

BBAutoComplete 1.6.1 Manual

C-Command Software
c-command.com

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1 Introduction

BBAutoComplete adds word auto-completion to [Affrus](#)¹, [BBEdit](#)², [Mailsmith](#)³, [Microsoft Word](#)⁴, [Script Debugger](#)⁵, [Smile](#)⁶, [Tex-Edit Plus](#)⁷, and [TextWrangler](#)⁸. You type the start of a word, [press a key](#), and BBAutoComplete types the letters to complete the word. If BBAutoComplete guessed wrong, you can keep pressing the key to cycle through other possible completions. Other auto-completion utilities need to be taught the abbreviations and expansions that you use; BBAutoComplete avoids this hassle by automatically looking for expansions in the program's open documents. This means that it always suggests completions that are relevant to your current task.

BBAutoComplete is probably most useful for programmers, who need to remember and type long variable and method names, but it can also help with prose writing. It's useful any time you need to type long words quickly and accurately.

BBEdit 9 and later have a built-in auto-completion feature, however BBAutoComplete is preferable in some ways:

- BBAutoComplete can look for completions using text in other windows and documents that are open, not just the current document.
- BBAutoComplete works with all document types in BBEdition. The document can have any language selected, including “(none).”
- Depending on the language and where your cursor is, BBEdition may ignore potential completions, even if the words appear just a few lines away in the same document.
- The completions that BBAutoComplete offers are easily predictable and consistent; they do not change based on the syntactic context.
- BBAutoComplete is case-sensitive, which helps to narrow the list to the most relevant completions.

2 Installing and Updating

2.1 Requirements

BBAutoComplete works with macOS 10.7 and later. BBAutoComplete works in the following programs:

- [Affrus](#)⁹ 1.0 and later
- [BBEdit](#)¹⁰ 6.0 and later (not BBEdition Lite)

¹<http://www.latenightsw.com/affrus/>

²<http://www.barebones.com/products/bbedit/>

³<http://www.mailsmith.org>

⁴<http://www.microsoft.com/mac/word>

⁵<http://latenightsw.com>

⁶<http://www.satimage.fr/software/en/index.html>

⁷<http://www.tex-edit.com>

⁸<http://www.barebones.com/products/textwrangler/>

⁹<http://www.latenightsw.com/affrus/>

¹⁰<http://www.barebones.com/products/bbedit/>

- [Mailsmith](#)¹¹ 1.5 and later
- [Microsoft Word](#)¹² from Office 2004 and later
- [Script Debugger](#)¹³ 3.x (Script Debugger 4.x is not scriptable)
- [Smile](#)¹⁴ 2.6.9 and later
- [Tex-Edit Plus](#)¹⁵ 4.5 and later
- [TextWrangler](#)¹⁶ 1.5 and later
- Other applications using these [Keyboard Maestro macros](#).

If you know AppleScript, you can hook it up to other scriptable text editors. If you do, please send me your glue script, so that I can include it with the BBAutoComplete distribution.

2.2 Installing BBAutoComplete

1. Drag the BBAutoComplete icon onto the Applications folder.
2. Double-click the Applications folder to open it.
3. Double-click the BBAutoComplete icon to launch it.
4. Eject the BBAutoComplete-1.6.1 icon.
5. Now follow the instructions in the [Integration Scripts](#) section.

2.3 Updating From a Previous Version

There are two ways to update to the latest version of BBAutoComplete:

Automatic Updating

1. Launch your old version of BBAutoComplete.
2. Normally, BBAutoComplete will automatically check for updates and detect that a new version is available. If you had turned that feature off:
 - a) Choose [Software Update...](#) from [the BBAutoComplete menu](#).
 - b) Click the **Check Now** button.
3. Click the **Download & Install** button and follow the on-screen instructions.
4. Now follow the instructions in the [Integration Scripts](#) section.

