



MD5 Checker User Manual

MD5 Checker.....	2
Introduction.....	2
Requirements	2
Licence	2
Author.....	2
Starting MD5	3
Selecting a File.....	3
MD5 Check.....	4
List a Directory	6
MD5 Check - Files in the List Box.....	8
MD5 List to Text File.....	8
MD5 List to CSV File	9
Keyboard Shortcut Keys.....	10
Additional Information.....	11
Change Log.....	11

MD5 Checker

Introduction

MD5 Checker is a program designed to generate a file's MD5 hash and check it against a published one. Later versions of the program (version 3 and above) can list all files in a directory.

The program has been designed to be simple and easy to use. Please take a little time to read the user manual in order to get the most out of the program.

Requirements

Windows®. MD5 Checker version 3.5.1 has been tested with XP.

Licence

This software is provided as Freeware on an *as is* basis, without any express or implied warranty. In no event shall the author be liable for any claim, damages or other liability, arising from, out of, or in connection with the software or the use or other dealings in the software.

Author

Author: George Jopling
Doncaster, UK
Website: <http://www.georgejopling.co.uk>

© George Jopling. MD5 Checker version 3.5.1. 1 June 2008.

Starting MD5

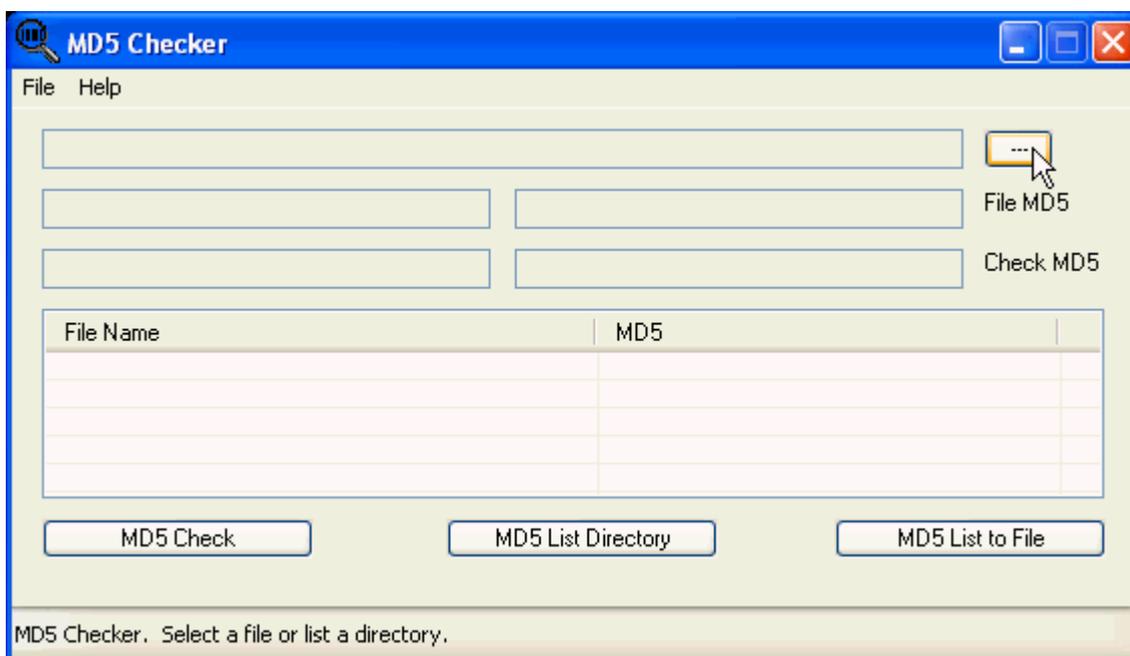


MD5 Checker
MD5 Check Utility Program
George Jopling

Start MD5 Checker by double-clicking the program icon.

Tip: Note the text information guide shown in the status bar at the bottom. The status bar indicates the current status of the program at all times.

