

3 X 11 Antenna Switch Hookup at PJ4G

Step #1

Unplug the antenna coaxes from the back of the remote station HamPlus AS-1202F antenna switch. See a picture below:



Step #2

Attach antenna coaxes that were plugged into the remote station antenna switch to the 3x11 antenna switchbox on the floor. The positions should correspond to the positions on the display box with the LEDs. Here is the common setup:

- 1 -- **160 meter antennas**
- 2 -- **80 meter antennas – Marked as 80 DIPOLE**
- 3 -- **40 meter beam**
- 4 – **Tri-15 20 meters** - Should already be connected. **Note the TR15 plugs into the Triplexer.**
- 5 – **Tri-15 15 meters**- Should already be connected. **Note the TR15 plugs into the Triplexer.**
- 6 – **Tri-15 10 meters**- Should already be connected. **Note the TR15 plugs into the Triplexer.**
- 7 -- **X19 tri-bander** - Fixed northwest
- 8 -- **C3E tri-bander** - Fixed south
- 9 – **TRI-7 tri-bander** - On 90 foot tower
- 10 -- Spare
- 11 -- Spare

Note the WARC7 and 6 meter beams can be connected into the spare positions on the 3x11 switch.

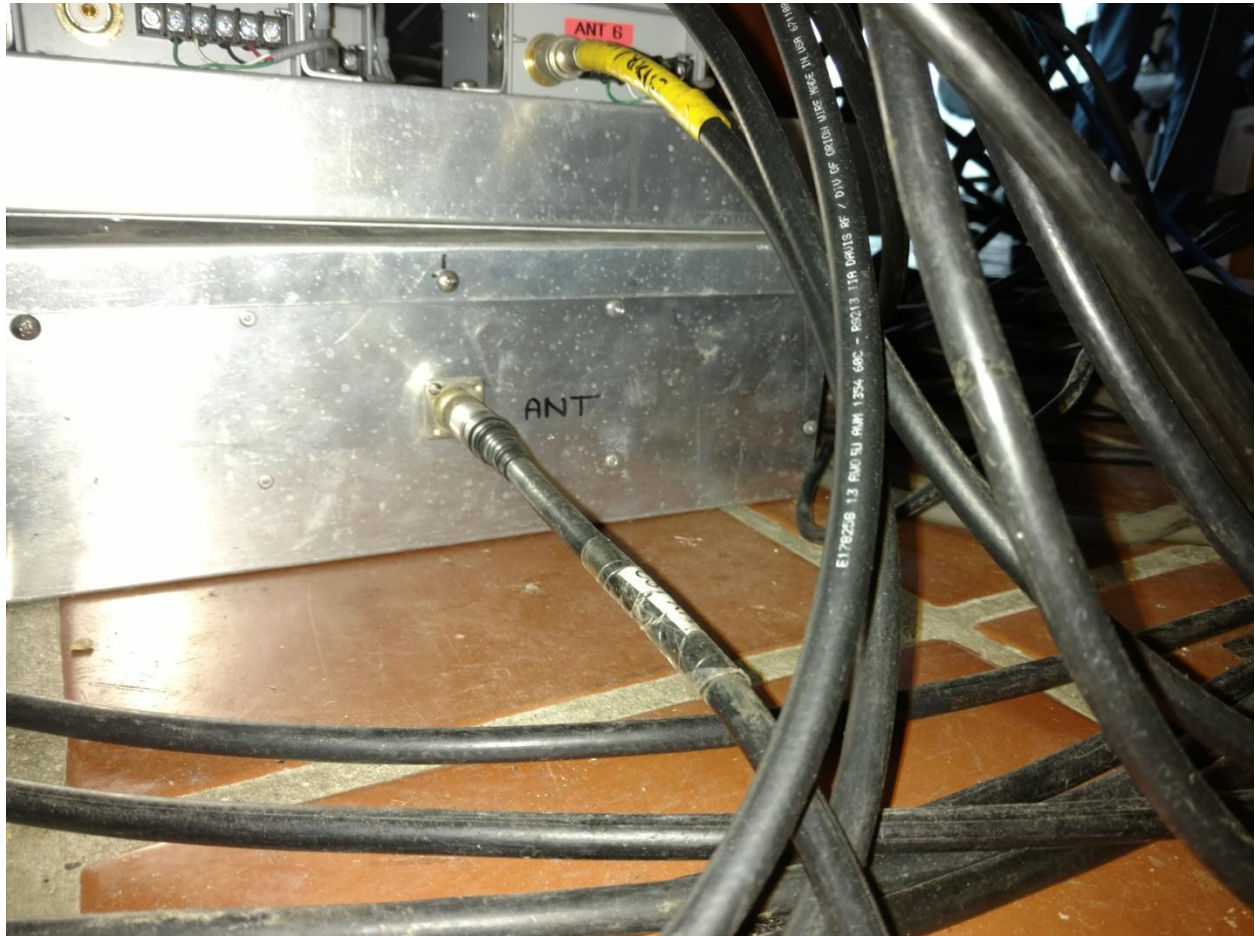
See picture below



Step #3

Triplexer

The triplexer is on the floor underneath the 3x11 antenna switch. The **TRI-15** tri-bander coax plugs in here. Coax marked as **TRI-15**. See picture below.