¹¹<http://www.mailsmith.org>

¹²<http://www.microsoft.com/mac/word>

¹³<http://latenightsw.com>

¹⁴<http://www.satimage.fr/software/en/index.html>

¹⁵<http://www.tex-edit.com>

¹⁶<http://www.barebones.com/products/textwrangler/>

Manual Updating

1. Go to the [BBAutoComplete Web site](#) and click the **Download** button.
2. Quit the BBAutoComplete application.
3. Replace the old BBAutoComplete application file with the new one. That is, if BBAutoComplete is installed in the **Applications** folder, drag the new BBAutoComplete application icon into the **Applications** folder and click **Replace** when the Finder asks if you want to overwrite the old version. If you get an error saying that you do not have sufficient privileges, drag the old BBAutoComplete to the trash and empty it, and then drag the new one into the **Applications** folder.
4. Launch BBAutoComplete.
5. Now follow the instructions in the [Integration Scripts](#) section.

2.4 Reinstalling a Fresh Copy

If your copy of BBAutoComplete is damaged, you may need to download and install a fresh copy.

- If you are able to launch BBAutoComplete, you can ask it to reinstall itself. To do this, follow the **Automatic Updating** instructions (above) but hold down the Option key when you click the **Check Now** button.
- If BBAutoComplete won't launch, follow the **Manual Updating** instructions (above).
- If you've uninstalled BBAutoComplete, you can always get it back by going to the [BBAutoComplete Web site](#) and clicking the **Download** button.

2.5 Integration Scripts

BBAutoComplete includes AppleScripts that let you invoke it from inside other programs. To access these scripts, choose **Show Scripts** from the **BBAutoComplete** menu. Find the color corresponding to the application that you're using, e.g. **BEdit 12**.

These scripts need to be installed in particular locations so that they show up in the **Scripts** menus of the aforementioned programs.

Affrus

The scripts go in the **Scripts** folder next to the Affrus application. To open this folder, you can choose **About The Scripts Menu** from Affrus's **Scripts** menu, and then click the **Open Scripts Folder** button.

BEdit

The scripts go in the folder `~/Library/Application Support/BEdit/Scripts`. You may need to [set the trigger keys](#) after installing the scripts.

Mailsmith

The script goes in the folder `~/Library/Application Support/Mailsmith/Scripts`.

Microsoft Word

Install [FastScripts](#)¹⁷. Put the script in the folder `~/Library/Scripts/Applications/Word/` (creating that folder, if necessary). Then open FastScripts's preferences and assign the script a keyboard shortcut. Another option is to use [Spark](#)¹⁸ instead of FastScripts. Do not use Word's built-in `Word Script Menu Items` folder, since the script does not work properly when Word itself runs it.

Script Debugger

The scripts go in the `Scripts` folder next to the Script Debugger application.

Smile

Make sure that you have Smile installed and then run the `Installer` program in the `Smile` folder.

Tex-Edit Plus

The scripts go in the `Scripts` folder next to the Tex-Edit Plus application.

TextWrangler 2–4

The scripts go in the folder `~/Library/Application Support/TextWrangler/Scripts`.

TextWrangler 1.5

The scripts go in the folder `~/Library/Application Support/TextWrangler Support/Scripts`.

Launch and Quit Scripts

The `Launch and Quit Scripts` folder contains optional scripts that open BBAutoComplete when you open your editor and quit it when your editor quits.

The `Launch BBAutoComplete` script goes in BBEdit, Mailsmith, or TextWrangler's `Startup Items` folder:

```
~/Library/Application Support/BBEdit/Startup Items  
~/Library/Application Support/Mailsmith/Startup Items  
~/Library/Application Support/TextWrangler/Startup Items
```

The `Quit BBAutoComplete` script goes in BBEdit, Mailsmith, or TextWrangler's `Shutdown Items` folder:

```
~/Library/Application Support/BBEdit/Shutdown Items  
~/Library/Application Support/Mailsmith/Shutdown Items  
~/Library/Application Support/TextWrangler/Shutdown Items
```

It may be necessary for you to create the `Startup Items` and `Shutdown Items` folders.

