

MOREVUE™ USER MANUAL

JUST ADD SOFTWARE, LLC

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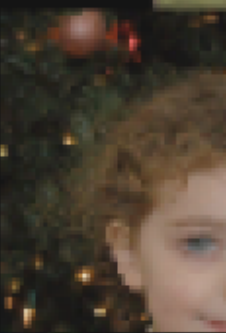
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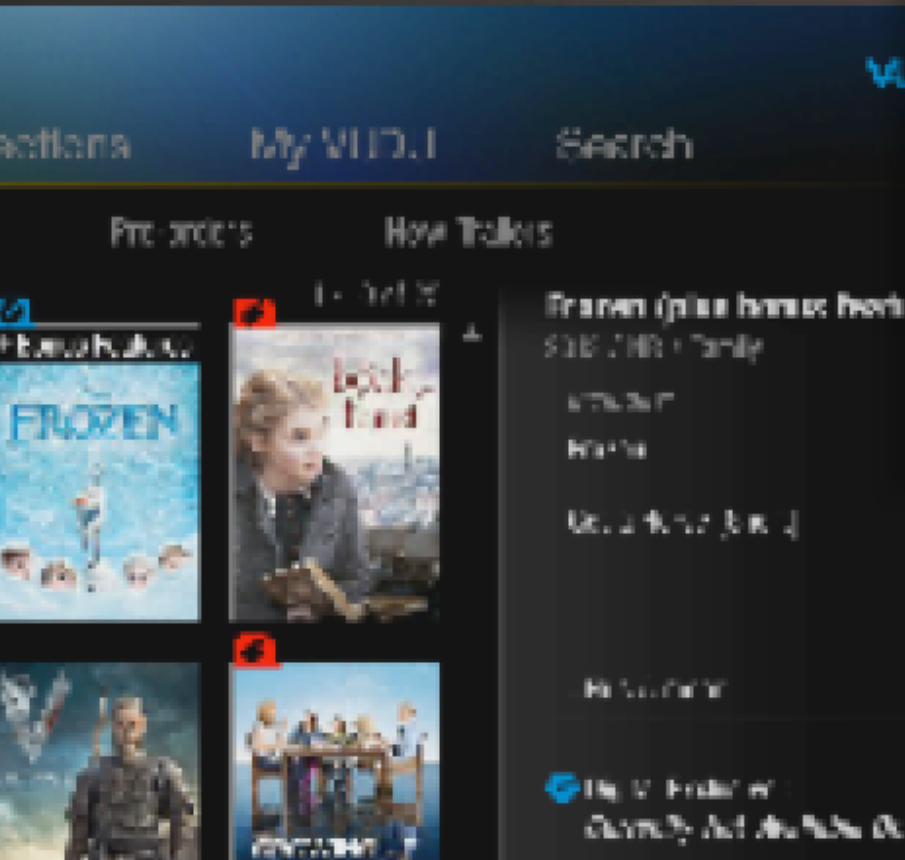
MoreVue was written in Xojo 2014. Just Add Software wishes to acknowledge use of code from the following individuals and companies: LogicalVue software for their UltraUpdater classes and controls. MonkeyBread software for several add-ins and modules used in this software package. And thanks to all of the members of the Xojo Network Users Group community for their day to day advice and support.



MOREVUE™

Just Add Software's MoreVue™ application allows for a quick and comprehensive overview of any device in a Just Add Power HD/IP™ video system.

This manual will detail application operation and features.





GETTING STARTED

MoreVue™ provides Just Add Power HD/IP system users running Layer 3 topologies the ability to receive on their computer live pre-views of any or all their devices. Nearly real time screen capture images are able to be displayed. This manual will detail the operation of MoreVue™ and its features.

Each new installation of MoreVue™ comes with a free 30 day trial of the software. After the 30 day period has completed, the software will require a license key that must be purchased. The license key is tied to each computer where the software is installed. To request a registration key, please open the registration window from the **edit** menu. The registration window is shown to the right. When a valid name and e-mail are entered, the “Send Registration Re-

Please enter your name, email address, and license code you received below from Just Add Software or an authorized dealer/distributor. Be sure to use the same name and e-mail address you used when registering.

