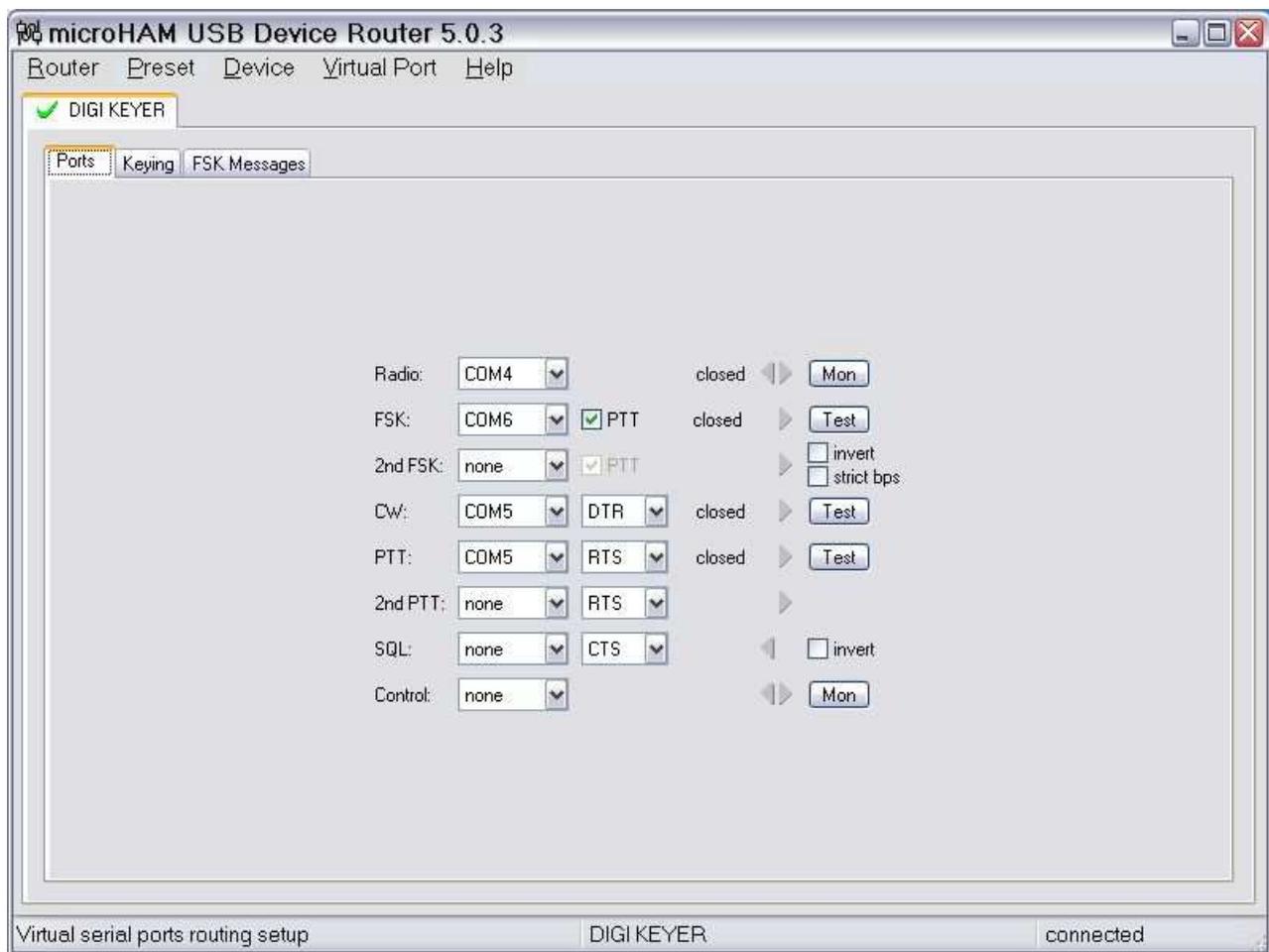# DigiKeyer and Hamscope setup guide

Router setup:

