

The Yaesu FT70 is a great radio, however Wires-X operations are not immediately apparent but easy to do once you try it.

To get into Wires-X mode, rotate the top knob and select the memory channel for the Wires-X repeater. Depress the “F” key and then the “AWS” key. You will see “Wires” scrolling and hopefully it will connect. I’ve had to repeat the key sequence several times, but if the repeater can hear you, it does connect. The radio plays a three note alert and you will see the name of the repeater scrolling when linked.

Once you get connected, you will see the repeater call scrolling, in the “cl” field which indicates your link.

Rotate. The top knob counter clockwise and you will see the following fields:

- cl - linked repeater
- en - enter node number field
- c5 - memory 5
- c4 - memory 4
- c3 - memory 3
- c2 - memory 2
- c1 - memory 1
- c0 - memory 0
- cn - Connected node

When you are first linked to the repeater you will see cn field empty if the repeater is not connected, or a node name if it is already connected.

If you want to connect the repeater to a node:

Disconnect if already connected - hold “Band” button down. Repeat till disconnected.

Rotate to the en field and enter node number. Depress “AWS” button. Repeat till connected.

Note: the room cannot connect/disconnect if it is currently busy. So you must be persistent with very busy rooms like America Link!

Here are some popular node numbers:

- 21080 America Link Room
- 69328 Keystone Wide Room
- 21943 MinWis Fusion Room
- 40557 Ohio Link Room
- 21636 Texas Nexus Room
- 28941 Wolfden Room
- 85123 W3PLG Macungie Room
- 46361 SkyHub Link Room

There are many rooms available (https://www.yaesu.com/jp/en/wires-x/id/active_room.php)

Once connected, you can store the room into a memory by rotating the knob to the cn field, and depressing the desired number key (0-5) till it beeps. Seems like nothing happens but if you rotate the knob to that numbered memory, you should see the room name you stored.

Once stored, you can just rotate the top knob to the numbered memory and depress the “AWS” button to connect to that room.

The WA3PNY repeater is currently set to remain connected for an hour but any RF activity resets the timer to an hour. So if it's being used locally, it will stay connected for an hour after the local RF activity stops. Or you can disconnect when you are finished.

That's it in a nutshell — try it - don't be shy - that's what the repeater is there to do. I've jacked it up to 50 watts but the antenna (9 db gain) is low in Macungie. Of course none of this will work if the repeater can't hear you.

Let me know. I currently don't have a preamp installed but if we need one I'll order one.

W3PLG Macungie PA - 447.625 Output 442.625 Input - Fusion/Wires-X

WA3VHL Allentown PA - 147.225 Output 147.825 Input - Fusion/Wires-X

W3OI Allentown PA - 147.135 Output 147.735 Input - Fusion/Wires-X (soon)