To request a License Code, please enter your information and click "Send Registration Request." Your computer must be connected to the internet in order for Just Add Software to receive your request.

Your information will be sent to Just Add Software when registering.

Name:

Email Address:

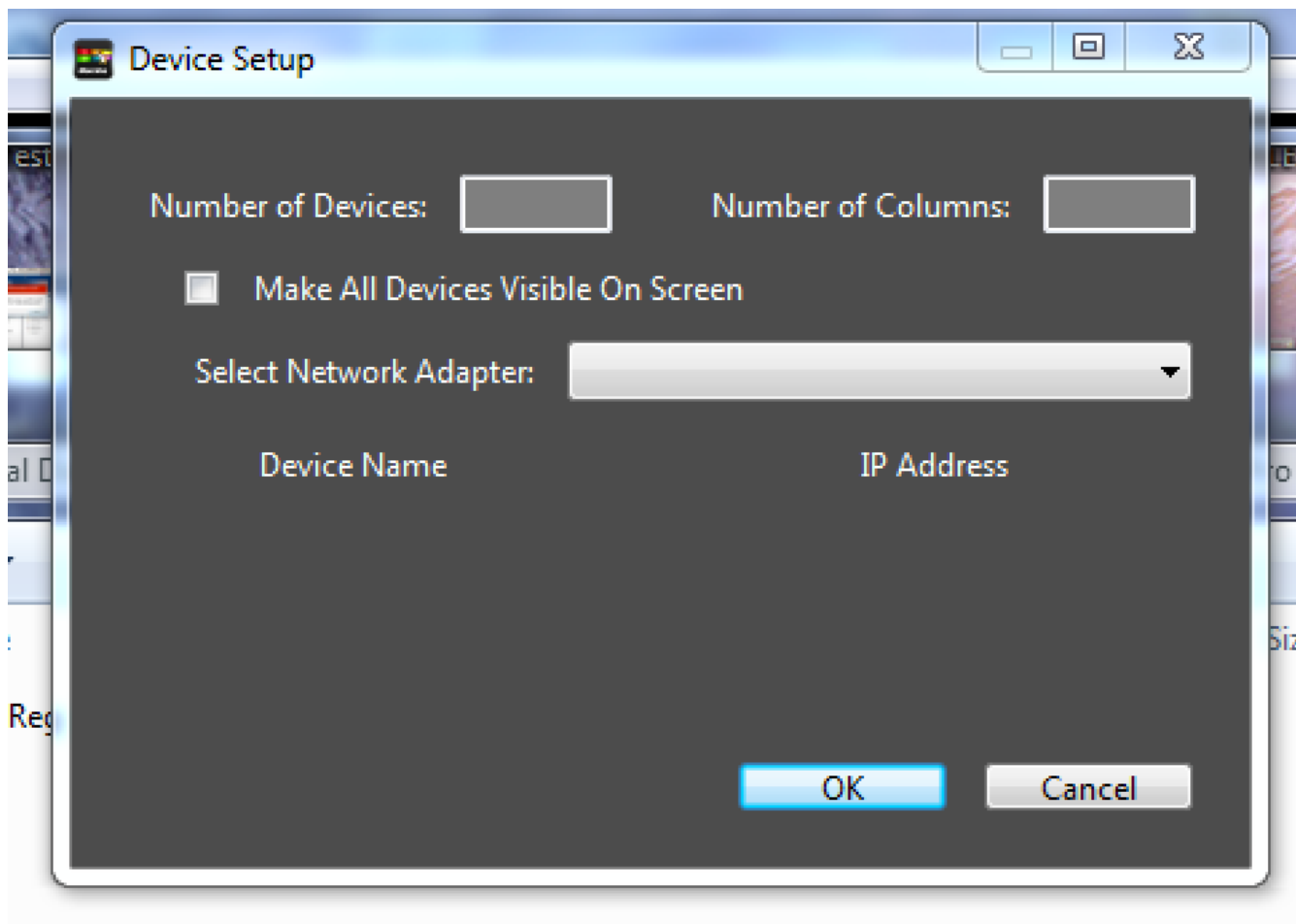
Registration ID:

License Code:

Software is registered. Thank you!