You might find it inconvenient to use these scripts if you use more than one of the programs.

¹⁷<http://www.red-sweater.com/fastscripts/>

¹⁸<http://www.shadowlab.org/software/spark.php>

3 Using BBAutoComplete

To use BBAutoComplete, type the first few letters of a long word in one of the supported applications. Then invoke the **BBAutoComplete** AppleScript from the **Scripts** menu, or use a keyboard shortcut (**Command- /** by default). BBAutoComplete will insert the letters to complete the word. If you aren't happy with the completion BBAutoComplete chose, invoke the **BBAutoComplete** AppleScript again. You can do this repeatedly to cycle through possible completions.

The order in which BBAutoComplete suggests completions is deterministic. With a little practice you'll be able to predict what BBAutoComplete will suggest, and how many completions you'll need to cycle through to get the one you want. Here are the rules:

- First, BBAutoComplete looks backwards, from the current insertion point to the beginning of the document. That is, the first completion it suggests is the last word you typed (that matches).
- Next, BBAutoComplete looks forwards, from the current insertion point to the end of the document.
- Next, it looks in the other windows, front to back, in layer order. (In Mailsmith, BBAutoComplete also looks in the subject, body, and notes fields of message windows; and in the preview panes of the Mail Browser and mail list windows.)
- Finally, it uses the Mac spell checker to find additional completions, if you have that option checked in the preferences.
- Completions are case-sensitive. Letters and numbers are considered word characters; whitespace, punctuation, and other symbols are not. You can add more word characters in the Preferences window.

Note that this auto-completion algorithm is the same as `dabbrev-expand (M- /)` in [GNU Emacs](http://www.gnu.org/software/emacs/emacs.html)¹⁹, except for being case-sensitive. (If you don't know what Emacs is, stick with BBEdit.)

3.1 Changing the Trigger Key

BBEdit, Mailsmith, TextWrangler

Choose **Scripts** from the **Palettes** submenu of the **Window** menu. Click on **BBAutoComplete** in the palette that opens, and then click the **Set Key...** button.

Affrus, Script Debugger

Choose **Show Scripts** from the **Palettes** submenu of the **Window** menu. Click on **BBAutoComplete** in the palette that opens, and then choose **Set Keystroke...** from the down-pointing triangle menu opposite from the **Edit** button.

Microsoft Word, Smile, Tex-Edit Plus

You can change the key by modifying the letters at the end of the script file's name. For the details of how this works, please consult the documentation for those applications.

¹⁹<http://www.gnu.org/software/emacs/emacs.html>

3.2 Ignoring Background Windows

By default, BBAutoComplete looks for completions in all of front program's open text windows. However, background windows containing lots of text will slow down BBAutoComplete. To make BBAutoComplete look for completions in only a single window, use the included **BBAutoComplete (Front Only)** script instead of the **BBAutoComplete** script.

3.3 Hiding the Dock Icon

To hide BBAutoComplete's icon from the Dock and the Command-Tab application switcher, click the special link below:

- To hide BBAutoComplete's Dock icon, [click this link](#).
- To show BBAutoComplete's Dock icon, [click this link](#).

BBAutoComplete will automatically remember these settings when you update to a new version.

4 Menus

4.1 The BBAutoComplete Menu

4.1.1 About BBAutoComplete

The **About BBAutoComplete** window shows the credits, as well as download and support information.

You can always download the latest version of BBAutoComplete from the [BBAutoComplete Web site](#).

Questions about BBAutoComplete may be sent to bbautocomplete@c-command.com²⁰. We're always looking to improve BBAutoComplete, so please feel free to send any feature requests to that address.

To make sure that you have the latest version of BBAutoComplete, you can use the [Software Update...](#) command.

