



Genesis TV Quick Install/Setup Guide

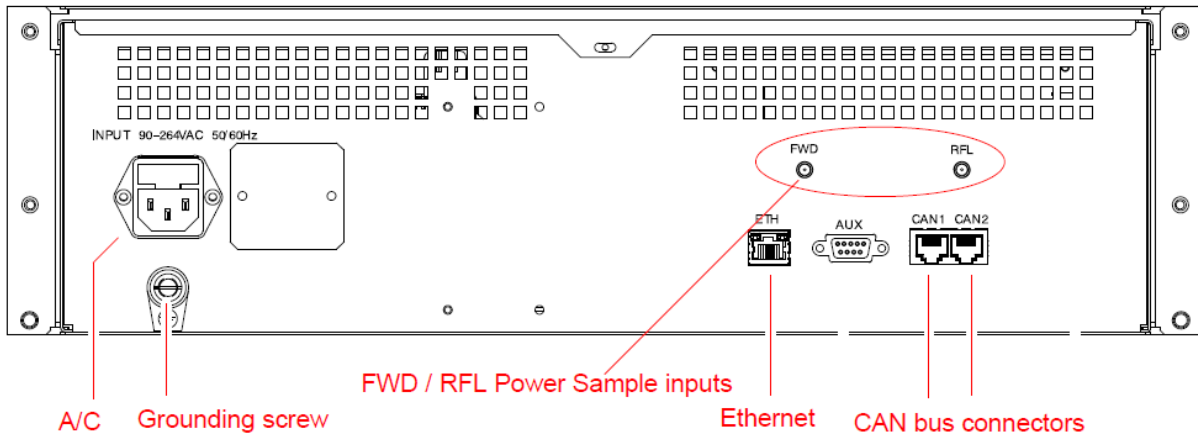
1. Wire up AC Power to the terminal block in the bottom of the cabinet



2. Install the Exciter and ECU in the transmitter rack.

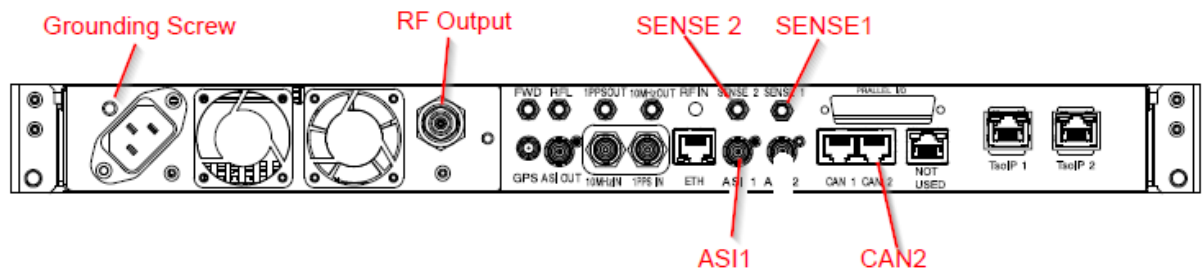


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CCU rear panel legend

3. Connect forward and reflected power samples from the directional coupler to the back of the CCU unit. The cables are numbered and match up to the numbers on the back of the CCU.
4. Connect Can buss cable to the back of the CCU unit. Cable and input are labeled.