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Once registered, all features of the program will be available.



SETUP

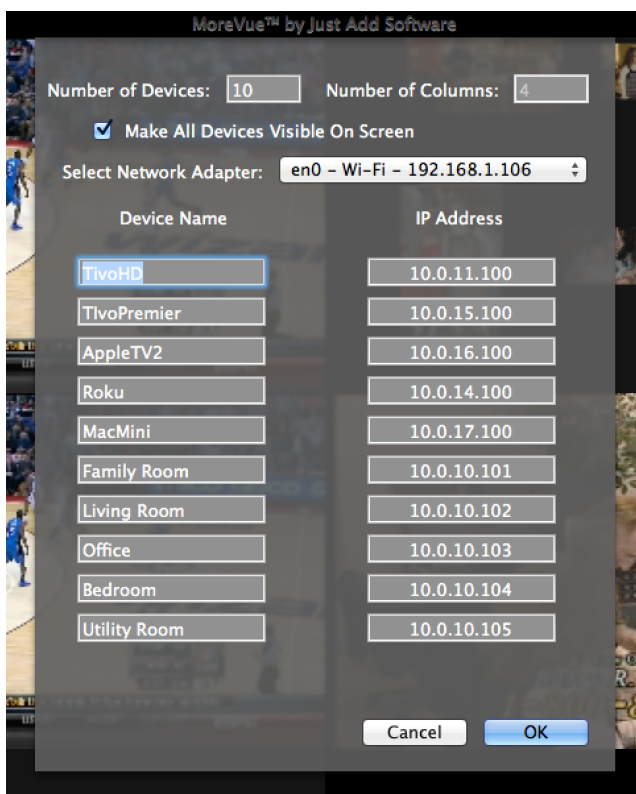
On initial startup, users will be presented with a notification that they are operating a trial version of the software. After that notice is dismissed, the user will be notified that the settings file was not found. When that notice is dismissed, the settings window will open as shown above. Enter the number of devices to be monitored in the space shown. The window will expand with new device name and IP address fields for each device. See the image to the left.

