

## MD5 Checker User Manual

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# **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<sup>®</sup>. 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.

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## **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**

🔍 MD5 Checker	
File Help	
	File MD5
	Check MD5
File Name MD5	
MD5 Check MD5 List Directory MD5 L	ist to File
MD5 Checker. Select a file or list a directory.	

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 - Select File			
Look in:	C Test Directory		
2	Test		

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

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**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.

MD5 File Size	X
File size of Test 750 MB File.mpg is 750 MB This may take a few minutes to process. Cor Yes No	itinue?

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.

🔍 MD5 Checker			
File Help			
Test.txt			
7227E58B1DEE263FB145EC24F468FEEA	7227e5	3b1dee263fb145ec24f468feea	File MD5
			Check MD5
File Name		MD5	
Test.txt		7227E58B1DEE263FB145EC24F468	FEEA
MD5 Check M	ID5 List D	irectory MD5 List	to Text File
File processing has been completed - 1 file listed.			

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.

test.txt	MD5:	7227E58B1DEE263EB145EC24E468EEEA		
			Undo	
			Cut	
			Сору	N
			Paste	N
			Delete	
			Select A	411

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.

🔍 MD5 Checker		
File Help		
Test.txt		
7227E58B1DEE263FB145EC24F468FEEA	7227e58b1dee263fb145ec24f468feea	File MD5
7227E58B1DEE263FB145EC24F468FEEA	MD5 MATCH	Check MD5
File Name	MD5	
Test.txt	7227E58B1DEE263FB145EC24F468	EEA
MD5 Check	MD5 List Directory MD5 List t	o Text File
N		
MD5 Match		

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.

🔍 MD5 Checker - Select Directory	×
<ul> <li>My Computer</li> <li>a. Jie Floppy (A:)</li> <li>b Jie WINXP (C:)</li> <li>b My Documents</li> </ul>	
ОК	

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..

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er Manual		© 2008 George Jopling
👢 MD5 Checker		
ile Help		
		File MD5
	MD5 Checker - File Size	Check MD5
File Name Test 01.txt Test 02.txt Test 03.txt Test 04.txt	File size of Test 750 MB File.mpg is 750 MB This may take a few minutes to process. Continue?	5EC24F468FEEA 3E8BBD68198F 3E8BBD68198F 3E8BBD68198F 3E8BBD68198F
MD5 Check	Cancel	MD5 List to Text File
waiting decision on Test 75	0 MB File.mpg	

**MD5 Checker** 

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.

MD5 Check	Cancel	MD5 List to Text File		
Working				
Completing processing of Test 750 MB File.mpg and cancelling. Please wait				

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.

🔍 MD5 Checker		
File Help		
	···	
	File MD	5
	Check	MD5
File Name	MD5	
Test 01.txt	7227E58B1DEE263FB145EC24F468FEEA	
Test 02.txt	05629A27790613A76F773E8BBD68198F	
Test 03.txt	05629A27790613A76F773E8BBD68198F	
Test 04.txt	05629A27790613A76F773E8BBD68198F	
Test 750 MB File.mpg	497F402B757FAE4E56EBE93FD3570426	
MD5 Check	MD5 List Directory MD5 List to Text Fi	le
Directory listing operation has been completed -	- 5 files were listed.	

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

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## 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.

🔍 MD5 Checker			
File Help			
Test 01.txt			
7227E58B1DEE263FB145EC24F468FEEA	7227e5	i8b1dee263fb145ec24f468feea	File MD5
7227E58B1DEE263FB145EC24F468FEEA		MD5 MATCH	Check MD5
File Name		MD5	
Test 01.txt		7227E58B1DEE263FB145EC24F468	FEEA
Test 02.txt	45	05629A27790613A76F773E8BBD68	198F
Test 03.txt		05629A27790613A76F773E8BBD68	198F
Test 04.txt		05629A27790613A76F773E8BBD68	198F
Test 750 MB File.mpg		497F402B757FAE4E56EBE93FD357	0426
MD5 Check	MD5 List [	Directory MD5 List	to Text File
MD5 Match			

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 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.

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MD5 Checker 142217_26052008 - Notepad			
File Edit Format View Help			
File Name	MD5		
Test File 1.txt Test File 2.txt Test File 3.txt Test File 4.txt Test File 5.txt Test File 6.txt	222278C2E73BC5EB15040DDD70720CBF 39ADD49A5E3AD739148D0EB4C603B9F7 765F25630C25B665061229C0542B881D 55AB59D88D8B2617B4FE4FD731F8B4AE AF3C56A0180C84222B63F9E1C44BCC88 3C5D6155E0C372C18F427F71E1C278B6		
***************************************			
<ul> <li>Generated by MD5 Checker. A freeware 1</li> <li>Available from www.george</li> <li>Version 3.5.1 (June</li> </ul>	File MD5 utility program * ejopling.co.uk * 2008) *		

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	В	С
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