Selecting a File



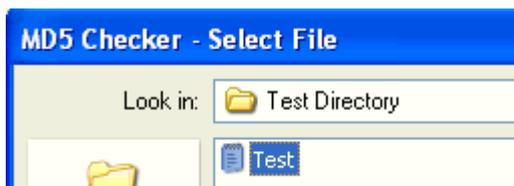
There are a few ways to select a file for processing and checking.

Click on the file selector button (shown above)

Click on the menu item File and then Select File

Press and hold down the Alt key on the key board and then press the letter F and F again

Use the keyboard shortcut Ctrl + F

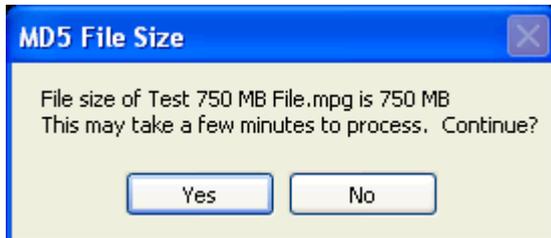


MD5 Checker will default to showing files in the directory where it was started from.

Tip: Copy MD5 Checker.exe into the directory where you wish to check files to save having to navigate through directories.

Select the file to be checked and click on the Open button.

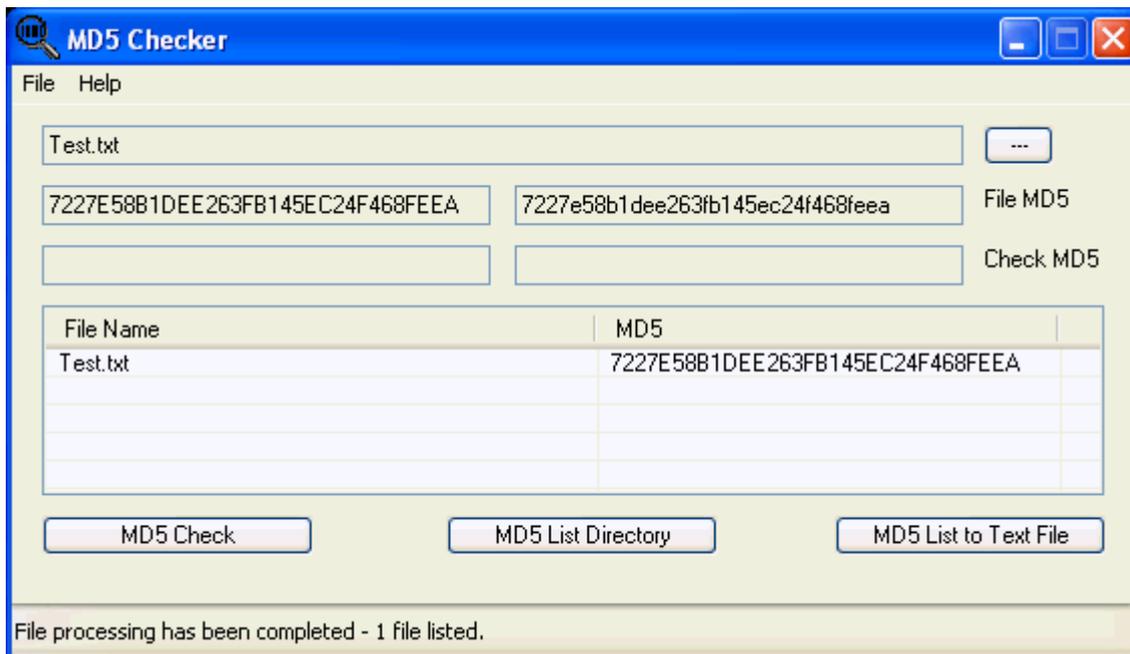
MD5 Checker will prompt you before processing files above 500 MB in size as these may take a few minutes to process.



Click on the Yes or No button to continue.

MD5 Check

Once a file has been selected and processed the details are shown in the appropriate text boxes. The file name is shown at the top and underneath its MD5 hash in upper and lower case.



