



## **Ultimate Video Capture v1.8 User Manual**

### **Minimum Requirements:**

Processor: Intel or AMD CPU (1.0Ghz) PC, Laptop or Tablet PC

Memory: 256 Mb of RAM

HD: 100 Mb of free space for basic recording and installation

Operating System: Windows XP Home or PRO SP1-SP3, Vista Home Pro or Ultimate  
Vista is limited to recording with the mic this means that speaker sound might not be recorded. However, microphone recording is supported in Vista as well as XP.

### **Setup**

Setup is very simple and intuitive. Run UltimateVideoCaptureSetup.exe file and continue with online instructions. You will need to install additional plug-ins that come with Setup in order to utilize a number of codecs and compressors. Do not uncheck anything if you would like to utilize all the features of Ultimate Video Capture (UVC).

After the setup, you may launch UVC from your desktop by locating it through the Start Menu in Windows.

## Register the software license

During every UVC program run, it will prompt a Registration window, you need to click on register it, and type the information it will asked. Information will be supplied over email, when you will buy the license.

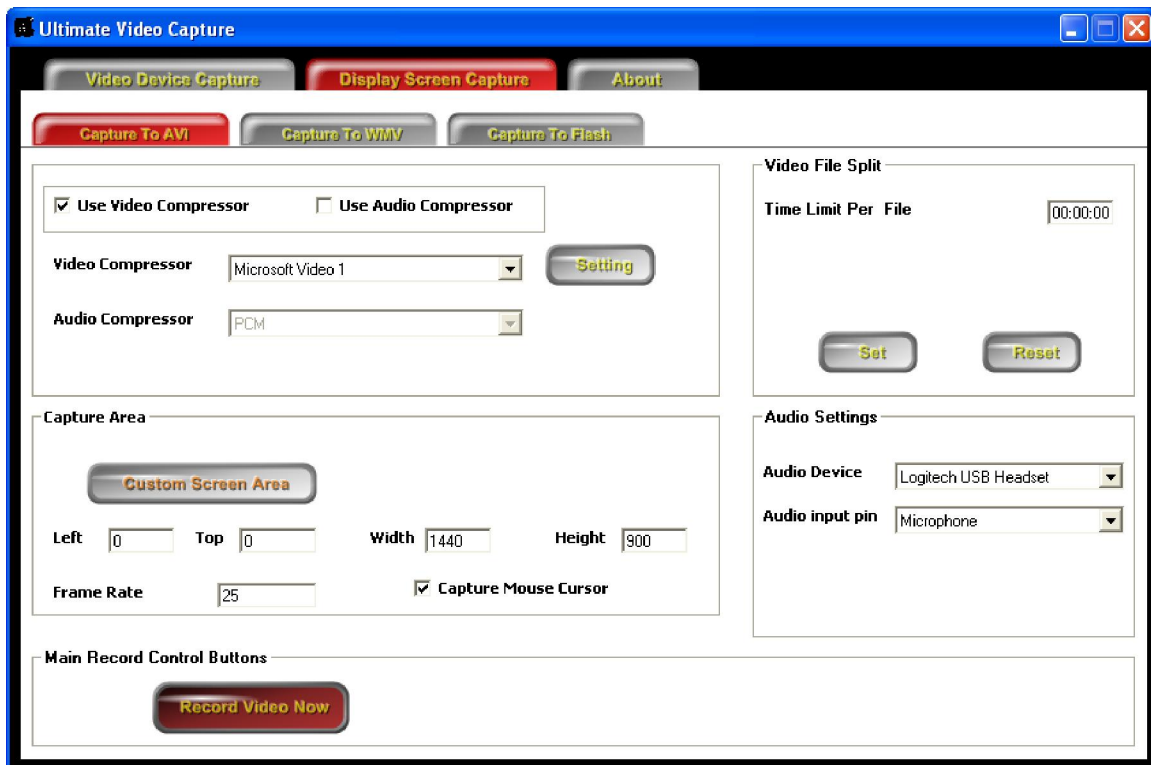


## Interface

UVC allows you to capture the content of your desktop into AVI (compressed or uncompressed), WMV, and Flash (FLV, SWF) formats. Please read below about how to apply the capture settings correctly.

