

DICOM Multi-Files Editor V1.0

This software is provided "as is" and "with all faults." We make no representations or warranties of any kind concerning the safety, suitability, lack of viruses, inaccuracies, typographical errors, or other harmful components of this software. There are inherent dangers in the use of any software, and you are solely responsible for determining whether it is compatible with your equipment and other software installed on your equipment. You are also solely responsible for the protection of your equipment and backup of your data, and We will not be liable for any damages you may suffer in connection with using, modifying, or distributing it.

This software is for educational, research, and not-for-profit purposes only.

Table Of Contents

| | |
|--------------------|-----|
| command line | 3 |
| open | 4-5 |
| write tag | 6 |
| options | 7 |
| generate uid | 8 |
| save header | 9 |
| find | 10 |

Command Line

Command Line Syntax

| | |
|----|--|
| -m | Multiple or single mode switch option. |
| -s | Include subdirectory switch option. |
| -t | Target Directory. The path must follow the argument. |
| -d | Private dictionary. The path and file name must follow the argument. |
| -h | Saved header. The header number(s) must follow the argument. |
| | The DICOM directory path or file name. |

Example:

Open one dicom file;

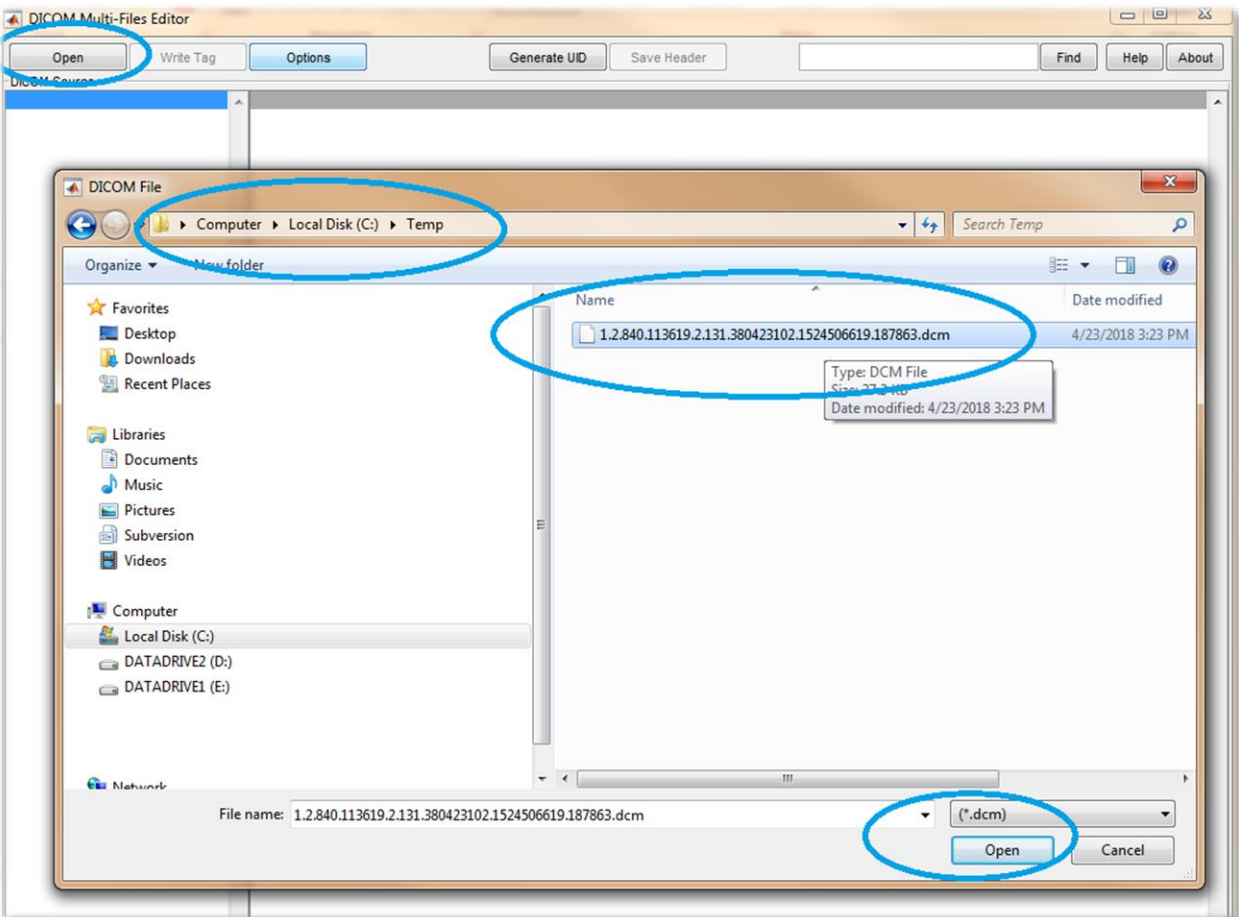
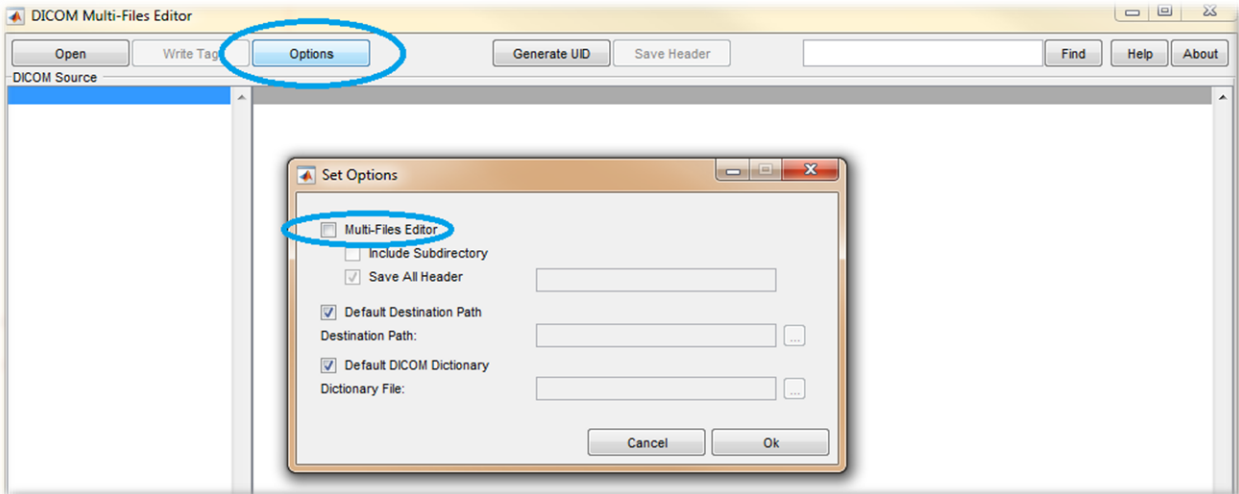
```
\> dicomMultiFilesEditor.exe "c:\dicom_path\dicom_file.dcm"
```

