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MPEG Xtractor User Manual Version 1.0

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## **Introduction**

### **HEURIS MPEG Xtractor Features**

HEURIS' MPEG Xtractor will demultiplex MPEG 2 program streams, MPEG 2 transport streams, DVD VR formatted streams, unencrypted DVDs, and MPEG 1 system streams. All of this is possible through the easy-to-use drag and drop interface.

You can use the MPEG Xtractor to demultiplex DVD VR recorded streams into DVD compatible elementary streams that can be used with any popular DVD authoring package. This is extremely helpful for owners of the Panasonic VDR-M10 DVD camera or the Panasonic DMR-E20 line of DVD recorders, as well as the Hitachi DZMV100 DVD camera. Demultiplex your footage to create DVDs that will play on any DVD player.

HEURIS' MPEG Xtractor can be used to demultiplex unencrypted DVDs. This can be utilized to recover elementary streams from a completed DVD project for which the original assets are no longer available.

HEURIS' MPEG Xtractor can be used to demux the video and audio from promotional or training materials to be remultiplexed with an alternate language audio track.

HEURIS' MPEG Xtractor can also be used to demultiplex streams recorded with any HDTV PC decoder card. Record sporting events and encode your own audio track over them!

HEURIS' MPEG Xtractor is a great complement to HEURIS' flagship MPEG encoder, MPEG Power Professional. You can use MPEG Power Professional to multiplex any of your extracted elementary files with QuickTime movies, AVIs, OMF files, or a Targa sequence!

Go to [www.heuris.com](http://www.heuris.com) for more information on MPEG Power Professional.

## System requirements

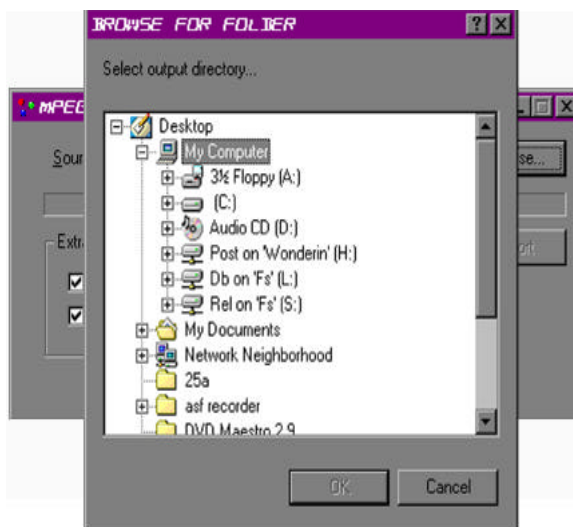
Windows NT/2000/ME

## Installation

Run instmpegx.exe. The application will be extracted to Program Files\MPEG Extractor.

## Using HEURIS' MPEG Extractor

The MPEG Extractor couldn't be easier to use. Double click "xtract.exe" to open the application. Once the application has been opened, select your Output folder.

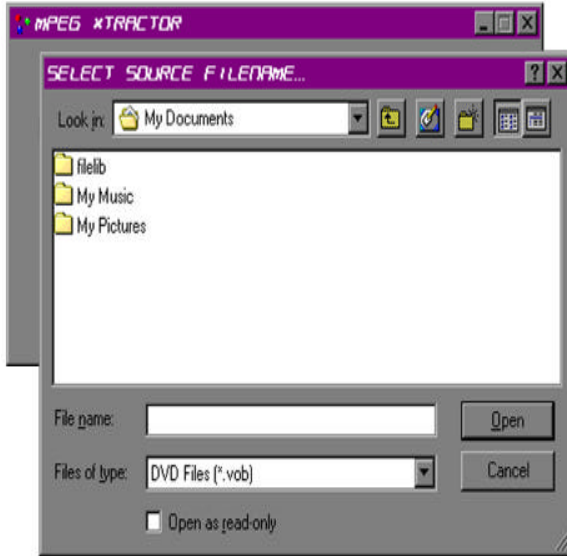


Select your Output folder.

You can then drag your multiplexed file onto the window or you can browse to find the file you'd like to demultiplex.



Drag your source file onto the MPEG Xtractor window to begin demultiplexing.



You may also browse to find the source file you would like to demultiplex.

Unless a different Output folder is specified, the extracted MPEG elementary files will be saved to the directory where “xtract.exe” is located. There will be two files. Video0.vbs and Audio0.abs. Extracted AC3 audio will have an extension of .ac3. Any MPEG audio that is extracted will have an extension of .abs (Audio Bit Stream), and all MPEG video will be saved with an extension of .vbs (Video Bit Stream).

