

# Creating Across puzzles using Across Lite

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## User Guide

There are two Across crossword formats - a TEXT version and a BINARY version. The BINARY version is the one used for online distribution. It can be read by Across Lite on any platform and contains checksums to ensure the integrity of the puzzle during copying and downloading operations. Solution scrambling is also possible in this format. Across Lite saves worked-on puzzles in this format. The TEXT version is only used for creating puzzles in Across BINARY format.

Since the release of Across Lite v2, there are two versions of the TEXT crossword format. While the older TEXT version can be used by Across Lite v2, the newer v2 TEXT version cannot be read by versions of Across Lite prior to v2. The newer version is designed to create rebus puzzles i.e., puzzles with use of special characters/symbols, multiple letters in the same cell, etc.

**Note:** The BINARY puzzles created using either TEXT version or any version of Across Lite program can be opened by any other Across Lite version.

The following is a summary of the usage of the two versions:

### To create a BINARY (.puz) puzzle without rebus

- Use the older TEXT format and any Across Lite (v2.x or earlier) program to read it and save in the BINARY (.puz) format. OR
- Use the new v2 TEXT format and Across Lite v2.x program and save in the BINARY (.puz) format

### To create a BINARY (.puz) puzzle with rebus

- Use the new v2 TEXT format and Across Lite v2 program and save in the BINARY (.puz) format

The basic steps for creating a BINARY (.puz) file using either version are:

1. Create a TEXT file containing the crossword information using a text editor (Notepad, SimpleText, vi, etc.) or a word processor (Word, WordPerfect, Frame, etc.) that can output the file as simple text. The information is entered using a specific format as described below. Check the information for spelling, errors, etc. Save the file with a .TXT filename extension.

2. Open the TEXT file using Across Lite. You can use the File->Open command or in versions that support drag and drop, you can drop the file on an open Across Lite window or icon. In most cases, you must use Across Lite on the same platform as the platform in which the TEXT file was created. So, for example, if the TEXT file was created using Windows Notepad, use the Windows version of Across Lite. If it was created using SimpleText on a Mac, use the Mac version of Across Lite.

3. If there are any errors in the TEXT description, Across Lite will refuse to load the puzzle and give diagnostic error messages. This is to ensure that any problems such as missing clues, incorrect solution grid, extra/repeated clues, etc., are caught **before**

**distribution.** If there are no errors, the puzzle will be loaded into Across Lite.

4. Optionally, scramble the solution using the Solution->Scramble command, if desired. Record the scramble key elsewhere for publication later.

5. Save the puzzle. Across Lite will only save in the BINARY format. The filename extension .PUZ is strongly recommended for the BINARY format and is the default. The saved file is now ready for distribution and can be read by any version of Across Lite on any platform.

## Creating the TEXT file

The rest of the document describes the procedure for creating the TEXT format descriptions. First the older TEXT version is described followed by the extensions provided for in the v2 TEXT version.

### **Older TEXT version (prior to v2)**

The crossword information should be entered using the following template. The tags that mark each section are important and must be in the same order as below.

<ACROSS PUZZLE>

<TITLE>

...puzzle title/theme here in a single line... (or leave a blank line)

<AUTHOR>

...puzzle author/editor here in a single line... (or leave a blank line)

<COPYRIGHT>

...puzzle copyright notice here in a single line. A © will be automatically added at the beginning... (or leave a blank line)

<SIZE>

...grid size as No. of columns x No. of rows (e.g., 15x15). Must provide this information. x must be lower case.

<GRID>

...Use one line for each row in the grid. Enter solution letter or period(.) for black square. No spaces between the characters. If solution is to be omitted use X (upper case) for **all** solution letters. To create the puzzle as a diagramless, use colon (: ) for black squares instead of the period.

<ACROSS>

... List Across clues one **entire clue per line** in increasing order of clue numbers. **Do not** enter the clue number itself.

<DOWN>

... List Down clues one **entire clue per line** in increasing order of clue numbers. **Do not** enter the clue number itself.

<NOTEPAD>

.... Notepad entry for the puzzle here. This section is optional and can be entirely omitted. All spaces and line breaks are preserved. A maximum of 1023 characters can be entered here. Longer entries will be truncated to the first 1023 characters.

A sample file with the complete description of a 15x15 puzzle is included below. Note that leading spaces/tabs are ignored in all sections except the notepad.