4.1.2 Software Update...

Checking for Updates

Click the **Check Now** button, and BBAutoComplete will tell you whether a newer version is available for download. By default, BBAutoComplete will automatically check for new versions each time it is launched and once per day. You can disable this feature by unchecking the **Check for updates automatically** checkbox.

²⁰<mailto:bbautocomplete@c-command.com>

Updating

If a new version is available, BBAutoComplete will tell you what's new in that version. Click **Download** to have BBAutoComplete download the `.dmg` file for the new version to your downloads folder. Click **Download & Install** to have it download the `.dmg` and then update the installed BBAutoComplete application to the new version. For more information, please see [Updating From a Previous Version](#).

Installing a Fresh Copy

You can hold down the Option key when you click **Check Now** to make BBAutoComplete always download the latest version, even if your version is already up-to-date. This is an easy way to download and re-install a fresh copy of BBAutoComplete if your copy is damaged.

Privacy

To check for a new version, BBAutoComplete contacts a Web server at `c-command.com` over a secure connection. BBAutoComplete transmits the following information to the server: the name of the product (BBAutoComplete) and its version, the version of macOS, the kind of Mac and processor, whether BBAutoComplete has been purchased, whether it is running in dark mode, and the name of the current language. This information is used to guide future development. No personal information is transmitted.

Mac App Store

If you purchased DropDMG or EagleFiler via the Mac App Store, the **Software Update...** menu command is not present, and updates are available via the **App Store** application.

5 Preferences

5.1 Find completions using spell checker

This option causes BBAutoComplete use macOS's built-in spell checker to find additional completions for the text that you've typed, after you've cycled through all the completions available in the current window and other open documents. This is useful when the open documents don't contain much text, and therefore aren't very useful for suggesting completions. It can also be used to help type words that you aren't quite sure how to spell. One reason to turn this option off would be if you often cycle through the whole list of completions and want to avoid cycling through a potentially long list of suggestions from the spell checker.

5.2 Use word cache

This option makes BBAutoComplete faster at suggesting completions, at the expense of using additional memory.

5.3 Extra word characters

Depending on the kind of words that you type, you may want to adjust BBAutoComplete's list of word characters. The effects of doing this can be surprising. For example, if you add `.` (period) as a word

character, and your document contains:

```
foo.html  
www.apple.com
```

Then you will be able to complete:

```
f
```

```
to:
```

```
foo.html
```

```
or:
```

```
w
```

```
to:
```

```
www.apple.com
```

On the other hand, if your document contains:

```
foo.method()
```

you would not be able to complete:

```
bar.m
```

```
to:
```

```
bar.method
```

because BBAutoComplete will see the `foo.method` as a single word. When `.` is not a word character, the `method` is seen as a separate word, and so it can be used for completion.

If you work a lot with HTML, you could add these word characters:

```
<>/
```

and this will make it easier to complete tags.

6 Frequently Asked Questions (FAQ)

6.1 What information should I include when I report a problem?

It will be faster and easier to help you if your e-mail includes all of the following information:

The version of macOS that you are using

Click on the Apple menu and choose **About This Mac**.

The version of BBAutoComplete that you are using

Click on the BBAutoComplete menu and choose **About BBAutoComplete**. (Please do not say “the latest version,” as this is ambiguous.)

Specific error information

Please see [Sending in an Error Report](#).

If something isn’t working as you expect

Please describe what you did, what happened, and what you expected to happen instead. If possible, take a screenshot or two that illustrate the problem (see [Sending in Screenshots](#)).

If BBAutoComplete hangs or freezes

Please see [Sending in a “Sample” Report](#).

6.1.1 Sending in an Error Report

If an error window appeared on your screen, please include the exact text of the error message in your e-mail. (It may help to use **Copy** and **Paste**.)

