

AV Cabinet Wiring

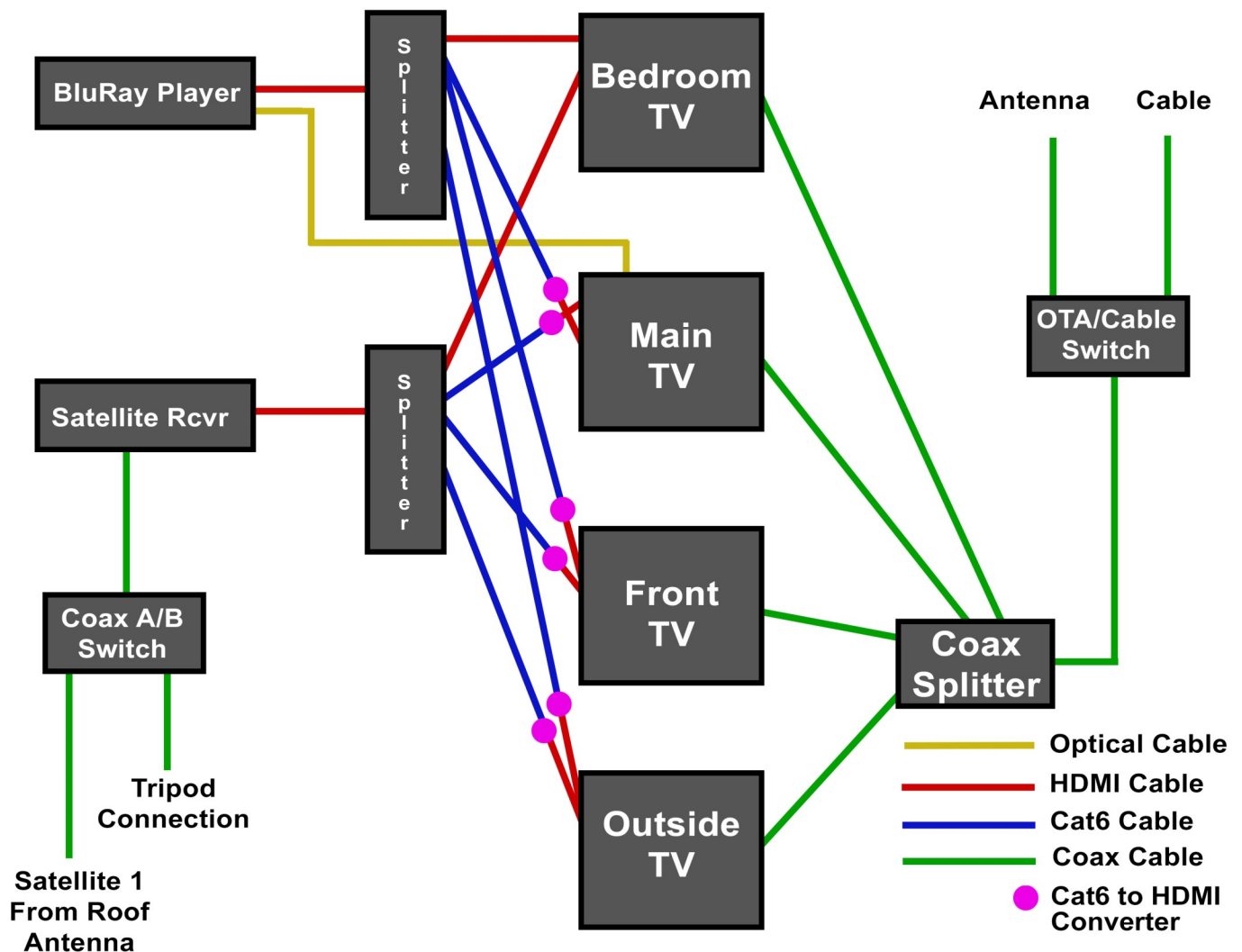
By Lt Dan McDonald

Tiffin has a unique way of setting up their Audio/Visual cabinet. There are two separate HDMI systems that carry either Satellite or the BluRay/DVD player signal to all four TVs simultaneously. Some manufacturers only supply signal to part of their TVs from one or the other, but not all at once. This is accomplished by using HDMI splitters at the source which supply the feed.

On coaches older than around 2013, this was done with straight HDMI cables that are prone to fail at the connectors. On most of these, Tiffin installed a short pigtail connector between the main cable and the device. That way the pigtail could be replaced without having to pull a new cable. Beginning around 2014, they started using HDMI to Cat6 converters, which send the signal over standard network cable to another converter behind each TV that changes the Cat6 back to HDMI for the TV input. Network Cat6 cable is used because it's easy to repair connectors.