## Display Screen Capture

### Screen to AVI



## Use Video Compressor

### Use Video Compressor

Check to capture compressed videos. Select your desired video compressor from the Video Compressor drop down list. We recommend using either Microsoft Video 1 or ffdshow video encoder.

Note that if this feature remains unchecked, Ultimate Video Capture will be forced to use the Ultimate Video Capture Uncompressed Video AVI format which will be the same size and quality as uncompressed video (1min/3Gb). We do not recommend recording uncompressed videos unless you want the raw quality and are willing to compress or edit it using third party software.

If you are using Microsoft Video 1 compressor, the output AVI file may not be recognized by some video editing software. If you wish to edit your captured video at a later time, we strongly suggest to use ffdshow video encoder(Uncompressed RGB 24 format or generic MPEG4-fourCC MP4V), uncompressed option(codec unchecked). Please refer to FFDSHOW Video Encoder section below to learn how to use this compressor.

Use of any other compressor will be at your own expertise. Other choices will be available in the list but unavailable for use in UVC but with third party developer limitations. Keep in mind that UVC is trying to give you the ability to use all generic video codecs installed on your system but there is no way for us to tell which one is preinstalled on your system and which one will be work with UVC, so remember to select the appropriate codec.

Use the Setting button to adjust available compressor settings. Some codecs have this option disabled so UVC will let you know if the settings are unavailable by showing this error message:



## Use Audio Compressor

## Use Audio Compressor

Checking this box enables you to record sound and video at the same time while compressing it with your chosen option. We strongly recommend you leave this as the default (unchecked). You may capture your microphone, CD, Line In or All Sounds (Stereo Mix) played on your computer at the time. You may select your desired choice of sound source from the Audio Settings section in the right bottom corner of the application.

We suggest using the default PCM audio compressor for best quality.

## Capture Area

**Capture Area**

**Custom Screen Area**

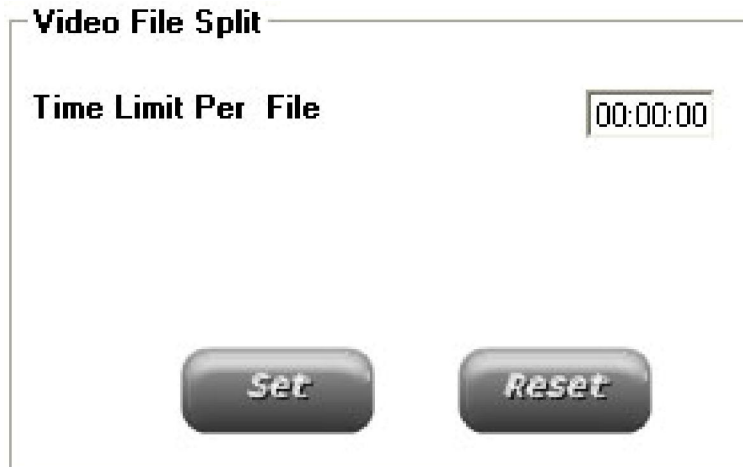
Left  Top  Width  Height

Frame Rate   Capture Mouse Cursor

Click Custom Screen Area button to select the desired capture area (from left to right by clicking and dragging with the mouse on the screen). You may also set this area manually by typing values in the Left, Top, Width and Height boxes. By default UVC grabbing your default screen resolution of width and height and records it.

Here you may also choose your frame rate and whether or not you would like to capture the Mouse cursor.