Step #4

Swap the Jones plug connectors from **Green Heron** rotors on the remote station to the back of the Yaesu antenna rotors on the operating table. There will be three of these that are marked for the 90 foot tower, 60 foot tower and the WARC tower. Make sure these are swapped back to the remote station before you leave.

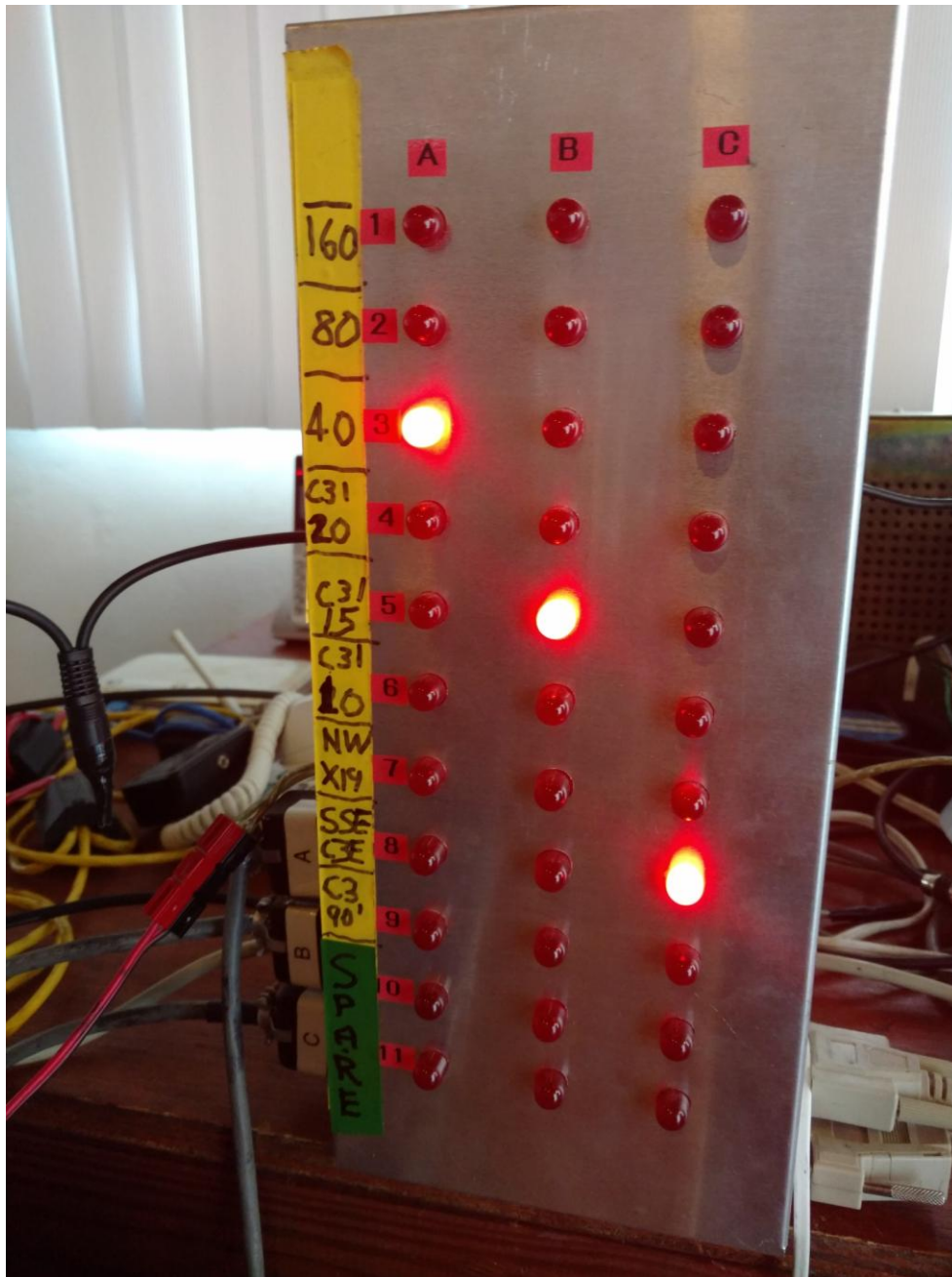
Step #5

Hookup connectors to 3x11 display box with LED's

A, B and C Jones plugs plug into the left side of the box

9 pin and 24 pin computer connectors connect in on the right side of the box. There is also a power cord with a Anderson power pole connector on it to connect to a 12 volt power supply.

See pictures below.







Step #6

Manual antenna switch at each operating position

The switches are marked and you will see the LED light up indicating the antenna you have chosen if it's powered up.

Station A is the operating position at the far left on the operating table.

Station B is the middle operating position.

Station C is the far right operating position on the table.

If an antenna is chosen it can't be used at the other two operating positions.



Note : If there seems to be a non-working position or control knob, DeOxit should be sprayed onto the Jones connectors and worked back and forth a few times.



Step #7

Each operating position has a power strip and power pole connector mounted to the back of the table. Under the table are ground wires to connect to the radio and amplifier.

