Welcome to

VA7PWT NPR Program

New Packet Radio is the up-and-coming new wave of the old Packet system to modern day. I have developed not only a Packet Mail Program but this new add on to use the NPR System.

My intention is not to explain how or how to set up NPR. There are excellent examples on the internet about setting up the NPR system and the different units available.

I have used and recommend listening to the videos by The Modern Ham. You will find his information easy to follow.

I have my system set up at frequency of 433.300 and modulation of 22. If you are in any other country other than Canada, please check your Country’s Amateur radio regulations on New Packet Radio.

I hope you enjoy using it and look forward to any and all feed back.

Peter Tryon

VA7PWT

Let’s Get down to setting up my NPR Program

If you have not set up my Packet mail program, I suggest you download Ver 16.9 as it is for NPR Use. Ver 16.8 is strictly for the old Packet System.

1. Install VA7PWT Telnet Server Program (**Note** Ensure it is in the same directory as the VA7PWT Packet Mail Ver 16.9). This just makes it easier when it comes to setting up Packet Mail in the settings to access VA7PWT Telnet Server.
2. Open Packet Mail and click on settings tab.
3. Follow the directions for setting up Packet Mail. The only difference is there is an NPR directory.
4. After the setup of the Packet Mail program, run the program until you get to the main Menu.
5. Click on the Communication tab. This will bring you to where you can initiate all your Modems and Packet programs.
6. Please see insert of Communication Form

A screenshot of a computer

AI-generated content may be incorrect.

1. Here you can pick which modem to use with your packet system and run NPR. I have also included links to other well used system. You must have these loaded onto your computer to run them.
2. As you can see there are two buttons for sending your Message. Your choice.
3. You have two ways of using the NPR program. You can access it from the Main Menu to enter the NPR program, or you can access it from here to send your message. Your Choice.

**Please see the following Picture of the NPR Telnet Server**

The VA7PWT NPR Packet Mail Portal

A screenshot of a computer screen

AI-generated content may be incorrect.

1. **Your Station ID.** – This is the call sign of your NPR Client

2. **Enter callsign and IP address of Stations to save**. These will be the stations you will see that are available by using the WHO button or if you prefer the PUTTY connection. To enter the information ensure it is entered Callsign-then the IP address. Ensure the – is between the call sign and the IP address. Then click the add button. As you can see in the picture VA7PWT-192.168.0.10

3. **IP Adress sending To-** By clicking on the addresses you wish to send to from the saved address, this will populate this.

4. **The Alt/Tab**- works the same as it does in the Packet Mail Program. Please read the documentation for the Packet Mail Program.

5. **Return to Packet Mail** - This will take you back to the Packet Mail Program if you have it running.

6**. Close Program**- This will shut the program down.

7. **Send Packet Mail Message-** Ensure you have picked the IP address to send to. Ensure you have a message waiting to be sent in the Packet Mail Program. Click Send Packet Mail and it will send your mail to the station you have selected. The receiving station will be notified of the reception of the message in the Packet Mail Program

**Chat Section**

I included a Chat portion so you can just chat message back and forth if you wish. Nothing is saved.

To Chat

1. Click on the station you wish to chat to from your saved file.
2. **Chat Connect**- This will start the Chat. The station you are calling (if their sound is on) will hear **Incoming connection**. Start your chat.
3. **End Chat**- This will disconnect you and reset both yours and theirs back to listening mode.
4. **Clear Chat Send**-This will clear the Send Screen
5. **Clear Chat Receive**- This will clear the Receive Screen
6. **Clear Message Send**- This clears the Mail Message and chat Sending Status Screen
7. **Clear Connection Status**- Clears the Connection Status Screen

**Other Buttons**

1. **Check Portal Status-**This will check to see if the port has reset. Windows takes up to 60 seconds to close a port after it has been closed. So note, I have found if I wait 45 to 60 seconds the port is usually reset and you can then either do another chat connect or send another Packet Mail. Watch the Connection Status when you use the chat or mail ,It will show you are connected.
2. **Reconnect to last IP-**If you are cut off from your Chat then wait 45 to 60 seconds and hit the reconnect .
3. **Sound –** Check box checked-sound on unchecked sound off. ( note- if sound has been turned off or on in the Packet Mail program you may have to check your speaker icon at the bottom on the task bar and see if it is x or not)

**Modem Control**

1. **Enter NPR Modem Command-** Enter the NPR command that can be found in your NPR setup manual. (Eg. Display Config.)
2. **Connect to modem-**This starts your connection to your NPR Modem
3. **Enter-** Either use the button or you can just press the Enter Key on your computer. This sends the command to the Modem. You will see the information in the **Connection Status** Window
4. **End Connection-** This ends your modem connection