

# **Recording Lectures with Microsoft Encoder**

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# Old Technology

- Teaching Distance Ed in the last millennium
  - Live video presentation (recorded but unavailable)
    - Required specially equipped room(s)
    - Required technical support
    - Had to control multiple devices, one at time
      - Video feed (talking head)
      - Computer monitor presentation
      - Document camera
    - Not easy

# Newer Technology

- Live video feeds have advanced, but still have many of the same issues
- **Microsoft Encoder**
  - Much easier to manage
  - Simply give your normal multimedia lecture
    - Anything projected on the screen is recorded
    - Your voice is recorded
    - No talking head
- Easier

# Distance Ed from Recorded videos

- Windows media files (.WMV) videos that can be streamed from a server are created
- Works for distance Ed
  - with motivated students
  - or in a structured environment
- Will “on campus” students attend classes if lectures are available as video?
  - take attendance
  - daily quizzes on randomly selected days

# How to get Encoder

- from the online “Windows download center”
- Version 9 (old version, 2003)
  - Free
  - Still available (2003 version)
  - Security update (2008)
- Version 4 (new version)
  - Free
  - Expression Encoder 4 (2011 version)
  - Expression Encoder Pro 4 - \$200 upgrade

# From the windows download center

Including results for [windows media encoder 9](#)

1 - 10 of 38 results

Sort by:

Update	<a href="#">Windows Media Encoder 9 Series</a> Download <b>Windows Media Encoder 9</b> Series, a powerful tool for content producers who want to take advantage of the many innovations in <b>Windows Media 9</b> Series.	<b>FREE</b> Release Date: 1/7/2003
Security Patch	<a href="#">Security Update for Windows Media Encoder 9 Series for Windows XP x64 Edition (KB954156)</a> A security issue has been identified in <b>Windows Media Encoder 9</b> Series that could allow an attacker to compromise your Microsoft <b>Windows</b> -based system and gain control over it.	<b>FREE</b> Release Date: 9/8/2008

# From the windows download center

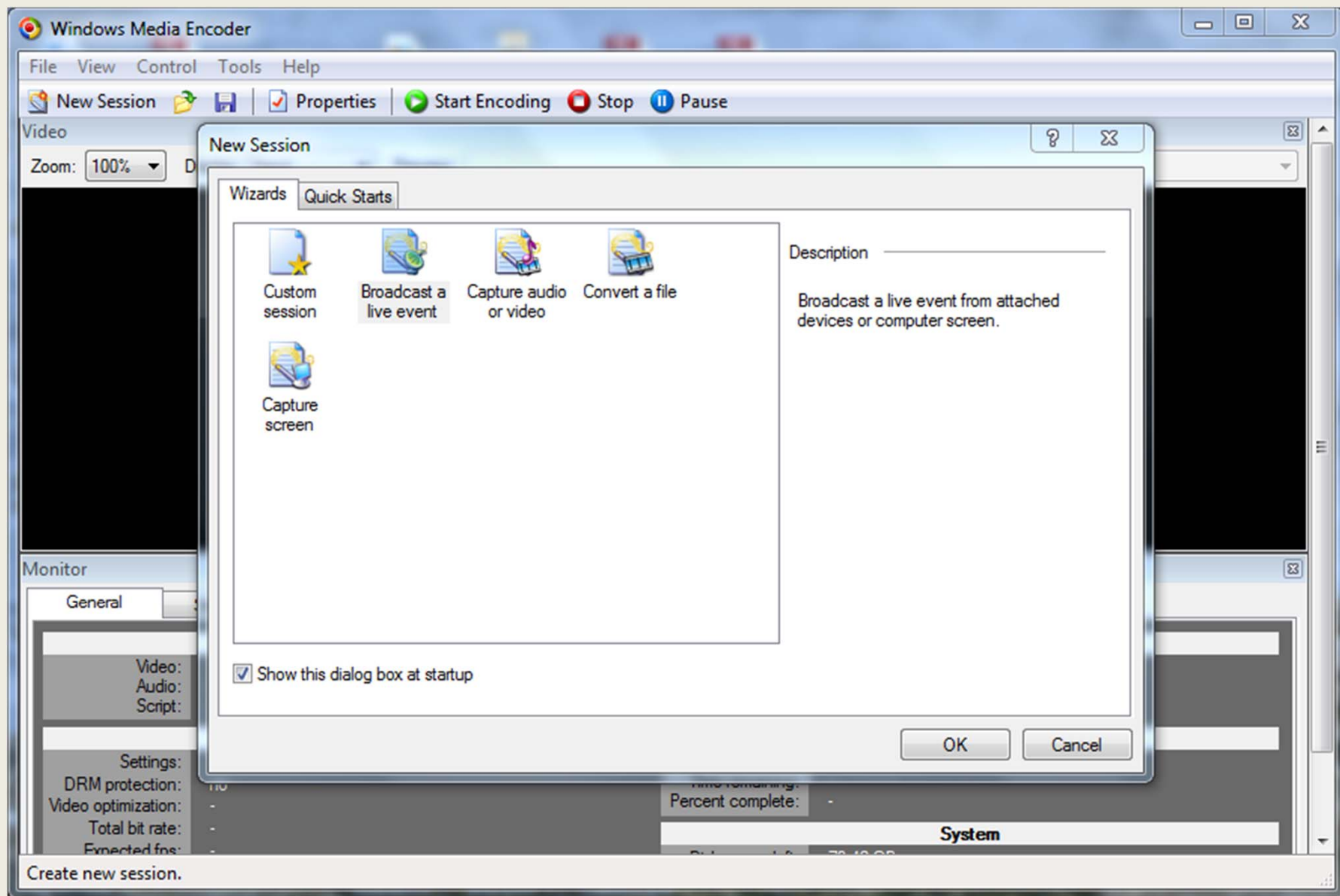
Including search results for [encoder](#)

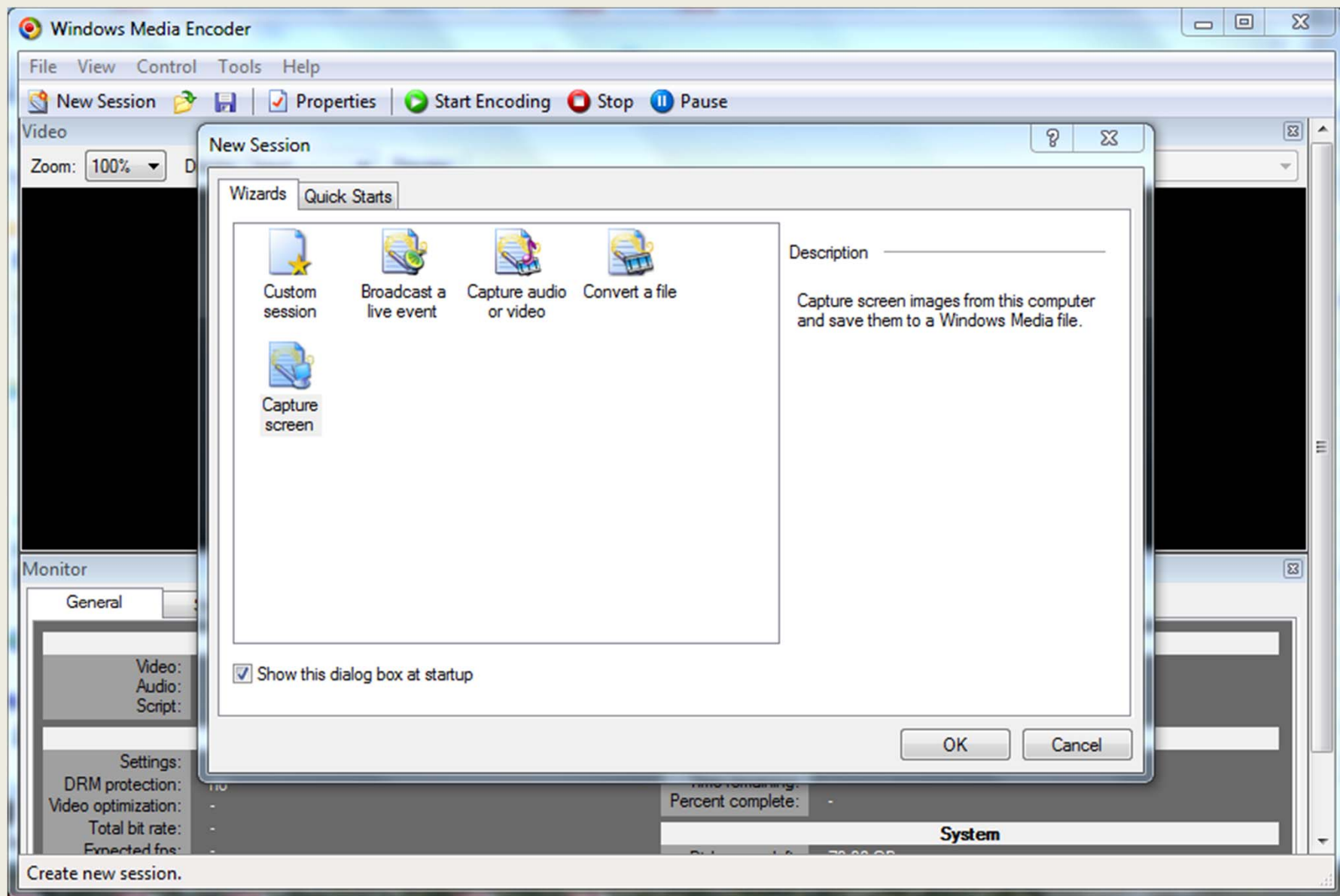
Service pack	<a href="#">Microsoft Expression <b>Encoder</b> 4 with Service Pack 2 (SP2)</a> Expression Encoder 4 with SP2 is an advanced audio/video-encoding and live-broadcasting application that provides new feature support, updates, and stability enhancements.	<b>FREE</b> Release Date: <b>11/2/2011</b> Service pack
Update	<a href="#">Windows Media <b>Encoder</b> 9 Series</a> Download Windows Media <b>Encoder</b> 9 Series, a powerful tool for content producers who want to take advantage of the many innovations in Windows Media 9 Series.	<b>FREE</b> Release Date: <b>1/7/2003</b> <b>Update</b>
Application	<a href="#">Microsoft Expression <b>Encoder</b> Screen Capture Codec</a> Expression <b>Encoder</b> Screen Capture Codec	<b>FREE</b> Release Date: 7/23/2010 Application