Please also send in any errors that were reported in the system log:

1. From BBAutoComplete’s **Help** menu, choose **Save Diagnostic Report...** at the bottom. (If you can’t launch BBAutoComplete to access its **Help** menu, see below.)
2. Choose a location such as your desktop and click **Save**. Saving the report may take a minute or so.
3. Create an e-mail to bbautocomplete@c-command.com²¹ and drag the `Diagnostic Report.tbz` file into the e-mail message to include it as an attachment/enclosure.

If you can’t launch BBAutoComplete, you can access the log directly, rather than using the automated diagnostic reporter:

macOS 10.12 and Later

1. Click on Finder in the Dock.

²¹<mailto:bbautocomplete@c-command.com>

2. From the **Go** menu, choose **Utilities**.
3. Double-click the Console application.
4. Click on your Mac under **Devices** at the left side of the window. (It may be necessary to first choose **Show Sources** from the **View** menu.)
5. From the **Action** menu, choose **All Messages**. Make sure that **Include Info Messages** and **Include Debug Messages** are both unchecked.
6. If **Activities** is selected (blue) in the toolbar, click it to turn off activities mode.
7. If the main part of the window shows any recent error messages, select them (or choose **Edit** ▸ **Select All**).
8. There are two ways to share the selected part of the log with us:
 - *Easier*: Click the **Share** button in the toolbar and select **Mail**. (If you do not use Apple Mail as your mail client, you can instead **Copy** and **Paste** the log messages into your mail client.)
 - *Preferred*: Choose **Edit** ▸ **Copy**. Open TextEdit and **Paste** the text into a new plain text document. Save the TextEdit document to disk and attach it to your e-mail message.

macOS 10.11 and Earlier

1. Click on Finder in the Dock.
2. From the **Go** menu, choose **Utilities**.
3. Double-click the Console application.
4. Click on **All Messages** at the left of the window. (It may be necessary to first click the **Show Log List** toolbar button if you don't see **All Messages** at the left.)
5. If it shows any recent error messages, select them (or choose **Edit** ▸ **Select All**).
Note: You may need to click the **Earlier** button at the bottom of the window to find errors that did not occur recently.
6. Choose **File** ▸ **Save Selection As...** and save the file as `My Log.log` on your desktop.
7. Drag this file into your e-mail message to include it as an attachment/enclosure.

6.1.2 Sending in Screenshots

To take a screenshot, hold down the Command and Shift keys and press the number 4. Then use the mouse to select the area of the screen that you want to take a picture of. This will create a file called `Screen Shot <date> at <time>.png` on your desktop. Pressing the keys again will create `Screen Shot <date> at <new time>.png`, etc.

You can also take screenshots using the **File** ▸ **Take Screenshot** command in the Preview application.

To send in screenshots, drag the files into your e-mail window to attach them to your message. If you're using Apple Mail, be sure to set the **Image Size** pop-up menu at the bottom of the message window to **Actual Size**.

6.1.3 Sending in Crash Log Files

If BBAutoComplete itself crashes, the **BBAutoComplete Crash Reporter** window should automatically come up. Make sure that you enter a valid e-mail address and then click the **Send Report** button.

Crash logs are stored in the folder:

```
/Users/<username>/Library/Logs/DiagnosticReports/
```

First click on the Finder in the Dock, then click on the **Go** menu, and hold down the Option key as you choose **Library**. Open the **Logs** folder, then **DiagnosticReports**.

Once you've opened the **DiagnosticReports** folder, find the most recent crash log file for the app that crashed and add it to your e-mail message to bbautocomplete@c-command.com²² as an attachment.

6.1.4 Sending in a “Sample” Report

If a program is slow, hangs (e.g. with a spinning beachball), or freezes, a “sample” report can record what your Mac was doing in order to locate the source of the problem.

1. Click on Finder in the Dock.
2. From the **Go** menu, choose **Utilities**.
3. Double-click the Activity Monitor program.
4. Select BBAutoComplete in the **Activity Monitor** window.
5. Do whatever it is in BBAutoComplete that causes the slowness, hang, or freeze. *Immediately*, click on Activity Monitor in the Dock and choose **Sample Process** from the **View** menu.
6. After Activity Monitor has finished taking the sample, click the **Save...** button in the “Sample of BBAutoComplete” window. Save the file to your desktop and then include it in your e-mail message to bbautocomplete@c-command.com²³ as an attachment. (Please do not copy and paste the text from the Activity Monitor window.)

