

**T/S Spell** is a spelling checker/corrector program for the Color Computer and any OS-9 word processing program. It locates and corrects spelling errors in a text file against the Master Dictionary, which contains over 100,000 words, or a customized "personal" dictionary that you create.

With T/S Spell, you can quickly check the spelling of a single word, or you can operate the program as an OS-9 "filter", checking the spelling in a text file and writing the misspelled words to the screen, a disk file, or the printer.

Two versions of T/S Spell are contained on this diskette, OS-9 Level 1 and OS-9 Level 2. If you are using OS-9 Level 2, T/S Spell can make use of the windowing features of the OS-9 operating system.

**Required Equipment:**

- Tandy Color Computer with 64K memory
- One disk drive
- Monitor or TV

**Optional Equipment and Software:**

- T/S Word and T/S Edit (or another OS-9 word processing program)
- Any printer with a serial port and an appropriate printer cable
- A second disk drive
- A hard disk system

**TANDY®**

Cat. No. 26-3266

# T/S SPELL

A Spelling Checker/Corrector  
for Use with the  
Color Computer and Any  
OS-9 Word Processing Program

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**T/S SPELL**

## Introduction

T/S Spell is a spelling checker/corrector program for your Tandy® Color Computer. It locates and corrects spelling errors in any ASCII text file that you create with T/S Edit or any other OS-9 text program. T/S Spell compares each word in a text file against either the Master Dictionary, which contains over 100,000 words, or a customized “personal” dictionary that you create.

You can also use T/S Spell as a reference tool to quickly check the spelling of a single word. T/S Spell can also operate as an OS-9 filter, checking the spelling in a text file and writing the misspelled words to the standard output (the screen, a disk file, or the printer).

There are two versions of T/S Spell contained on this diskette, OS-9 Level One and OS-9 Level Two. If you are using OS-9 Level Two, T/S Spell can make use of the windowing features of the OS-9 operating system.

## Required Equipment

- 64K Tandy Color Computer with at least one disk drive
- Standard television set (color recommended)

## Optional Equipment and Software

- T/S Word and T/S Edit (or another OS-9 word processing program)

**Note:** T/S Spell cannot create files, so you must have an OS-9 editor or word processing program to create text files for T/S Spell.

### OS-9 Operating System

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### T/S SPELL Version 01.00.00

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### Master Dictionary

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- Any printer with a serial port
- OS-9 Operating System
- A second disk drive
- A hard disk system

## References

Because T/S Spell is a tool that you use with a separate word processing program, this manual assumes that you are already familiar with both the Color Computer and with your particular word processing program.

The manual also assumes previous knowledge and experience with the OS-9 operating system. If you need help, refer to the *Getting Started with OS-9* and *OS-9 Commands* manuals for information about OS-9.

## T/S Spell Files

T/S Spell is contained on a “floppy diskette.” A floppy diskette contains files on both sides and can be used in a single-sided disk drive (like the Color Computer disk drive). To access files on the back side of the floppy diskette, simply “flip” the diskette over to Side B, and insert it with the back side facing up.

The front side of the T/S Spell diskette contains a minimum OS-9 Level One operating system so that you can operate T/S Spell on either a one- or two-drive system. The following commands are included:

TSSPELL	Spelling checker for use with OS-9 Level One, T/S Word, or the OS-9 Level Two VDG screen (the VDG screen is the 32X16 screen, which is like the standard Level One screen)
TSSPELLW	Spelling checker for use with the OS-9 Level Two Windowing System
DEL	OS-9 utility for deleting a file
RENAME	OS-9 utility for renaming a file
FREE	OS-9 utility for displaying the amount of free disk space
SETIME	OS-9 utility for setting the date and time
DIR	OS-9 utility for listing the names of the files on the disk
COPY	OS-9 utility for copying files

If you want access to all OS-9 commands, you must purchase OS-9 separately.

The back side of the T/S Spell diskette, which is labeled Side B, contains the following two dictionary files:

TSM	Master Dictionary, which contains over 100,000 words
TSQ	Quick Dictionary, which is a shortened version of the Master Dictionary, containing the most frequently used words

**Master Dictionary** T/S Spell uses this file to check text files for misspelled words. You cannot add to, change, or delete the words in this file.