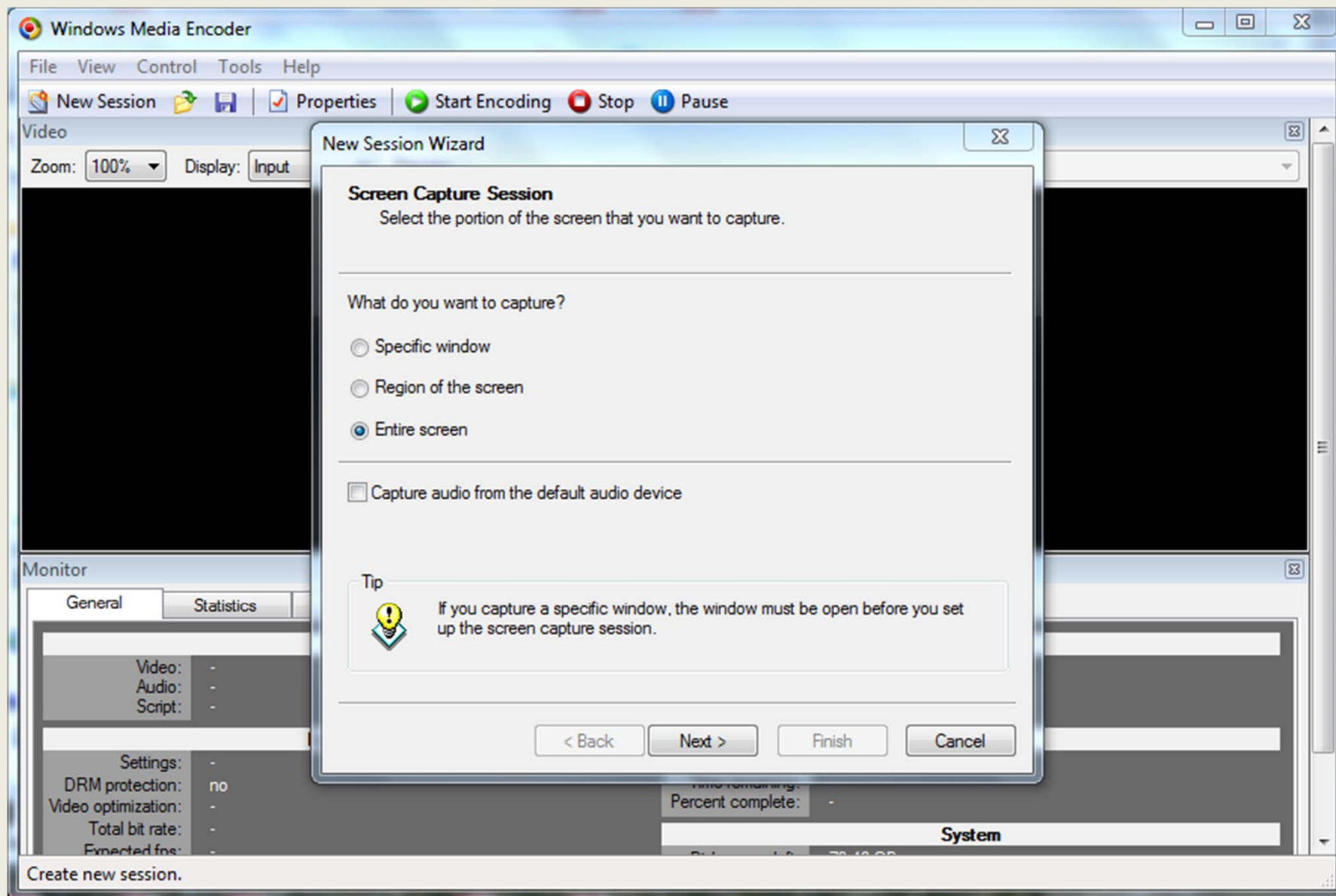
# Using Encoder

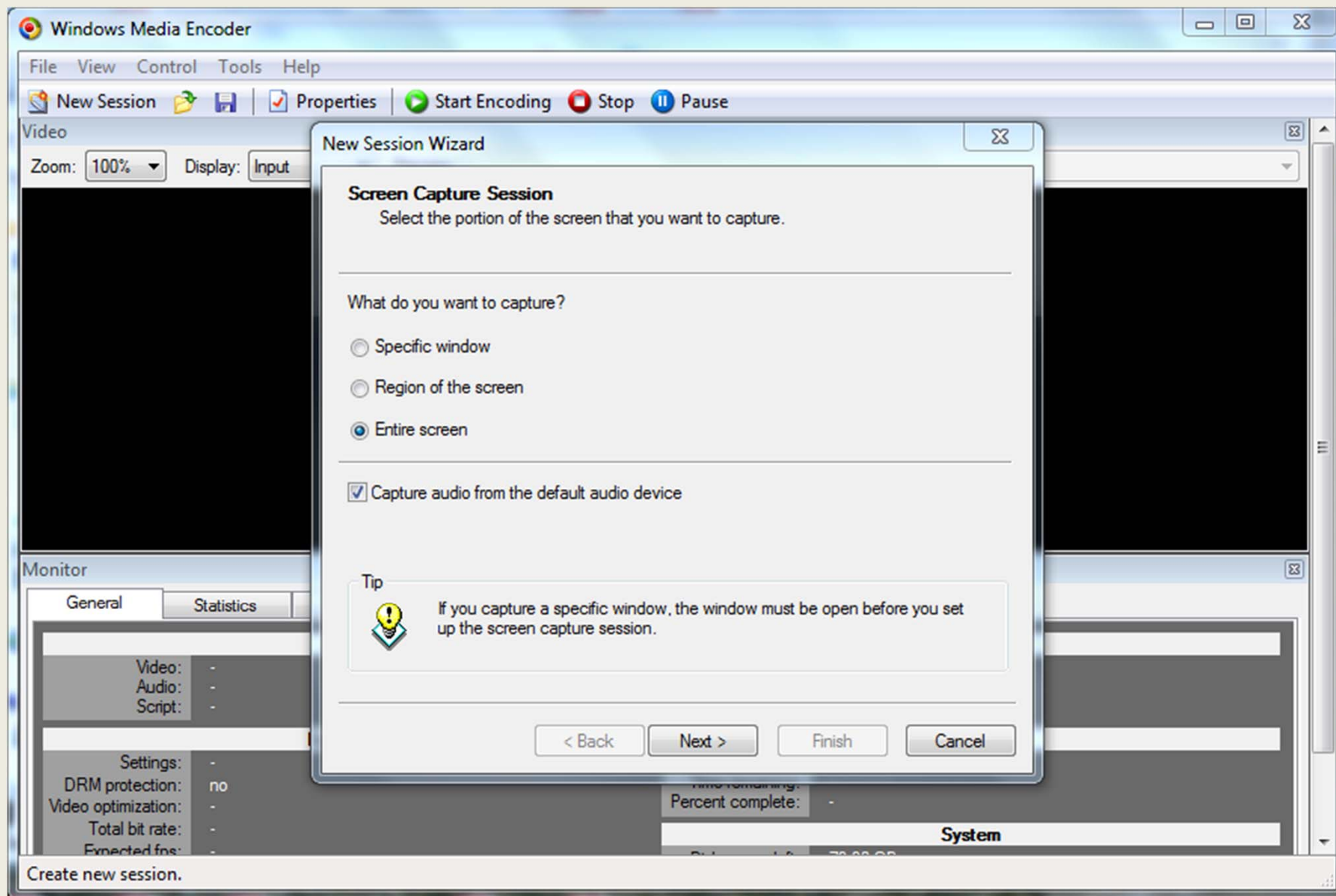
- Start encoder from
  - The start menu
  - Desktop icon
  - Double-click on an encoder file (.WME)
    - More later about encoder files