Note: The absolute port numbers do not matter. The key is consistency - the same port number must be used for a specific function every time it is used.
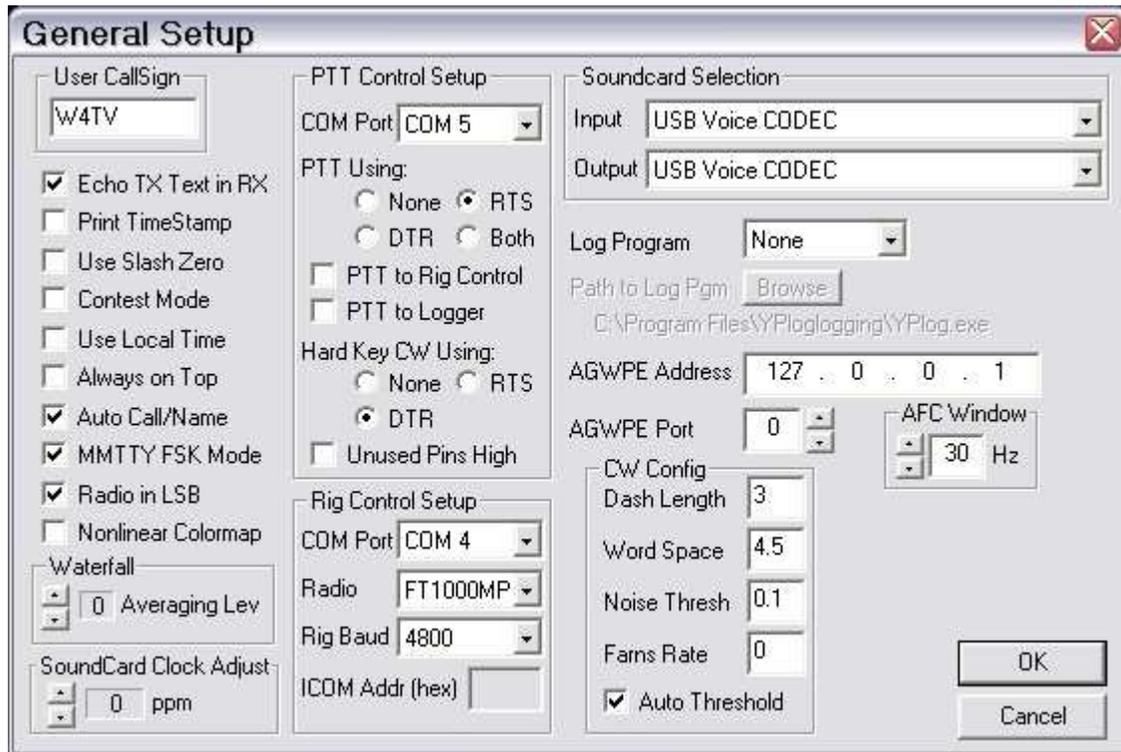
1. Assign a virtual port for radio control.

2. Assign a port for CW.

3. Assign the same port for PTT as you used for CW.

4. Assign a port for FSK – check the PTT box. If your radio does not support FSK or you will be using AFSK, you can skip this step.