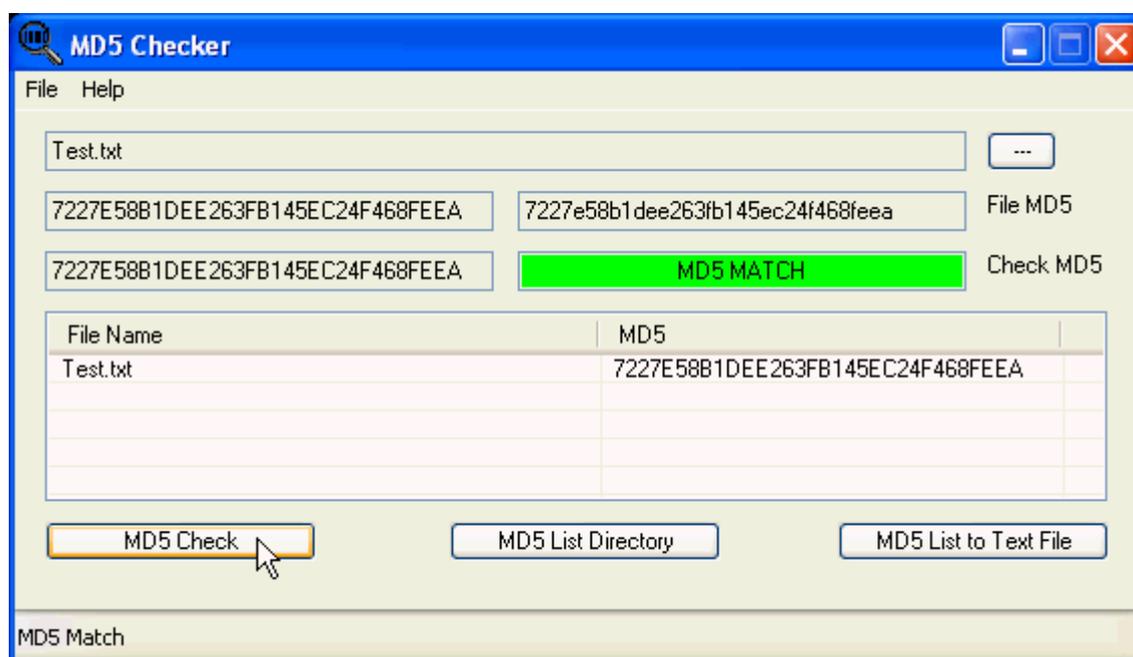
Copy the file's published MD5 hash to the Clipboard.

This can be done by highlighting the MD5 hash and then right-clicking the mouse button and selecting Copy from the drop down menu.



MD5 file hashes may be obtained from websites or supplied on a DVD or CD.

Tip: Use only MD5 hashes from a trusted source such as a program author's website or on a DVD/CD supplied directly to you from a trusted supplier.



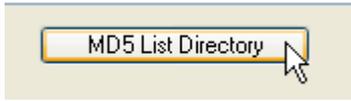
Click on the MD5 Check button, use the menu options or keyboard shortcut Ctrl + C.

A match or mismatch indication is given. If there is no MD5 hash available on the Clipboard a check will not be made.

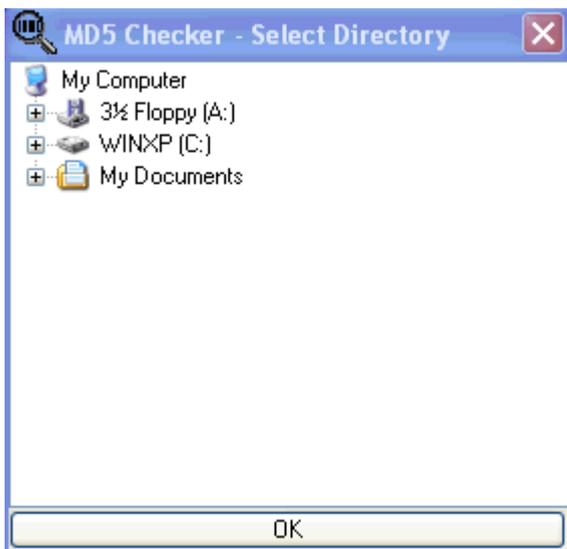
You can now select another file, list a directory or create a text file of all files shown in the list box. Click on the appropriate button.