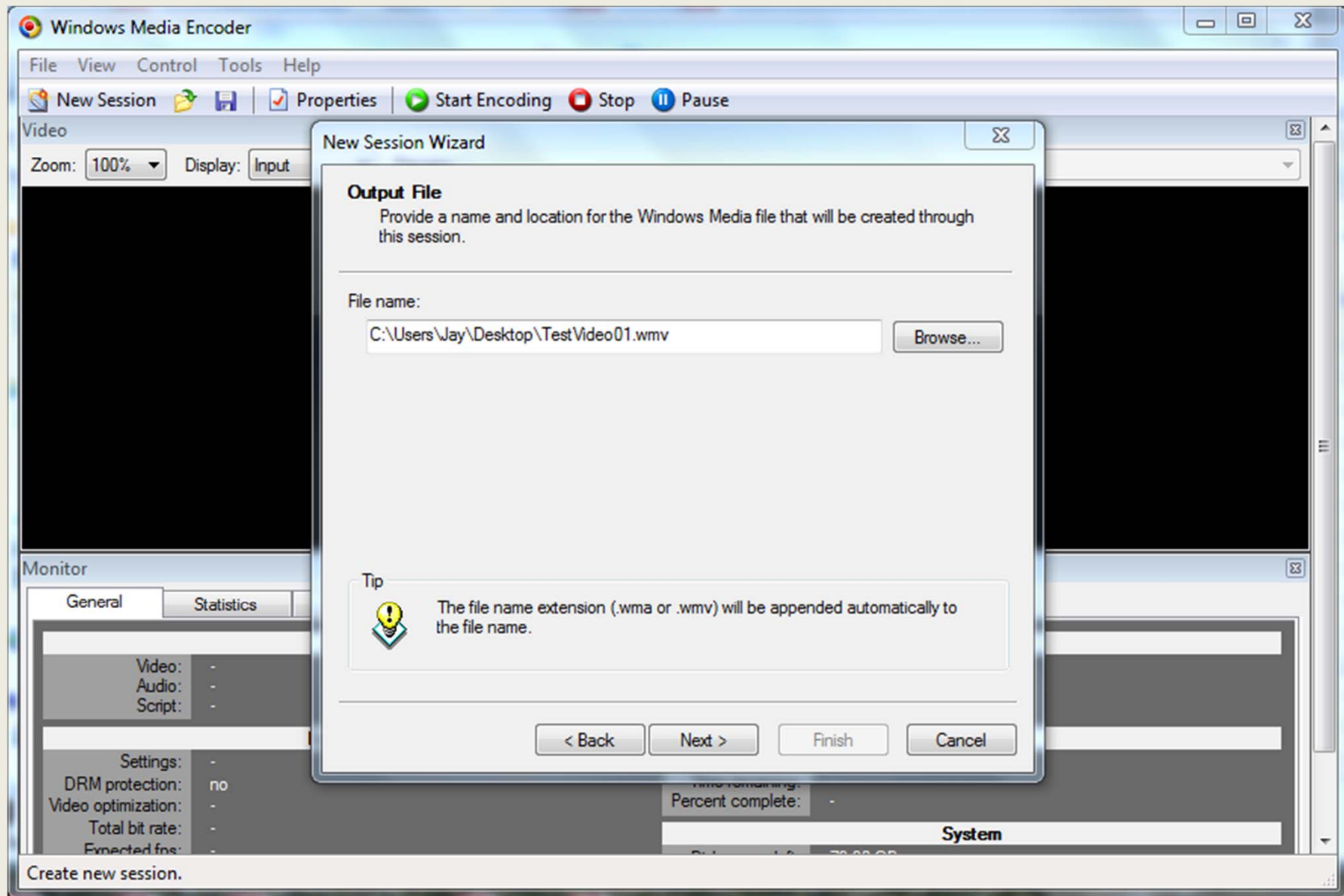


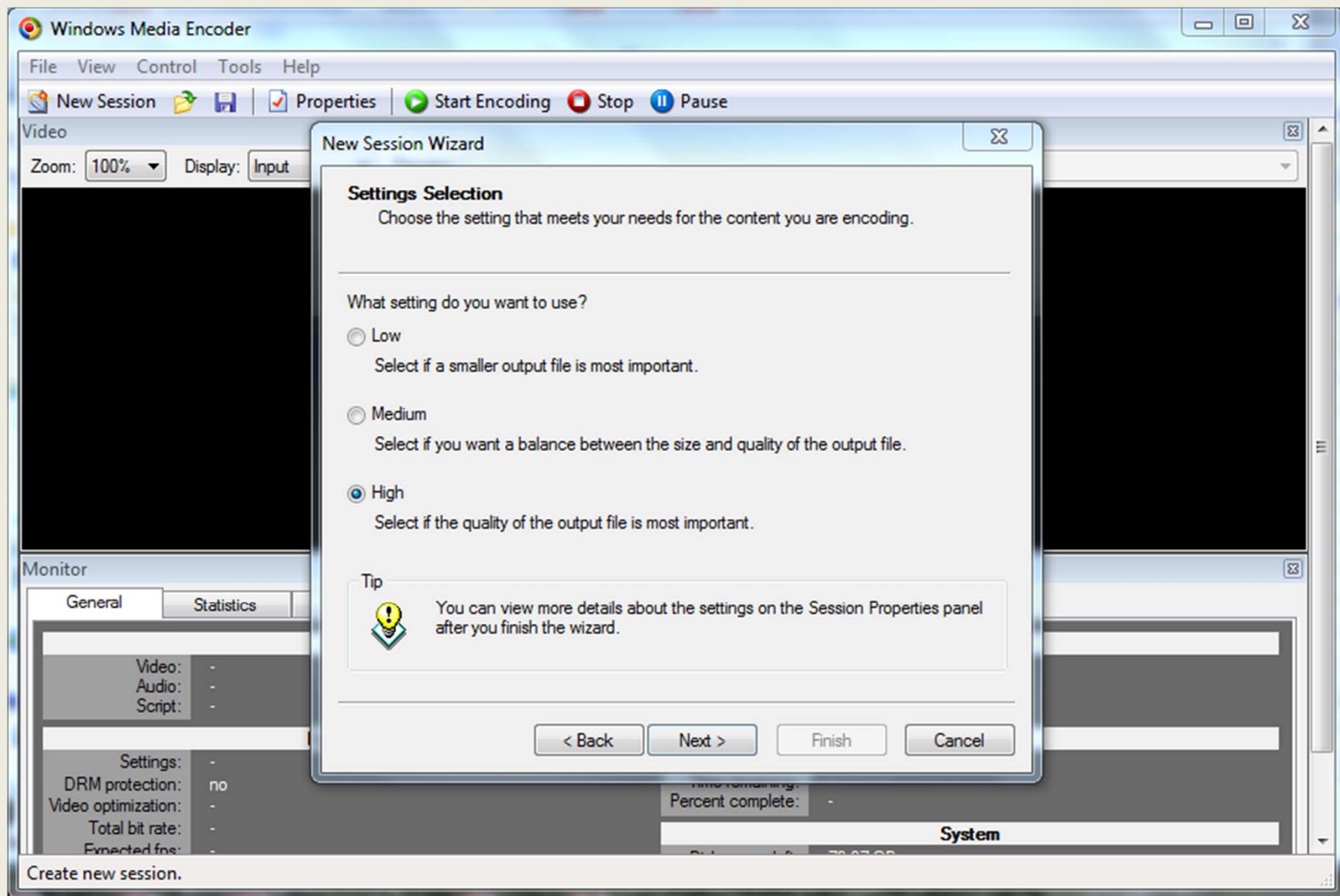




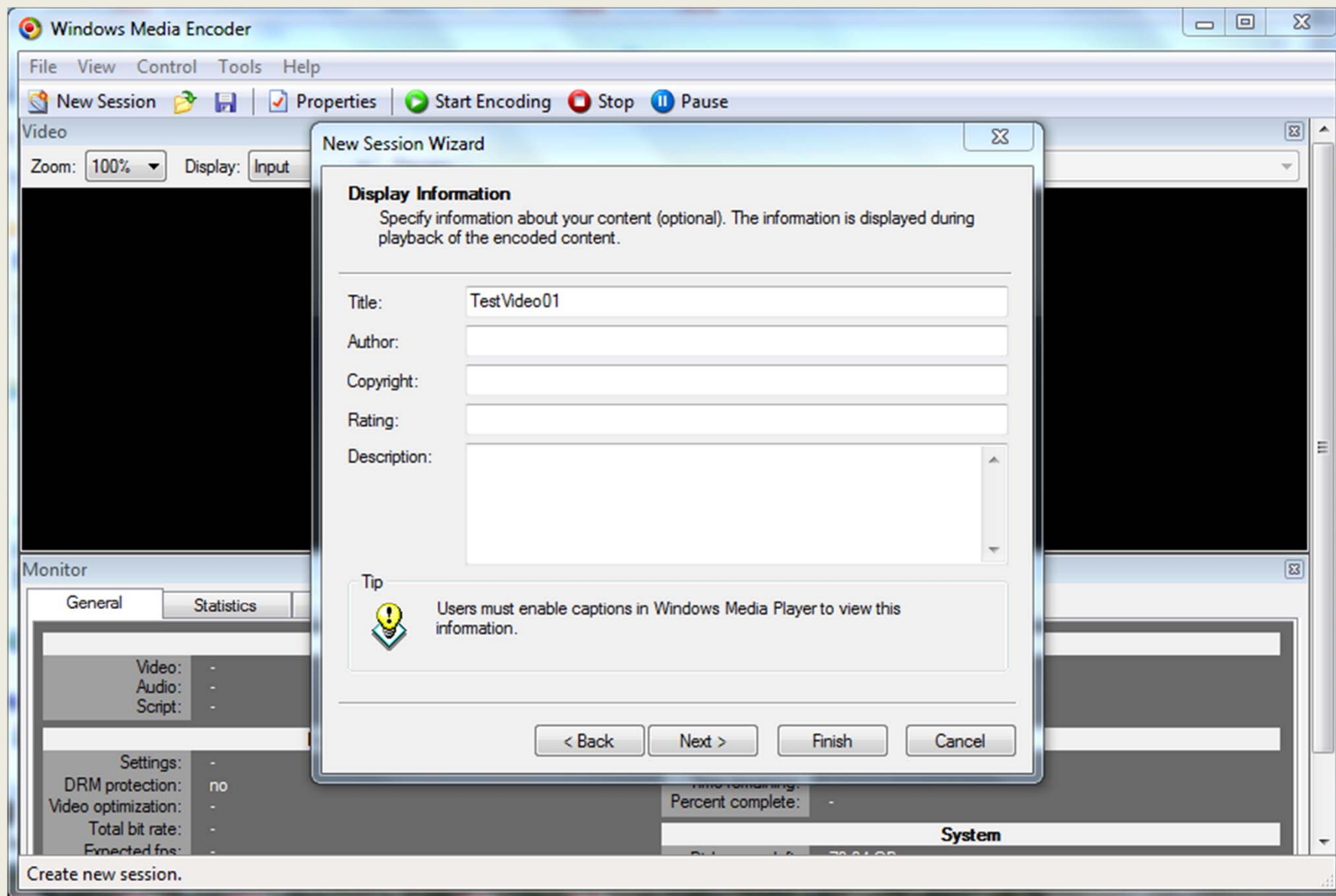


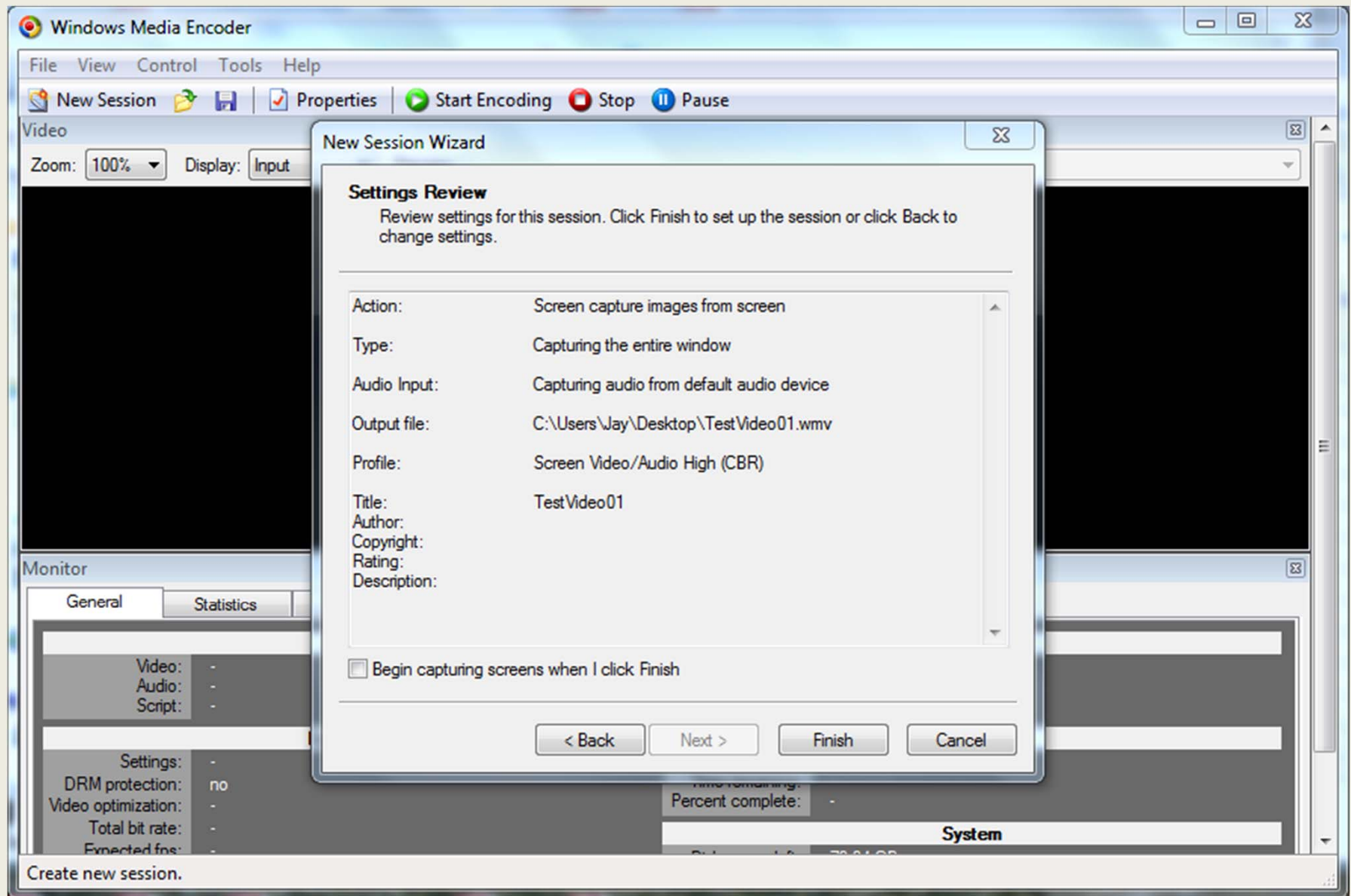




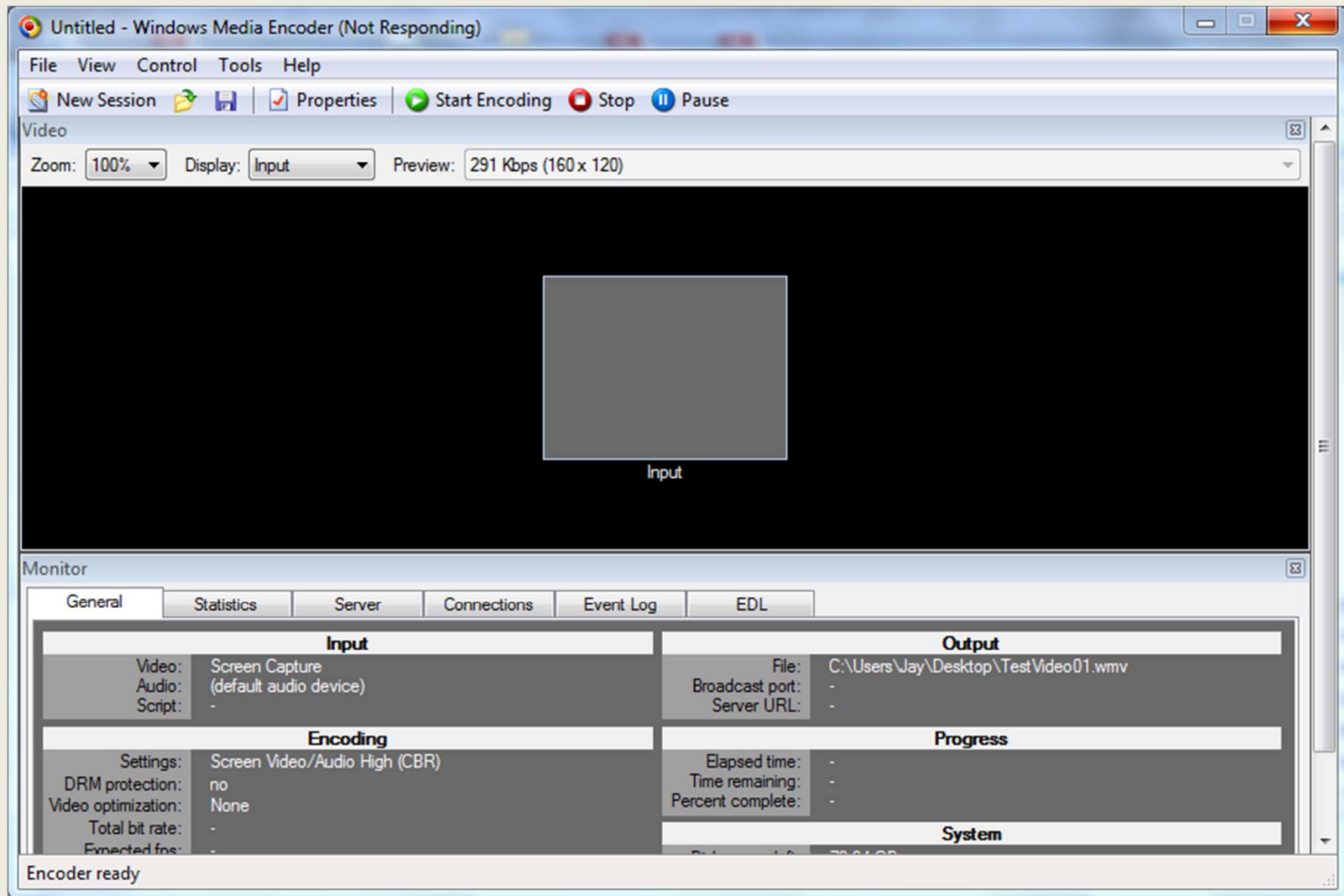


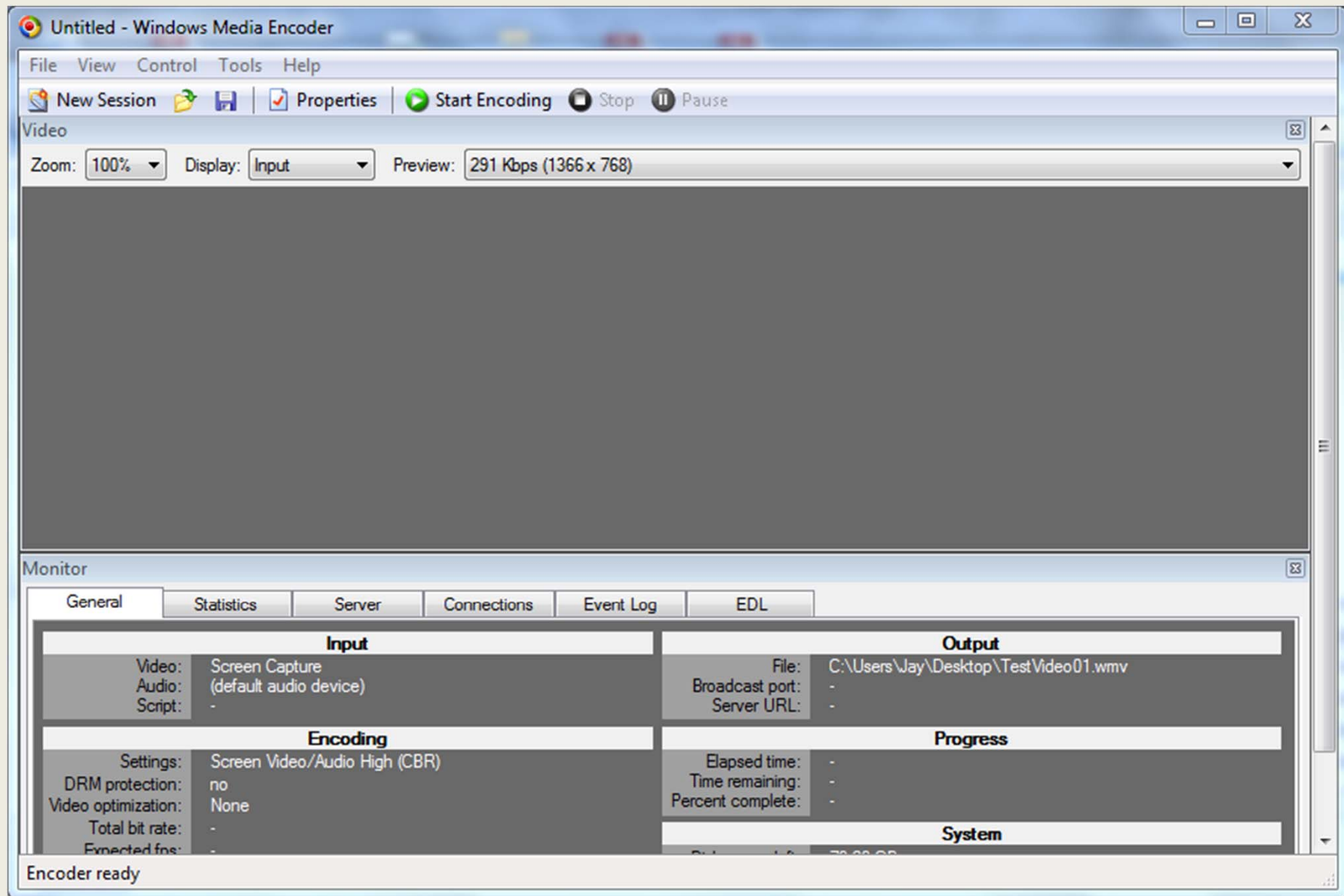


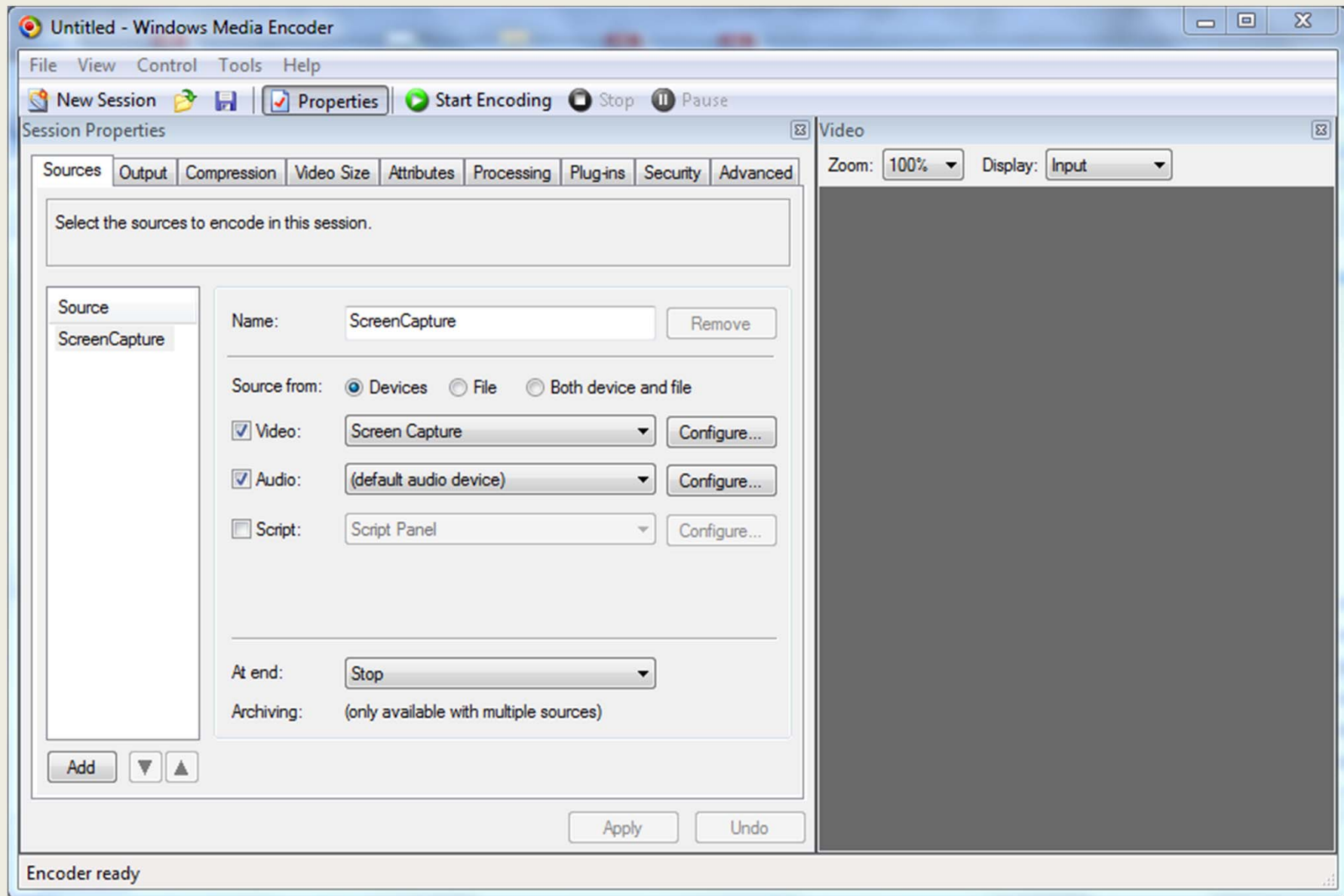


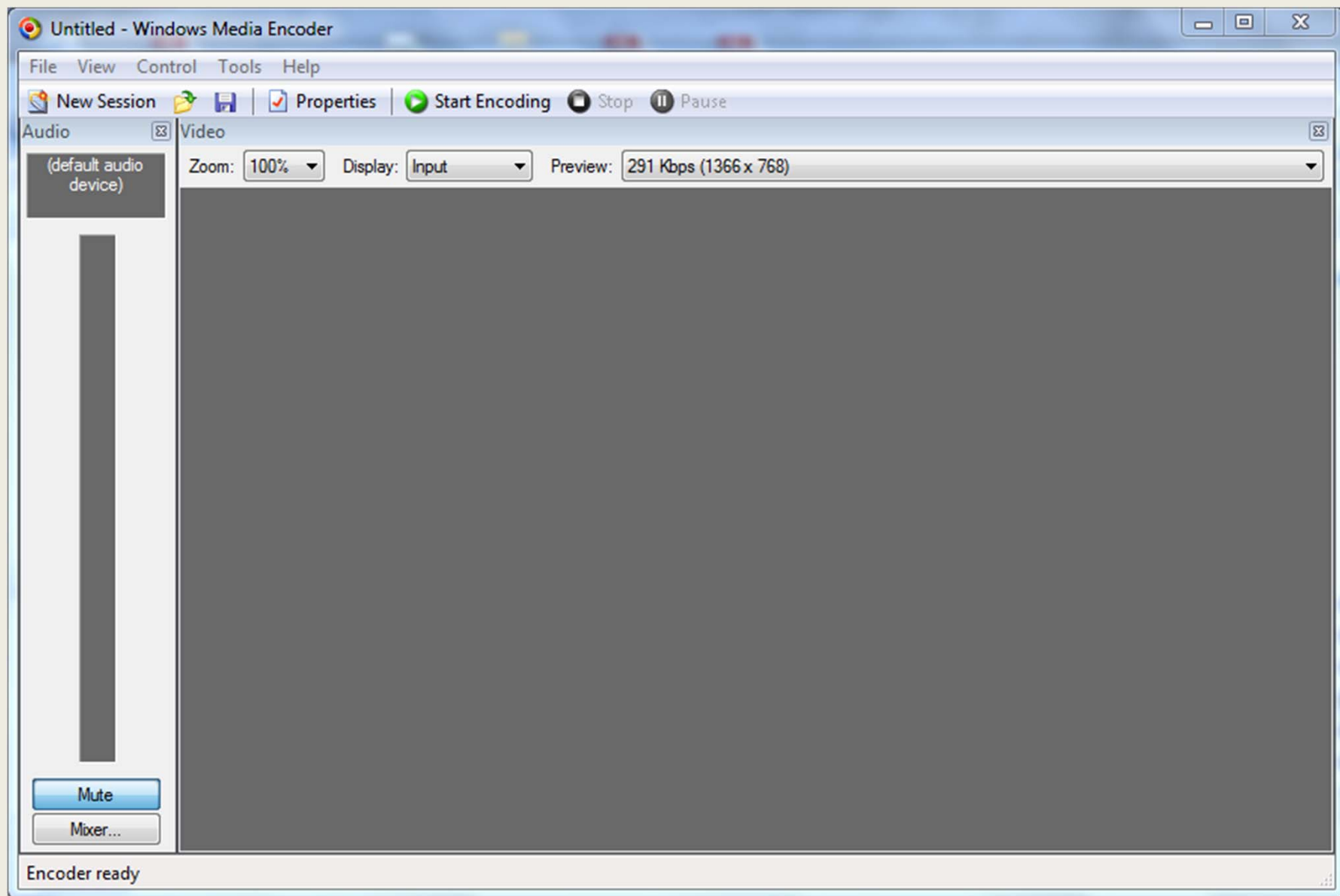