<ACROSS PUZZLE>

<TITLE>

Politics: Who, what, where and why

<AUTHOR>

Created by Avalonian

<COPYRIGHT>

1995 Literate Software Systems

<SIZE>

15x15

<GRID>

FATE.AWASH.AWOL  
LIES.CURIO.SHOE  
ELECTORATE.SIZE  
ASS.ERST.DIETED  
...CENT.HOSTESS  
REFITS.JEWISH..  
ARITH.KERNS.OAF  
NILE.ANNES.DUPE  
DEI.OVENS.LOSER  
..BODILY.RACERS  
GLUTEAL.PEPS...  
RESIST.SLUE.SKI  
OTTO.REPUBLICAN  
OMES.IRATE.RAMS  
MERE.XENON.ABET

<ACROSS>

Destiny

Above water, barely

Deserter

True \_\_\_\_ : Arnold S. movie

Novel or rare item

If the \_\_\_\_ fits, ...

Favorite group of 53 across

EEE with 16 across

Midsummer's Night Dream character

Formerly

Ate sparingly

Monetary unit

She entertains guests

Make ready for use again

Yiddish, informally

Math. subject

Parts of typeset characters

Clod

Egyptian river

Bancroft and Archer

Fool

God in latin  
Pizza place fixtures  
Sometimes a dieter is one  
Physical  
Some kinds of snakes  
Of posterior muscles  
Raises one's spirits  
Block  
Swing about  
\_\_\_\_ slopes  
A dog's name  
GOP member  
Of masses  
Angry  
Strikes violently  
Just  
Inert gas  
Encourage

<DOWN>

Biting insect  
Troubles  
Golf equipments  
Computer keyboard key  
Oak seed or fruit  
Sausage  
I smell \_\_\_\_  
Squat  
Community dances  
Owned property  
House on Pennsylvania Ave.  
Seeps  
City NE of Manchester  
Subject of dentistry  
Wife of Asiris  
Use reference  
"\_\_\_\_, Johnny!"  
South African currency unit  
Canal or Lake  
Delaying tactic of 53 across  
Spinning \_\_\_\_  
Toll  
One who mimics  
Bearers : comb. form  
Female pilot  
Medics  
Homages  
Coat part

Idle  
Type of sandwich  
Clean and care for  
"\_\_\_\_\_ through!"  
Smallest planet of the Sun  
Cover  
One who works despite a strike  
Glacial ridge  
Org.  
Before  
Tax break savings account

<NOTEPAD>

This is an example notepad entry with  
two lines in it.

## V2 TEXT Version

This version is very similar to the older version except for the following changes/extensions. Note this version cannot be read by versions of Across Lite prior to v2.x

1. The file starts with <ACROSS PUZZLE V2> instead of <ACROSS PUZZLE>
2. The <GRID> section is extended with the following:
  - a. The solution letters can be any of
    - i. Alphabets A .. Z (as before in the older version)
    - ii. Numbers 0 .. 9
    - iii. Special characters @, #, \$, %, &, +, ?
    - iv. Lower case alphabets a .. z

i-iii denote letters and characters that form the solution for the puzzle for the specified cell in the <GRID> section. (iv) is equivalent to (i) if there is no <REBUS> section described later.

If there is a <REBUS> section later, the meaning of numbers and lower case alphabets can be modified and additional symbols can be introduced.

Across Lite versions prior to v2.x support alphabets but not numbers or special characters. When the .puz file is created with the above extensions for v2.x, the file can be read into the old versions but the solution will be replaced with the first character representing the number or character as follows:

1 = O, 2 = T, 3 = T, 4 = F, 5 = F, 6 = S, 7 = S, 8 = E, 9 = N, 0 = Z

@ = A, # = H, \$ = D, % = P, & = A, + = P, ? = Q

The numbers and special characters will not be seen on the grid or in print outs in the older version.

In Across Lite v2.x, these characters can be entered directly from the keyboard and will appear as such on the program window as well as in any print outs.

3. There is an optional new section immediately following the <GRID> section with the header <REBUS>. This section can be used in v2 TEXT format only.

This section has the following format

<REBUS>

flag list..

marker:<extended solution>:<short solution>

...

marker:<extended solution>:<short solution>

as explained below. If this section is present, at least one line containing either the flag list or a marker line should be present. The flag list line is optional.

### FLAG LIST

The flag list specifies certain special attributes of the crossword with key words separated by semicolons(;). Currently, only one flag MARK is supported.

### MARK

This flag specifies that all cells that have lower case alphabets in the <GRID> section must be marked with a circle in the puzzle that is created.