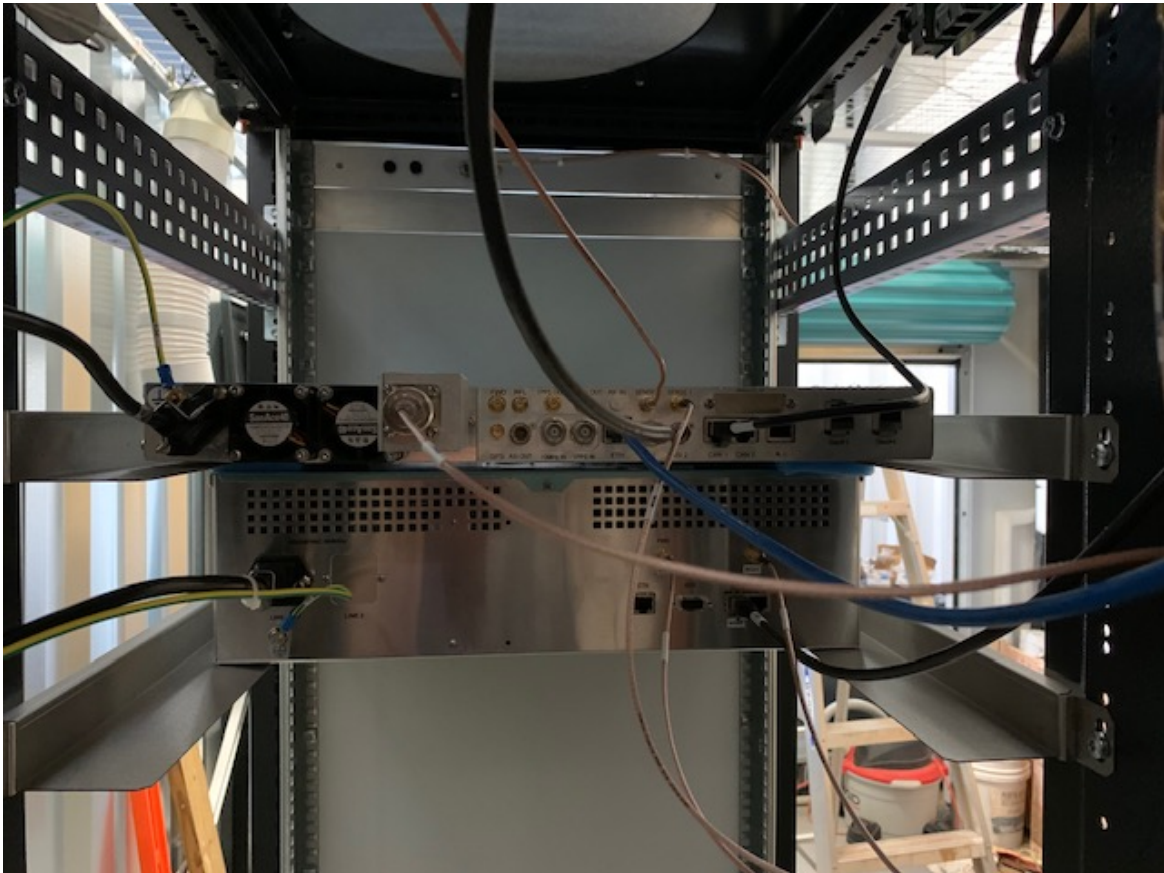


Exciter rear panel legend

5. Connect third sample cable from pre-filter directional coupler to the Sense 1 input on the back of the exciter. This is for non-linear correction.
6. Connect Sense 2 to post-filter directional coupler. This is for linear correction.
7. Connect the small filter to the RF output on the exciter.
8. Connect RF cable up to the output of the filter on the back of exciter.
9. Connect Green/yellow ground wires up to the back of the CCU and Exciter ground screws.
10. Plug power plug into the back of the Exciter and CCU units.



11. Plug Can bus cable from hub in upper right side of cabinet into the **CAN2** buss on back of exciter.



12. Plug in RF power modules into the front of the transmitter. The slots are labeled along with the RF modules.

13. Connect the RF output of the transmitter to the Large Filter input. Input is labeled on filter.

14. Connect directional coupler or flange on output of filter and then connect your antenna.

15. Connect Long SMA cable to SMA output on filter and then to sense 2 on the back of the exciter.
(There are slots on the top of the transmitter you can run them through)



16. Plug in your Data Signal to the AS1 input on the back of the exciter.
17. Plug in your ethernet connection to the ethernet port on the back of the exciter.
18. Connect Site Ground to the ground buss in the bottom left side of cabinet.
19. Inspect everything to verify all connections are tight and you have no loose cables or connections.
20. Turn on all breakers in the front of the transmitter. You will see the unit going through its startup.
21. Unit should be up and you should have no alarms present on the main screen.



General Operation

To turn on the transmitter

On the front of the CCU unit, select the local button (Yellow) to put it in local control mode. Then hit the Start button (Green) on the CCU and this will turn on the TX.

To Change Power Level

On the front of the Exciter, use the navigation arrows to navigate to remote mode. When there hit the ok button to select it. (When selected, there will be 2 small arrows flashing on each side of it) Change it to local mode. Navigate to RF Output power. This will be displayed in a % (Like 48%). Select it and either raise the percentage or lower the percentage to increase or decrease power. You will have to hit the ok button after adjusting the percent to see what power level you are at. Once done, on exciter navigate back to mode and set it back to remote.



To Connect to the unit over Ethernet

Make sure you have your ethernet cable plugged into the back of the exciter unit. Navigate on the front of the exciter screen to the IP window and capture the IP and Netmask address. On your computer, you will need to go under your network settings and change your IP address to something on the same network.

In the example of the IP screen shown above, the IP address is 010.000.012.098 and the Netmask is 255.255.255.0 so you will need to go into your computer network settings and change your address to 010.000.012.010 or something. The last digit must be different than what is in the Exciter. Set the Netmask to 255.255.255.0.

Open your browser and enter the exciter IP address and you should come to the exciter login screen. Enter the username and password.

Default Username: admin

Default Password: system

You should now be connected to the exciter and see the main page.

To Change the IP address of the exciter

Connect to the exciter as shown above. From the main screen, left click on the SYSTEM tab in the bottom corner to open it. This will open the system menu. Under the Admin section, you can select LAN and there you can change your exciter IP address. Once changed, you will be disconnected and must relog in. You will also need to change your computer network setting to be back on the same network you put the exciter on.



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