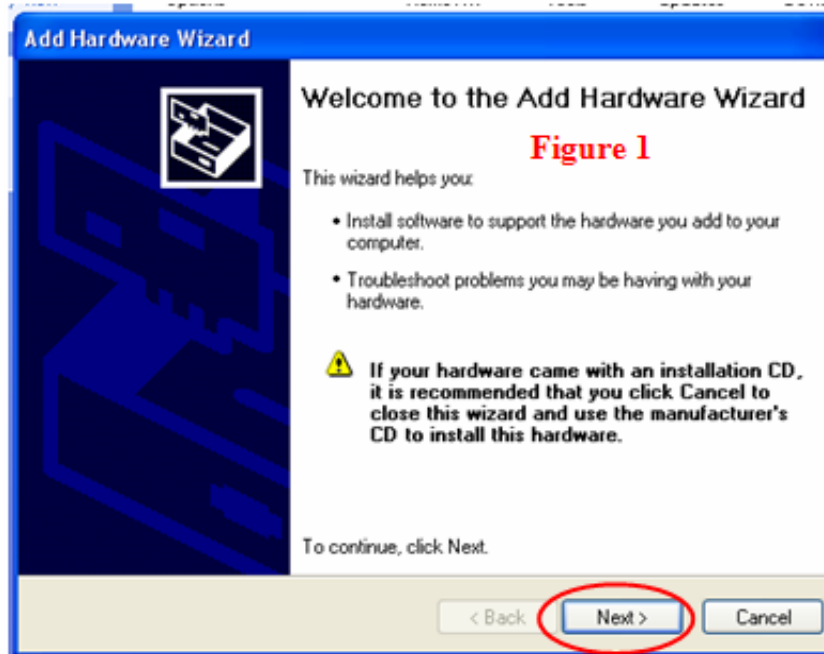# Mixw / UI-view

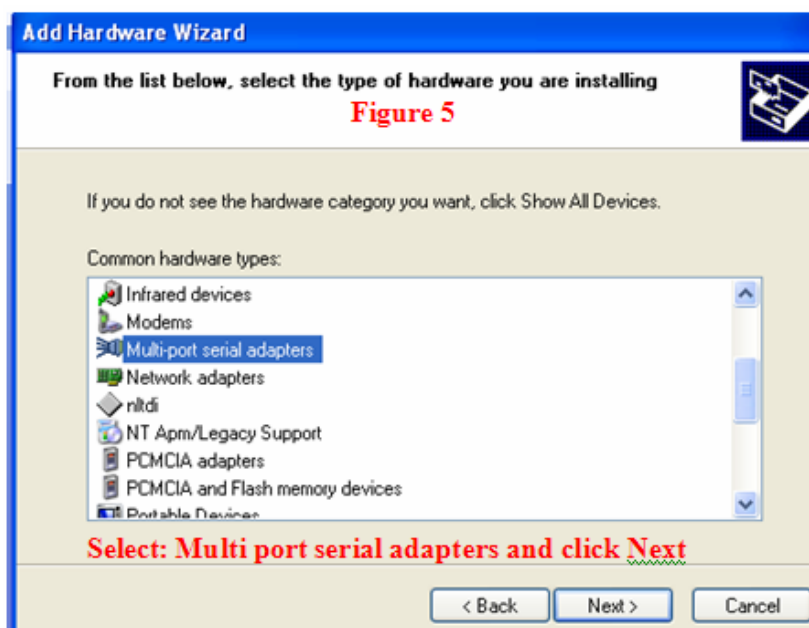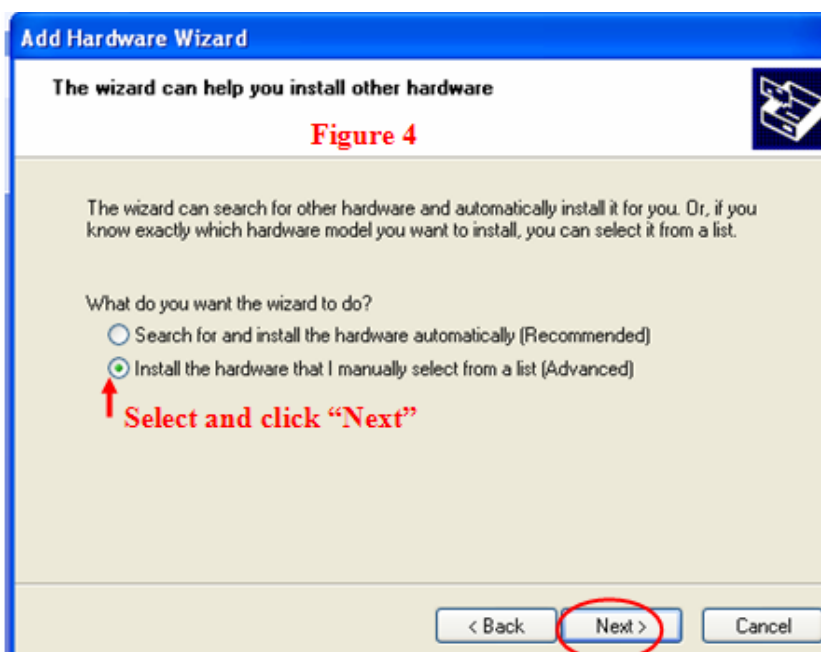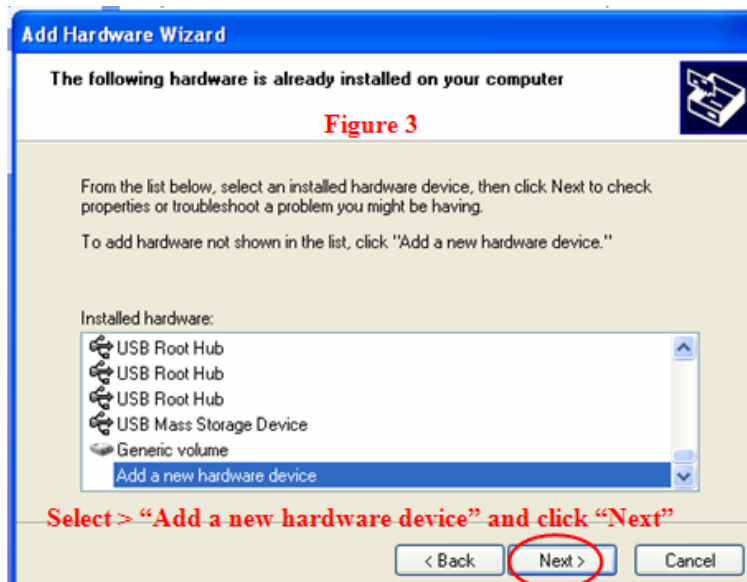From http://www.mixw.net/index.php?j=related down load the ComEmulDrv3.zip and unzip it to a file that you can find it easy.
