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by **THOMSON**

National Parks

Receiver Upgrade Procedure

Help Desk Number: 1-866-488-6655

PURPOSE: This document will provide instructions on how to de-install the current D9234 PowerVu receiver at National Parks locations, and how to install the new D9834 PowerVu receiver.

NEW EQUIPMENT

1. D9834 Scientific Atlanta PowerVu Receiver

EQUIPMENT TO BE REMOVED

- 1.) D9234 Scientific Atlanta PowerVu Receiver

Wiring Diagram on Page 4

De-Install the current Scientific Atlanta PowerVu Receiver

1. Locate the Scientific Atlanta PowerVu D9234 receiver. In most cases this will be in a somewhat secure area, either the Telco closet or the Network Server Room. In other cases the Receiver will be on a shelf in the view room or on the TEL Station cart of equipment.
2. From the Scientific Atlanta PowerVu D9234 disconnect the IFL cable that is connected to the “LNB Power Connector” upper left hand corner on rear panel of the receiver. NOTE: This cable is coming from the satellite dish.
3. Disconnect the coax cable labeled “TV Out”.
4. Disconnect the video and left and right channel RCA cables from the receiver. These cables will only be there if you have small TV monitor used for troubleshooting. If the receiver is in the view room or on the cart you will probably use the 27 inch monitor when troubleshooting and these RCA cables will not be there.
5. Unplug the receiver from AC power outlet.
6. Remove the receiver from its location.
7. As with all the TEL equipment, this receiver belongs to your site and needs to be disposed of as you would any excess property. The EPA website below gives suggestions as to how to recycle old electronics, you might look for some possibilities. It would be your responsibility to take care of any shipping costs.

<http://www.epa.gov/epaoswer/hazwaste/recycle/ecycling/donate.htm>

Installing the new D9834 PowerVu Receiver

1. Before setting the new Scientific Atlanta PowerVu D9834 receiver in the same place as the old, look at the back and write down the UA number that is printed there, you will need it later. Set the new receiver in place.
2. Re-connect the IFL cable (the one that was connected to the LNB Power connector on the old receiver) and connect it to the port labeled “Satellite” on the D9834.
3. Re-connect the coax cable (the one that was connected to the TV out on the old receiver) and connect it to the “TV Out” port on the new D9834.
4. Re-connect the RCA video and left and right channel audio cables to the D9834 if needed.
5. Power on the D9834

Programming the D9834

NOTE: The new receiver will need to be programmed. Please follow these programming instructions.

- 1) Press the Menu button on the remote, and bring up the “Main Menu” on screen.
- 2) Using the navigation arrows on the remote highlight “#2Preset/Lnb” and press select.
- 3) In the Preset/LNB Setup menu using the remote, highlight the “Downlink field”, press select, using the remote enter 11893000 and press select to save the change, this should appear on screen as 11.893
- 4) Highlight the “Sym Rate” field and press select, using the remote enter 030000 and press select to save the change. This should appear on screen as 3.0
- 5) Highlight the “FEC Rate” field and press select, then press either the up or down arrows on the remote until 3/4 is displayed. Press select to save the change.
- 6) Highlight the “Polarization field” and press select, using the up or down arrow set the Polarization to H. Press select to save the change.
- 7) Highlight the “Network ID” field and press select, using the remote enter 00652 and press select to save the change. This should appear on screen as 652.
- 8) Highlight the “LNB Power” field and press select, using either the up or down arrows set this field to “18” and press select to save the change.
- 9) Highlight the “LO Freq 1” field and press select, and enter 10.750000 press select to save the change. This should appear on screen as 10.750
*Perform the above procedure for “LO Freq #2” and also set this to 10.750
- 10) Crossover field by default should be at 0.0
- 11) Highlight the “LO Select” field and press select, using either the up or down arrows on the remote set this field to LO1.

Question: Has everything up to this point been on the #2Preset/LNB Menu? If not at what point did we go back to a new and different Menu?

- 12) Highlight the “Exit” field and press select, you will see a pop up box appear asking to Save, highlight the yes box and press select.
- 13) This will put you back in the Main Menu screen, verify you have valid signal strength, and you should have a signal quality reading other than 0.
- 14) Highlight the “Exit” field and press select (this will exit the menu functions) press the up arrow until the channel 1 is displayed.
- 15) The receiver will need to be authorized. **Please call 1-888-488-6655 and have the UA number (printed on the rear panel of the receiver) recorded as this number will be required for the authorization process.**

If after installing the new equipment and connecting all cabling per the instructions and wiring diagram you require further assistance please call our helpdesk @ **1-866-488-6655**