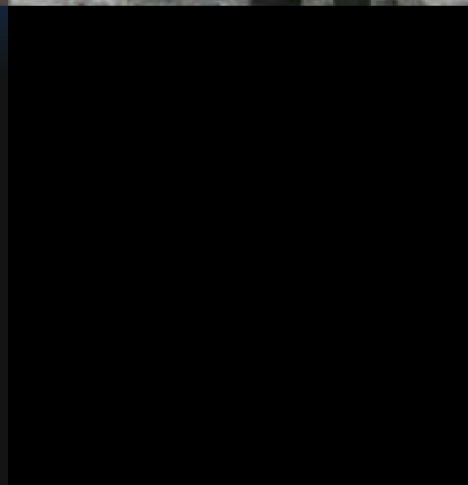
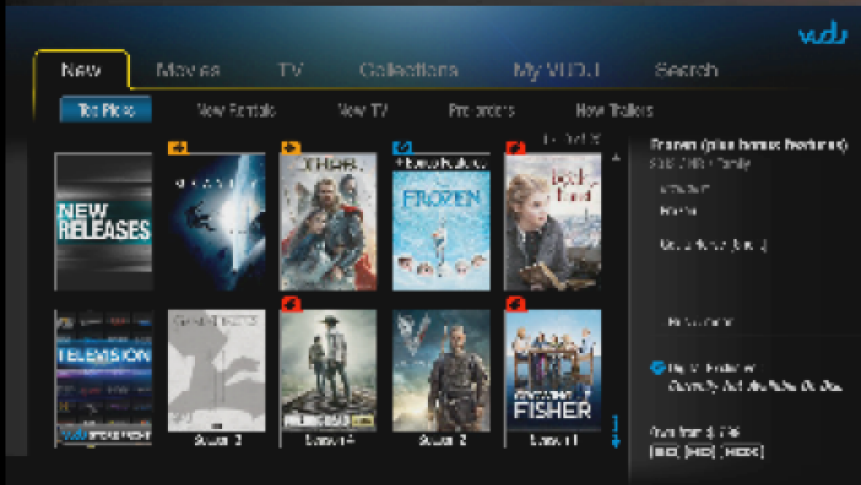
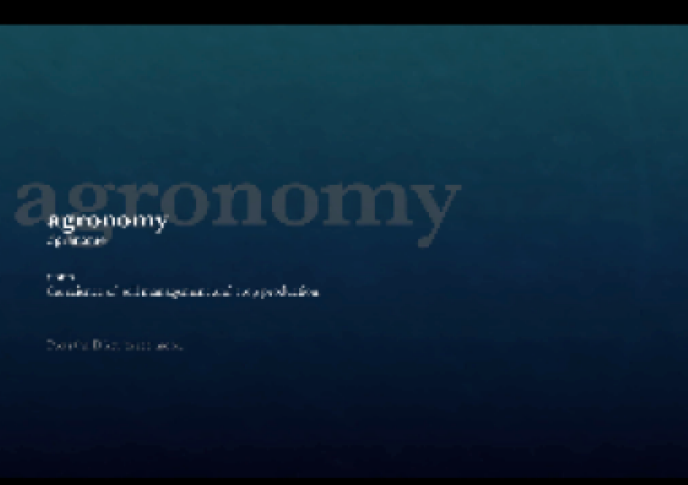
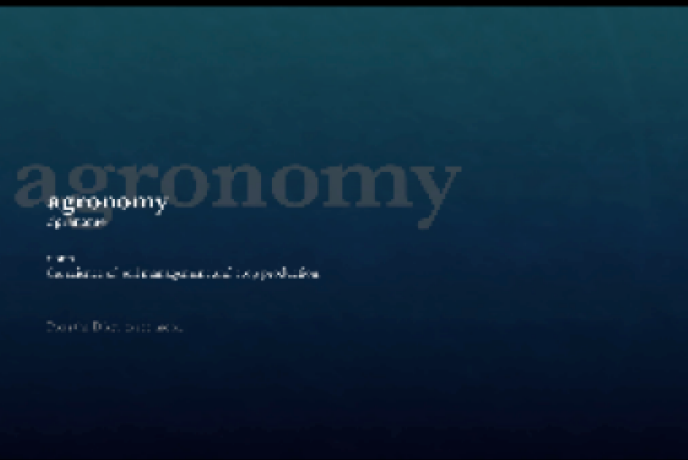
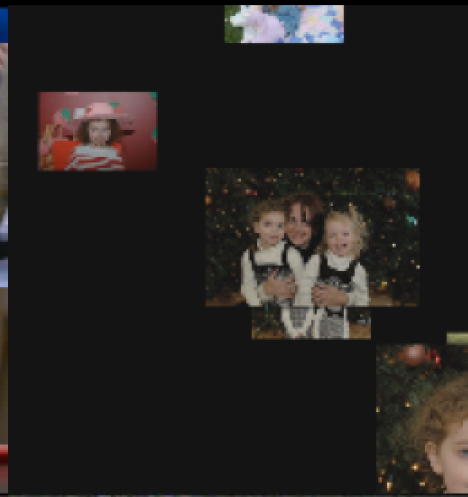
Next, the choice can be made to have a specific number of columns on the screen or to make all devices visible in the available screen space. For example, if the system being monitored has 30 devices, a choice of 3 columns could be made. This would result in larger images, but some images will be off screen will need to be scrolled on screen to view. Alternatively, if “Make All Devices Visible on Screen” is checked, MoreVue™ optimizes image size to fit every device on the screen so all are viewed at once. This can result in smaller image size, but every device is viewable without having to scroll.

Next select the network interface card to be used when connecting to the devices.

Finally, enter a name for each device and the IP address for each device.