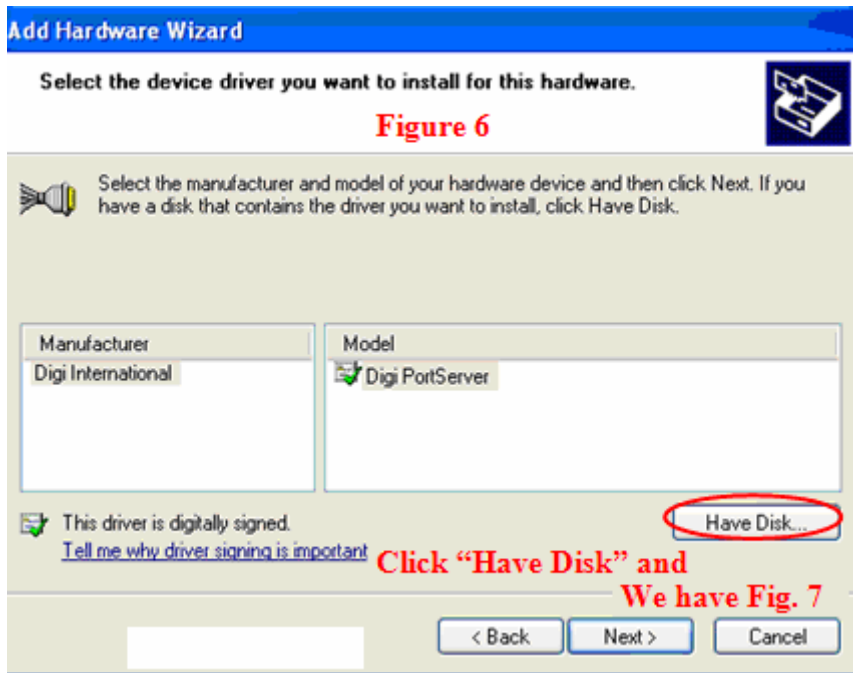
Click > Start> Control panel> if your Windows XP is not in "Classical form" then (at left) click at "change in Classical View" and open File "Add hardware", appear the pane Figure 1:
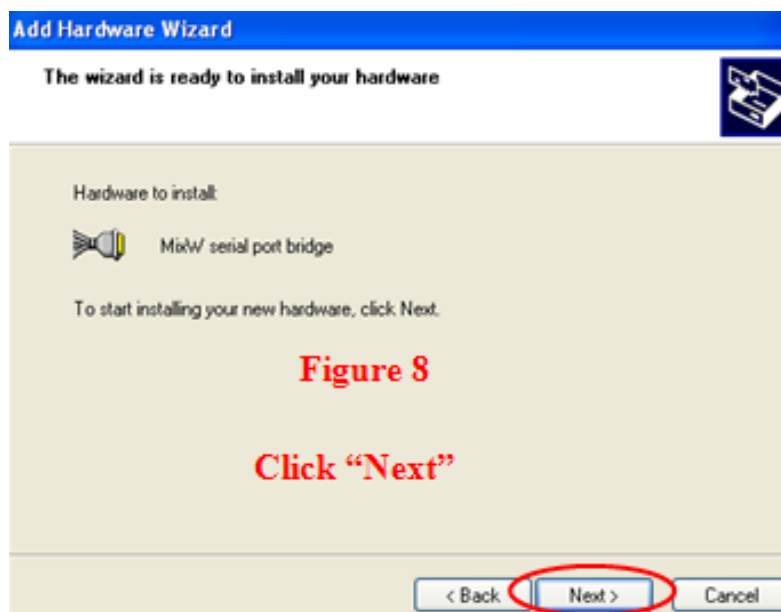