6.2 How can I open the Library folder?

The user library folder is stored at the path `/Users/<username>/Library/`. The way to access it is different depending on which version of macOS you are using:

macOS 10.12.3 and Later

The **Library** folder is hidden by default. To open it, click on Finder in the Dock. Click on the **Go** menu at the top of the screen, hold down the Option and Shift keys, and then choose **Library**. (Only one of Option

²²<mailto:bbautocomplete@c-command.com>

²³<mailto:bbautocomplete@c-command.com>

and Shift is needed, but due to an [OS bug](#)²⁴, which one you need to hold down can vary. Thus, it is easier to hold down both.)

Another way to access the **Library** folder is to choose **Home** from the **Go** menu, then type Command-Shift-Period to show invisible files, and then open the **Library** folder.

Mac OS X 10.7 Through 10.12.2

The **Library** folder is hidden by default. To open it, click on Finder in the Dock. Click on the **Go** menu at the top of the screen, hold down the Option key, and then choose **Library**.

Another option is to go to your home folder, choose **View** ▸ **Show View Options** and then make sure that **Show Library Folder** is checked.

Mac OS X 10.6

Click on Finder in the Dock, click on the **Go** menu, and choose **Home**. This will show your home folder, and you can open the **Library** folder directly.

7 Legal Stuff

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Title

²⁴<http://robservatory.com/more-about-macos-sierra-and-library-shortcut-keys/>

²⁵<mailto:mjt@c-command.com>

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Components

The following open-source components are used in BBAutoComplete:

- Regular expression support is provided by the [PCRE](http://www.pcre.org)²⁶ library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England.
- [Core Foundation](http://www.opensource.apple.com/source/CF/CF-368.28/)²⁷ is available under the terms of the [Apple Public Source License](http://www.opensource.apple.com/license/apsl/)²⁸.
- `CwIDemangle.swift` is Copyright © 2017 Matt Gallagher and is available under the [Apache License v2.0 with Runtime Library Exception](http://swift.org/LICENSE.txt)²⁹.
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- Thanks to Allan Odgaard for some code snippets that are used in the Software Update installer.

8 Version History

1.6.1—September 3, 2019

²⁶<http://www.pcre.org>

²⁷<http://www.opensource.apple.com/source/CF/CF-368.28/>

²⁸<http://www.opensource.apple.com/license/apsl/>

²⁹<http://swift.org/LICENSE.txt>

³⁰<http://growl.info>

- The [Software Update...](#) installer now works on macOS 10.15. If you've already updated to macOS 10.15, you can use it to download the new version but will have to install it manually, as described in the [Updating From a Previous Version](#) section of the manual.
- BBAutoComplete now supports the Hardened Runtime on macOS 10.14 and later.
- BBAutoComplete is now notarized by Apple.
- Fixed a bug where the front-window-only script for BBEdit reported an error.
- The **About** window now includes a link to the privacy policy and has an updated layout.
- Improved support for Dark Mode.
- Improved the diagnostic report.
- Updated to Xcode 10.3.