5. Save the settings to a preset by selecting menu **Preset | Save as.** Choose a position and name it Hamscope.
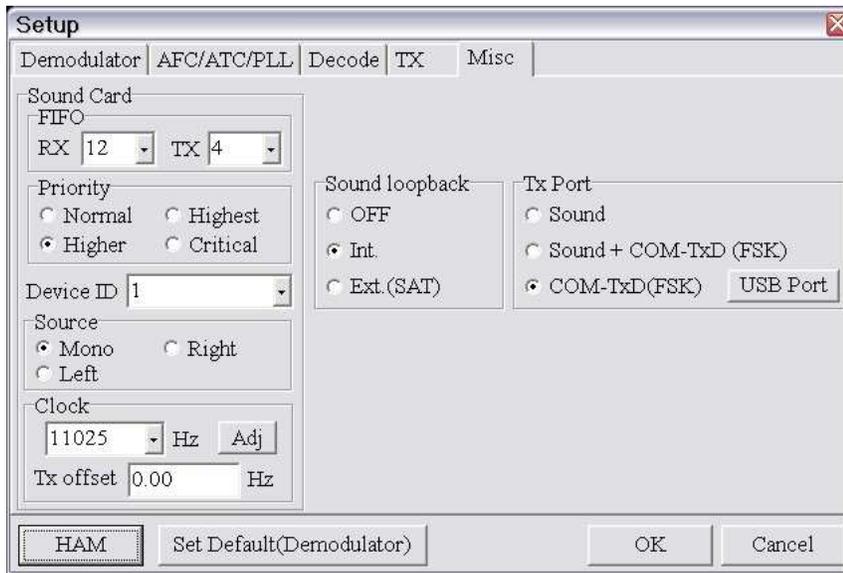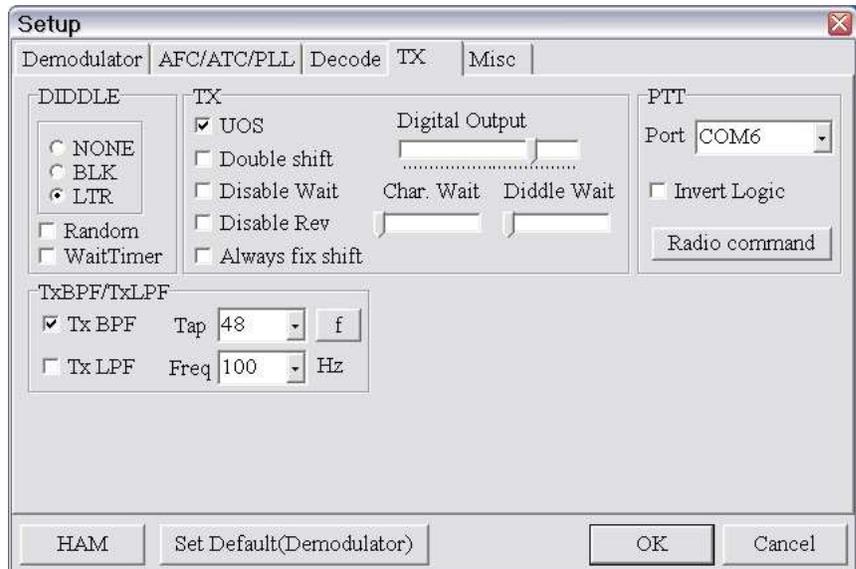
Hamscope setup:

1. Click **Settings | General Setup** …

2. If you intend to use FSK with MMTTY check the "MMTTY FSK Mode"

3. Set the COM Port in "PTT Control Setup" to the virtual port you selected for CW and PTT in Router.

4. Set "PTT Using" to RTS

5. Set "Hard Key CW Using" to DTR

6. Set the COM Port in "Rig Control Setup" to the port you selected for Radio Control in Router. Select your radio and set the data communications (Rig Baud) as required by your radio.

7. Select "USB Audio CODEC" for the Soundcard input and output

8. Click OK to save the settings

MMTTY setup:

1. Select RTTY mode on Hamscope's main screen.

2. Click the **Options** button.

3. Select the **TX Tab ...**

4. Select the Port you configured for FSK on Router's Ports Tab in the PTT box.

5. Choose the **Misc Tab.**

6. Select Source **Mono**

7. Set Clock **11025**

8. Select the proper sound card **Device ID**

9. To obtain the proper ID, click **Get ID** button on Router's **Keying** tab.

10. Select COM-TxD (FSK) for the TX Port.

    If you want the option to switch between AFSK and FSK, select Sound + COM-TxD (FSK)

11. Click **USB port** button and choose **C: Limiting speed**

12. Click "OK" to return to the Misc tab.

13. Click "OK" to save the settings and return to Hamscope's main screen.