

Welcome to NuMorse

This program is a Morse Code training aid. Proficiency in sending and receiving Morse code is a requirement for Amateur radio licenses in most countries. Many people find that receiving Morse code at any speed is more difficult than sending it. This program is designed to help by providing a source of accurately generated code which can as slow as required in the early stages. Once basic proficiency is obtained the speed can be gradually increased up to and beyond the level required by the regulations in your country.

To start the program double click on the program icon and the program main menu window will appear. On line help is available, here is how you access it from the Main menu:

Press F1. **OR**

Press Shift+F1 to obtain the help cursor, click on any menu item. **OR**

Select an item from the Help menu.

Help is also available from most dialog boxes by left clicking on the HELP button, or by pressing F1.

The international Morse Code

The three fundamental elements are the dot, dash and space. Dots and dashes are short and long signals respectively, with respect to a time interval called a unit pulse. A dot occupies one unit pulse while a dash occupies three unit pulses. The space between each dot or dash is one unit pulse. The pause between characters is three unit pulses while the pause between words is seven unit pulses.

When interpreted orally dots are pronounced "DIT" while dashes are pronounced "DAH" . So to say the morse code for letter "L" you would say "Dit Dah Dit Dit". Try conversing with a friend in a public place, but watch out for the men in the white coats...

Letters:

A	.-
B	-...-
C	-.-.
D	-..
E	.
F	..-.
G	-.-
H
I	..
J	.----
K	-.-
L	.-..
M	--
N	-.
O	---
P	.-.-
Q	-.--
R	.-.
S
T	-

U .-
V ...-
W .-.-
X -.-.-
Y -.-.-
Z --..

NUMBERS

1 .-...
2 ..-...
3 ...-...
4 -
5
6 -....
7 --...
8 ---..
9 ----.
0 -----

PUNCTUATION ETC.

(Some of the following have no equivalent character in the ASCII set)

Period .-.-.-
Comma .-.-.- --.-.-
Question ..-.-.
Error
Double dash -.-.-
Colon -.-.-.
Semicolon -.-.-.
Parenthesis -.-.-.-
Fraction bar -.-.-.
Wait .-.-.-
End message .-.-.-
End session ...-.-

SAMPLE QSO's

A source of sample QSO's can be found in the files associated with the excellent DOS based program Morse Academy which is downloadable from CIS. MA will initialise various sample QSO files when it first runs; the ones to use as source files for NuMorse have file prefix .KB.

tone GENERATOR

The tone generator does NOT use the new MCI based calls provided with Windows 3.1. If enough support is given then I may spend some time adding an option to support MCI calls so that you can then use your favorite sound board with NuMorse. In the meantime bear in mind that most of the PC speaker drivers used with Win 3.1 to emulate a sound board disable the "obsolete" Win 3.0 API sound calls, preventing NuMorse from working. So if your copy of NuMorse seems to be mute then removing the PC speaker driver may solve the problem.

Finally...

The source for this program is written in Turbo Pascal for Windows by Borland with some help from TeamB on CompuServe's BPROGA forum. The purpose was to learn Microsoft Windows programming by writing a not too ambitious application, I hope you like the result.

Find me on CompuServe 100030,157

Best Wishes,

Tony Lacy, G4AUD, February 1993