1.6—September 4, 2018

- BBAutoComplete now supports Dark Mode on macOS 10.14.
- Added support for [Hiding the Dock Icon](#).
- Fixed a bug where BBEdit 12 would report an error if you invoked BBAutoComplete while a palette was open.
- Improved the [Extra word characters](#) and [Requirements](#) sections of the manual.
- The new **Save Diagnostic Report...** command in the **Help** menu provides an easier way of recording error logs and other information to send to technical support.
- Made various code modernizations.
- Renamed “Mac OS X” to “macOS” throughout the app and documentation.
- Removed the embedded Growl framework, as it was not used.
- The [Software Update...](#) feature and crash reporter now use HTTPS.
- Documentation and **Help** menu links to `c-command.com` now use `https` instead of `http`.
- Worked around a badly worded OS certificate error when checking for a software update.
- Improved the error reporting for the [Software Update...](#) command.
- Added support for App Transport Security.
- Fixed a bug where [Software Update...](#) would continue offering updates in the same session in which you had held down the Option key.
- Increased the font size in the [Software Update...](#) window.
- Added accessibility label in the **Software Update** window.
- The [Software Update...](#) feature and crash reporter now use HTTPS.
- Worked around a macOS bug that could cause a crash during [Software Update...](#)
- The **About**, **Software Update**, and help windows now use the San Francisco font on Mac OS X 10.11.
- The [About BBAutoComplete](#) window now uses the system language names.
- Fixed the size of the distribution disk image window.
- Worked around a Finder bug that could cause the disk image's icons to be misaligned if the `AppleShowAllFiles` option was enabled.
- The distribution disk image is now signed for Gatekeeper.
- BBAutoComplete now requires macOS 10.7 or later. Versions of BBAutoComplete for [macOS 10.6 and earlier](#) are available.

1.5.5—November 19, 2014

- Revised the instructions for Microsoft Word to recommend running the script using FastScripts because that seems to work around a bug in Word 2011.
- Clarified the locations of script folders.
- Modernized lots of code and removed old code that's no longer needed for compatibility with legacy OS versions.
- BBAutoComplete is better at repairing folder ownership and permissions.
- Updated the Gatekeeper signature format.
- The [Software Update...](#) feature is better at explaining what you can do if installation fails.
- Improved error reporting when BBAutoComplete can't connect to the update server.
- Worked around a bug in Mac OS X 10.10 that could cause BBAutoComplete to freeze at launch.
- Improved the error reporting.
- Updated the disk image icon for Mac OS X 10.10.
- The disk image is now optimized for Retina displays.
- Adjusted the font sizes in the PDF manual.
- Fixed a bug where the release notes in the [Software Update...](#) window were shown in the wrong font.
- Fixed a bug where BBAutoComplete could crash if Microsoft Word returned invalid information about the selection.
- BBAutoComplete now requires Mac OS X 10.6.8 or later. Versions of BBAutoComplete for [Mac OS X 10.5](#) and [earlier](#) are available.

1.5.4—April 25, 2012

- Added support for [TextWrangler](#)³¹ 4. Also, completion now works in TextWrangler search results browser windows.
- BBAutoComplete now has an automatic keyboard shortcut in [Microsoft Word 2011](#)³². (Previous versions of Word need [FastScripts](#)³³ to assign a shortcut.)
- BBAutoComplete now runs as 64-bit under Mac OS X 10.6 and later, which should make it launch faster.
- BBAutoComplete is now code-signed using a [Developer ID certificate](#)³⁴ for Gatekeeper.
- Modernized the **Software Update** window and code.
- Made various improvements to the documentation.
- Updated the disk image and Apple Help layouts.

1.5.3—September 12, 2008

- When using BBEdit 9, auto-completion now works in disk browser, project, and search results windows.
- BBAutoComplete now requires Mac OS X 10.4 or later.

1.5.2—January 9, 2008

³¹<http://www.barebones.com/products/textwrangler/>

³²<http://www.microsoft.com/mac/word>

³³<http://www.red-sweater.com/fastscripts/>

³⁴<http://www.apple.com/macosx/mountain-lion/security.html>

- Fixed bug where BBAutoComplete was needlessly logging to the console.
- The software updater is better at handling invalid downloads folders.

1.5.1—November 14, 2007

- Fixed bug where the Apple Help didn't work on Mac OS X 10.5.
- Fixed bug where the [Software Update...](#) checker didn't always re-check for new updates.
- The [Software Update...](#) feature now checks whether the updated version can run on your installed version of Mac OS X.
- Modernized the crash reporter code.
- Fixed help book icon.