## Video File Split



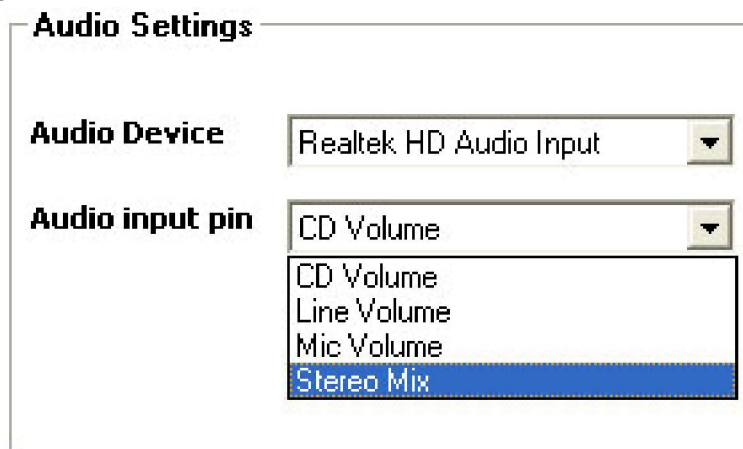
You may split your output video file into a sequence of files according the time limit that you set. The files will be named automatically like this:

part1\_yourfilename.avi, part2\_yourfilename.avi, and so on.

To use this feature, type in your desired time limit and click Set. To clear the time limit, click Clear.

This feature is unavailable in the Trial version of MVC.

## Audio Settings



Audio Device shows you all available sound devices for your computer.

Example: Audio Input Pin allows you to select between CD Volume (identical to Stereo Mix), Microphone, Line In, or Stereo Mix (all sound that you can hear from speakers).

### To Capture a Tutorial without future editing:

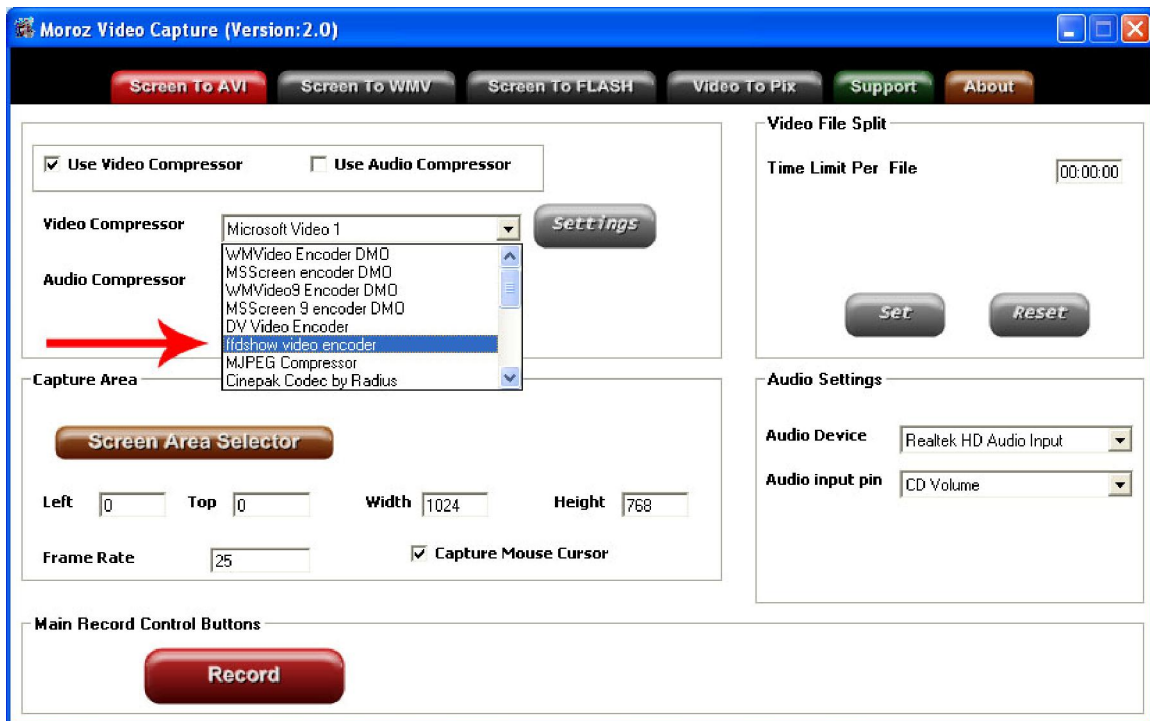
Use Microsoft Video 1 compressor with Setting at 1.0,  
PCM audio compressor  
Microphone Audio Input Pin from the Audio Settings.