**Quick Dictionary** This file contains a list of the most frequently used words in the Master Dictionary. T/S Spell accesses this file before it accesses the Master Dictionary to reduce the time it takes to check a word.

You can change the words in this file to reflect the words you use most often. When you first use T/S Spell, the Quick Dictionary file is full (6271 bytes). Since this file cannot contain more than 6271 bytes, you must delete some of the words before adding new ones. Use any text editor (such as T/S Edit) to delete and add words. When adding words, follow these rules:

- Limit each word to 40 characters. (The only valid non-alphabetic characters are ' and -.)
- Enter the words in alphabetical order.
- Enter the words in lowercase.
- Enter each word on a separate line, terminating it with a return. (The carriage return following each word counts as an additional character.)

The back of the T/S Spell diskette also contains space for a third dictionary file:

**Personal Dictionary** You can use this file to store words that do not appear in the Master Dictionary but that you use frequently, such as words common to your particular profession. You must use T/S Edit or another ASCII file editor to create this file. When adding words to this file, follow the same rules outlined under "Quick Dictionary."

**Note:** There is no maximum length for this file, but keep in mind that the longer the file, the slower the scan.

You can keep multiple Personal Dictionaries under names that you select. You can then call a specific Personal Dictionary from the command line. (See "Command Line Options.") You can use only one Personal Dictionary at a time.

T/S Spell adds words to the specified Personal Dictionary. (See the Add option under "Check/Correct Mode.")



## Installing T/S Spell

Before you use T/S Spell, make a copy, or *backup*, of your T/S Spell diskette. If you make any changes to the dictionary files, be sure to make a new copy so that you'll always have current information stored in case a mishap occurs (such as a power failure).

First, be sure that all equipment (such as a printer or disk drive) is properly connected to the computer. Then, turn on the computer, the disk drives, and the television or monitor.

Follow the installation instructions appropriate for the type of system you are using.

### Installing on a One-Drive System

1. Insert a new diskette into Drive 0.
2. At the OK prompt, type **DSKINI 0** **(ENTER)** to initialize the diskette.
3. Remove the new diskette, and insert the **back** side of the T/S Spell diskette.
4. At the OK prompt, type **BACKUP 0** **(ENTER)** to begin the copy process. When you are prompted to mount the destination disk, insert the diskette you just initialized. When prompted to mount the source disk, insert the **back** side of the T/S Spell diskette.

After the copy process is complete, the new diskette contains a copy of the T/S Spell dictionaries. Label the diskette "T/S Spell Dictionaries."

Now, copy the T/S Spell OS-9 commands onto your word processing diskette. This makes T/S Spell available for word processing programs that are able to access it.

1. Insert your word processing diskette, and at the OK prompt, type **DOS** **(ENTER)**.

2. Exit the word processor, if necessary, to return to the OS-9 prompt.
3. Remove the word processing diskette, and insert the **front** side of the T/S Spell diskette.
4. At the OS-9 prompt, type **CHX /D0/CMD5 (ENTER)**.
5. Again, at the OS-9 prompt, type:

```
COPY /D0/CMD5/TSSPELL /D0/CMD5/TSSPELL -S
#10K (ENTER)
```

6. When prompted to insert the destination disk, remove the T/S Spell diskette, insert the word processing diskette, and then press **(ENTER)**.
7. If you are using OS-9 Level Two, you can copy TSSPELLW in addition to, or instead of, TSSPELL using this command:

```
COPY /D0/CMD5/TSSPELLW /D0/CMD5/TSSPELLW
-S #10K (ENTER)
```

Be sure to insert your word processing diskette and press **(ENTER)** if you use the above command.

8. With your word processing diskette in the drive, type the following command at the prompt:

```
CHX /D0/CMD5 (ENTER)
```

You are now ready to use T/S Spell.

### Installing on a Two-Drive System

1. Insert a new diskette into Drive 1.
2. At the OK prompt, type **DSKINI 1** **(ENTER)** to initialize the diskette.

3. Keep the new diskette in Drive 1, and insert the back side of the T/S Spell diskette into Drive 0.

4. At the OK prompt, type **BACKUP 0 TO 1** **(ENTER)** to begin the copy process.

After the copy process is complete, the new diskette contains a copy of the T/S Spell dictionaries. Label the diskette "T/S Spell Dictionaries."