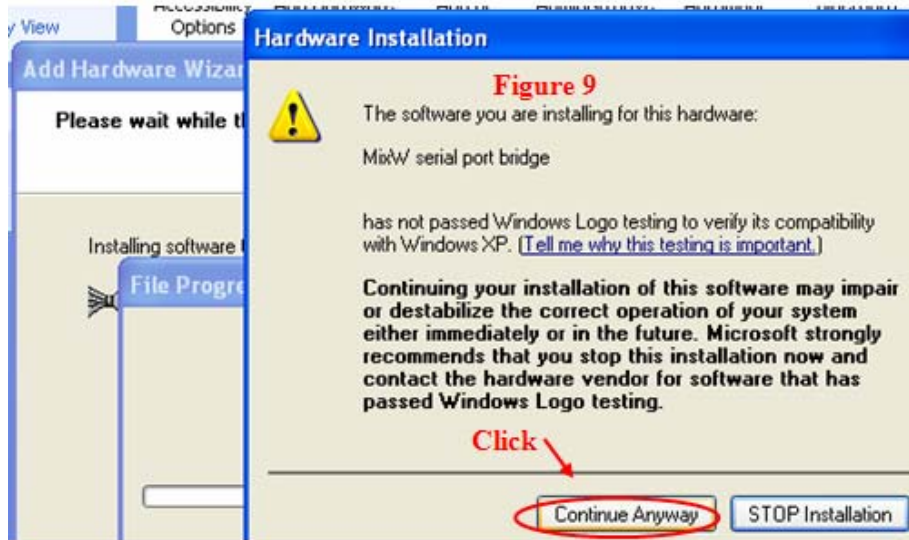Click Next and we have figure 2

Add Hardware Wizard

The following hardware is already installed on your computer

Figure 3

From the list below, select an installed hardware device, then click Next to check properties or troubleshoot a problem you might be having.

To add hardware not shown in the list, click "Add a new hardware device."

Installed hardware:

- USB Root Hub
- USB Root Hub
- USB Root Hub
- USB Mass Storage Device
- Generic volume
- Add a new hardware device

Select > "Add a new hardware device" and click "Next"

[< Back] [Next >] [Cancel]

Add Hardware Wizard

The wizard can help you install other hardware

Figure 4

The wizard can search for other hardware and automatically install it for you. Or, if you know exactly which hardware model you want to install, you can select it from a list.