If you will edit your recording video at later time, use FFDSHOW Video Codec.

### To Capture high quality GamePlay or Video Streaming content or High Quality Windows Screen Action:

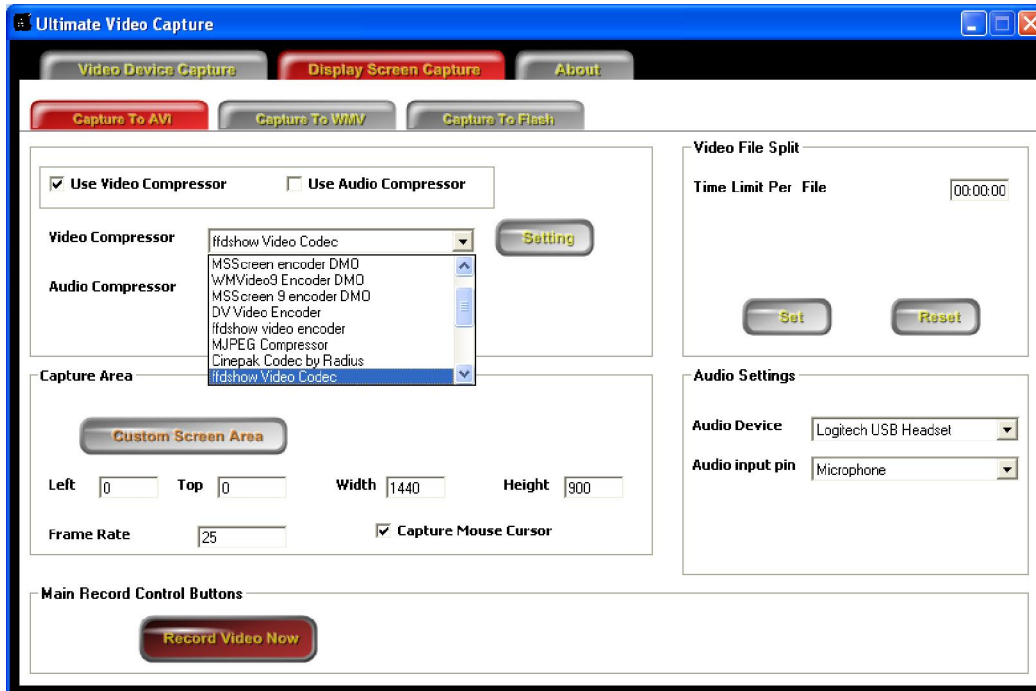
We suggest using the FFDSHOW Video encoder package of compressor.

Please check the image bellow for the references.



### Adjusting the FFDSHOW Basic tutorial:

Here is where you can adjust the encoder for best quality versus video size.  
First select ffdsHOW video codec and click Settings button.



Make sure it is a ffdshow video codec, not ffdshow video encoder.

It will bring the menu where you can select the encoder and decoder capabilities.

You need to go for encoder tab on the left top. Keep in mind this info goes for the codec that comes with UVC installation, if you have different version of ffdshow, it may or not may not be the same interface.

Please check the image bellow for the references.