Now, copy the T/S Spell OS-9 commands onto your word processing diskette. This ensures that your word processing program can access T/S Spell.

1. Insert your word processing diskette into Drive 0, and at the OK prompt, type **DOS** **(ENTER)**.

2. Exit the word processor, if necessary, to return to the OS-9 prompt.

3. Insert the front side of the T/S Spell diskette in Drive 1.

4. Type **CHX /D1/CMDS** **(ENTER)**.

5. At the OS-9 prompt, type:

```
COPY /D1/CMDS/TSSPELL /D0/CMDS/TSSPELL  
(ENTER)
```

6. If you are using OS-9 Level Two, you can copy TSSPELLW in addition to, or instead of, TSSPELL using this command:

```
COPY /D1/CMDS/TSSPELLW /D0/CMDS/TSSPELLW  
(ENTER)
```

7. At the OS-9 prompt, type **CHX /D0/CMDS** **(ENTER)**.

You are now ready to use T/S Spell.

## Installing on a Hard Disk

To put the dictionary files on a hard disk, follow the instructions below to copy the files:

1. *Boot* OS-9 from your OS-9 System diskette.

2. Insert the back side of the T/S Spell diskette into Drive 0.

3. At the prompt, type **COPY /D0/TSM /H0/TSM** **(ENTER)**.

4. When the prompt reappears, type:

```
COPY /D0/TSQ /H0/TSQ (ENTER).
```

5. When the prompt returns, insert the front side of the T/S Spell diskette into Drive 0; then type:

```
COPY /D0/CMDS/TSSPELL /H0/CMDS/TSSPELL  
(ENTER)
```

6. If you are using OS-9 Level Two, you can copy TSSPELLW in addition to, or instead of, TSSPELL using this command:

```
COPY /D0/CMDS/TSSPELLW /H0/CMDS/TSSPELLW  
(ENTER)
```

You are now ready to use T/S Spell.



## Using T/S Spell

You can use T/S Spell to check text files you create with any OS-9 word processing program. (The maximum size file you can check is 64K.) To access the program, follow the instructions for the type of system you are using.

### One-Drive System

Since T/S Spell is designed to be used with T/S Word, you can access T/S Spell from within T/S Word by using the SPELL icon.

If you are using another word processing program, you must access T/S Spell from the OS-9 prompt by entering TSSPELL, the filename, and the correct command syntax. (Refer to "Command Line Options.")

The following example shows a sample T/S Spell command line:

```
TSSPELL MYFILE C 0 
```

This command line provides the following information:

- The text file you want to check is MYFILE.
- The spelling mode is Check/Correct. (You must enter  or  to change the default.)
- The screen colors change to black on white.

The program prompts you to mount TSQ or TSM. Remove your word processing diskette, and insert your T/S Spell Dictionary diskette into Drive 0.

**Note:** If you are using OS-9 Level Two with Windows, use TSSPELLW instead of TSSPELL in the above command. (TSSPELLW does not operate with T/S Word, because T/S Word cannot use the Level Two windowing facility.)

### Two-Drive System

If you have two disk drives, you can keep your text files on the diskette in Drive 0 and the T/S Spell Dictionary diskette in Drive 1.

You can access the T/S Spell program from within T/S Word by using the SPELL icon, but you must edit the file WORD.ICONs so the program knows to look for T/S Spell on Drive 1.

1. Find the following line in the file WORD.ICONs (near the end of the file):

```
TSSPELL #16K %
```

2. Change this line to the following:

```
TSSPELL M /D1/TSM Q /D1/TSQ #16K % 
```

The program can now find the dictionary files on Drive 1 if you call T/S Spell from within T/S Word.

If you are using another word processing program, you must access T/S Spell from the OS-9 prompt by entering TSSPELL, the filename, and the correct command syntax. (Refer to "Command Line Options.")

The following example shows a sample T/S Spell command line:

```
TSSPELL MYFILE Q /D1/TSQ C 0 
```

This command line provides the following information:

- The text file you want to check is MYFILE.
- The spelling mode is Check/Correct. (You must enter **(D)** or **(F)** to change the default.)
- The Quick Dictionary (located on Drive 1) is used.
- The screen colors change to black on white.