1.5—February 7, 2007

- BBAutoComplete now requires Mac OS X 10.3 or later.
- Now works with [Microsoft Word](#)³⁵.
- Added [Find completions using spell checker](#) option. This is useful when the open documents don't contain much text, and therefore aren't very useful for suggesting completions. It can also be used to help type words that you aren't quite sure how to spell.
- Can now find completions in BBEdit and TextWrangler results browser windows.
- Rewrote the [Software Update...](#) feature. When a new version is available, it can now show you the release notes. BBAutoComplete now downloads the new version itself, rather than relying on your browser. The **Download & Install** button will cause BBAutoComplete to auto-update itself to the latest version. Also, the software update checker now works behind HTTP proxies.
- Added keyboard shortcut for **Hide Others**.
- Improved compatibility with pre-release versions of Mac OS X 10.5.
- Added Danish localization.

1.4.2—January 25, 2006

- BBAutoComplete is now a [universal binary](#)³⁶.
- Can now look for completions in the preview panes of BBEdit and TextWrangler disk browsers.
- If [Path Finder](#)³⁷ is running, the **Show Scripts** command reveals the scripts using it instead of the Finder.
- The **Software Update** alert is now a sheet, so it won't interfere with auto-completion.
- Improved scaling of the icon.

1.4.1—February 7, 2005

- Now supports [TextWrangler](#)³⁸ 2.0's documents drawer.
- The **Front Only Smile**³⁹ script now works with European keyboards.
- Added example of changing the word characters.

1.4—January 10, 2005

³⁵<http://www.microsoft.com/mac/word>

³⁶<http://www.apple.com/universal/>

³⁷<http://www.cocoatech.com/pf4/>

³⁸<http://www.barebones.com/products/textwrangler/>

³⁹<http://www.satimage.fr/software/en/index.html>

- Now works with [Smile](#)⁴⁰.
- Fixed bug where BBAutoComplete sometimes didn't realize that the front window's text had changed, and so it returned the wrong completion.

1.3—September 21, 2004

- Now works with [Affrus](#)⁴¹.
- In [BBEdit](#)⁴² 8, now supports shell worksheets and multiple documents in the same window.
- The AppleScripts are now packaged inside the application; they can be accessed using the **Show Scripts** command in the **BBAutoComplete** menu.
- Added software update checker and crash reporter.
- Added **Close All Windows** and **Minimize All Windows** commands.
- Now requires Mac OS X 10.2 or later.

1.2—August 13, 2003

- Now works with [Script Debugger](#)⁴³, [Tex-Edit Plus](#)⁴⁴, and [TextWrangler](#)⁴⁵.
- Added new icon.
- Refined and updated the interface.
- Added Apple Help.
- Fixed bug in Mailsmith script.
- The Quit script no longer cancels logout.

1.1.2—March 26, 2002

- Now works with Mailsmith 1.5.

1.1.1—March 18, 2002

- Removed profiling code, so no longer creates `gmon.out` files at root of the boot volume.

1.1—March 16, 2002

- Parsing words is between 20 and 70 times faster than in 1.0.1 (for an 80KB window), with greater improvements on low-memory systems.
- The new word cache further speeds processing.
- BBAutoComplete can optionally ignore background BBEdit windows.
- Includes an `Open BBAutoComplete` script for BBEdit's `Startup Items` folder.

1.0.1—February 27, 2002

- The Quit AppleScript is saved as an application now—so it works.

1.0—February 26, 2002

- First public release.

⁴⁰<http://www.satimage.fr/software/en/index.html>

⁴¹<http://www.latenightsw.com/affrus/>

⁴²<http://www.barebones.com/products/bbedit/>

⁴³<http://latenightsw.com>

⁴⁴<http://www.tex-edit.com>

⁴⁵<http://www.barebones.com/products/textwrangler/>