**ffds show video encoder configuration**

Encoder Decoder

Codecs default  Process whole image  Only right half

Format	Decoder	Supported FOURCCs/remarks
H.264/AVC	ffmpeg-mt	H264, AVC1, X264, VSSH (incomplet...
Xvid	libavcodec	XVID, XVIX
DivX 4/5/6	libavcodec	DIVX, DX50
Other MPEG4	libavcodec	MP4V, 3IVX, 3IV1, 3IV2, MP4S, M4S...
DivX 3	libavcodec	DIV3, DIV4, DIV5, DIV6, AP41, COL1...
FVFW,FFDS	libavcodec	ffds show and ffvfw internal FOURCCs
MP43	libavcodec	MP43
MP42	libavcodec	MP42, DIV2
MP41	libavcodec	MP41, MPG4, DIV1
H.263 (+)	disabled	H263, L263, M263, U263, X263, S26...
FLV1	libavcodec	Flash Video (FLV1)
Theora	disabled	Theora Video (THEO)
VP3	disabled	VP3 Video (VP31)
VP5	disabled	VP5 Video (VP50)
VP6	disabled	VP6 Video (VP60, VP61, VP62)
VP6F	disabled	Flash Video (VP6F, FLV4, VP6A)
MPEG in AVI	disabled	MPEG, MPG1, MPG2, 1001, 1002
Other MPEG2	disabled	EM2V, MMES
WMV1/7	disabled	Windows Media Video 7 (WMV1)
WMV2/8	disabled	Windows Media Video 8 (WMV2)
WMV3/9	disabled	Windows Media Video 9 Simple & Mai...

skip deblocking when safe  skip deblocking always

Profiles / Preset settings

Show / hide filters

Decoder options

- Crop
- Deinterlacing
- Logoaway
- Postprocessing
- Picture properties
- DeBand
- Levels
- Offset & flip
- Blur & NR
- Sharpen
- Warpsharp
- DScaler filter
- Noise
- Perspective corr.
- AviSynth
- Visualizations
- DCT
- Bitmap overlay
- Subtitles

Text

**click on tab to set the encoder for the UVC to record in that format.**

**ffds show video encoder configuration**

Encoder Decoder

Encoder: MPEG-4 FOURCC: XVID Mode: one pass - average bitrate

Bitrate (kbps) 5276 ← lower quality → higher quality

Generic

Motion estimation

Quantization

Custom tables

Masking

Ratecontrol

Credits

Two passes - 1st pass

Two passes - 2nd pass

Curve compression

Maximum I frame interval 250

Minimum I frame interval 1

b frames

max. consecutive b frames:   dynamic

Packed bitstream  refine

Closed GOP

It will bring the dropdown menu where you can select then Encoder, FOURCC, bitrate. Please select MPEG4 from Encoder selection and XVID for FOURCC as a compressor, mode one pass and quality around 3000-4000 of Bitrate (kpbs). This is the good setting (small size, good quality) for game recording or screen.

### **FFDShow Video Codec or FFDShow Video Encoder?**

Note: You cannot record the screen if your UVC Video Compressor option is set on ffdshow video codec. You need to switch drop down list of video codecs to ffdshow video encoder. FFDShow video codec is used only for setting FFDShow video encoder capabilities (such codec to record with, bitrate and other options. You can also set the watermark – using the FFDSHOW-> encoder->input->Enable image processing). You may contact us for further information.

### **Capture to WMV**

Settings provided in the drop down lists for both Default and Advanced Profiles are based on your computer configuration, installed plug-ins, Windows version and other variables. We suggest that you have working knowledge of video formats in order to use Capture to WMV.