Click OK to save your changes and begin streaming images





STREAMING

Once settings are saved, connection will be attempted to each of the devices. Once connected to the device, streaming will begin. MoreVue™ attempts to get images from the Just Add Power hardware as quickly as possible. The speed at which images are transferred depends on the resolution of the image captures, the number of devices and the speed of the network connection. With lower resolution settings and a good network, MoreVue™ is able to stream at near full frame rates.

Resizing the Window:

MoreVue™ will open to the maximum available width of the screen being used and up to the maximum available height of the screen. If the window is resized smaller, all displayed screens and images are scaled as well. So it is possible to shrink the MoreVue™ window to a small size with small images. This can be useful when wanting to simply have a quick preview of what is being shown on each device without having to have the entire computer screen taken up by the application.

Setting Resolution:

Resolution can be adjusted on an image by image basis. The default capture resolution is 320 horizontal pixels. This value is high enough that the images are of sufficient quality and yet the transfer speed is fast enough to achieve a good viewing experience. Understand that as significant numbers of pixels are missing, the image will be blocky, particularly with text. If higher quality images are needed, select a higher resolution.

When connecting to the Just Add Power hardware, MoreVue™ attempts to determine the video resolution of the HDMI stream. If the resolution cannot be determined, MoreVue™ assumes the HDMI signal is 1080p. The table below shows the available selections for 1080p and

720p signals. User selectable horizontal resolutions are based on the detected resolution and are at full, 1/2, 1/4, 1/6 and 1/8 resolutions.

To change the resolution for an image, move the cursor to that image. As the cursor moves through the image, an overlay



window activates showing the available resolution. The name of the device is also shown in the upper left corner of the image. The current resolution selected is indicated by the selection dot next to it being solid. To change resolution, click on the dot or the text of the new resolution. The stream will then change. Resolutions changes can be easily seen as the quality and frame rate of the image will change.

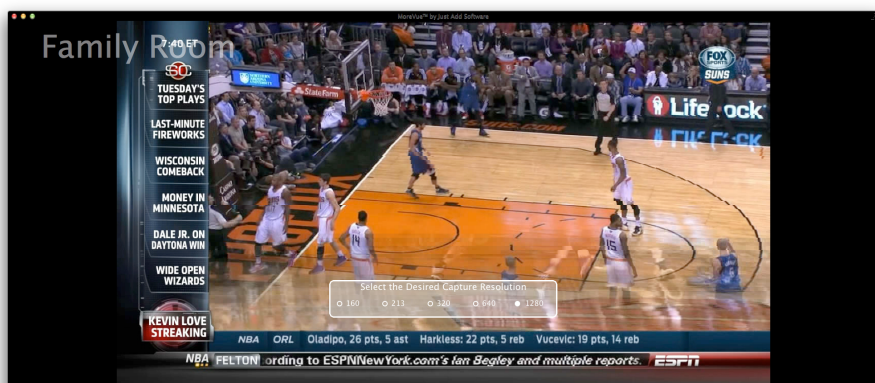
After moving into an image, if no cursor movement is made for a few seconds, the overlay fades. To activate it, move the cursor again.

Please note that at high resolutions, the frame rate may be very slow and may even appear to freeze at times. This is because the amount of data being transferred is significant as the Just Add Power hardware is not performing any image compression prior to transferring the bitmap of the HDMI stream to MoreVue. Additionally, some images from fast motion content like sports, may have tears in the image. This is because the image has changed during the period of when the bitmap was captured.

Resolution	1080p	720p
Full	1920	1280
1/2	960	640
1/4	480	320
1/6	320	213
1/8	240	160

Image Zoom:

Sometimes, it is desired to just view a single device in larger size. If this is the case, click the image in an area outside the overlay. The image will then expand to fill all available space in the window while keeping the aspect ratio correct. To return to viewing all images, press the escape key.



Full Quality Capture:

If it is desired to save a full quality image of a particular screen to disc, right click on the image to be captured. A menu will pop up. Select “Grab High Quality Full Resolution Image.” The current stream will stop and a full resolution image capture will take place. Once the image is transferred to the computer, a dialog box will open requesting where to save the image and the format for saving. Valid save formats are JPEG or PNG.

