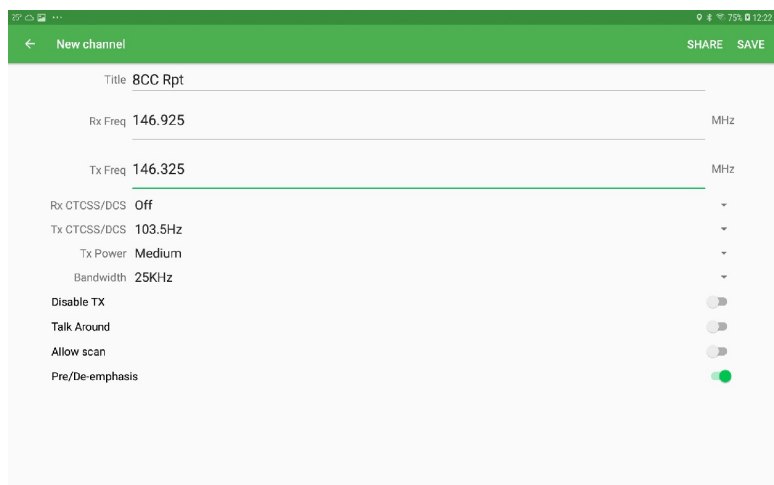


Vero VR-N7500 How to Set Up Network for Repeater Access

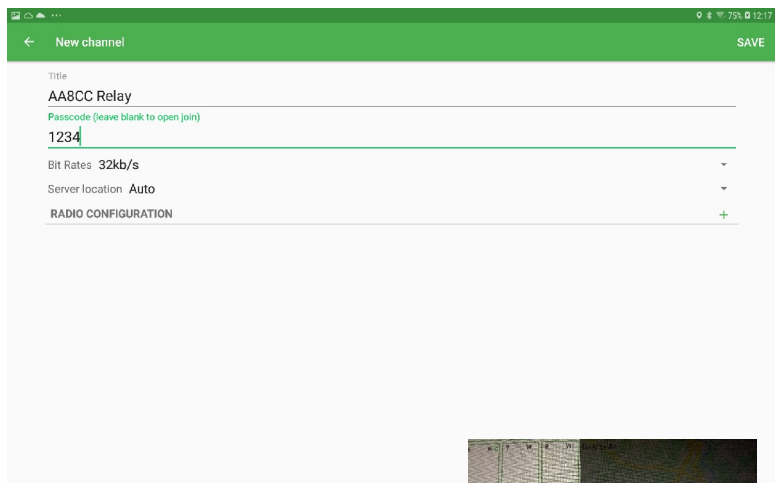
By Jeff Fritz, WB1AAL

Whether or not the following is according to Hoyle (how Vero Telecom expects us to do a network setup) or not, I can't say. However the following process worked for me to setup network access using the VR-N7500 from an Android smartphone to a local repeater.

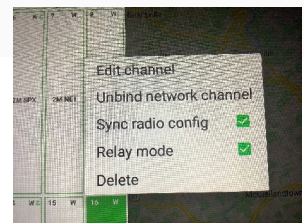
Step 1: On the VR-N7500 Memory page, create a new Memory Channel button for the repeater. Do this even if there is already a Memory page button for that repeater. Give it a unique and memorable name. Configure it in the same manner used for typical access the repeater. Include the repeater input and output frequencies, CTCSS tone (if required) and power level. Save the channel to the Memory.



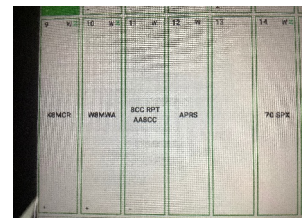
Step 2: Select Join Network Channel then Create new channel and give it a unique name. It would be a good idea to set up a passcode so that the repeater is not accidentally made available to anyone who happens to find the channel. Do not fill in the Radio Configuration section. Leave it blank. Save the new channel.



Step 3: Go back to the VR-N7500 Memory page. Do a long press on the dedicated channel button that was created in step 1. Bind the channel and long press the button again to enable Relay mode. Make sure that Sync radio config is selected. (It should be selected by default.)



The name on the button will change to include the Network name. (See the third button from the left.)



Step 4: Download and install the BS HT app to a second Android tablet or Android smartphone. (This ability doesn't seem to be supported in the current Apple HT app.) This is the remote device to be used over the Internet or a LAN to access the repeater. Do not bind it to the Vero VR-N7500 as that will confuse things. It might be a good idea to turn Bluetooth off in the second tablet or smartphone just to be sure.

Step 5: On the second (remote) tablet or smartphone, select Join network channel, then select Join existing channel. Find and join the channel that you created in step 2. It can be searched for by name in the app. Enter the passcode. This should allow the remote connection to become active. The repeater should now be reachable.

Notes:

I believe that this needs to be done individually for each repeater. It might make sense to set up a separate Memory page just for this purpose if a number of different repeaters are required for network access.

There is a time delay in the transmit and receive switching of the VR-N 7500. In addition, there is a delay in the audio in both directions, so allow some time when starting to transmit. It's a good idea to press the green transmit button on the remote tablet or smartphone and wait for a beat before speaking.

It might be better to have both the remote smartphone/tablet and the mobile device that connects directly to the VR-N 7500 on the same Wi-Fi network. This might help minimize audio drop outs.