The Home Theater and Network upgrade

All the original equipment was removed this included the original Sony home theater, and the video switching equipment.

The following equipment had been installed :

a. Video switch -- this switch is used to select either the analog or digital Antenna or Cable Inputs.
b. UHF antenna -- a Winegard Wingman for an enhanced digital performance, with a 2 to 3 dB gain.
c. Line amplifier -- a Channel Master mini-digital amplifier, model 3414, this is used to amplify any analog or digital signal from either the Antenna or Cable inputs. (6 dB per line gain)
d. Video cables -- HDMI cables were pulled to both the side and rear TV compartments.
e. HDMI matrix -- a KanexPro HDMI 4x4 matrix switcher is used to allow the four (4) independent HDMI inputs to be assigned independently to the three TVs.
   (Satellite Dish, Video Playback, Media Computer, Laptop)
f. Video Playback - a Argosy HV33T R set-top box, with a TB hard drive, this unit allows various movie formats and JPEG's to be displayed in high definition. Pictures and movies can be downloaded from the Internet, a computer, or an external USB flash drive.
g. Satellite Dish -- a Dish Network VIP-211k receiver with an external 500 GB byte DVR hard drive. Connected to a System 500 Dish, dual LNB's, capable of pulling in high definition programming plus both New York and Los Angeles stations. Also capable of converting both the Antenna or Cable analog and digital input to a high definition signal.
h. Home theater -- a Sony STR-DH810 surround sound system connected to the digital output of the satellite system, media computer, and TV, with both AM and FM tuners.
i. Wireless earphones -- a RCA WHP-150, connected to the home theater system, with an overall range of 300 feet.
j. Network switch -- a HP gigabit switch HP-J9077A used to connect the following components : mini-server, media computer, video playback, our laptops, the printer, and wireless adapters. (Low current draw and high-speed)
k. Wireless adapter -- two wireless adapters have been installed as follows :
   A Wireless Client Bridge, EnGenius, ECB3500, used as a long-range client bridge with the campgrounds WiFi equipment. (Up to a mile range)
   A Wireless Access point, Rosewill RNX-N4PS router, used to interface the mini server with our laptops. (Short-range high-speed)

l. Ethernet cabling -- Ethernet cables, CAT-6 50 ft, were pulled to both the rear and side TV compartments, for outside and mini server connections.