
MediaInfo README

MediaInfo is a convenient unified display of the most relevant technical and tag data for video and audio files.



How to build MediaInfo

Build under macOS and Linux

First, you must create a directory which will receive the MediaInfo directory, and ZenLib and MediaInfoLib if you decide to compile them yourself.

In this document, this directory will be referred as \$BUILD_DIR.

Dependencies under macOS

MacPorts Some dependencies are available with MacPorts. To install MacPorts: <https://guide.macports.org/#install>

```
1 port install autoconf automake libtool pkgconfig zlib wxWidgets-3.0
```

MediaArea tools * libzen * libmediainfo

Dependencies under Linux

Listing *Build tools*

- git
- automake
- autoconf
- libtool
- pkgconfig
- make
- g++

MediaArea tools

- libzen0
- libmediainfo0

CLI and GUI dependencies

- zlib

GUI only dependencies

- wxwidgets

Ubuntu *Build tools and CLI/GUI dependencies*

```
1 apt-get install git automake autoconf libtool pkg-config make g++  
  zlib1g-dev
```

MediaArea tools

Go to <https://mediaarea.net/fr/MediaInfo/Download/Ubuntu> and download the libmediainfo0, libmediainfo-dev, libzen0 and libzen-dev packages corresponding to your Ubuntu version. Then install them with :

```
1 dpkg -i libmediainfo* libzen*
```

GUI only dependencies

```
1 apt-get install libwxgtk3.0-dev
```

Fedora *Build tools and CLI/GUI dependencies*

```
1 sudo yum install git automake autoconf libtool pkgconfig make gcc-c++  
  zlib-devel
```

MediaArea tools

Go to <https://mediaarea.net/fr/MediaInfo/Download/Fedora> and download the libmediainfo0, libmediainfo-devel, libzen0 and libzen-devel packages corresponding to your Fedora version and CPU architecture. Then install them with :

```
1 sudo yum install libmediainfo*.rpm libzen*.rpm
```

GUI only dependencies

```
1 sudo yum install wxGTK-devel desktop-file-utils
```

Debian *Build tools and CLI/GUI dependencies*

```
1 apt-get install git automake autoconf libtool pkg-config make g++  
   zlib1g-dev
```

MediaArea tools

Go to <https://mediaarea.net/fr/MediaInfo/Download/Debian> and download the libmediainfo0, libmediainfo-dev, libzen0 and libzen-dev packages corresponding to your Debian version. Then install them with :

```
1 dpkg -i libmediainfo* libzen*
```

GUI only dependencies

```
1 apt-get install libwxgtk3.0-dev
```

OpenSUSE *Build tools and CLI/GUI dependencies*

```
1 zypper install git automake autoconf libtool pkgconfig make gcc-c++  
   zlib-devel
```

MediaArea tools

Go to <https://mediaarea.net/fr/MediaInfo/Download/openSUSE> and download the libmediainfo0, libmediainfo-devel, libzen0 and libzen-devel packages corresponding to your OpenSuse version. Then install them with :

```
1 rpm -i libmediainfo* libzen*
```

GUI only dependencies

```
1 zypper install libqt4-devel libQtWebKit-devel update-desktop-files
```

Build MediaInfo CLI

When you have done all the prerequisites for your configuration, then build MediaInfo. We start with the CLI.

```
1 cd $BUILD_DIR  
2 git clone https://github.com/MediaArea/MediaInfo.git  
3 cd MediaInfo/Project/GNU/CLI  
4 ./autogen.sh
```

Then, under macOS:

```
1 ./configure --enable-staticlibs
2 make
```

Under Linux:

```
1 ./configure --enable-shared
2 make
```

Or for statically linked executable, if you also build ZenLib and MediaInfoLib:

```
1 ./configure --enable-staticlibs
2 make
```

Launch the CLI

```
1 ./mediainfo
```

Build MediaInfo GUI

If you have already built the CLI, no need to run git twice. In fact, if you re-run git with an existing MediaInfo directory, git will complain and exit.

To compile MediaInfo GUI under macOS and Linux:

```
1 cd $BUILD_DIR
2 git clone https://github.com/MediaArea/MediaInfo.git
3 cd MediaInfo/Project/GNU/GUI
4 ./autogen.sh
```

Then, under macOS:

```
1 export PATH=$PATH:/opt/local/Library/Frameworks/wxWidgets.framework/
  Versions/wxWidgets/3.0/bin
2 ./configure --enable-staticlibs
3 make
```

Under Linux:

```
1 ./configure --enable-shared
2 make
```

Or for statically linked executable, if you also build ZenLib and MediaInfoLib:

```
1 ./configure --enable-staticlibs
2 make
```

Launch the GUI

```
1 ./mediainfo-gui
```

Optional : build ZenLib and MediaInfoLib

ZenLib To compile ZenLib under macOS and Linux:

```
1 cd $BUILD_DIR
2 git clone https://github.com/MediaArea/ZenLib.git
3 cd ZenLib/Project/GNU/Library
4 ./autogen.sh
5 ./configure --enable-static
6 make
```

MediaInfoLib To compile MediaInfoLib under macOS and Linux:

```
1 cd $BUILD_DIR
2 git clone https://github.com/MediaArea/MediaInfoLib.git
3 cd MediaInfoLib/Project/GNU/Library
4 ./autogen.sh
5 ./configure --enable-static
6 make
```

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