Open a DICOM file in multi-files mode, with a custom target, custom dicom dictionary. When 'save header' will be used, only the header 1,16 and 32 will be saved;

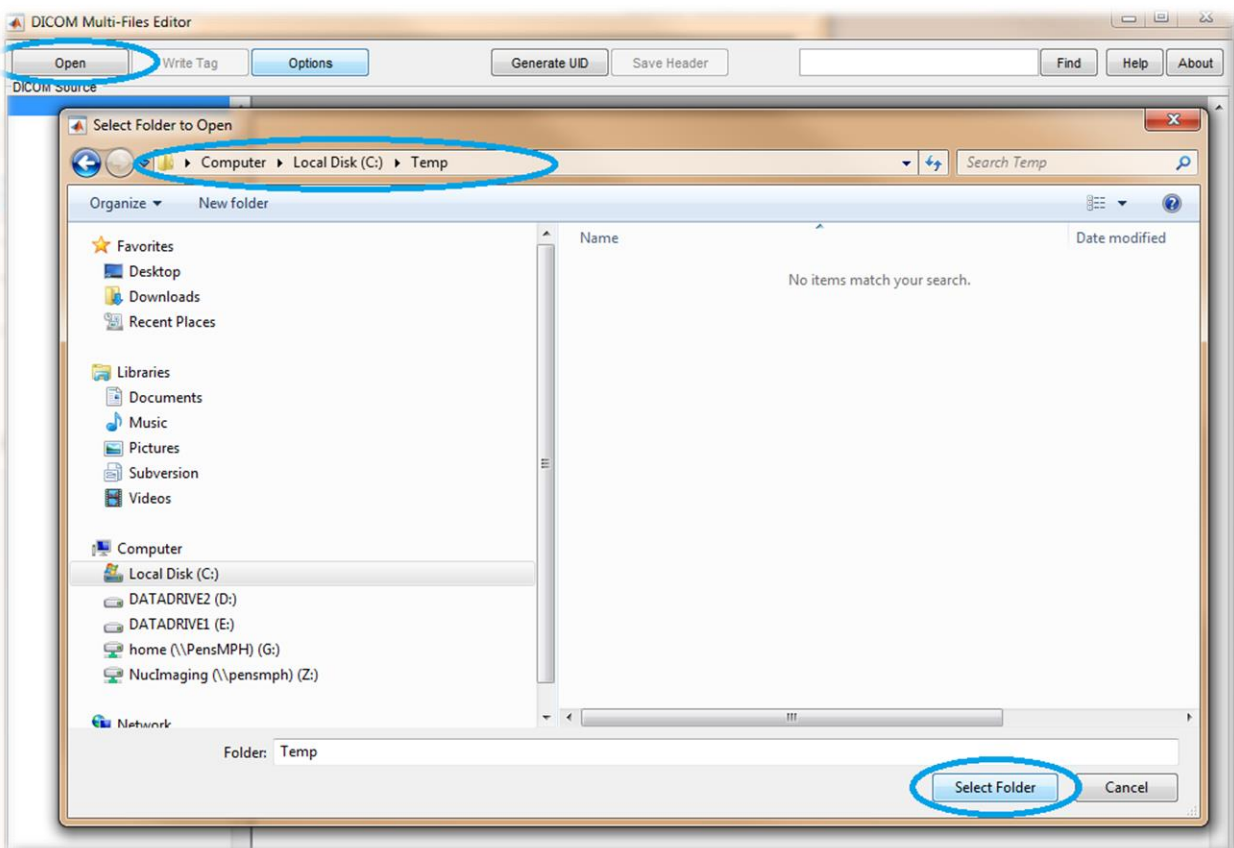
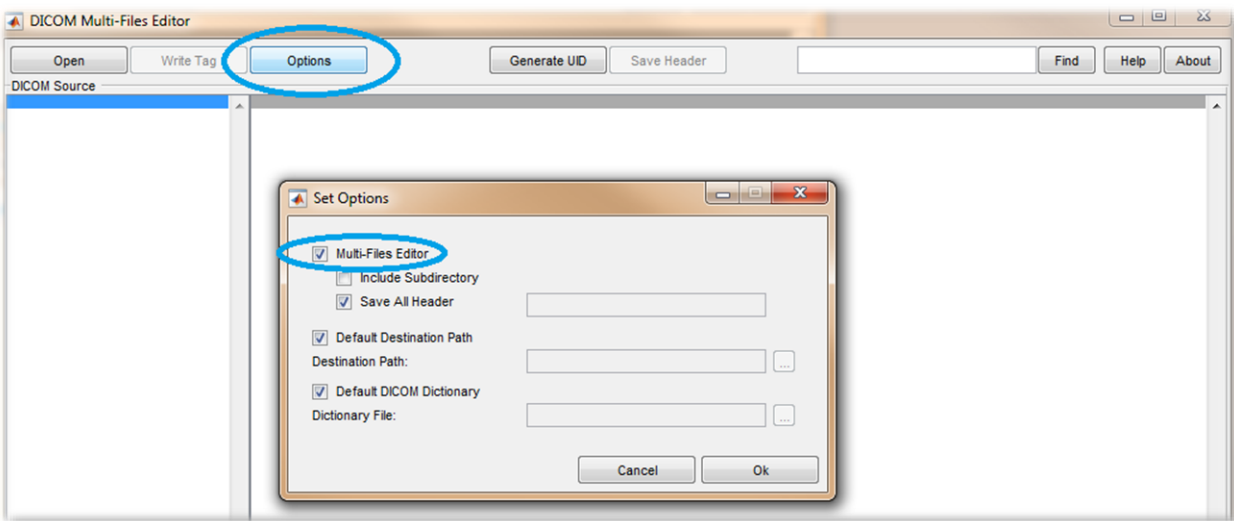
```
\> dicomMultiFilesEditor.exe "-m" "-t c:\temp" "-d c:\dicomMultiFilesEditor\dicom-dict-large.txt" "-h 1,16,32" "c:\dicom_path"
```

Open

When Multiple-Files is not activated; Open to select a single dicom file.