###

## Xtractor For Macintosh

### System Requirements for Macintosh

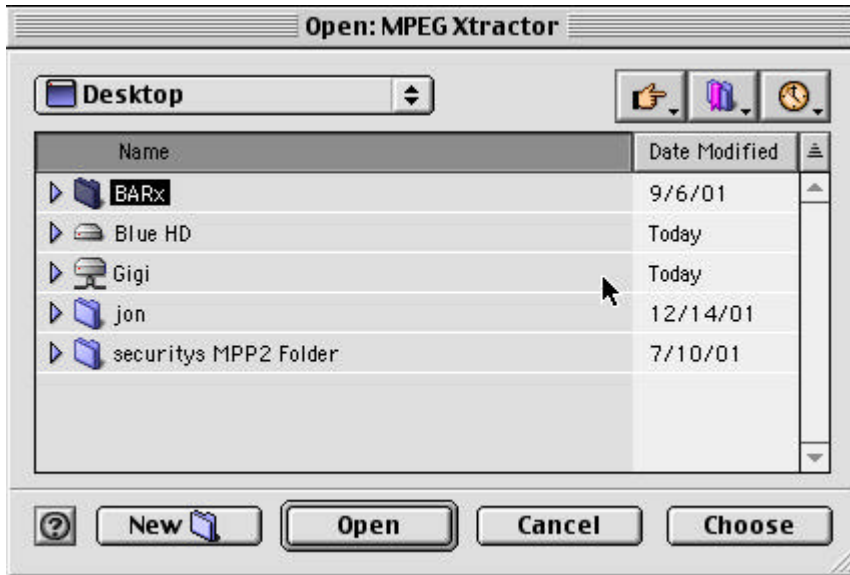
MAC OS 9 or higher

### MAC OS Installation

Double click MPEG Xtractor file. The application will be placed in a folder called “MPEG Xtractor” on the hard drive.

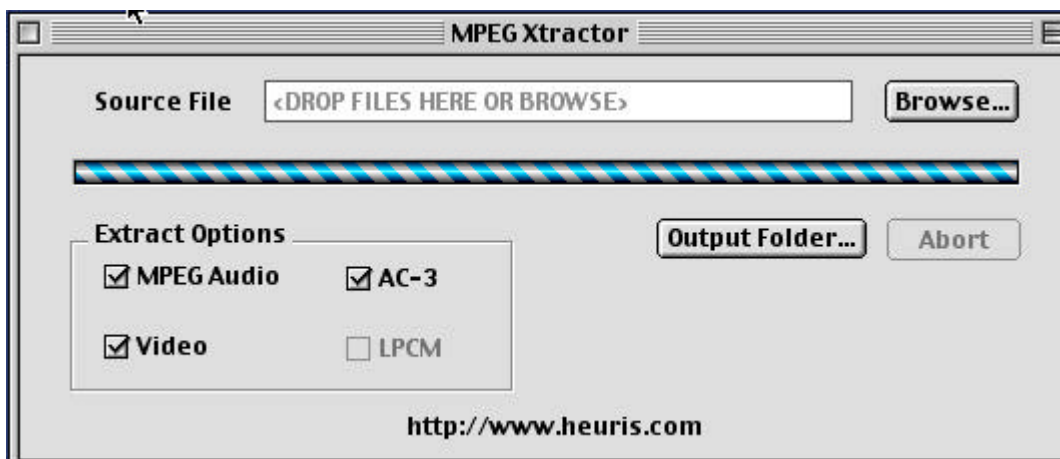
### Using HEURIS' MPEG Extractor

The MPEG Extractor couldn't be easier to use. Double click "Xtractor" to open the application. Once the application has been opened, select your Output folder.