What do you want the wizard to do?

○ Search for and install the hardware automatically (Recommended)

● Install the hardware that I manually select from a list (Advanced)

Select and click "Next"

[< Back] [Next >] [Cancel]

Add Hardware Wizard

From the list below, select the type of hardware you are installing

Figure 5

If you do not see the hardware category you want, click Show All Devices.

Common hardware types:

- Infrared devices
- Modems
- Multi-port serial adapters
- Network adapters
- nltdi
- NT Apm/Legacy Support
- PCMCIA adapters
- PCMCIA and Flash memory devices
- Portable Devices

Select: Multi port serial adapters and click Next

[< Back] [Next >] [Cancel]

Figure 6

Select the device driver you want to install for this hardware.

Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

Manufacturer	Model
Digi International	Digi PortServer

This driver is digitally signed.
Tell me why driver signing is important

Click "Have Disk" and
We have Fig. 7

Install From Disk

Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.

Figure 7

Click "Browse" and you have to find the File that
you have extract the "ComEmulDrv3"

Copy manufacturer's files from:
A:\

When find the program click "**Open**" and appear Figure 8 and click **"Next"**

Add Hardware Wizard

The wizard is ready to install your hardware

Hardware to install:

MixW serial port bridge

To start installing your new hardware, click Next.

Figure 8

Click "Next"

Figure 9

Figure 10

Click

To close this wizard, click Finish.

And close all

Configuring Ports

Right click on "My **Computer"** and click "**Manage"** we have figure 11

Figure 11

Select: "Device Manager" and this column opens as figure 12

Multi-port serial adapters open:

And we have Figure 14

Figure 14

Select "Properties" tab
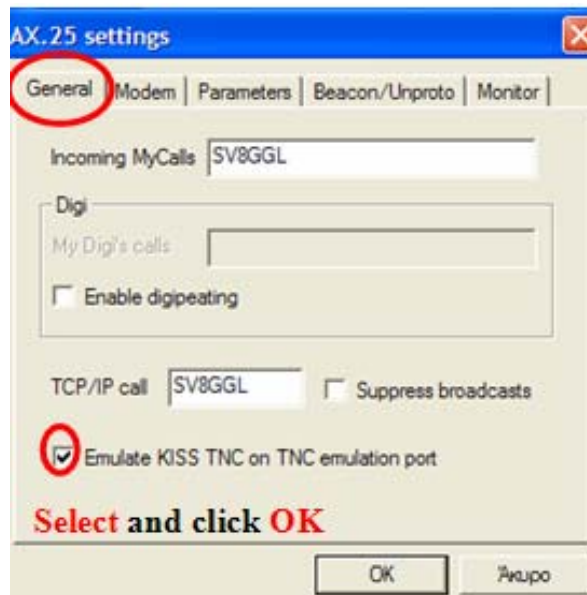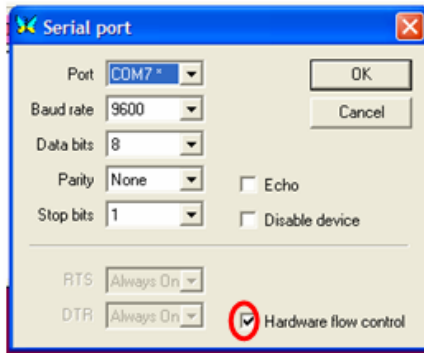
And **REBOOT** the PC

Setup MixW and UI-View

Open MixW in Packet mode. Select mode > Mode Settings.

