



## Residential Systems



In today's high tech era, Audio Video applications are a must have in any residency. They provide a mode of entertainment, family time, and also add value to any home. With so many different blue ray players, receivers, and set ups in a residential Audio Video application connectivity can be an issue if dependently AV solutions are not used.

Compatibility and HDCP key's cause installers a headache when setting up residential systems. Luckily, Atlona is on top of its game when it comes to AUDIO VIDEO connectivity solutions. Offering long distance HD extenders over single or dual cat 5/6 and fiber, distribution amplifiers and Matrix systems, Atlona is consistently offering solutions that are compatible with nearly all TV cable boxes and receivers.

These solutions even distribute the HDCP keys in an intelligent manor, which allows the best connection when switching through these HD sources.

In this particular residential setting, the goal was simple, but involved the correct system to produce the optimal result.

The first phase involved distributing one Direct TV Cable box to two HD PLASMA displays. One run needed a direct HD output and the second HD run needed to be extended over CAT5/6 Cable in order to comply with the system plan's that were created before the build.

The second phase was similar but held its own challenges when it came to distributing the HD signal. The distribution of one Direct TV Cable box had to be directed to an input of a Denon Receiver in the basement location for the system rack.

Through the Denon an HD run extended to a 65 inch Pioneer Display. The second HD run needed to be extended over CAT5/6E to reach its display which is 42 inch LG HD plasma which was in the upstairs' guest bedroom.



To make this application work at optimal performance John Lafontaine from LaPro House Music had to depend on HD extenders and distribution amplifiers to push out high quality audio and video without missing a beat.

Working with cables boxes in general can be difficult when it comes to HDCP issues, and also product compatibility.

Luckily, Atlona Technologies offer AV solutions that are compatible with almost every home theater product on the market.

Atlona Technology is an Audio Video Manufacture offers high quality AV solutions to all types of integrators from residential to commercial. Having a vast product line from cables to matrix switcher's, Atlona offers a one top market for your AV needs.

In this particular residency, Atlona's AT-HD-V14 was used for the focal point of the distribution of HD signals. The Atlona distribution amplifier allows users to connect any digital video source, such as: DVD, Satellite, Cable Box, PC, Xbox, PS3 and more with up to 4 digital HDMI displays, while pushing high quality video and audio at 1080p!

The AT-HD-V14 distributed One Direct TV Cable box to two HD plasma displays. The first run was connected directly into one of the Plasma displays. The second run used Atlona's top single cat 5/6E HD extender, the AT-HD-V40SRS to extend the HD run to the second HD plasma display.



The AT-HD-V40SRS can handle latest HDMI standards including 3D and high resolutions up to 1080p at up to 130ft and 1080i up to 200ft. It is a perfect solution for those who need to extend HDMI signal for a long distance over a single low cost cat5 or cat6 cable.

The last phase of the product used Atlona AT-HD-V14 once more to distribute the HD signal to two more displays. The operation was identical to the first phase, which allowed the amplifier to distribute one direct TV cable source to two displays. The first output was connected directly to the Pioneer 65 inch display, and the second output needed to extend all the way to the guest bedroom from the basement. The integrator used Atlona's AT- HD-V40SRS to complete this task.



A Simple installation made even easier by Atlona Technologies.



**ATLONA SOLUTIONS USED IN APPLICATION:**

**AT-HD-V14**



<http://www.atlona.com/Atlona-1x4-HDMI-Distribution-Amplifier-HDMI-1.3-with-3D-Support.html>

**AT-HD-V40SRS**



<http://www.atlona.com/Atlona-HDMI-1.3-Extender-with-3D-Support-over-Single-Cat5-6-up-to-200ft-SENDER-RECEIVER-INCLUDED.html>