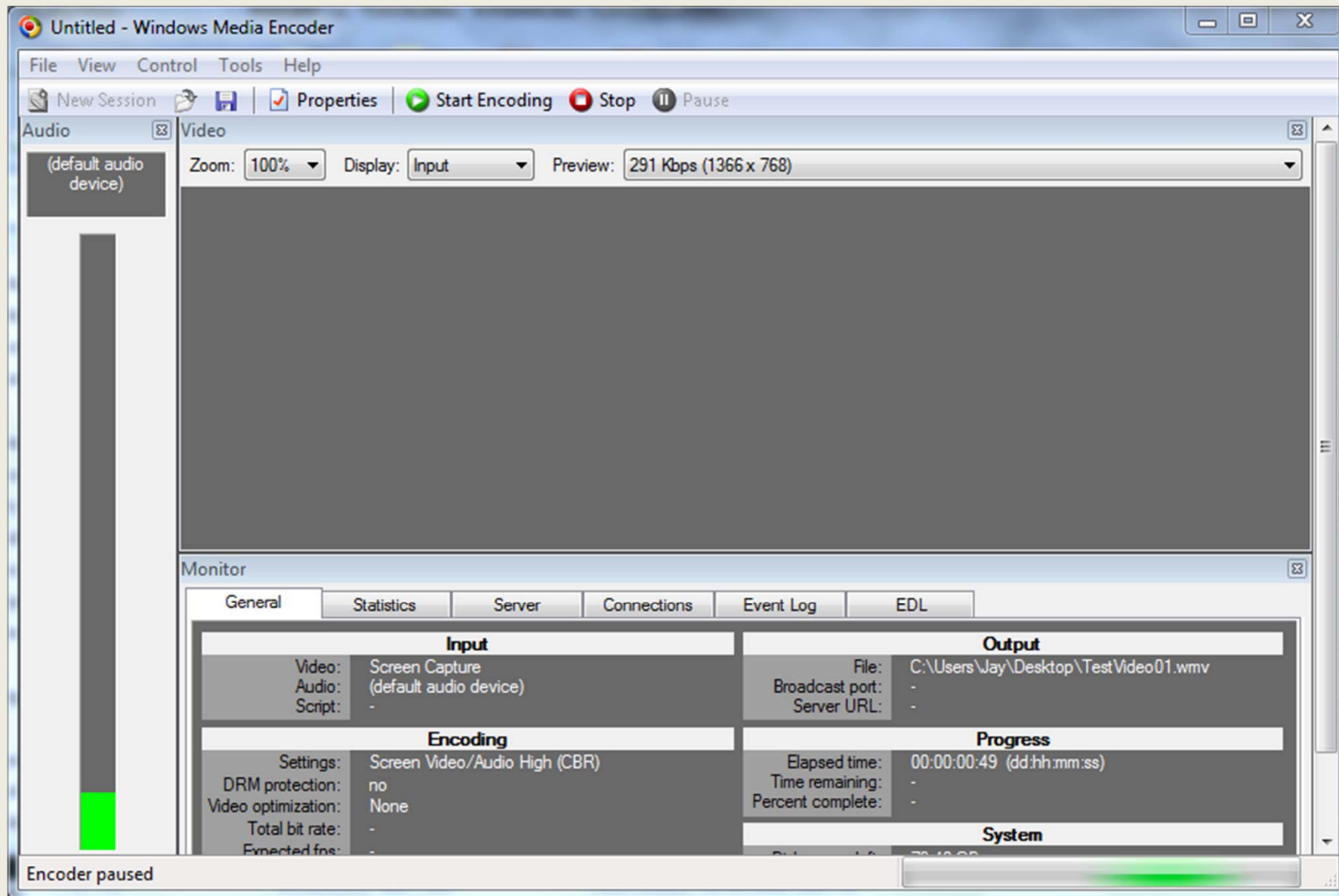


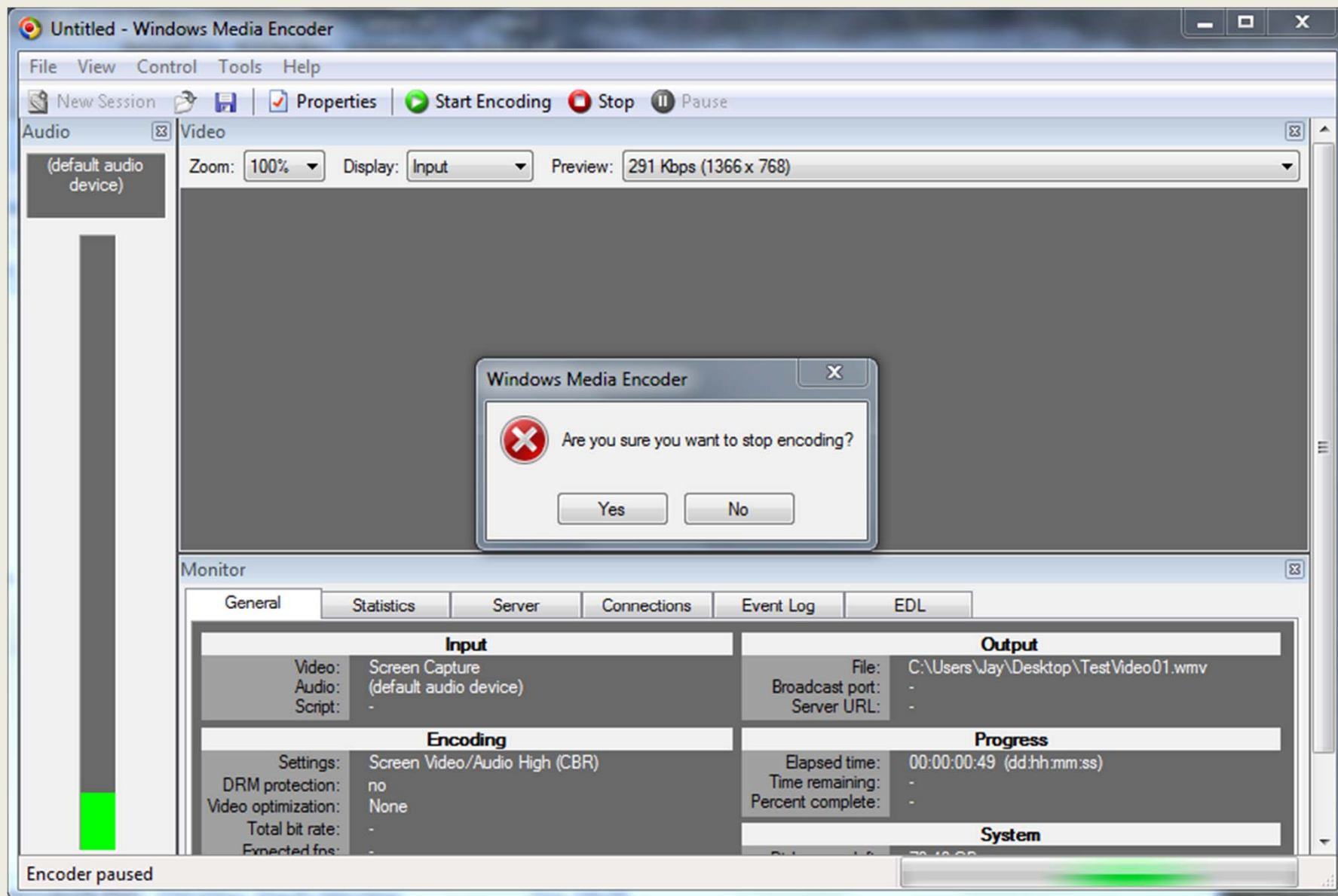


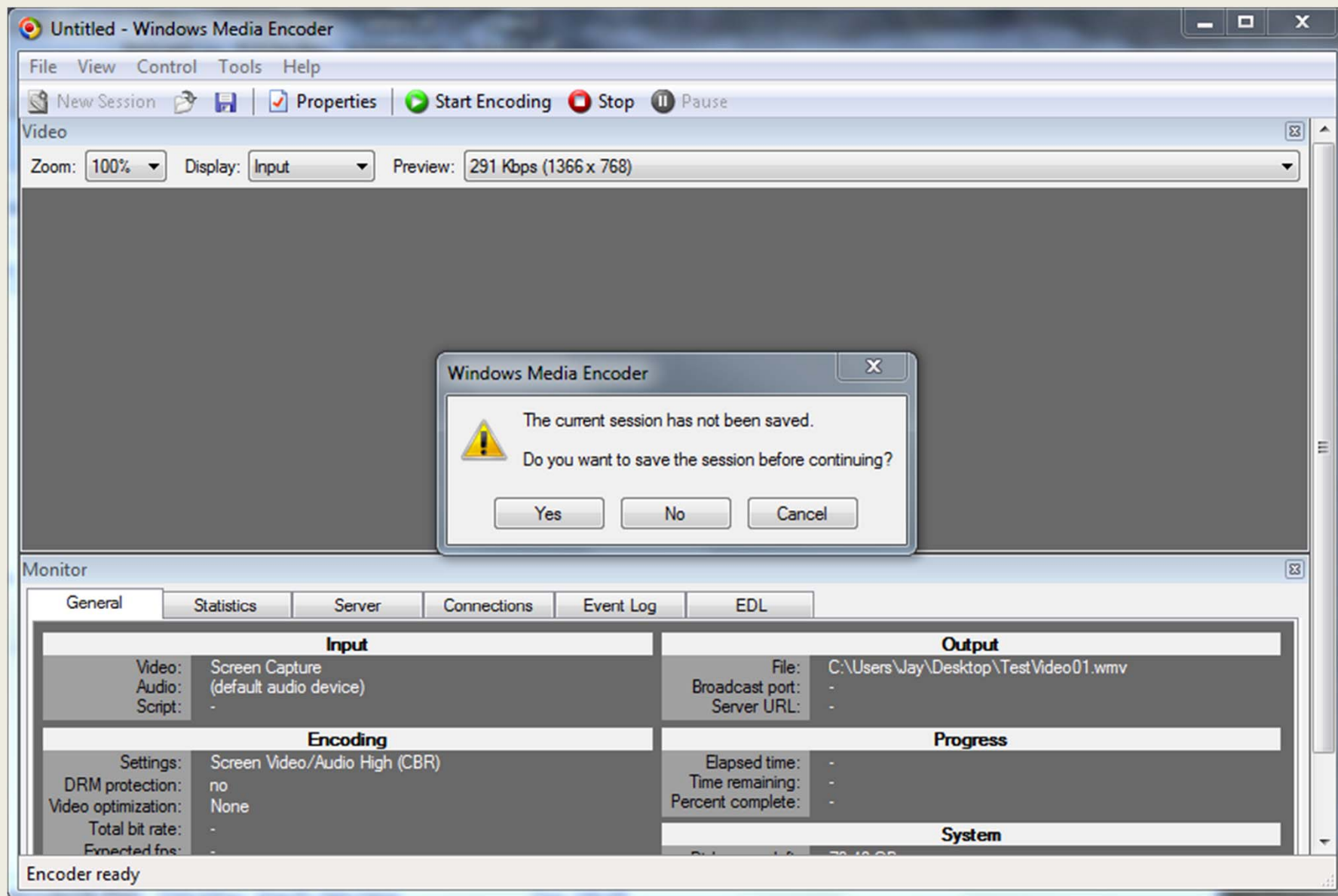




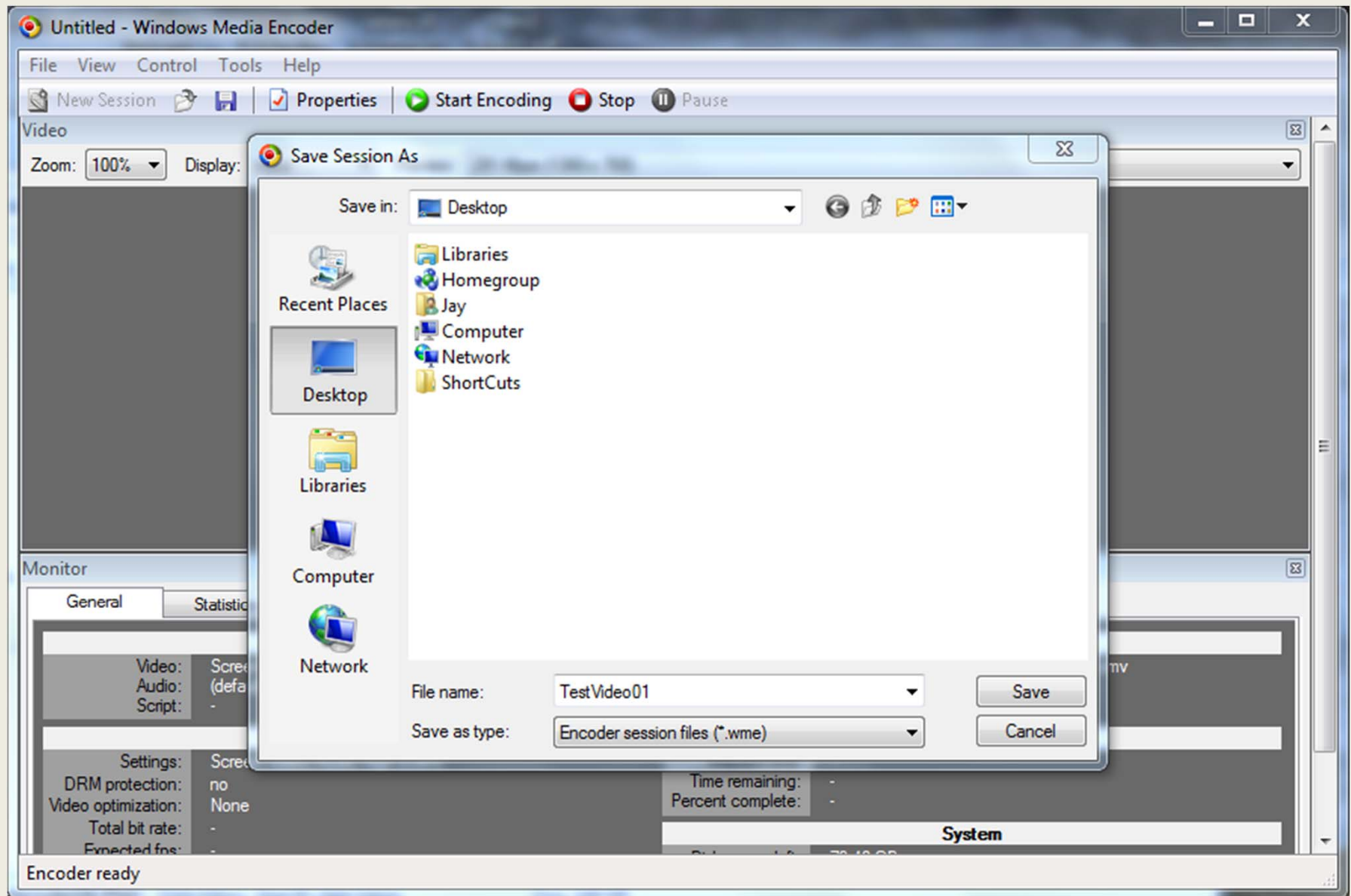




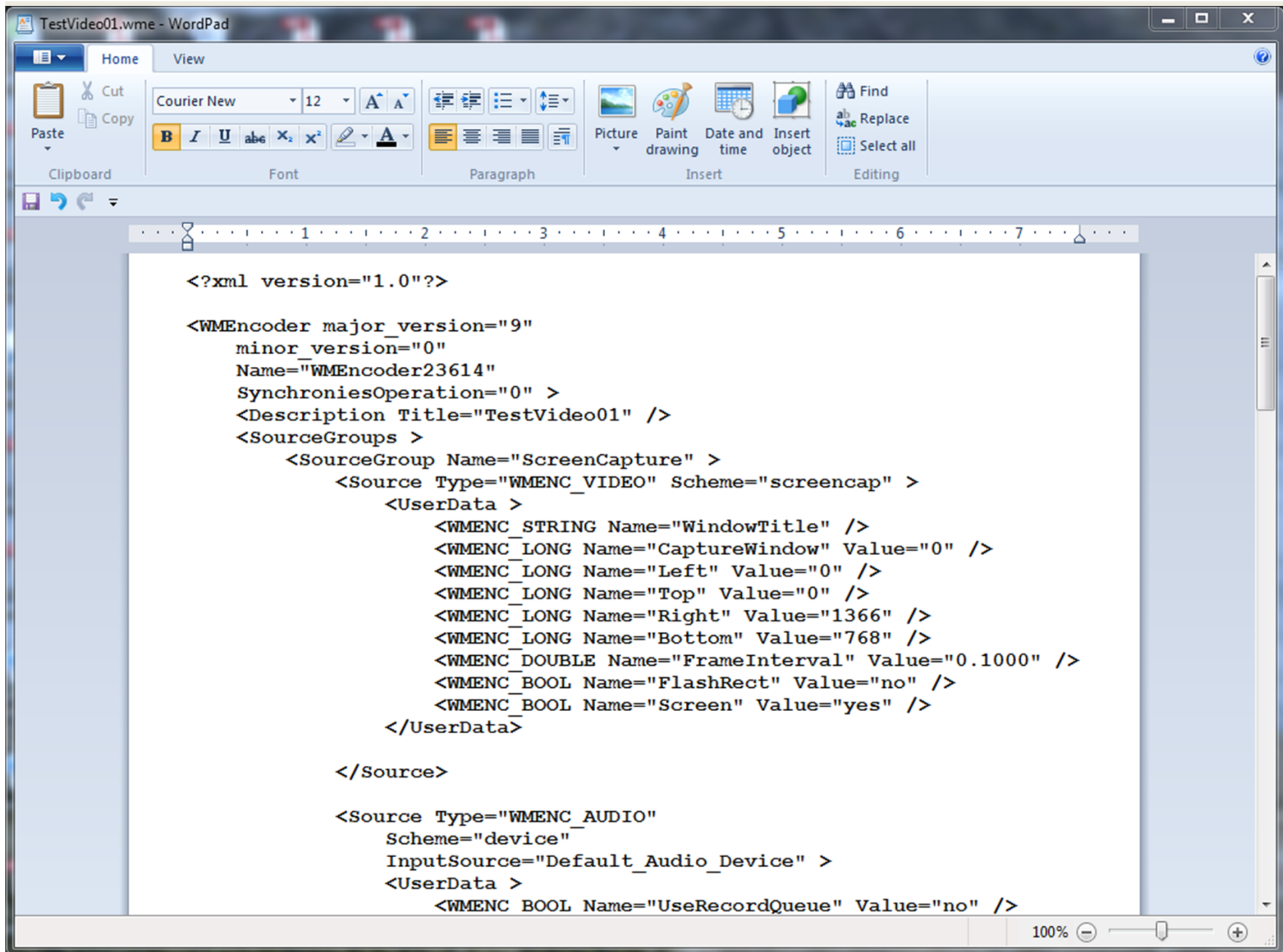


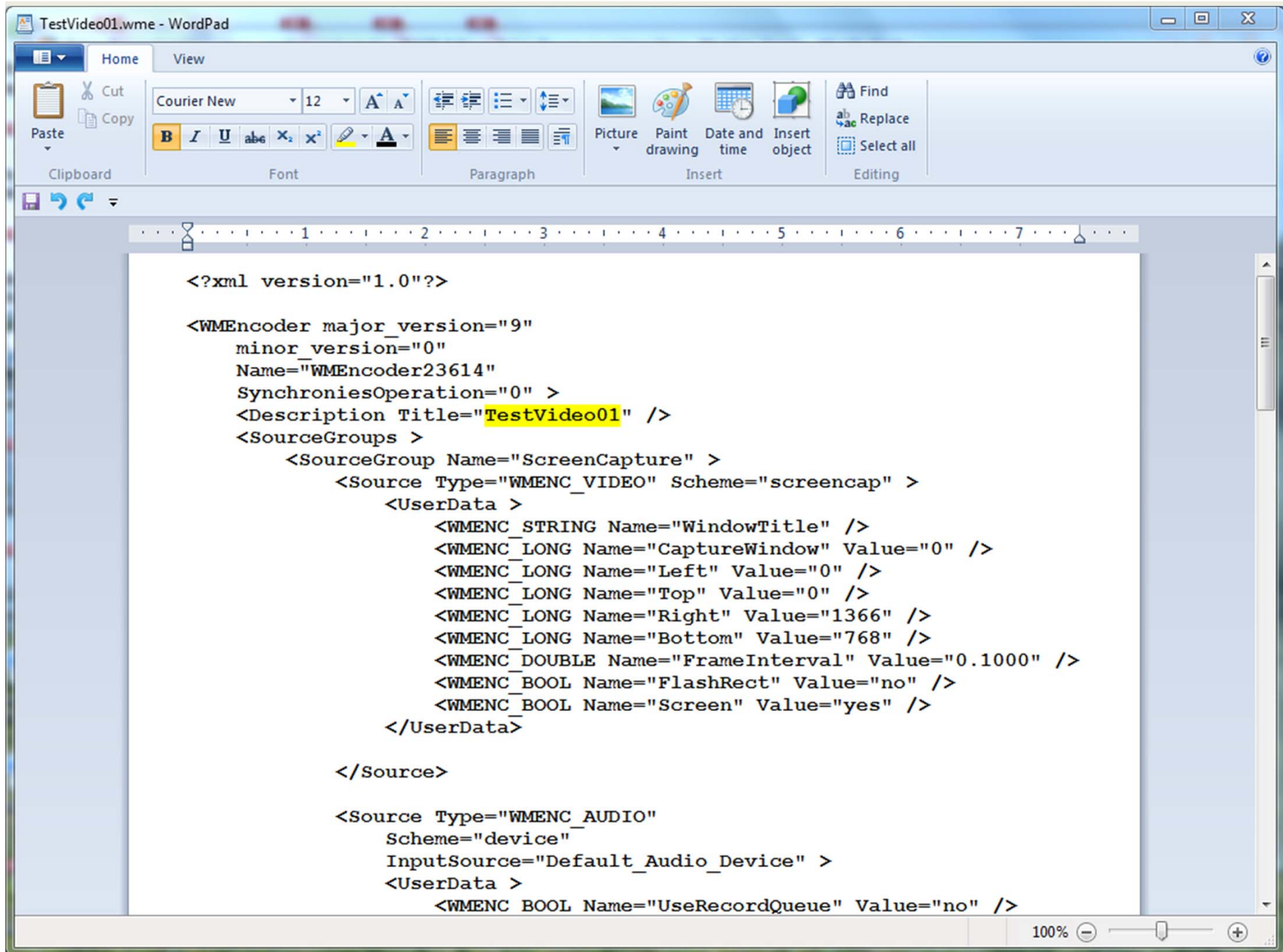


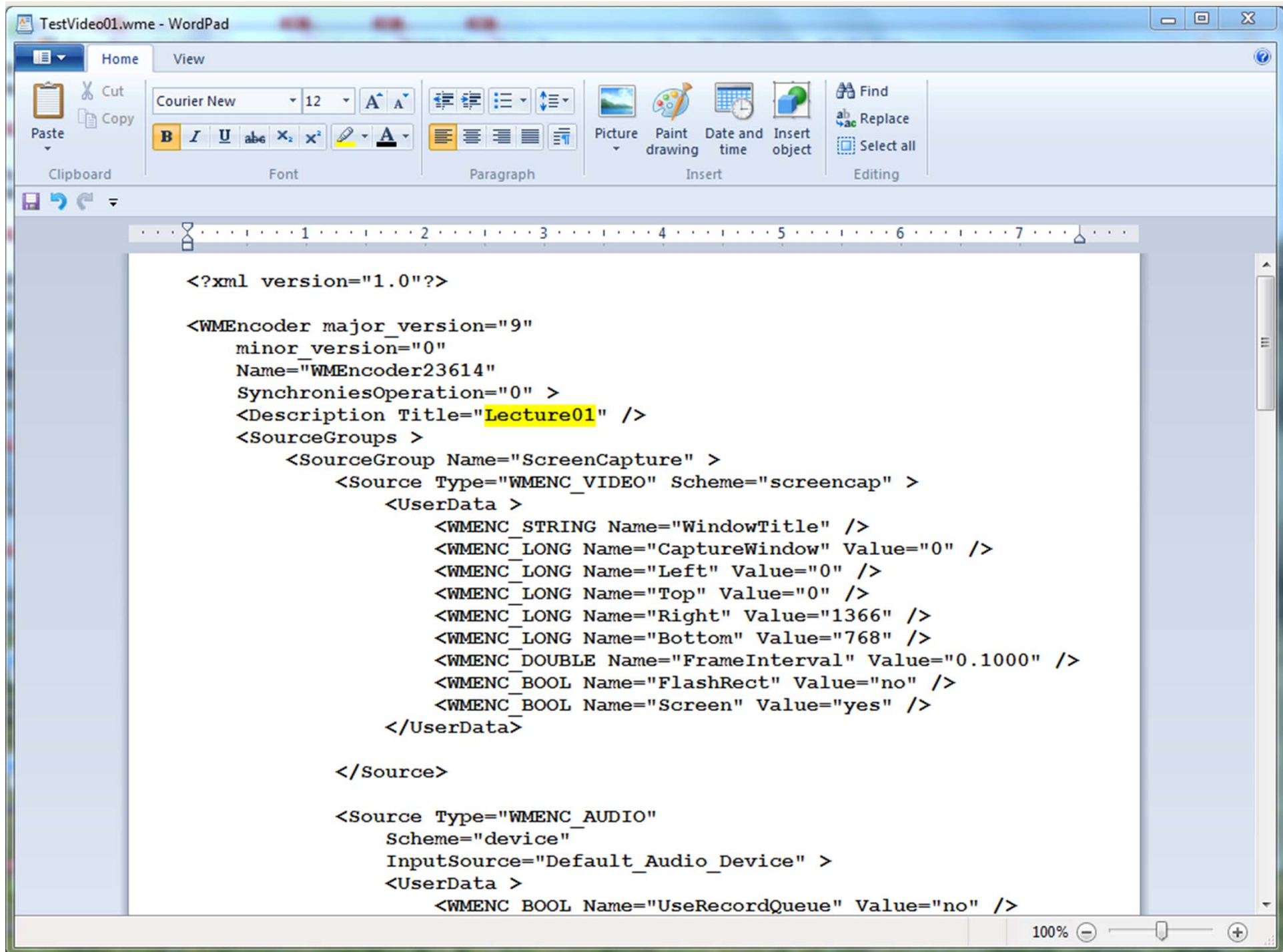