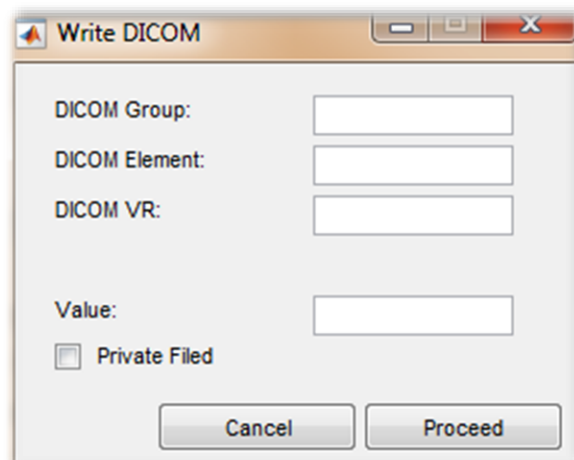
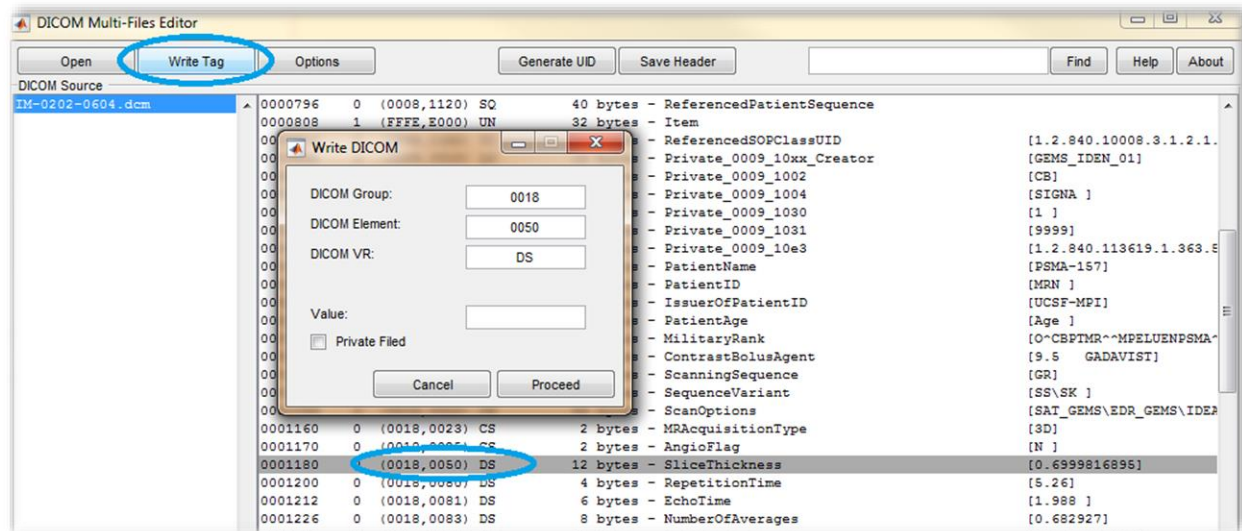


When Multiple-Files is activated; Open to select the directory that contain all dicom files.



Write Tag

Change a field value and create a new dicom file(s). If the element is select on the main Windows prior to use Write Tag, the DICOM Group, Element and VR will be preset. By "double clicking" an element of the main window will also open the Write Tag Window.