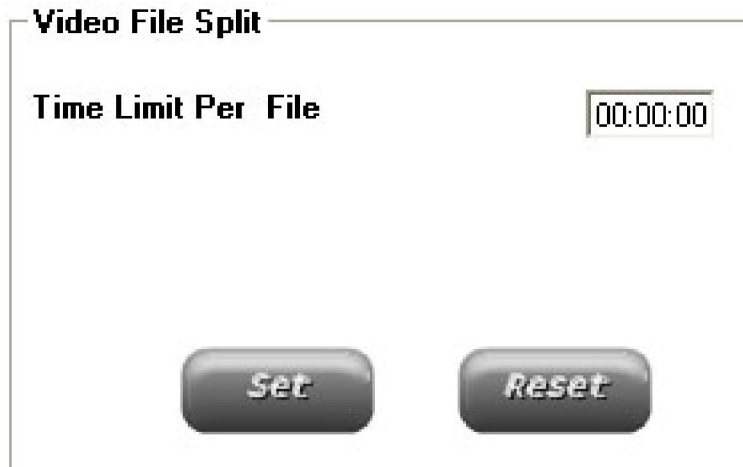
## Capture Area

Click Custom Screen Area button to select the desired capture area. You may also set this area manually by typing values in the Left, Top, Width and Height boxes.

Here you may also choose you frame rate and whether or not you would like to capture the Mouse cursor.



## Video File Split



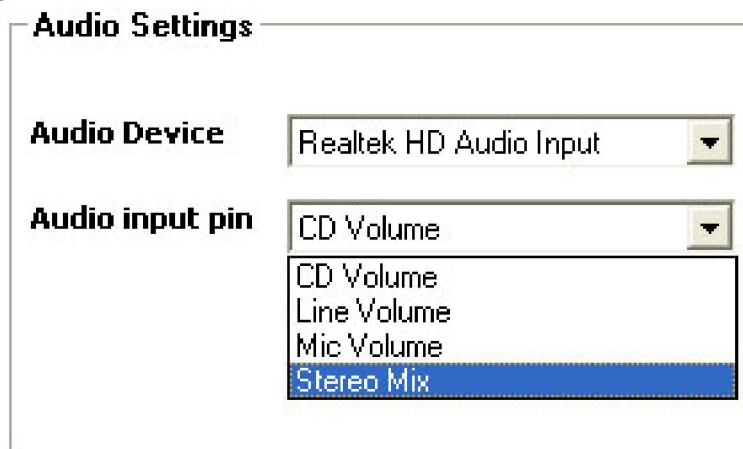
You may split your output Video file into a sequence of files according the time limit that you set. The files will be named automatically:

part1\_yourfilename.avi, part2\_yourfilename.avi, and so on.

To use this feature, type in your desired time limit and click Set. To clear the time limit, click Clear.

This feature is unavailable in the Trial version of MVC.

