

Rewiring your Coach for Satellite Use

Many of the newer model RV's come equipped with a dedicated line for satellite TV use. However, older models will need to have a dedicated line installed as the satellite signal will be disrupted if passed through splitters and/or amplifiers.

Many RV's come equipped with a roof mounted TV antenna for over the air reception. Most are the Winegard brand and these come with a signal booster amplifier and a splitter to direct the signal to multiple outlets. They look similar to Figure 1 below and usually include a 12 volt outlet.



Figure 1

If your installation also includes an input for cable TV on the outer wall of your RV then this conversion will allow you to create a dedicated satellite TV cable without the need to run new cable lines through the coach.

Simply follow the step-by-step instructions detailed here and you be watching satellite TV in no time.

Remove the two screws holding the faceplate and pull the faceplate away from the wall to expose the wiring. Try to pull as much of the wire out of the wall as possible, as in Figure 2 below.

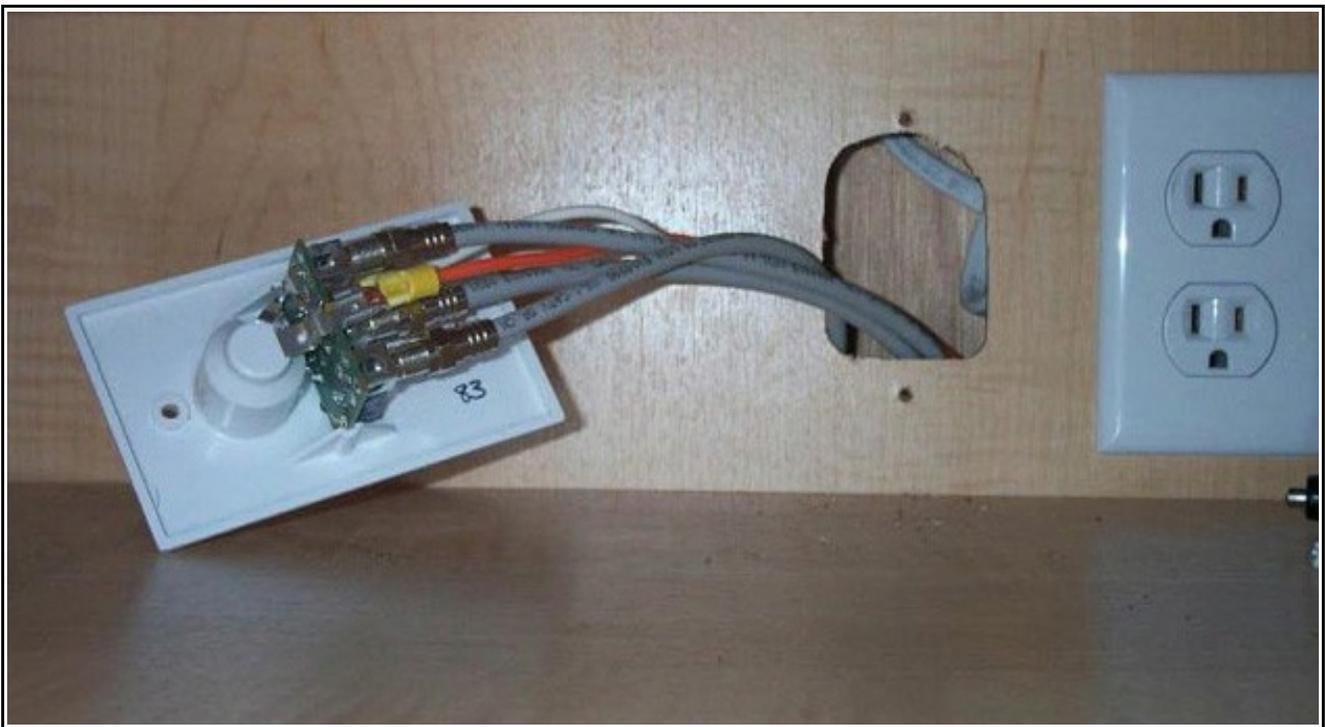


Figure 2

Figure 3 below identifies each line. The goal is to route the cable from the outside of the RV to the faceplate so we can attach a satellite dish. The Red wire is 12 volt +, the white wire is the neutral/ground. **Note that the 12 volt line (red) is live. It is best to find the fuse for that line and pull it before proceeding.**