List a Directory

MD5 Checker will list the entire file contents of a directory.



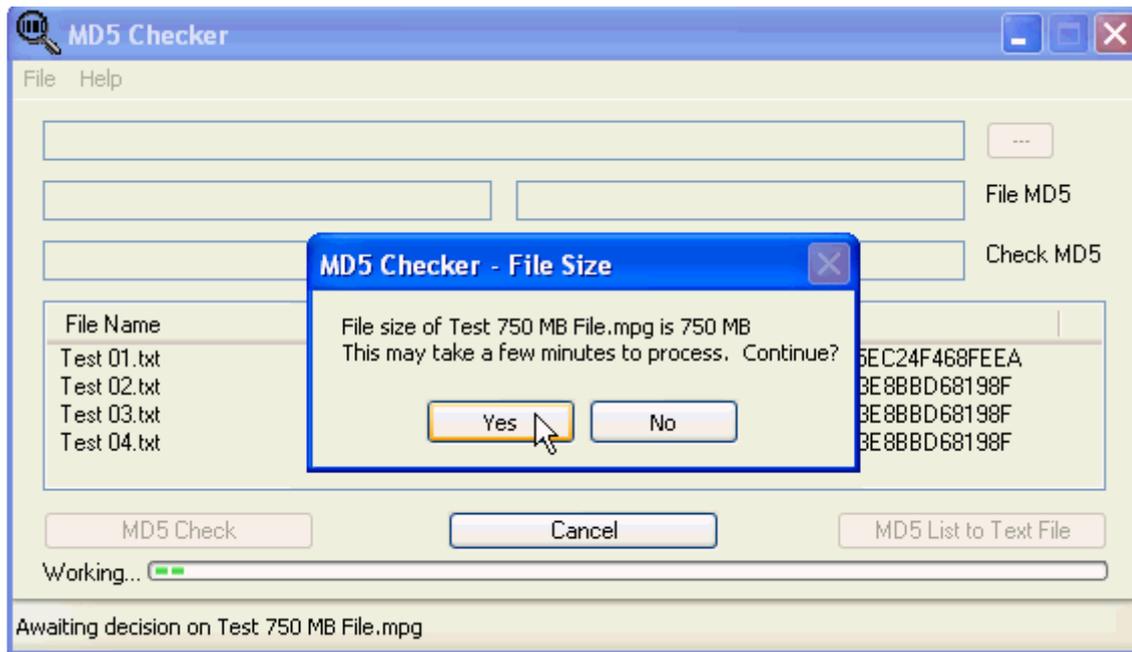
Click on the MD5 List Directory button, use the menu options or keyboard shortcut Ctrl + D to display the Select Directory box.



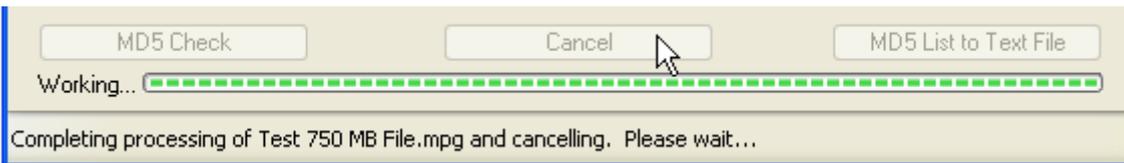
Navigate to the directory that you want to list and click on the OK button. Clicking the OK button without navigating to a directory will list the file contents of the directory where MD5 Checker was started from.

Tip: Copy MD5 Checker.exe into the directory you wish to list files to save having to navigate through directories.