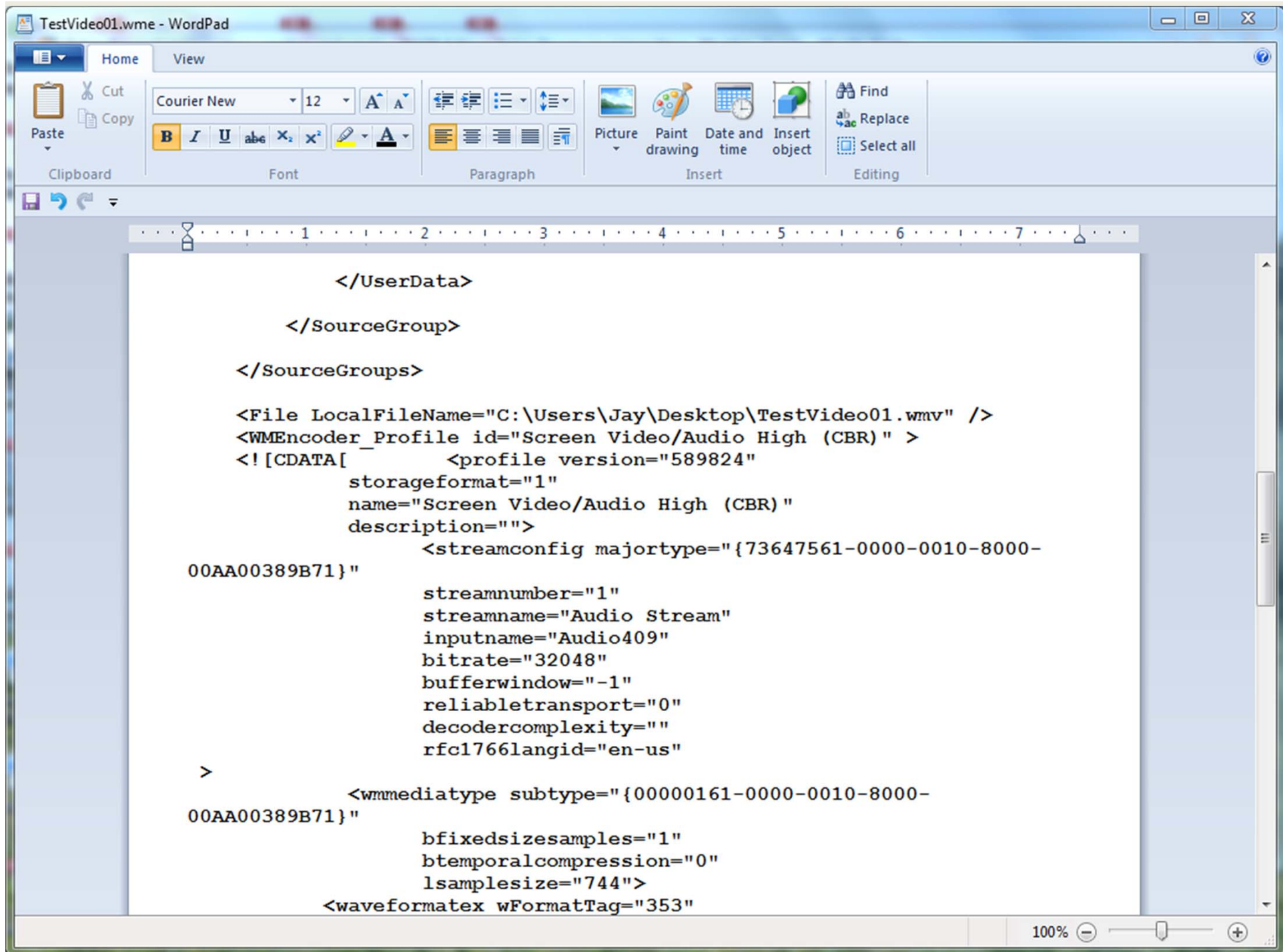


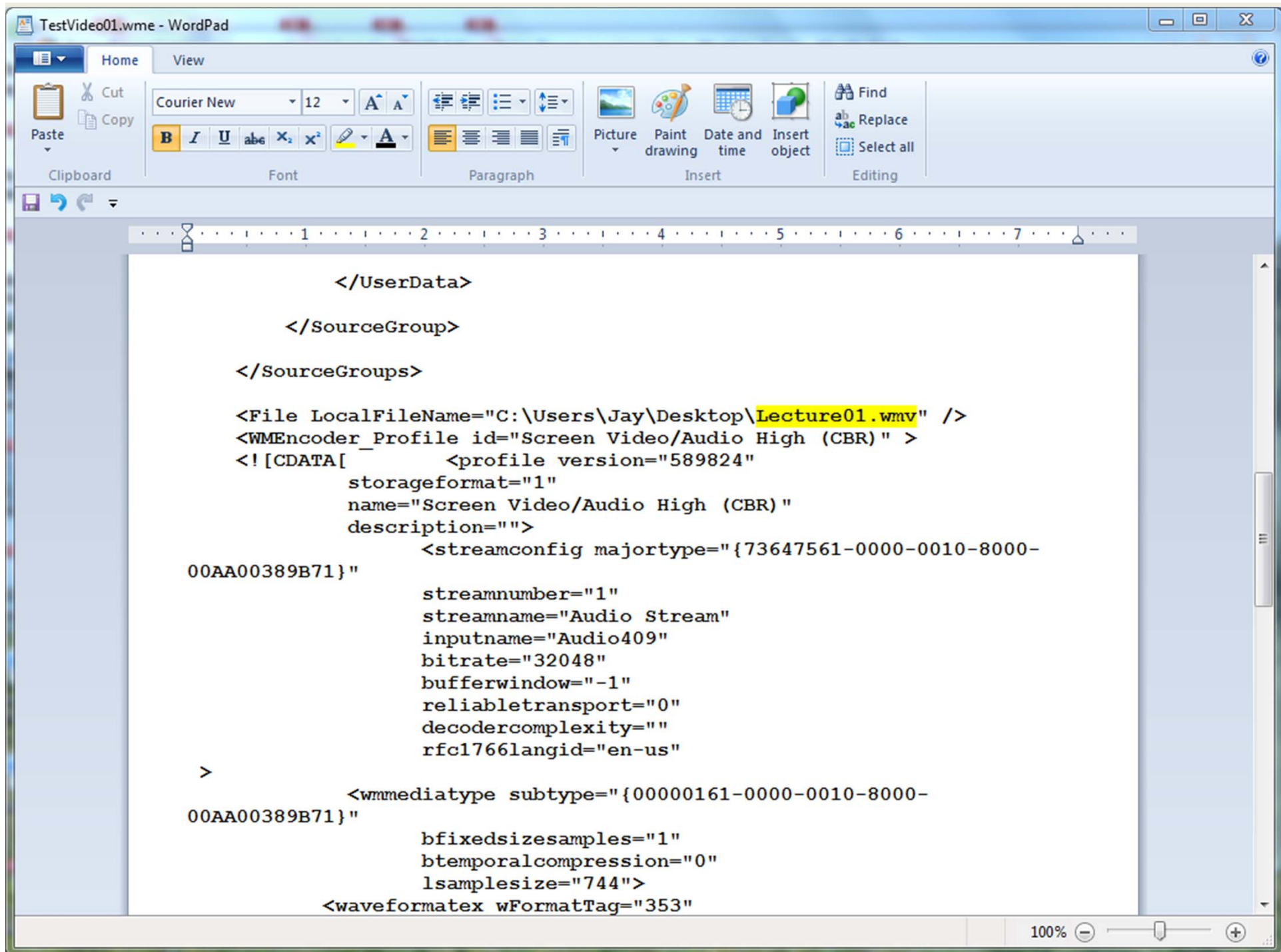


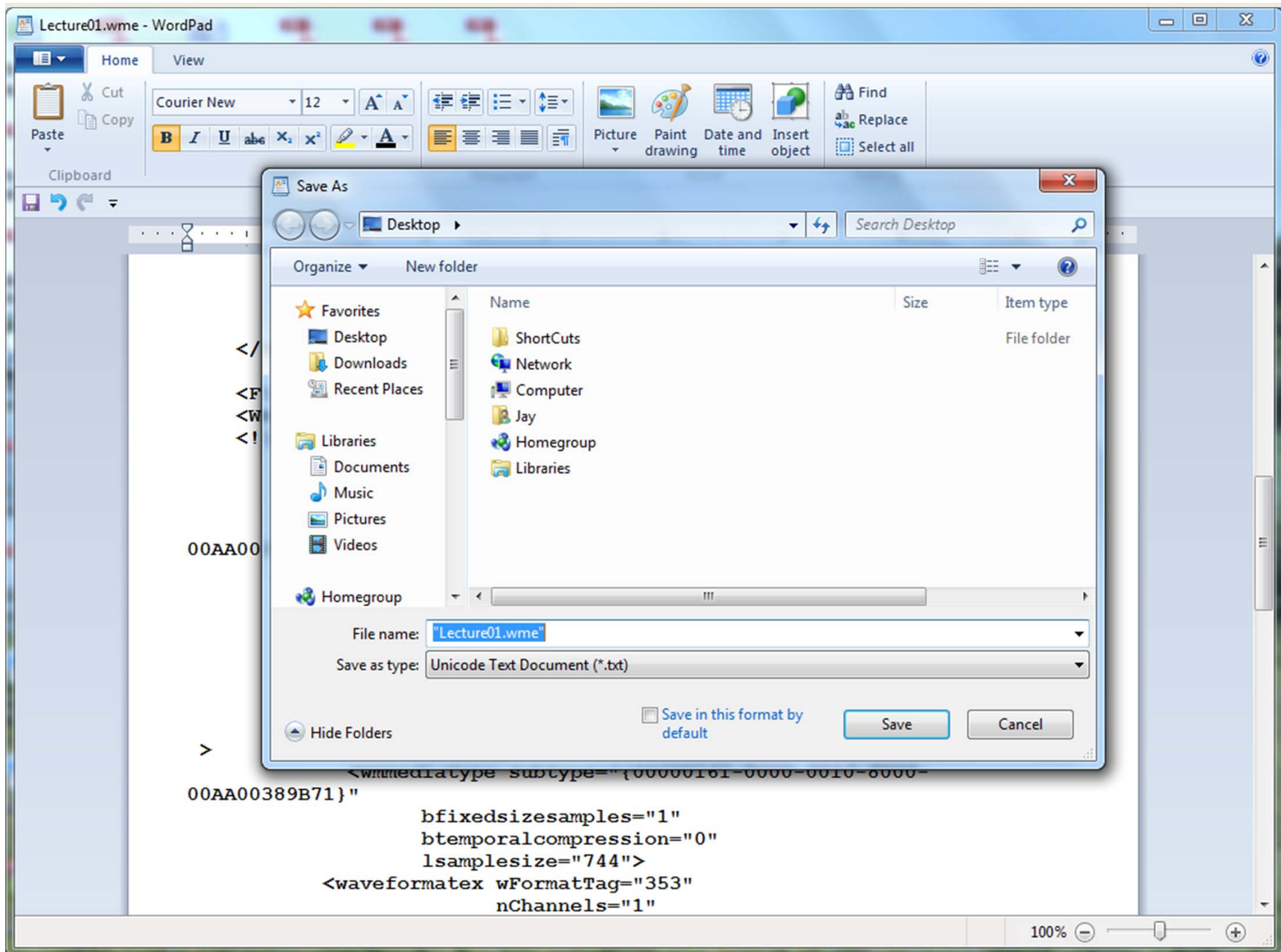












# Operating Encoder

- Bring up session with Encoder Shortcut or file
- Can pause and restart encoder
- Produces a WMV file (Windows Media Video)
- Stream from any streaming video server
- Some editing capabilities
- Encoder information can be saved in a WME file and reused

# Other applications

- Record consulting sessions
- Record tutoring sessions
- Record student guidance sessions



# Lecture material

- Encoder will capture anything presented on the monitor.
- Recommendations
  - Use a separate account for lectures
    - Cleaner background
    - Lower resolution if necessary
  - Remember that some things are not recorded
    - Avoid laser pointers
    - Avoid material written on the blackboard
    - Repeat oral questions from the students

# Lecture material

- Powerpoint is an obvious option for lectures
- I prefer Adobe Professional PDF files
  - Quick response
  - Numerous useful Tools
    - Zoom, undo with Fit page or Fit page width
    - Highlight
    - Line draw
    - Free form draw
  - Windows tools: **Ctrl Z** (undo erases marks)

# Conclusions

- MS Encoder is
  - Free
  - Easy to learn
  - Easy to use
  - Videos readily made available for streaming