**Note:** If you are using OS-9 Level Two with Windows, use TSSPELLW instead of TSSPELL in the above command. (TSSPELLW does not operate with T/S Word, because T/S Word cannot use the Level Two windowing facility.)

## Hard Disk Drive

If your files are stored on hard disk, you can access the T/S Spell program from within T/S Word by using the SPELL icon, but you must edit the file WORD.ICONs so the program knows to look on the hard disk for the dictionary files.

1. Find the following line in the file WORD.ICONs (near the end of the file):

```
TSSPELL #16K %
```

2. Change this line to the following:

```
TSSPELL M /H0/TSM Q /H0/TSQ #16K % (ENTER)
```

The program can now find the dictionary files on the hard disk if you call T/S Spell from within T/S Word.

To access T/S Spell from another word processing program, enter TSSPELL, the filename, and the correct command syntax. (Refer to "Command Line Options.")

The following example shows a sample T/S Spell command line:

```
TSSPELL MYFILE M /H0/TSM Q /H0/TSQ (ENTER)
```

This command line provides the following information:

- The text file you want to check is MYFILE.
- The spelling mode is Check/Correct. (You must enter **(D)** or **(F)** to change the default.)
- The Master Dictionary (located on Hard Drive 0) and the Quick Dictionary (located on Hard Drive 0) are used.

**Note:** If you are using OS-9 Level Two with Windows, use TSSPELLW instead of TSSPELL in the above command. (TSSPELLW does not operate with T/S Word, because T/S Word cannot use the Level Two windowing facility.)

## Command Line Options

When entering a T/S Spell command, use the syntax described in this section. The command line includes fields that indicate the spelling mode (Direct, Filter, or Check/Correct), the name of the file you want to check, and the dictionary files you want to use.

**TSSPELL** [d] [f] [*text*] [M *master*] [Q *quick*] [P *personal*]  
[C *color*]

The fields are described below:

[D] (Direct Mode)	Lets you check individual words using the T/S Spell Master Dictionary.
[F] (Filter Mode)	Checks an entire file against the Master Dictionary, and writes any unrecognized words to the standard output.

**Note:** If you do not include the **d** or **f** option, T/S Spell automatically enters the Check/Correct Mode (the default).

[*text*]                      Indicates the name of the text file you want to check.

[M *master*]                Lets you indicate an alternate pathname for the Master Dictionary so that you can keep T/S Spell's Master Dictionary on another diskette (or hard disk). For example, if you want to keep the Master Dictionary on the diskette in Drive 1, enter the pathname **/D1/TSM**. (The default pathname is **/D0/TSM**.)

[Q *quick*]

Lets you indicate an alternate pathname for the Quick Dictionary. For example, if you want to keep the Quick Dictionary on the diskette in Drive 1, enter the pathname **/D1/TSQ**. (The default pathname is **/D0/TSQ**.)

[P *personal*]

Indicate the **P** option if you want the program to use the specified pathname as the Personal Dictionary.

If you do not indicate the **P** option, T/S Spell looks in the current directory for a file named "TSPersonal." If the file is found, T/S Spell uses that file as the Personal Dictionary. If the file is not found, the program does not try to access a Personal Dictionary.

[C *color*]

Lets you select the colors that appear on the screen.

If you are using TSSPELL, your choices are:

1 = black on green (default)  
0 = black on white

If you are using TSSPELLW and choose the **C** option, you can define palette *colors* for the following:

- 1st digit – Primary window foreground
- 2nd digit – Primary window background
- 3rd digit – Secondary window foreground
- 4th digit – Secondary window background

The default palettes on a two-color graphic screen are 0, 1, 1, 0 (respectively).

The default palettes for other types of screens are 0, 1, 2, 3 (respectively).

**Note:** Each digit in the *color* field is a hexadecimal number from 0-F (0-15 decimal) that represents one of the 16 palette registers.

When you use the C option on the command line, you can include a “-” to indicate that the default color remains the same. For example, “C -45” indicates that the foreground and background colors in the main window remain the same and the colors in the dialogue windows change to 4 and 5.