Below is a simplified diagram of the system with the converters, for the others just omit the Cat6 for a straight HDMI run.

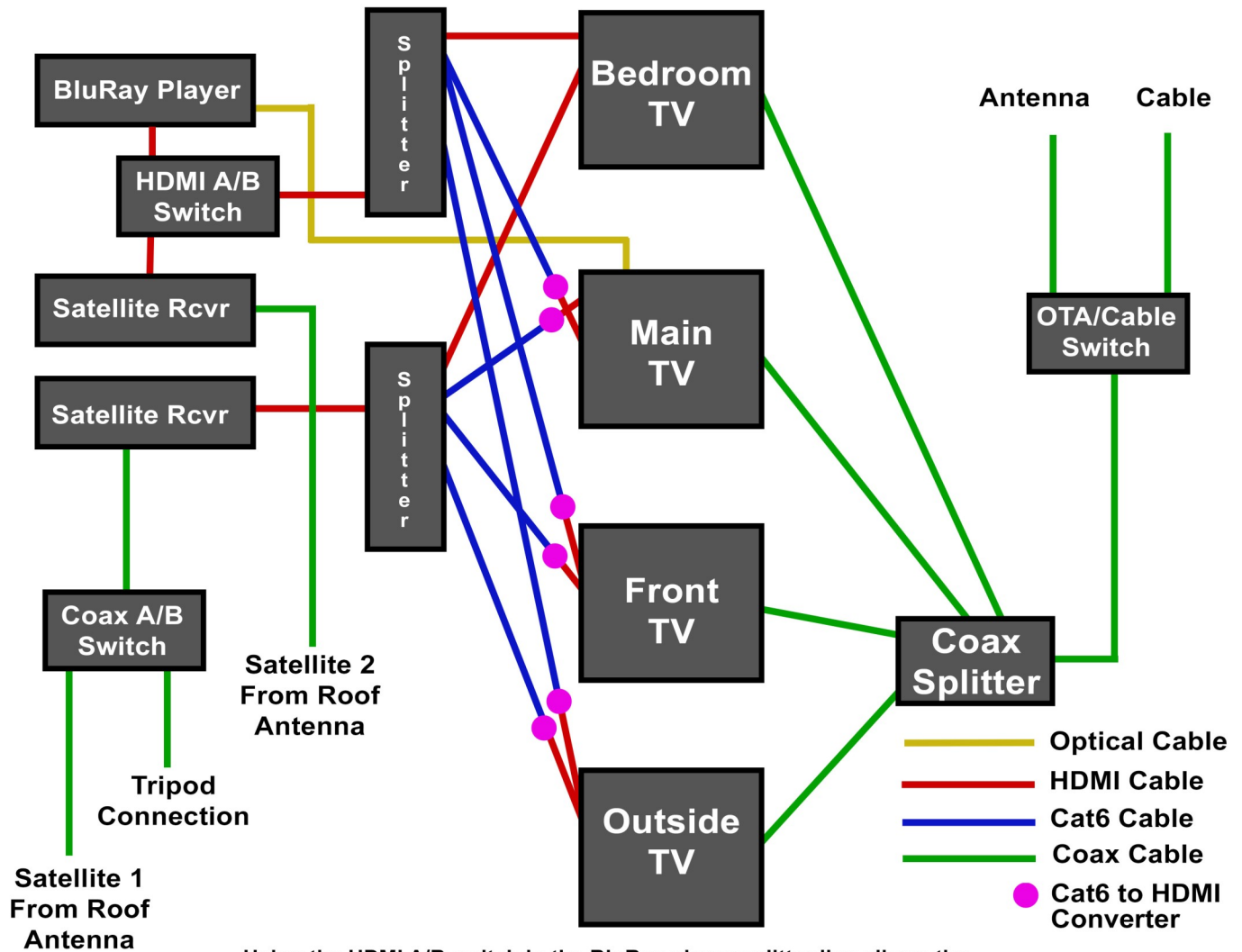
Generic Tiffin AV Cabinet Diagram



Modified System for Two Receivers

There's a fairly easy way to modify the system to accept two satellite receivers. Adding a HDMI A/B switch in the BluRay player line allows a second receiver to be added to that circuit. Then all you have to do is select the BluRay input on any of the four TVs to watch the second receiver. That way you can use either receiver on any or all of the TVs.

Tiffin AV Cabinet Diagram w/2 Satellite Rcvrs



Using the HDMI A/B switch in the BluRay player splitter line allows the second satellite receiver to be viewed on any TV by selecting BluRay player as input.