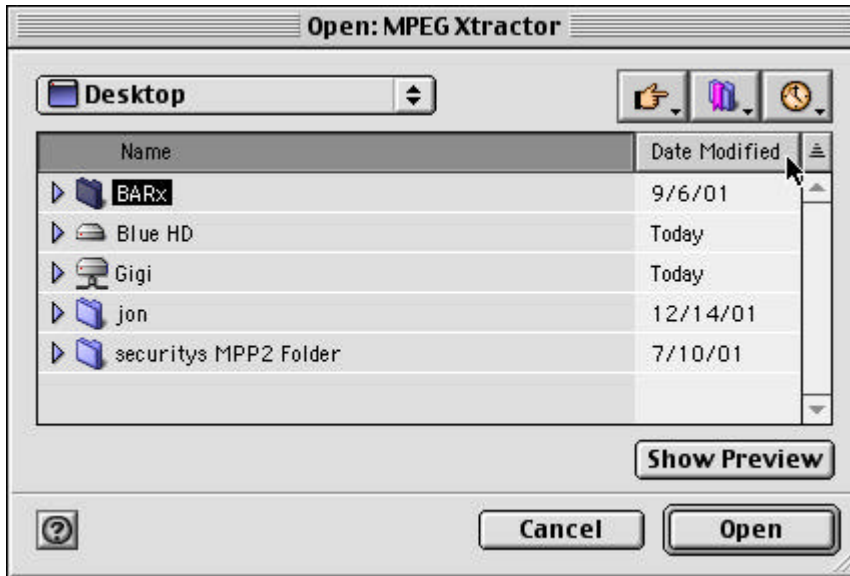


Select your Output folder

You can then drag your multiplexed file onto the window or you can browse to find the file you'd like to demultiplex.



Drag and drop your source file on the main window to begin demultiplexing.



You can also browse to select your source file.

Unless a different Output folder is specified, the extracted MPEG elementary files will be saved to the directory where “xtract” is located. There will be two files (one audio, one video) with the same file name as the source file. Extracted AC3 audio will have an extension of .ac3. Any MPEG audio that is extracted will have an extension of .abs (Audio Bit Stream), and all MPEG video will be saved with an extension of .vbs (Video Bit Stream).

## FAQ

**Q:** Can I use Xtractor to demultiplex DVDs I buy or rent from the store?

**A:** Probably not. Most mass distributed DVDs, like those of your favorite Hollywood movie, are protected by CSS encryption. CSS encryption is what makes it impossible for you to copy DVDs. Xtractor cannot demultiplex any DVDs that use CSS encryption.

**Q:** My DTV card allows me to record programs to disk. How do I extract audio and video from these?

**A:** If your DTV card saves recorded programs as MPEG 2 transport streams, you would demultiplex just as you would any MPEG 2 program or MPEG 1 system stream. Simply browse to the file on your hard drive, select the file to demultiplex, and click OK. Xtractor will demux the transport stream, and save the pieces to your specified output directory.

**Q:** Will Xtractor demux each stream of a program or transport file with multiple audio or video streams?

**A:** No. Xtractor will only extract the audio or video stream with the first stream ID.

**Q:** Does Xtractor support MPEG 4?

**A:** No. Xtractor only supports MPEG 1 and MPEG 2 format.

**Q:** Will Xtractor demultiplex Video CDs?

**A:** No. Xtractor does not support Video CD demultiplexing.

**Q:** OK, I extracted my audio and video. What can I do now?

**A:** There are many options available once you have extracted your audio and video elementary streams from the multiplexed file. For example, you may add an alternate audio track to the video elementary stream or vice versa. This would be helpful for adding an alternate language audio track over a training video.

If you are demultiplexing an MPEG 2 program stream, you can use the elementary streams as assets in a DVD authoring project.

If you are demultiplexing files recorded with the Panasonic VDR-M10 DVD camera or the Hitachi DZMV100 DVD camera, you can remultiplex the elementary streams into a format that can be played from a PC with an MPEG 2 decoder. You can also use the elementary streams as assets to turn your home video into a DVD that will play on any DVD player.

## **About MPEG Power Professional**

As mentioned in the Introduction of this manual, MPEG Power Professional is the perfect companion for Xtractor. MPEG Power Professional is HEURIS' award winning, software MPEG encoder that offers all the control and flexibility you need to create professional, high-quality encodes. MPEG Power Professional can be used to compress and convert video, animation, sound, special effects and graphics to MPEG streams for Internet, CD-ROM, DVD and other multimedia applications.

MPEG Power Professional works directly with all leading Nonlinear Editing systems (NLEs) such as Avid's Media Composer™ and Symphony™ and Media 100 Finish™. There is no need to go back to tape or convert to another format before encoding. Simply drop your edited files into MPEG Power Professional v2 and go! This saves you time, money and image quality.

With MPEG Power Professional's PAL and NTSC, application specific, built-in templates, you can quickly, easily and reliably create MPEG files fully compatible with specific applications such as DVD, Video CD and the Internet with just a few clicks. Or you can choose to control every little thing. With MPEG Power Professional, you can control I-frame injection, search methods, search techniques, and much, much more on a FRAME-BY-FRAME basis. So you can control everything you need to make even your pickiest customers very, very happy.

Go to [www.heuris.com](http://www.heuris.com) to download a demo of MPEG Power Professional.