**Note:** Previously, to create a puzzle with certain cells pre-marked with a circle, one had to create a regular puzzle, load it into Across Lite program and use the \* key on each cell where the circle needed to appear and then save it. This provides a more convenient method where each such cell can be specified in the <GRID> section with a lower case alphabet and the MARK flag specified in the <REBUS> section to automatically create a puzzle with the appropriate cells circled.

For example, the following <GRID> and <REBUS> section in the TEXT format will result in a puzzle identical to the full example above but with all the four corner cells circled in the produced .puz file.

```
<ACROSS PUZZLE V2>
<TITLE>
    Politics: Who, what, where and why
<AUTHOR>
    Created by Avalonian
<COPYRIGHT>
    1995 Literate Software Systems
<SIZE>
    15x15
<GRID>
    fATE.AWASH.AWol<-- Note lower case letters at the ends
    LIES.CURIO.SHOE
    ELECTORATE.SIZE
    ASS.ERST.DIETED
    ...CENT.HOSTESS
    REFITS.JEWISH..
    ARITH.KERNS.OAF
    NILE.ANNES.DUPE
    DEI.OVENS.LOSER
    ..BODILY.RACERS
    GLUTEAL.PEPS...
    RESIST.SLUE.SKI
    OTTO.REPUBLICAN
    OMES.IRATE.RAMS
    mERE.XENON.ABEt<-- Note lower case letters at the ends
<REBUS>
MARK;
<ACROSS>
... the rest as before
```

#### **MARKER LINES**

The correct way to visualize marker lines is as footnotes for a piece of text (in this case the <GRID> section). The marker lines provide additional information for the annotated cells (with the marker characters) in the <GRID> section.

Any of the characters allowed in the <GRID> section can be used as a marker with

extended meaning. The same extended meaning applies to all the markers annotated with the same character in the <GRID> section.

We will describe below a number of use case scenarios for using this section for quick understanding of what is possible

- a. To create a puzzle with the word ESP as the solution in a single cell at multiple locations

```
<GRID>
    UFO.D1OTS.SIDLE
    TIN.ERNIE.TH1IS
    UNS.BITER.ROLFE
    R1IRATOR.PUPAE.
    NUDE...GUTSILY
```

...

```
<REBUS>
1:ESP:E
<ACROSS>
```

etc.

Note use of 1 as the marker at 3 cells above in the partial grid. The <REBUS> section describes what this annotation means. **Note:** If the <REBUS> section did not exist, then the above puzzle would have been generated as if 1 was the solution in those cells.

The above description creates a puzzle where **all** the cells marked with 1 have the multiple letters ESP as the solution in Across Lite v2.x and just the character E as the solution when read opened by previous Across Lite versions.

The marker line in the REBUS section has three parts separated by colons. The first is the ("footnote") marker that indicates to which cells that line applies to. In this example it is the number 1. The second part denotes the solution (ESP in this case) for v2 puzzle that allows multiple characters. The third part denotes the single character solution that will be used in earlier versions of Across Lite (E in this case). The third part **must** be a single character.

- b. To create a puzzle with different multi-letter answers in different cells

```
<GRID>
...
    FREN1NDO1NA.UMA
    ...GAD.UPS.I2IT
    SO3ST.LPS.AN2AL
```

...

```
<REBUS>
1:CHI:C
2:NU:N
3:PHI:P
```

This puzzle uses the Greek alphabets (expressed in English) at various places. Each of the markers denote the use of one such characters and apply to all occurrences of that marker in the grid. As in the previous example, the third part of the markers denotes the single characters to be used for older versions of Across Lite.

- c. Creating a puzzle with symbols other than the special characters allowed in the keyboard.

```
<GRID>
...
      MONK1DWITH . STAS
...
      ABA . NOW2HIS . ISA
...
<REBUS>
1 : [ 75 ] : E
2 : [ 89 ] : H
```

This puzzle uses two graphic symbols  and  representing EYE and HEART. The numbers used in the <REBUS> section refers to the character codes in the Webdings font table (provided separately). The list of available symbols can be seen via Character Map program in Windows or the Character Palette in Mac OS X.

#### **Known Limitations**

The current format does not support use of different letters or words in the same cell depending on whether it is an ACROSS solution or a DOWN solution.

The symbols can be displayed only on computers that have the Webdings font installed. This is part of the standard distribution in most Windows and Mac OS X versions. The rest will revert to the use of the single corresponding letter.