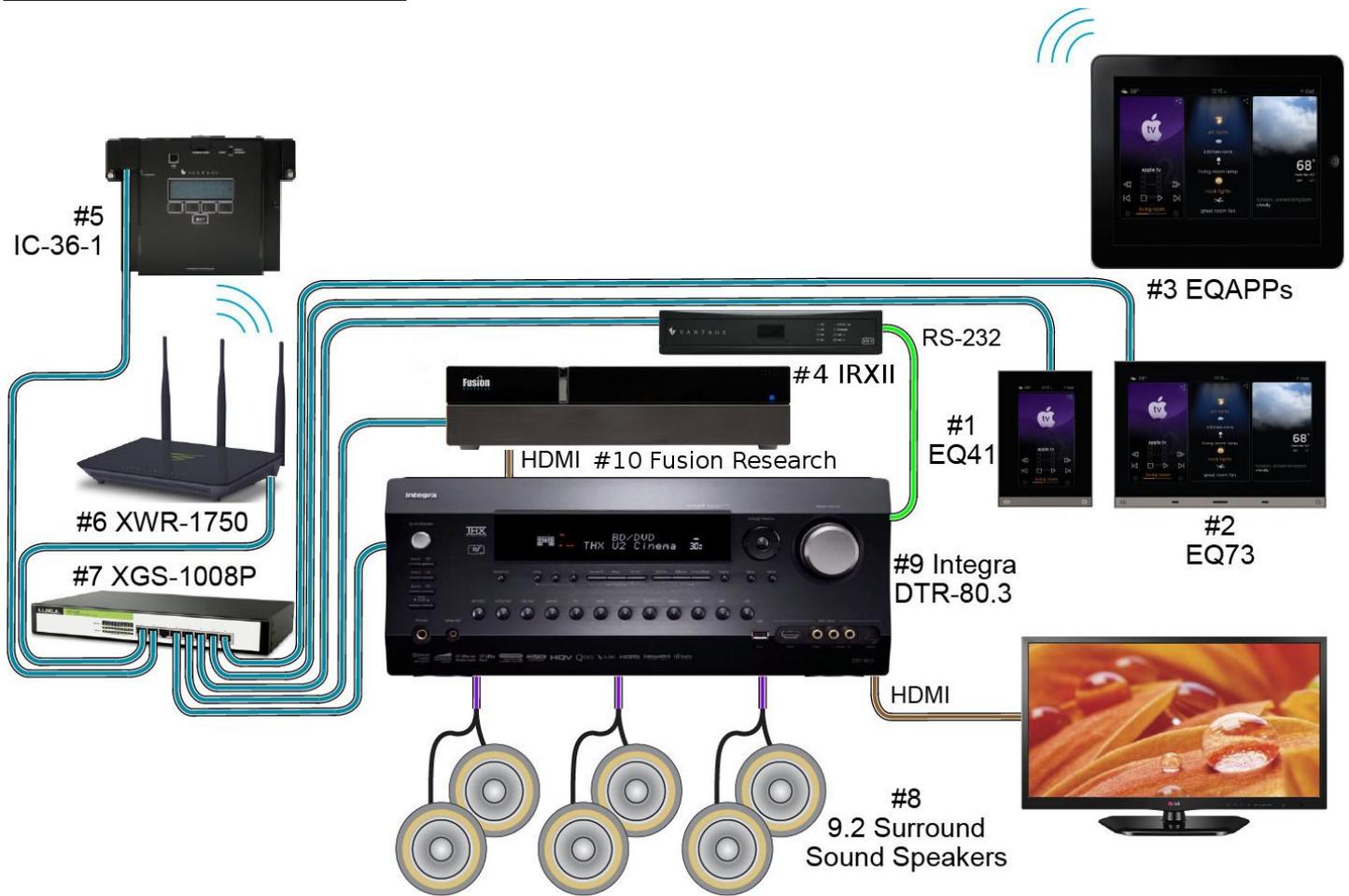
X. Bill of Materials Example

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	EQ41	Vantage	EQ41TB-TI	Ethernet w/PoE	Cat 5 (RJ45)	
2	EQ73	Vantage	EQ73TB-TI	Ethernet w/PoE	Cat 5 (RJ45)	
3	EQ Mobile Apps	Vantage	EQ-APP-5/10/X	WiFi	N/A	
	IR Interface	Vantage	IRX-II	Ethernet, RS-232, IR	Cat 5 Ethernet, RS-232 dB9	
	Infusion Controller	Vantage	IC-36-1	Ethernet	Station bus / Cat 5	

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
	Wireless Router	Luxul	XWR-1750	Ethernet / WiFi	Cat 5 (RJ45)	
	Gigabit Switch w/PoE	Luxul	XGS-1008P	Ethernet w/PoE	Cat 5 (RJ45)	
	Zone Speakers	Various	Various	N/A	16/4 Speaker Wire	
	Receiver/Pre-amp	Integra	DTR-80.3	Ethernet, RS-232, Dolby TrueHD, DTS-HD, THX, WMA, MP3, Internet Radio	Cat 5 Ethernet, dB9 RS-232, HDMI, RCA	
	Media Player	Fusion Research	Premiere Movie Server	Ethernet, HDMI	Cat 5 Ethernet, HDMI	

XI. Tech Notes

Things to Know / Gotchas

❖ If the Sw Serial Number is not added into the Design Center file, then there is no way that the Vantage System can communicate with the Fusion Research device.

❖ After programming the controller or rebooting an EQ73, it is normal for the EQ73 to not update for up to a minute.

❖ A movie is started by pressing the movie cover or name. The process of starting the movie takes around 30 seconds. It is not uncommon for the movie to get to the movie description screen and then stop. If this happens, then simply press the 'play all' button from stage to stage until the movie start.

Known Issues

❖ Because of the protocol that the Fusion Research device employs, there must be approximately 300 ms between each command that the Vantage System sends to the device. While it is not usual, if the user attempts to send two commands (by pressing buttons) within 300 ms of each other, the second command will not be sent. The user will need to send the command (press the button) again.

❖ From time to time the Fusion may stop responding to commands. This typically occurs because the Fusion has stopped working properly and needs to be rebooted. If EQ73s are in use and stop controlling the Fusion once it is rebooted, then they need to be rebooted as well. If TPT touchscreens are in use and stop controlling the Fusion once it is rebooted, then the Infusion controller will need to be reset.

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XII. Design Center Task Procedure Table

The following table shows the most common procedures that are available for programming Design Center tasks with the Fusion.
Tasks can be assigned to keypad buttons and Equinox scenes.

Available Task Procedures		
Category	**Folder**	**Procedure**
Audio/Video	Keyboard	Press Key (0-9, A-Z)
	Media Server	Synchronize Current Album (Refresh Artwork)
		Synchronize Hardware Song (Refresh Title)
	Navigation	Back
		Cancel
		Down
		Exit Menu
		Left
		Page Down
		Page Up
		Right
		Select
		Show Menu
		Up
	Play	Forward
		Pause
		Play
		Record Start
		Rewind
		Skip Next
		Skip Previous
		Stop
		Synchronize Elapsed Time
		Synchronize Play Speed
		Synchronize Play State
		Synchronize Remaining Time