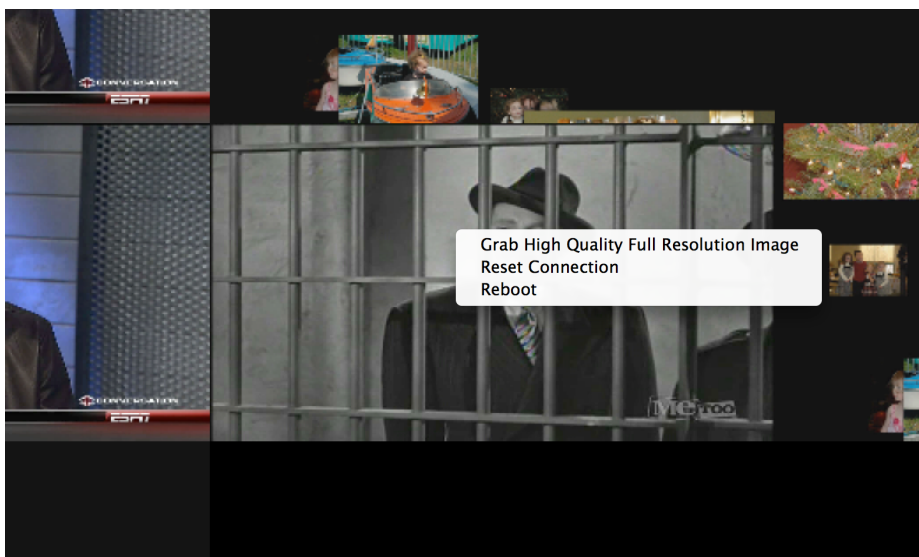
Resetting Connections:

Sometimes a connection to the Just Add Power hardware gets interrupted or stalled. MoreVue™ can detect this situation and will make an attempt to restart its connection to the device. If a manual connection reset is desired, right click in the image of the desired device and choose “Reset Connection.” MoreVue™ will then break the

network connection with the hardware and attempt to re-establish it and begin the stream again.

Rebooting Devices:

If a device becomes completely unresponsive after attempts at resetting the connection, it may need to be rebooted. To reboot a device, right click in the image for the device and select “reboot.” The device will reboot. When it comes back online MoreVue™ will attempt to re-connect and when connected, streaming of the images



will begin again automatically.



IMAGE SERVER

MoreVue™ features a built in html server for each device that will deliver the received image for that device to any browser or web page. To access the web server for a device enter the IP address of the computer running more view with a port designation of 8000 plus the device number. So for example, if the computer running MoreVue™ is at IP 192.168.1.2 and we want to view the image on device 1, the IP is:

<http://192.168.1.2:8001>

Similarly if the device desired to view is device 13, the URI would be:

<http://192.168.1.2:8013>

Using this feature allows other control systems or software to access the screen captures in a very quick and rapid way as images are compressed and sent at the selected resolution.

DATA FILE FORMAT

The data file MoreVue™ uses to save settings is a comma delimited text file. It is possible to enter the settings for the application in an external text or spreadsheet application. This may be easier to use for entry for large numbers of devices. The format of the file is as follows:

NIC,Index_Number_of_Network_Adapter
Number of Devices, Number_of_Devices
Number of Columns, Number_of_Columns
All On Screen, True_or_False
Device_1_Name,Device_1_IP_Address
Deivce_2_Name,Device_2_IP_Address
...
Device_N_Name,Device_N_IP_address

The default Network Adapter index is 0. If this value is unknown (likely), then enter 0 and it can be edited later in MoreVue. An actual data file is shown below:

NIC,0
Number of Devices,10
Number of Columns,4
All On Screen,True
TivoHD,10.0.11.100
TlvoPremier,10.0.15.100
AppleTV2,10.0.16.100
Roku,10.0.14.100
MacMini,10.0.17.100
Family Room,10.0.10.101
Living Room,10.0.10.102
Office,10.0.10.103
Bedroom,10.0.10.104
Utility Room,10.0.10.105

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