The following example shows a sample TSSPELL command line:

```
TSSPELL MYFILE M /D1/TSM Q /D1/TSQ P  
MYWORDS C 0
```

The next example shows a sample TSSPELLW command line:

```
TSSPELLW MYFILE M /D1/TSM Q /D1/TSQ P  
MYWORDS C 23AE
```

These command lines provide the following information:

- The text file you want to check is MYFILE.
- Since you do not indicate D or F, the spelling mode is Check/Correct.
- You are going to access the Master Dictionary (located in Drive 1), the Quick Dictionary (located in Drive 1), and the Personal Dictionary with filename MYWORDS.
- You are changing the default screen colors.

## T/S Spell Function Modes

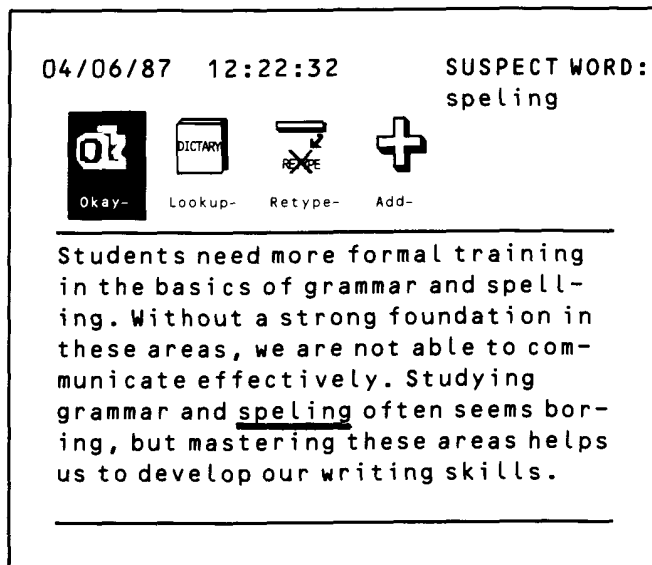
T/S Spell operates in one of three modes: Check/Correct, Direct, or Filter.

### Check/Correct Mode

This mode is T/S Spell's default mode. The program automatically enters this mode if you do not specify **(D)** (Direct) or **(F)** (Filter) in the command line.

In the Check/Correct Mode, T/S Spell scans the text file and constructs an internal *suspect* word list by gathering all the words in the text file that are not found in the Master Dictionary, Quick Dictionary, or Personal Dictionary. The program then displays them, one at a time, under **SUSPECT WORD:** in the upper right corner of the screen.

The following screen is an example of what you will see in the Check/Correct Mode:



The current date and time appear on the upper left of the screen. The first unrecognized word appears under **SUSPECT WORD:** on the upper right of the screen.

The majority of the screen displays the portion of the text file that includes the suspect word, and that word is highlighted. T/S Spell provides various options for dealing with the suspect word. These options are displayed above the text file as pictures, or icons.

To select a specific icon, use the arrow keys to position the cursor over the icon, and then press **(ENTER)**.

The options are described below:

**OK** Select this option if you do not want to change the suspect word. The program disregards this word, but if it appears later in the text file, T/S Spell will again display it as a suspect word.

**Note:** If you prefer, you can press **(O)** to select OK instead of positioning the cursor over the OK icon.

**LOOKUP** Select this option if you want T/S Spell to suggest possible replacements for the suspect word. The program scans the entries beginning with the same letter in the dictionaries you indicated in the command line and finds the six most similar words. These words are then displayed on the screen. For example:

01/17/87 01:22:11 SUSPECT WORD:  
speling

OK

— — —

spelling

spewing

spieling

sailing

sapling

scaling

Studying grammar and speling often seems boring, but mastering these areas helps us to develop our

You can choose one of the displayed words to replace the suspect word. To select one of the words, press **↑** or **↓** to position the cursor on the desired word, and press **ENTER**. T/S Spell automatically replaces the suspect word with the one you selected. The program then displays the next suspect word and the correction options.


If none of the words are correct, use **←** or **→** to position the cursor on one of the other options (or press **O**, **R**, or **A**).