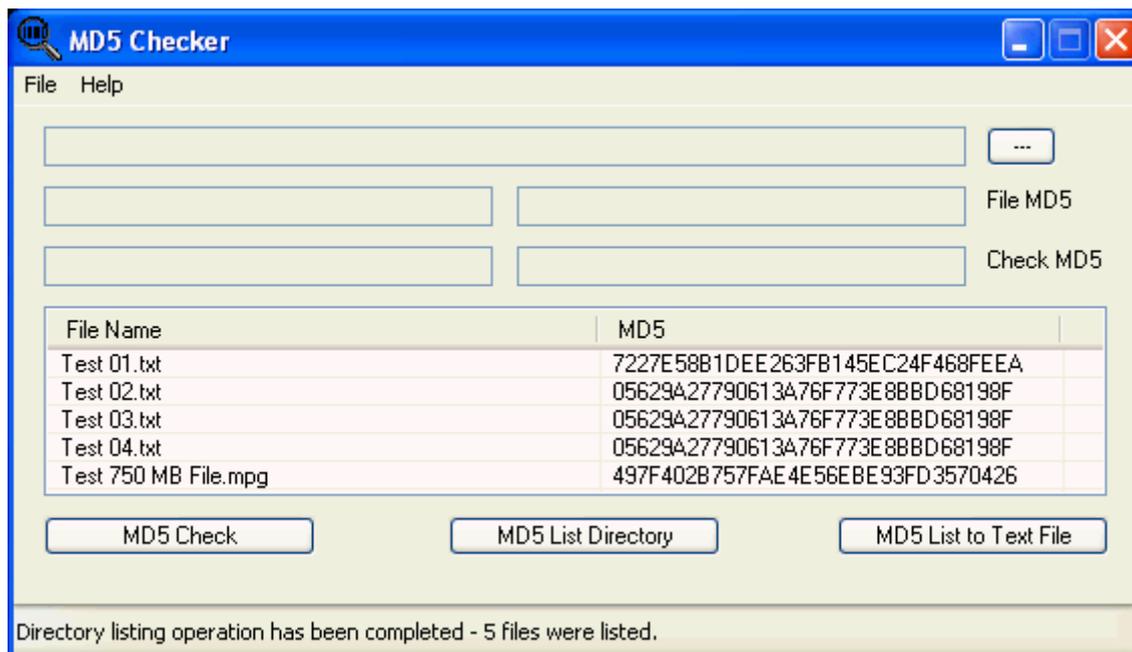
NB. MD5 Checker will not list files in Windows System folders..



MD5 Checker will prompt you before processing files above 500 MB in size as these may take a few minutes to process. Click on Yes or No to continue.



Click on the Cancel button at any time during the listing process. MD5 Checker will complete processing of the file it is currently working on and then cancel the listing. The status bar will indicate this.

