

**CW DEcoder v.2.77 Setup For Kenwood TS570D**  
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The equipment consists of:

Kenwood TS-570D Transceiver  
RIGblaster pro Digital Interface  
Dell Computer

This software was designed by WD6CNF (Grant Connell) to allow you to see, hear, and display incoming CW signals as text and to transmit CW using a serial or printer port on your computer.

Download the software (CW Decoder XP) from:

<http://www.ac6v.com/morseprograms.htm>

The software runs on Windows95, Windows98, WindowsME, WindowsXP, and Windows2000 operating systems. I have not tested it with Windows Vista.

This document describes the setup and use of computer, software and transceiver. It is assumed that the Kenwood TS-570D and RIGblaster pro digital interface is installed and working.

Radio Setup:

Turn the Kenwood transceiver "On".  
Set the Kenwood transceiver mode to "CW".

## Computer Setup:

Your computer should be at least a Pentium 166 MHz in order to use this program. These instructions work with Windows XP:

Go to "Start", "Settings", Control Panel and click on "Sounds & Audio Devices"

The "Sounds and Audio Devices Properties" window will open

Click on "Advanced"

The "Volume Control" window will open

Click on "Options"

Click on "Properties"

The "Properties" window will open

Click on "Recording"

Click on "OK"

The "Recording Control" window will open

If there is not a checkmark in the box "Line In", click on the box to insert the needed checkmark. If there is a checkmark in the box, continue as follows. Optionally, you can also use the box "Microphone" and in fact this is what the program expects, but "Line In" works just as well.

Click on the "X" in the upper right corner of the "Recording Control" window

Click on the "X" in the upper right corner of the "Sounds and Audio..." window

Click on the "X" in the upper right corner of the "Control Panel" window

You must select a working output port for the computer's output CW transmission to occur. The software defaults to output port "None" until you select the port you wish to use. You can use any of eight serial ports or one of two printer ports to communicate between the computer and transceiver. My setup uses the computer serial port 1 for output. You can use a USB to serial port adapter.

## Software Setup:

Install and run the software. Set the various CW Decoder menu options:

### File

Save Rcv	Use if needed
Save Xmit	Use if needed
Load Xmit	Use if needed
Volume Control	Use if needed
Quit	Use if needed

### Options

Input	Select "Mic"
Display	Select "Line"
Threshold	Select "Auto"
Noise Filter	Select "Off"
Fade Control	Select "Off"
Output Port	Select "Serial Port 1"
Stay on Top	Select "Off"
Messaging	Select "Always OFF"

AFC Set to "Narrow"

### Text

Case	Set to "Lower"
Type	Set to "Normal"
Size	Set to "Normal Font"
Spaces	Set to "On"
Prosigns	Set to "Enable"
Non English	Set to "Disable"

TimeLine Enable if needed

### Transmit

Sidetone Set to "Off"

Help Use as needed

The "Receive Text Window" is the second window from the top. This window displays decoded CW signals if the "Text" mode of operation is selected. This selection "Text" is found in the "Op Modes" section of the main screen.

The "Transmit Text Window" is the third window from the top. This window displays text that is being transmitted.

Many of the keys displayed on the screen are self explanatory.

In order to be able to Transmit CW, you must click on the "Xmit Enable" box located near the bottom right of the main screen.

The "Xmit Speed" control slider sets the code speed from 5 to 40 wpm.

There are ten (10) macro (memory) keys located below the "Transmit Text Window". You can create and retain specific text using these macro keys.

If you have the "XMIT" button turned on, you can use the Function Keys (F1 to F10) to transmit the text you store in the M1 to M10 memory locations

Another method is to click on the "RECALL" button and then a memory key and the text associated with that memory key will be displayed in the "Transmit Text Window". Click on the "SEND" button and the displayed text will be transmitted.

Pressing the "Esc" key will terminate any transmission and you will be placed in the receive mode.

You can also select "IMM" for text to be sent as typed character by character or "SCN" and text will be sent all at one time. These keys are located to the right of the Memory keys.