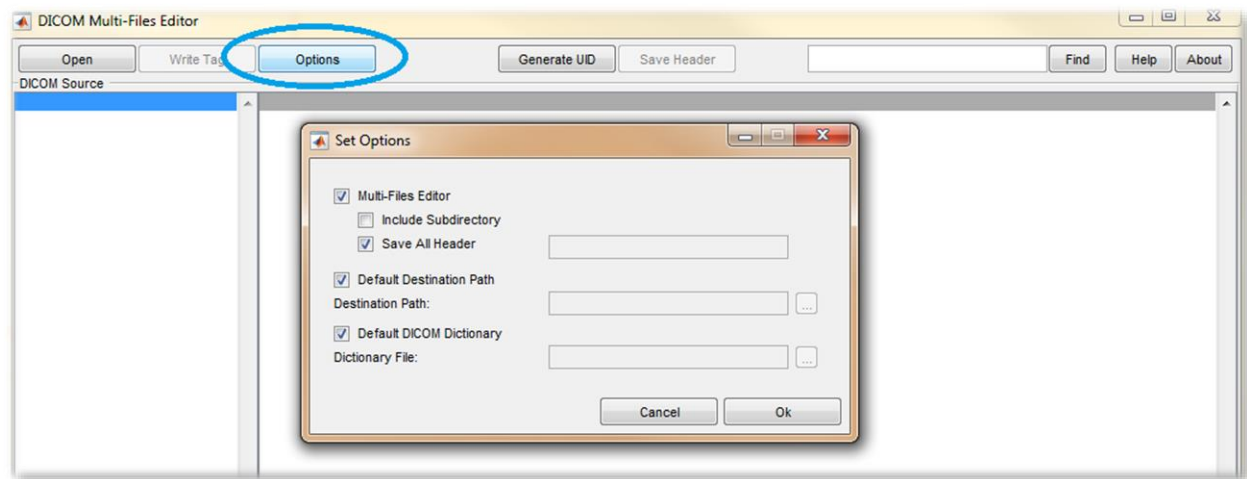
DICOM Group :

DICOM Element: The group and element number MUST be defined as hexadecimal number.

DICOM VR: The 'VR' code must be 2 letters and respected the DICOM standard.

Private Field: Overwrite an existing private field or create a new private field. This option is not needed when a custom DICOM dictionary of the private filed is selected.

Options



Multi-Files Editor: This option will interact with both Open and Save Header. When selected, Open the directory that contain all dicom files. The left Windows of the interface will display all the files. When not selected, only one dicom will be Written, one dicom header will be saved.

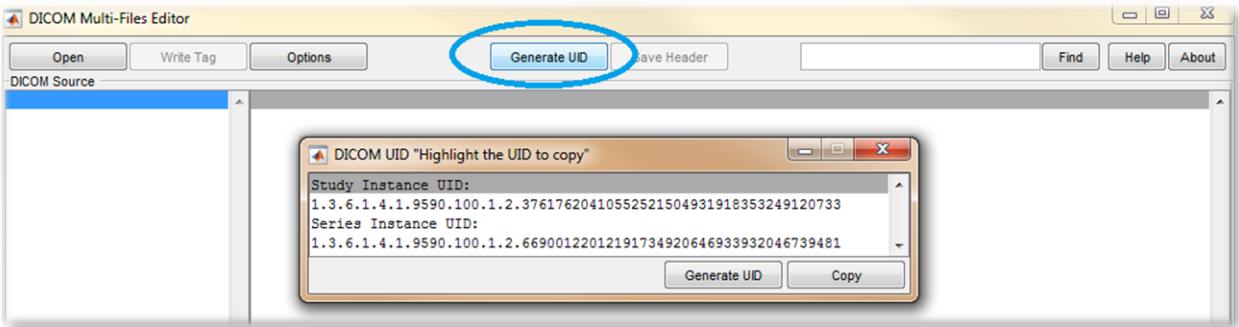
Save All Header: Available only when the Multi-Files mode is activated. When activated, the dicom header of all dicom files will be saved. When the option is not selected, the dicom file(s) number must be specified. Ex: 1,16,32 will saved the dicom header of file 1, 16 and 32.

Default Destination Path: When activated, all new dicom files will be saved under the directory selected by open. When not selected, a target directory need to be specify.

Default DICOM directory: When activated, the default matlab dicom dictionary will be used. When the option is not selected, a dicom dictionary must be specify.