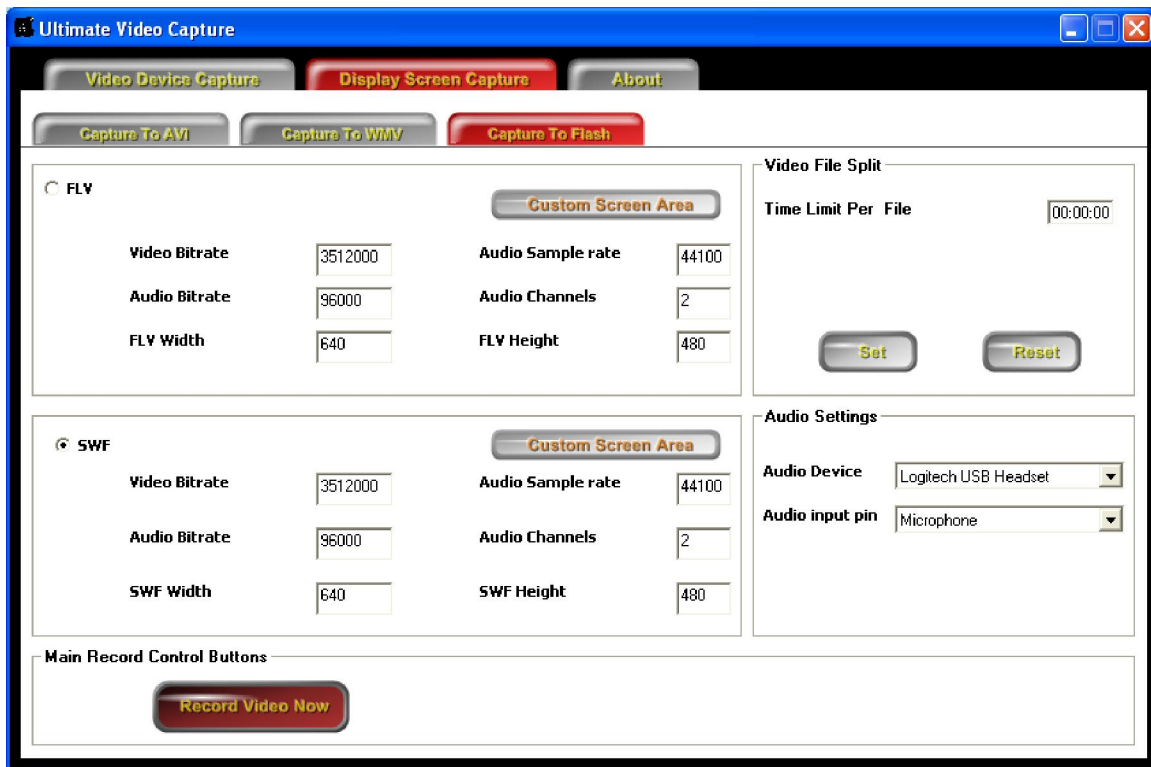
### Audio Settings



Audio Device shows you all available sound devices on you computer.

Example: Audio Input Pin allows you to select between CD Volume (identical to Stereo Mix), Microphone, Line In, or Stereo Mix (all sound that you can hear from speakers).

### **Capture to Flash (FLV, SWF)**



## FLV

Capture to Flash Video Format. Set your custom Video and Audio Bitrates, Audio Sample Rate, and Audio Channels. You can also adjust the screen capture Width and Height manually or by Using Custom Screen Area button.

## SWF

Capture to an SWF format. Playable through Flash SWF Player version 6 and up.

## Custom Screen Area Button

Use Custom Screen Area button to select the desired capture area. Please keep in mind that the pixel aspect ratio of the recorded video depends on your screen resolution and not the custom selected area.

## Video File Split

**Video File Split**

**Time Limit Per File**

You may split your output Video file into a sequence of files according the time limit that you set. The files will be named automatically:

part1\_yourfilename.avi, part2\_yourfilename.avi, and so on.

To use this feature, type in your desired time limit and click Set. To clear the time limit, click Clear.

This feature is unavailable in the Trial version of MVC.