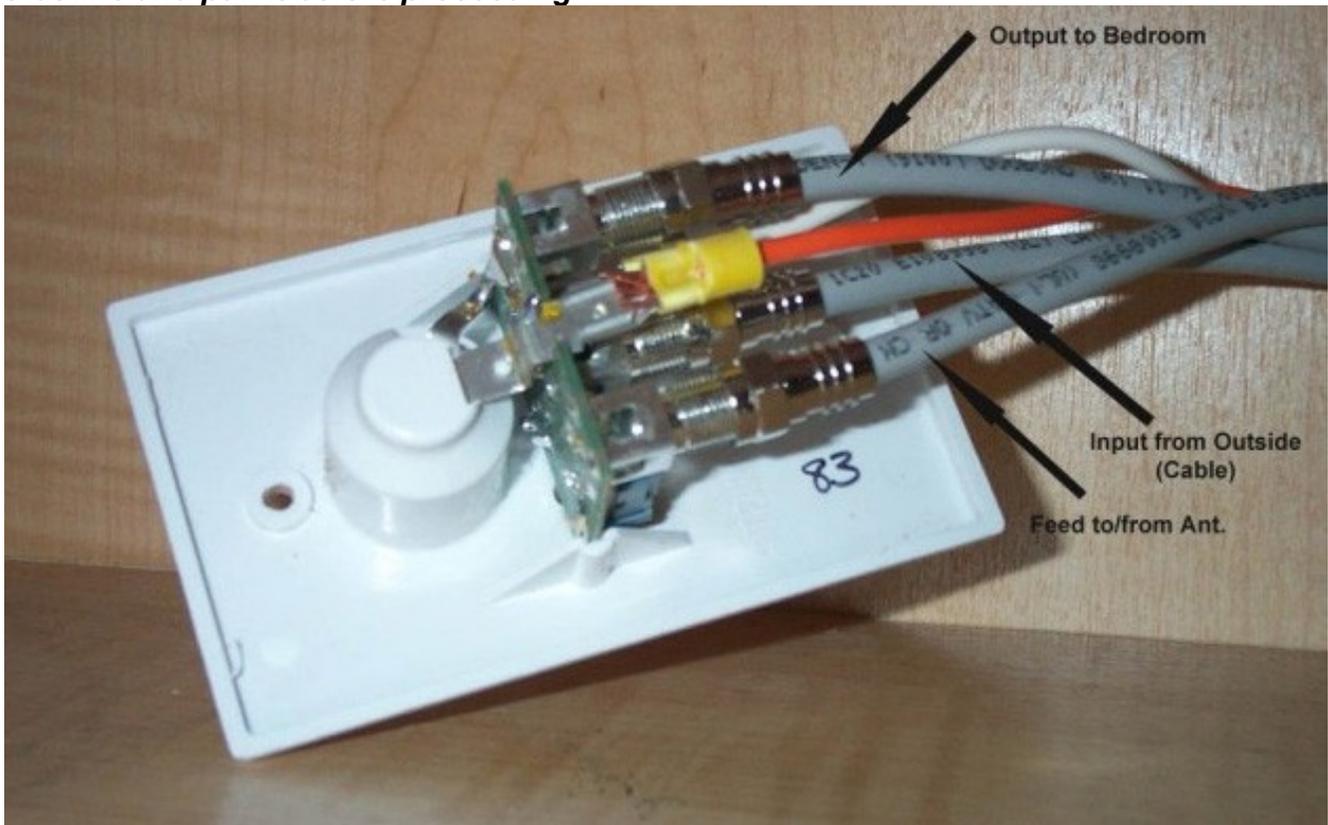


Figure 3

Mark each cable so you will know where it goes and then remove all cables from the assembly. Install two RG-6 cable connectors, one on each side of the 12 volt outlet, as shown in Figure 4. Then connect a small RG-6 jumper from left faceplate jack to the cable input on the amp assembly.

