

# microKEYER and DX4Win setup

## 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 the radio control virtual COM port.
2. Assign a port for WinKey
3. Assign the same port for PTT as you used for Control

The screenshot shows the 'RADIO' settings window in the microKEYER software. The window has three tabs: 'Ports', 'CW / WinKey', and 'CW Messages'. The 'RADIO' section contains the following settings:

Function	Port / Setting	Status	Action Buttons
CAT	COM4	closed	Set
2nd CAT	none		
CW	none		DTR (dropdown), Test
PTT	COM4	closed	RTS (dropdown), Test
WinKey	COM3	closed	Test, Mon
Control	none		Mon

4. Save the settings to a preset by selecting **Preset | Save as**. Choose a position and name it DX4Win.

## DX4Win setup:

1. Click **File | Preferences** to open the Setup Preferences notebook ...

The screenshot shows the 'Setup Parameters' dialog box with the 'Radio' tab selected. The 'Radio' section has fields for 'Type' (Yaesu FT2000-U8c), 'Address' (00), and 'Baudrate' (4800). There are checkboxes for 'Default' under both 'Address' and 'Baudrate'. Below this is a text area for 'Notes for radio' containing 'Modified by ON4AOI and K2RD'. The 'COM Port' is set to 'COM4', 'Poll rate (ms)' is '500', and 'Max tries' is '6'. There are checkboxes for 'DTR high' (checked) and 'RTS high' (unchecked). The 'Second Radio' section has 'Type' set to 'None', 'Address' (00), and 'Baudrate' (0). It also has 'Default' checkboxes and a 'Notes for radio' text area. The 'COM Port' is 'COM1', 'Poll rate (ms)' is '500', and 'Max tries' is '6'. On the right, a vertical list of tabs includes 'Personal', 'Station', 'QSO', 'Screen', 'Import', 'Radio' (highlighted), 'Control', 'CW', 'Packet1', 'Packet2', 'RTTY', 'Ext Data', 'F2 Key', 'DXCC', 'WAS', 'WAZ', 'WPX', and 'Rep/Lab'.

2. Select the Radio page and assign your radio. Assign the radio to the virtual COM port you used in Router's Ports tab
3. Set the Baudrate required by your radio.
4. For Icom and certain TenTec radios, set the CI-V address.

5. Select the CW page
6. Select WinKey as the CW Device type
7. Set the virtual port you chose for WinKey on Router's Ports tab for the External Keyer.
8. Set the virtual port you chose for Control and PTT on Router's Ports tab for PTT control. Select PTT control for the RTS line.

The screenshot shows the 'Setup Parameters' dialog box with the 'CW' tab selected. The 'Device type' is 'WinKey' and 'Radio 1/2 signal' is 'None'. The 'Software CW keying / PTT control' section has 'Interface' set to 'COM4', 'PTT delay' set to '10', 'DTR line' set to 'None', and 'RTS line' set to 'PTT control'. The 'External keyer' section has 'Port' set to 'COM3'. On the right, the same vertical list of tabs is shown, with 'CW' highlighted.

**WinKey Configuration**

Keyer Mode	Pin 5 config	Priority	Hang time
<b>Iambic A</b>	<b>5=PTT</b>	<b>Normal</b>	<b>1.00 ws</b>

  

Mode register	Weight	KComp
<input type="checkbox"/> Swap	<b>50</b>	<b>0</b>
<input type="checkbox"/> Auto space	<b>0</b>	<b>0</b>
<input type="checkbox"/> CT space	<b>10</b>	<b>0</b>
<input type="checkbox"/> Paddle dog	<b>0</b>	<b>0</b>
<input type="checkbox"/> Paddle echo	<b>0</b>	<b>55</b>

  

Side tone	Immediate	Show func keys
<b>752 Hz</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

  

FarnsW	Lead-in	Tail	Ratio
<b>0</b>	<b>0</b>	<b>50</b>	<b>50</b>

☒ OK
 ☐ Cancel

9. Open the CW Keyboard (ALT-K)

10. Open the CW Keyboard settings (ALTS)

11. Configure the settings you prefer for CW operation including weight, PTT or QSK operation, etc.

It is generally most convenient to make the CW parameters the same as you have set on Router's CW/WinKey tab.