## Audio Settings

**Audio Settings**

**Audio Device**

**Audio input pin**

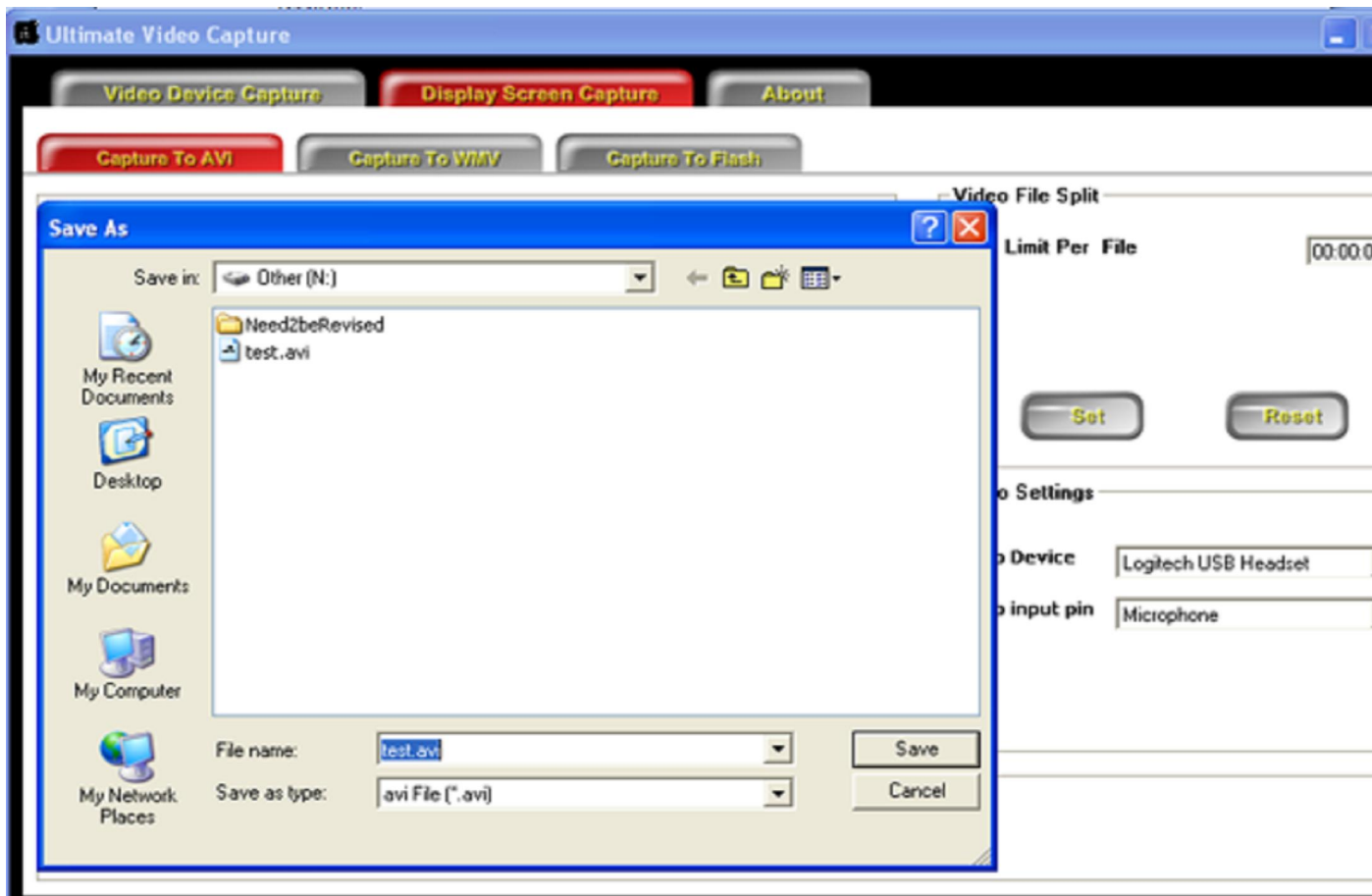
- CD Volume
- Line Volume
- Mic Volume
- Stereo Mix**

Audio Device shows you all available sound devices on your computer.

Example: Audio Input Pin allows you to select between CD Volume (identical to Stereo Mix), Microphone, Line In, or Stereo Mix (all sound that you can hear from speakers).

## Record Video Now Button

Whenever you press Record Video Now Button you will be prompted to select the destination of your recorded file. Type in the desired file name and hit Save. UVC will begin recording automatically. You may press CTRL + S during the recording to stop the recording.



### Shortcut Keys:

Begin Recording: **CTRL + R**  
Stop Recording: **CTRL + S**  
Pause Recording: **CTRL + P**

Resume Recording: **ALT + R**

Please keep in mind that shortcut keys may not work with some games or while using some software that blocks or renames these functions. In most cases Windows XP and Vista Pro Home or Ultimate will be fully compatible with the shortcut commands.

### **About Ultimate Video Capture**

From time to time we update our software to a newer version in order to utilize new features, fix bugs, and improve overall performance. To check your current version you may click on the About tab. This window will also tell you whether you have a Trial or a Registered version.



If you have questions, comments, suggestions, or have found a bug please let us know by sending an email to: [support@mrzmedia.com](mailto:support@mrzmedia.com)

We hope you enjoy Ultimate Video Capture, we encourage you to send us feedback of your experience!