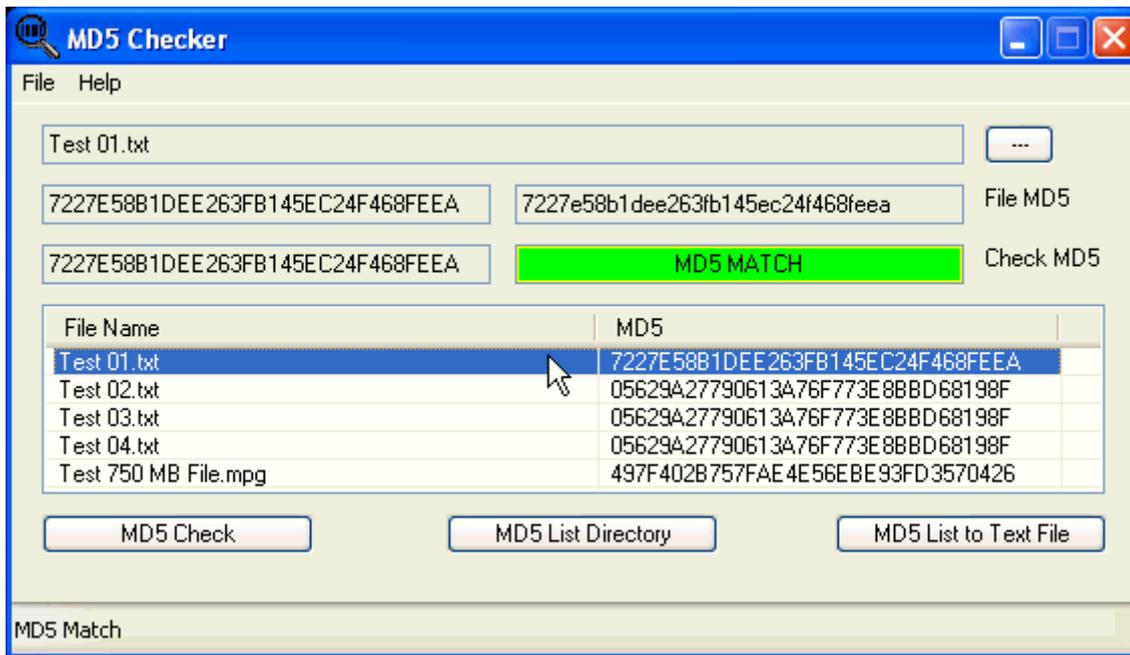


All files in the selected directory and their corresponding MD5 hashes are listed in the list box.

MD5 Check - Files in the List Box

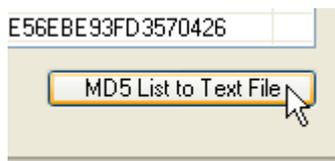
MD5 Checker allows you to check the MD5 hash of any file listed in the list box.

Copy the published MD5 hash to the clipboard as shown before and then click on the file name or its MD5 hash in the list box. The file details are populated into the text boxes above and a check is automatically made with the published MD5 hash on the Clipboard.



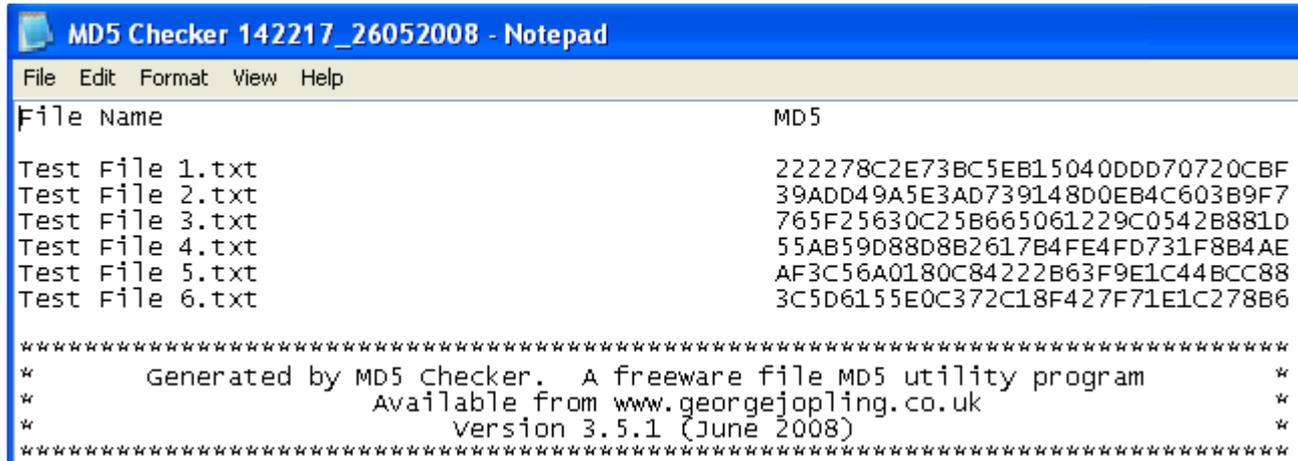
A match or mismatch indication is given. If there is no MD5 hash available on the Clipboard a check will not be made. The user can now list further files and then make any number of MD5 hash checks.