Note: The settings that we have "Configure > TRCVR CAT/PTT we leave these as they are working very well
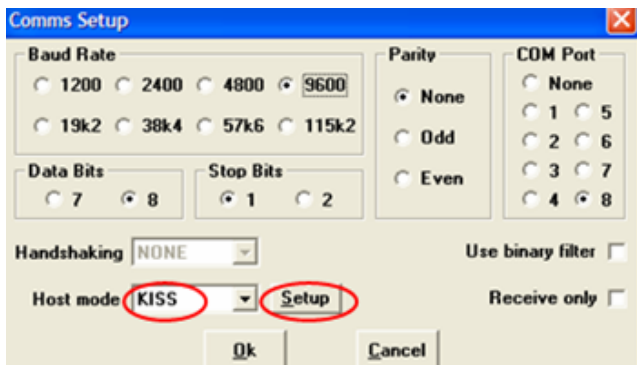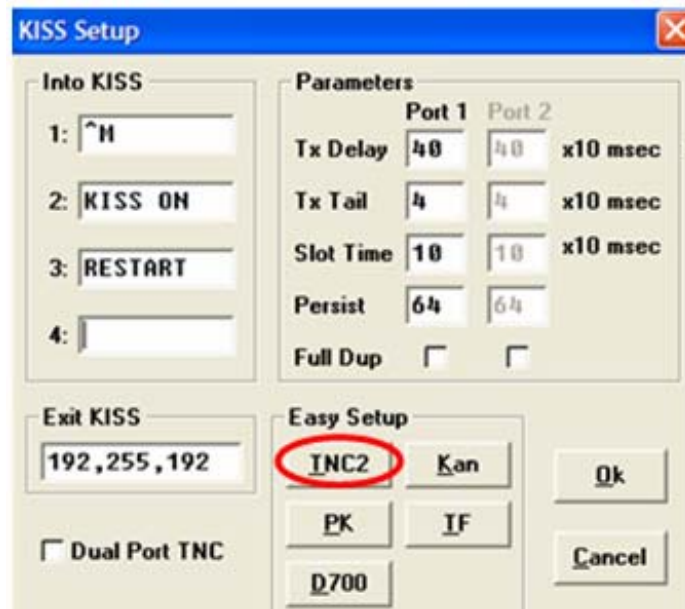
Select **Configure > TNC emulation**

Serial port

Port: COM7 *

Baud rate: 9600

Data bits: 8

Parity: None

Stop bits: 1

☐ Echo

☐ Disable device

RTS: Always On

DTR: Always On

☑ Hardware flow control

OK

Cancel

Port = same number that we choose
Figure 14 for MixW.
Baud rate = UI View accepts up to 115K
Data bits = 8
Parity = None
Stop bits = 1

Hardware flow control = always ☑

Close MixW and open UI-View

UI-View > Setup > Comms Setup

Comms Setup

Baud Rate
○ 1200 ○ 2400 ○ 4800 ◉ 9600
○ 19k2 ○ 38k4 ○ 57k6 ○ 115k2

Parity
◉ None
○ Odd
○ Even

COM Port
○ None
○ 1 ○ 5
○ 2 ○ 6
○ 3 ○ 7
○ 4 ◉ 8

Data Bits
○ 7 ◉ 8

Stop Bits
◉ 1 ○ 2

Handshaking: NONE

Host mode: KISS Setup

☐ Use binary filter
☐ Receive only

Ok Cancel

Baud Rate, Parity, Data Bits, Stop bits,
= select the same as MixW pane.
COM Port = select port as we choose in
Figure 14 for UI-View
Host mode = select Kiss
Click button Setup

KISS Setup

Into KISS
1: ^M
2: KISS ON
3: RESTART
4:

Parameters

	Port 1	Port 2	
Tx Delay	40	40	x10 msec
Tx Tail	4	4	x10 msec
Slot Time	10	10	x10 msec
Persist	64	64	
Full Dup	☐	☐	

Exit KISS
192,255,192

☐ Dual Port TNC

Easy Setup
TNC2 Kan
PK IF
D700

Ok

Cancel

For **Easy Setup** click button **TNC2.**
Click OK, OK

OPERATE APRS on 2 meters

1) Transceiver **FM** on 144800 (region 1), open MixW in **Packet** mode, we appear **Mode Setting, click Modem** tab and we select **VHF 1200 baud (standard, 1200/2000 Hz).**
2) MixW down at **Start bar,** and
3) open UI-View and as soon as possible we transmit information those we have at UI-View> Setup> Station Setup.

OPERATE APRS on HF

1) Transceiver SSB.
2) Open MixW in **Packet** mode, we appear **Mode Setting; click Modem** tab and we select **HF 300 baud (200 HZ shift),** then same as VHF.

Note:

From www.mixw.co.uk/aprs/aprs.htm we can find APRS maps for all over the world.

center HF APRS frequency						
80m	40m	30m	20m	17m	15m	10m
3615	7035	10149.25	14101.25	18102	21117	29250
10m - FM mode 1200 baud shift 1200/2200						
HF - USB/LSB 300 baud shift 200Hz						