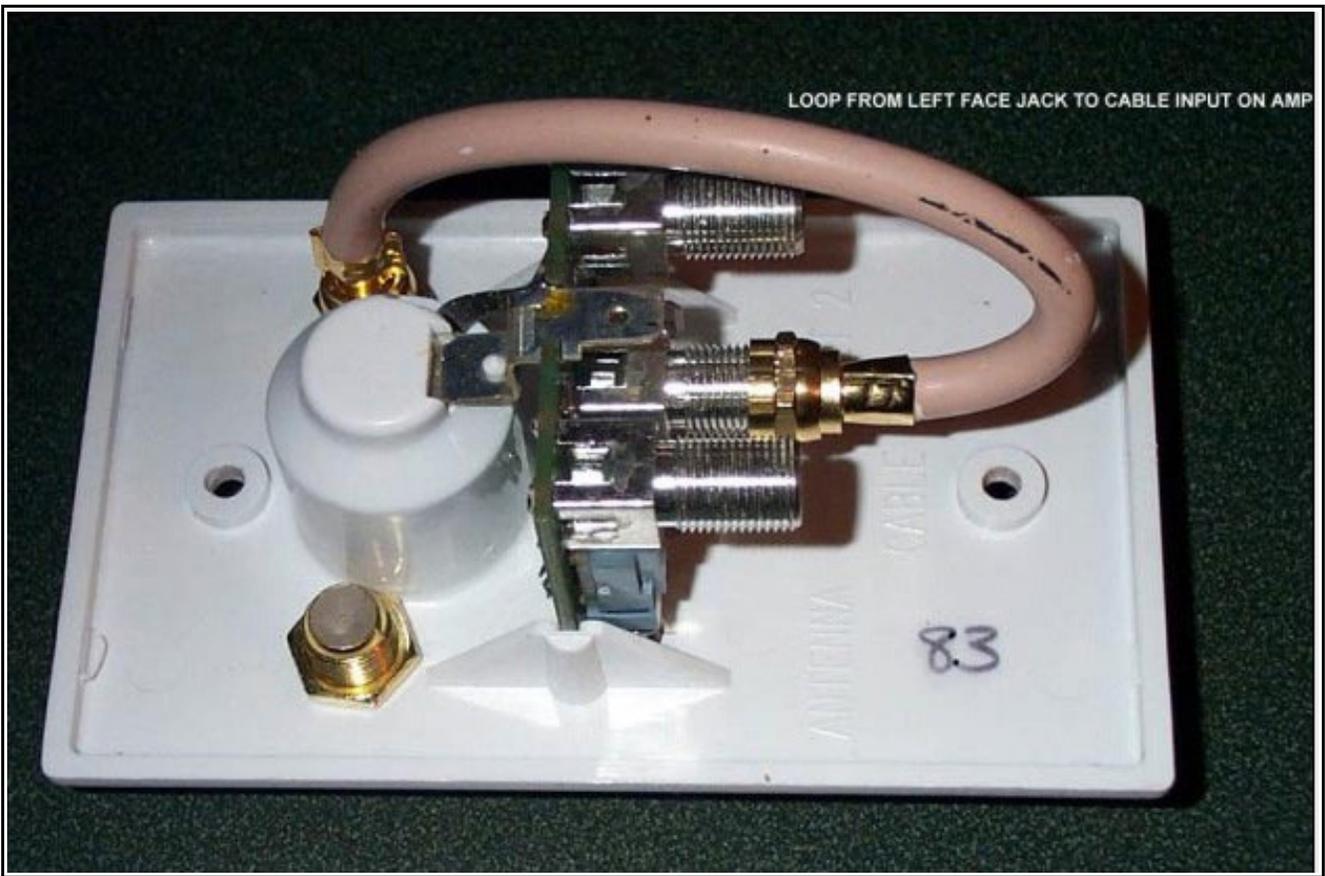


Figure 4

At this point your faceplate should look like Figure 5 below. (Without the printed labels.)



Figure 5

An additional small RG-6 Jumper cable will be needed to use cable at a campsite after these conversions have been made as shown in Figure 6.