**Note:** If you prefer, you can press **L** to select LOOKUP instead of positioning the cursor over the LOOKUP icon.


#### RETYPE


Choose this option when you want to manually enter the correct spelling of the suspect word. A screen similar to the following appears:

01/17/86 01:35:17 SUSPECT WORD:  
speling

  
 Okay-

  
 Lookup-

  
 Retype-

  
 Add-

Without a strong foundation in these areas, we are not able to communicate effectively. Studying grammar and speling often seems boring, but mastering these areas helps us to

Type the correct spelling on the line provided and press **ENTER**. The new word replaces the suspect word in the text file. T/S Spell then displays the next suspect word.

**Note:** If you prefer, you can press **R** to select RETYPE instead of positioning the cursor over the RETYPE icon.

#### A d d

Choose this option if you want to add the suspect word to your Personal Dictionary. Once you add the word, all other occurrences of the word in the text file are valid.

**Note:** If you prefer, you can press **A** to select ADD instead of positioning the cursor over the ADD icon.

After you check all the suspect words, the program asks if you want to save your corrections. Since the program has not yet written the corrections to the file, you can choose to either save the corrections or ignore them. If you choose to save the new text, the file containing the corrected text is given the original filename. The previous version (containing the suspect words) becomes a backup file (with the extension .bu). For example, you use T/S Spell to correct misspelled words in a file named TEXT. When you save the corrections, the program creates a new file that includes these changes and names it TEXT. The previous version becomes TEXT.BU. (Any previous .bu file is overwritten.)

If you used the ADD option during the current session, you receive an additional prompt that lets you verify that you want to add words to your Personal Dictionary. If you indicated your Personal Dictionary filename in the command line, the new words are added to that file. If you did not indicate a Personal Dictionary filename, the program creates a new Personal Dictionary and names it "TSPersonal."

## Direct Mode

You can select the Direct Mode by inserting D into the command line. For example:

**TSSPELL D or TSSPELLW D**

This mode lets you check individual words using the Master Dictionary. If you use the D option, the following prompt appears after you type the command line:

ENTER WORD TO LOOK UP :

Type the word you want to check (up to 40 characters), and press **ENTER**. If the word is in the Master Dictionary and is spelled correctly, the message OK appears.

If T/S Spell cannot find the word, the program scans all entries that begin with the same letter and finds the six most similar words. These words are displayed with the message NOT FOUND, CLOSEST MATCHES.

After the program checks a word, the prompt to enter a word reappears. You can then either enter another word or exit T/S Spell by pressing **ENTER**.

## Filter Mode

You can select the Filter Mode by inserting F into the command line. For example:

**TSSPELL F WORKFILE >/P** (sends output to the printer)  
**TSSPELLW F WORKFILE** (sends output to the screen)

This mode scans an entire text file and finds all words that do not appear in the Master Dictionary. These words are then written to the standard output (disk file, screen, or printer). This mode provides only a list of misspelled words; you cannot make changes to the file.

If you do not provide a text filename in the command line, the Filter Mode reads words from the standard input. For example, the command **TSSPELL F >/P** processes the standard input (typed from the keyboard). It sends the output (misspelled words) to the printer after an EOF **CTRL BREAK** is entered as the first character on a line.



## Exiting T/S Spell

If you are working in the Check/Correct Mode, the prompt EXIT (Y/N)? appears when you finish checking all the suspect words in a text file. If you press (Y), the program returns to either T/S Word or the OS-9 prompt (depending on the point at which you entered T/S Spell). If you press (N), you are asked to enter a new filename for correction.

You can exit the Check/Correct Mode at any time by pressing (BREAK). The message EXIT (Y/N)? appears. Press (Y) to exit the mode. Press (N) to continue the session. If you exit the Check/Correct Mode by pressing (BREAK), the corrections you have made to the text file and any additions to your Personal Dictionary are not made.

If you are working in the Direct Mode, you can exit T/S Spell by pressing (ENTER) at the ENTER WORD TO LOOK UP prompt. You return to the OS-9 prompt.

If you are working in the Filter Mode, the exit procedure varies:

- If you specified a file, the file's EOF character will automatically terminate T/S Spell.
- If you are reading from standard input, press (CTRL) (BREAK) at the beginning of a line to exit T/S Spell.

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