

MORSE99 for Palm/PocketPC

Thank you for buying this Morse Code Tutor. It has been written primarily as an aid to pilots studying to pass their CAA Morse Code Test. However for others and as an extra challenge to pilots, it also includes optional instruction on numbers and simple punctuation; additionally it allows you to select Lamp (a silent mode) which has the added benefit of not driving others around you insane!

The great advantage of this medium over cassette based tutorials is that it allows you to select the way you learn and adjust the speed of transmission to suit your own requirements. Additionally, once you have passed your IRT you may need to refresh your Morse knowledge from time to time. What better way than to quickly test yourself, then instantly select remedial study options rather than cycle back and forth through a very tired cassette tape to find an area which suits your needs.



Morse99 is a program which is virtually self contained and requires little instruction to 'get up and running'. The notes which follow are for general information only and can be totally ignored if you wish to 'get on with it! In the unlikely event that you experience difficulties, then refer back to these notes.



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LOADING

1. Copy the file to your hard disk and un|ZIP it. Please read the Readme file which may contain useful last minute information.
2. Palm: Using your Palm installer, install Morse99-Install.prc.
3. PocketPC: Copy the .ARM.CAB file to manually install it to your device. You will first need to copy .ARM.CAB into your \Mobile Device\My Pocket PC folder using Windows Explorer on your PC.
4. Click on the Morse99 icon to complete installation then run.



MORSE TIMINGS

Morse timings are based on units of time, adjusted to meet the required speed of transmission:

- 1 unit = dit.
- 3 units = dah.
- 1 unit = space between dits and dahs of a letter.
- 3 units = space between letters.
- 5 units = space between words or groups.

Note: CAA test timings allow 5 units between letters and a long gap between groups.



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PROGRAM CONTROLS

The program has simple controls to slightly alter the mode of operation and presentation thus adding flexibility to the way you study. The controls are located on the Options page. Most sections of the program default to preset values, however you are free to alter them to suit your personal preference at almost any stage.

TONE	Tone range is 400HZ to 2000HZ in increments of 200. PocketPC limited.
SPACE	The speed setting for spacing between letters and words. See Farnsworth.
SPEED	Speed range is 5 to 24 words per minute in variable increments (200 wpm Palm).
DISPLAY CODE	If checked, code in the form of dot/dash is displayed immediately after the code letter is played. A useful training aid initially, however it should be switched off as experience is gained.
LAMP ON	When checked, displays a flashing 'lamp' and silences the tone. Ideal for private study so that others around you are not driven mad.
FARNSWORTH	When checked, allows the user to set a different speed for spacing between letters and words.
OPTION LOCK	Keeps last user settings for next use including text entered in the Type and Send Module.
(Volume)	It is not possible to adjust volume from within the Morse Program. However you can adjust volume settings on your Palm by going to Preferences, General, System Sounds.



LESSON SUBMENU

- BASIC** Selects the very basic instruction submenu set.
- GROUPS** A submenu set that allows you to select combinations of basic subgroups for practice.
- THREES** The whole alphabet from which random groups of three letters are sent. You are invited to input your answer.

TYPE AND SEND

The Type & Send module includes options to type words and phrases and have your PDA play the morse to you. This is a useful additional training aid as it provides an entertaining diversion while allowing you to learn through anticipation. Additionally you may paste from the clipboard or copy to the clipboard using the appropriate keys.

TEST SUBMENU

- BASIC** A group of ten short words for you to warm up on.
- CAA** THE practice CAA test. Ten groups of three letters sent consecutively at a similar pace to that used by the CAA (providing that Options Lock is not checked in the Options Menu). Each test is randomly generated and entirely unique.
- NUMBERS** Only numbers!
- ADVANCED** A group of ten medium words sent consecutively at a faster pace.
- EXPERT** A group of ten longer words, numbers AND punctuation sent consecutively at an even faster pace - for the dedicated masochist only.

STUDY SUGGESTION

The advantage of this type of program and menu structure is that you can create your own study schedule. We are all individuals and you may find your way is better for you than another. The following is one way:

- a. Work your way through the first Basic Lesson subgroup (CFQV) and practice that group until you are comfortable.
- b. Before moving on to another Basic Lesson subgroup, go to the GROUPS submenu and select a combination of your target group with one other group. Practice picking out the letters you know, ignoring the ones you don't.
- c. Return to the Basic Lesson subgroup and select the next subgroup to study. When you are comfortable, go on to the GROUPS menu and select a combination of your previous subgroup and your current subgroup. Practice the two groups you know together before adding a third group that you will ignore.
- d. Keep returning to the Basic Lesson subgroup, building your knowledge through the GROUPS submenu until you have completed the alphabet (+ numbers if you are keen - although at the time of writing, knowledge of numbers was not a CAA requirement).
- e. Advance to the THREES Lesson to test yourself. In the CAA test, out of a group of 10 sets of three an error in more than one group is classified as a test fail.
- f. When you are reasonably confident, go on to the TEST section.
- g. Start at the Basic Test level to warm up then try the Civil Aviation Test.
NB: The tests are self assessed - you will need a pencil and paper.

NOTE: The practice CAA tests are as close as possible to the CAA format and speed. It may be beneficial to eventually practice these tests at a speed greater than the program default speed to ensure total confidence during the actual CAA Test. An increase of only 1 WPM is recommended, however, as usual, the choice is yours.





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MORSE CODE TUTOR

A	· -	G	- - ·	M	- -	S	· · ·	Y	- · - -
B	- · · ·	H	· · · ·	N	- ·	T	-	Z	- - · ·
C	- · - ·	I	· ·	O	- - -	U	· · -		
D	- · ·	J	· - - -	P	· - - ·	V	· · · -		
E	·	K	- · -	Q	- - · -	W	· - -		
F	· · - ·	L	· · · ·	R	· · ·	X	- · · -		

THE EASY SOUNDS

C	- · - ·
F	· · - ·
Q	- - - -
V	· · · -

THE MULTIPLES

E	·
I	· ·
S	· · ·
H	· · · ·
T	-
M	- -
O	- - -

THE EXTENSIONS

A	· -
W	· - -
J	· - - -
N	- ·
D	- · ·
B	- · · ·

THE INVERTS

R	· - ·
K	- · -
P	· - - ·
X	- · · -

THE OPPOSITES

U	· · -
G	- - ·
L	· · · ·
Y	- · - -

THE ODD ONE OUT

Z	- - · ·
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NUMERALS

1	· - - - -
2	· · - - -
3	· · · - -
4	· · · · -
5	· · · · ·

PUNCTUATION

6	- · · · ·
7	- - · · ·
8	- - - · ·
9	- - - - ·
0	- - - - -

·	· - · - · -
,	- - · · - -
?	· · - - · ·
/	- · · - ·



COMPATIBILITY

The Palm OS version of Morse99 is compatible with Palm OS 3.3 or higher and displays in color on color screens. For Palm OS version 5.0 you must use Morse99_OS5.

The PocketPC version is for ARM processors. For other PocketPC processors, contact Maple Leaf Software.

MORSE99 uses approx 100K of memory. The necessary runtime library Booster 4.0, if not already installed, uses approx 730K of memory.

Note: Morse99 is also available in desktop version. Please visit our website at:

www.mlsoftware.freeserve.co.uk



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