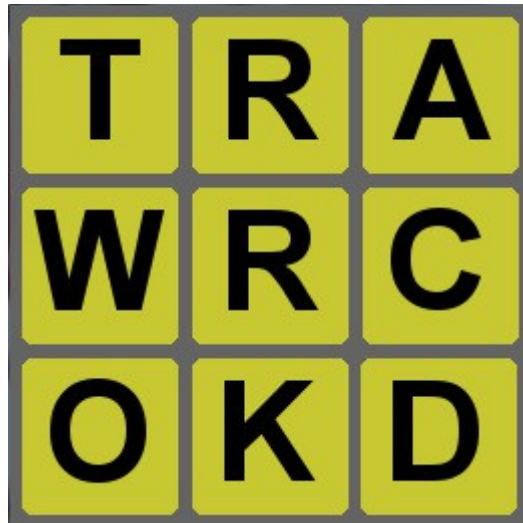


## Trackword Puzzle Solver

This program solves the puzzle known as “Trackword”. This puzzle type appears in the British weekly listings magazine “Radio Times”. You have to create as many words as possible from the grid of nine letters. The rules from the magazine are given here:

*How many words of three letters or more can you find by tracking from one square to the next, going up, down, sideways or diagonally in order? You may not use the same letter square twice in any word. There is at least one nine-letter word.*



## Installing the Program

The program will run with QB64 GL1.2 and higher. Use the URL to download the zip file and extract the folder “Trackword” into your QB64 folder. (When extracting the folder, be careful that the extraction method doesn't create a further level of folder with the same name). You will need to move (or copy) the “falcon.h” file to the QB64 folder if you don't already have one there. From the IDE, load the program “Trackword.bas” and make sure that you have the Run Option “Save EXE in source folder” checked.

<https://www.dropbox.com/s/m06smr8bz5uuf1h/Trackword.zip?dl=0>

## Using the Program

The form displays an empty grid and you may type in letters, and when the grid is full pressing the Solve button will search for and display all the possible words which have the required configuration. The program uses a European Scrabble dictionary, and both “colour” and “color” are acceptable. You may also get the program to generate a puzzle by pressing the Set Puzzle button.

The program works by finding all the possible letter configurations (and not those which do not have the required snaking configuration), and then looking in the dictionary. There are 784 possible nine-letter words and 10,256 possible words altogether.