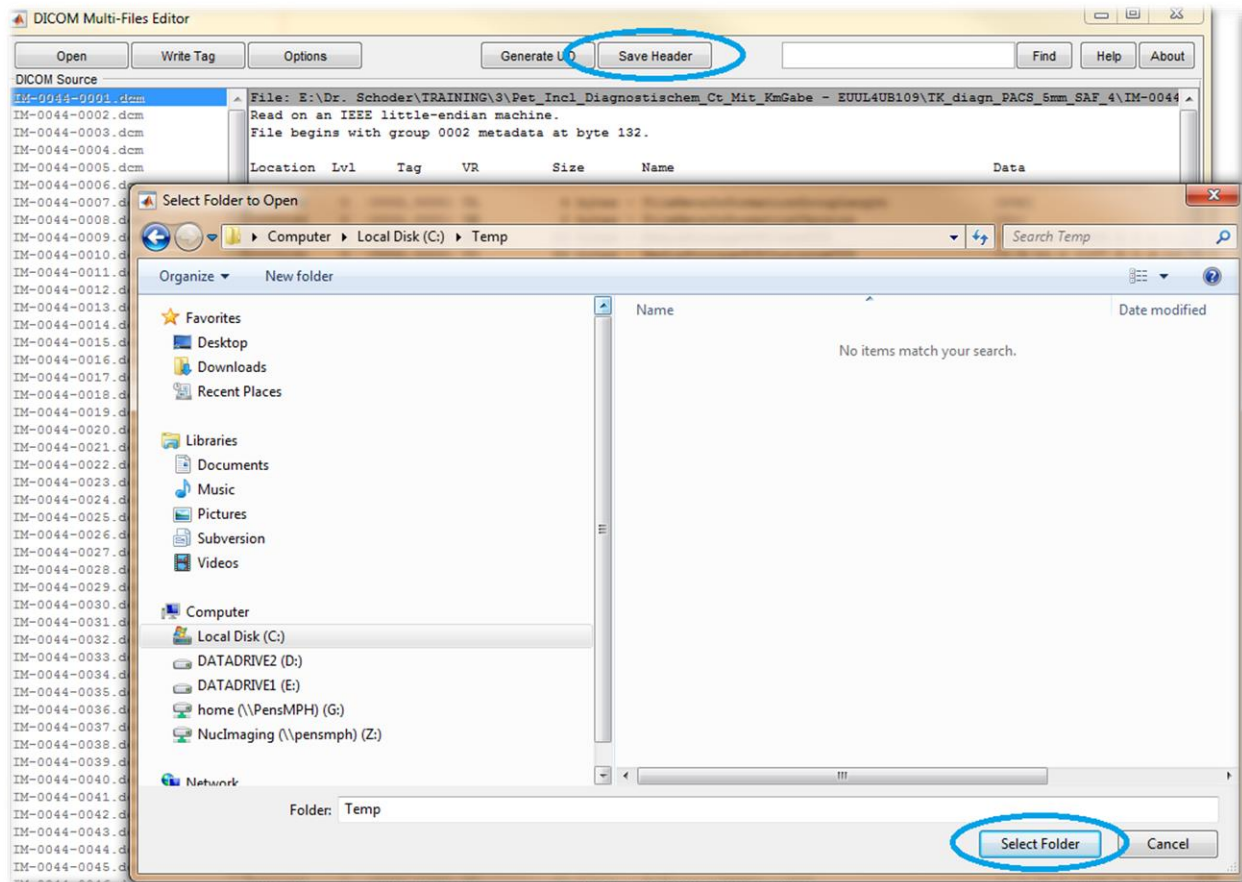
Generate UID

The tool generates a unique study instance UID and series instance UID. Highlight the study or series UID and copy it to the clipboard. Double click on the number will also copied it to the clipboard.



Save Header

The tool will save the dicom header, of all selected dicom files to a selected directory. Or will allow to to specify a destination and file name when the multi-Files editor is not selected.



Find

The tool will find any value from the loaded header. When the value is found, the line that contains it will be highlighted. Pressing find, or enter will search for the next value. By default, the search starts on top. The next search will start from the new highlighted position.