Figure 6

Reconnect the wires as in Figure 3 except that now the input from outside wire is now connected to the right faceplate jack as shown in Figure 7. Note that the view of the input wire from the antenna is blocked by the outside wire in Figure 7. The antenna wire should be connected to its original connection as in Figure 3.

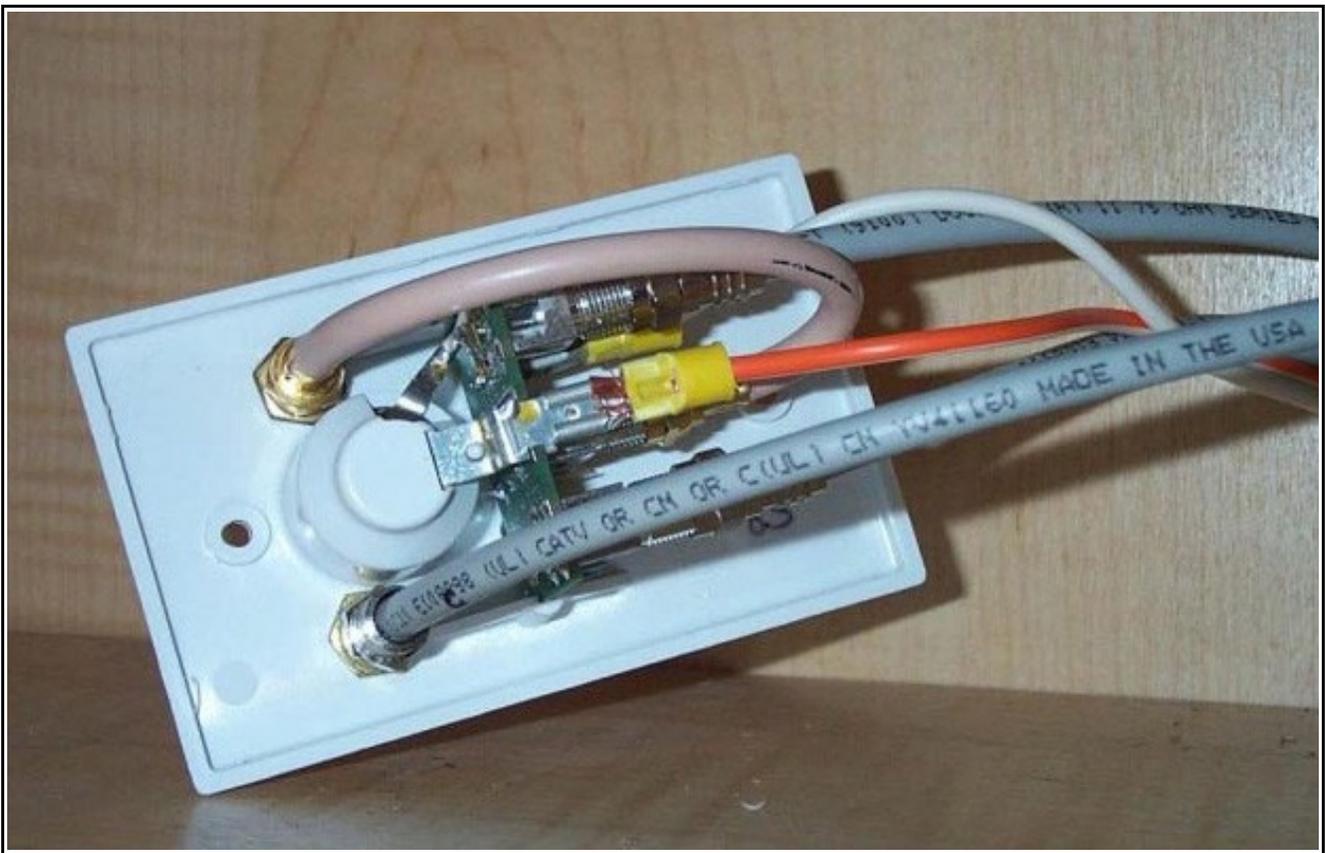


Figure 7

Reinstall the faceplate to the wall. The wall opening might have to be enlarged slightly to accommodate the new connections. The completed assembly should look like Figure 8.



Figure 8