MD5 List to Text File



MD5 Checker can generate a formatted text file output of all files currently listed in the list box.

Click on the MD5 List to Text File button, use the menu options or keyboard shortcut Ctrl + T.

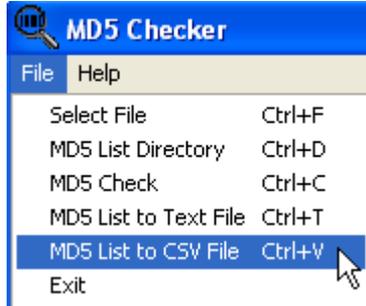


The text file name is in the format of hours, minutes, seconds, underscore, day, month, year. The file is automatically displayed using the associated text file program on your computer (Notepad in the example given above).

Long file names are truncated in the text file output and are indicated by a tilde (~).

Tip: If you distribute files on DVD/CD, MD5 Checker can be used to list all the files and their MD5 hashes. Add the generated text file and MD5 Checker.exe to the disk!

MD5 List to CSV File



MD5 Checker can generate a CSV (Comma Separated Values) file output of all files currently listed in the list box. This can be opened using a spreadsheet program or imported into a database.

Click on the menu item File and select MD5 List to CSV File or use the keyboard shortcut Ctrl + V.

	A	B	C
1	File Name	MD5	
2	Test File 1.txt	222278C2E73BC5EB15040DDD70720CBF	
3	Test File 2.txt	39ADD49A5E3AD739148D0EB4C603B9F7	
4	Test File 3.txt	765F25630C25B665061229C0542B881D	
5	Test File 4.txt	55AB59D88D8B2617B4FE4FD731F8B4AE	
6	Test File 5.txt	AF3C56A0180C84222B63F9E1C44BCC88	
7	Test File 6.txt	3C5D6155E0C372C18F427F71E1C278B6	
8			

The text file name is in the format of hours, minutes, seconds, underscore, day, month, year. The file can be opened in Excel/Calc or imported into a database.

Tip: If you distribute files on DVD/CD, MD5 Checker can be used to list all the files and their MD5 hashes. Add the generated CSV file and MD5 Checker.exe to the disk!

Keyboard Shortcut Keys

Keyboard shortcuts were introduced in version 3.5 and are the quickest way to navigate around MD5 Checker.

Keyboard shortcuts.

Ctrl + F – Select File

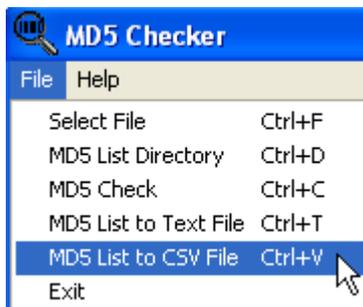
Ctrl + D – List Directory

Ctrl + C – MD5 Check

Ctrl + T – MD5 List to Text File

Ctrl + V – MD5 List to CSV File

The keyboard shortcuts are shown alongside the menu items.



Additional Information

MD5 Checker does not contain any spyware or advertising. Computer engineering and computer programming are my hobbies. I enjoy writing such programs and I hope that they are useful to you.

Please note that large files will take longer to read and process by MD5 Checker.

The Status Bar messages shows the current status of MD5 Checker.

If you do spot any errors or bugs, please email md5checker@georgejopling.co.uk

I am currently working on a Linux version of MD5 Checker.

Change Log

Current version: **3.5.1**

Version 3.5.1. (1 June 2008)
CSV file output of the list box contents
Improved reporting of file sizes over 500 MB

Version 3.5. (24 March 2008)

Code and design modifications and extra features added.

Select files in list box and MD5 check
Shortcut keys
Layout changes
Code optimisation

Version 3.1. (20 March 2008)

Fixed bug - cancel button not being enabled during additional List Directory processing requests.

Version 3.0. (17 March 2008)

The code has been completely rewritten and extra features added.

New design and layout
Directory processing
List box display
Progress bar display
Formatted text file output of the list box contents
Option to process files above 500 MB in size
Threading techniques used for processing