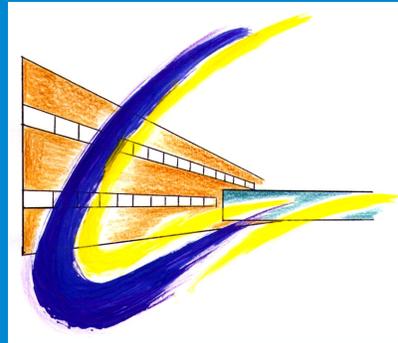


# SMX-M3-UF6-NF2-AF1-PRE

## Teoria de Vídeos



Joan Botella Vinaches  
Institut Castellbisbal

# Contenidors

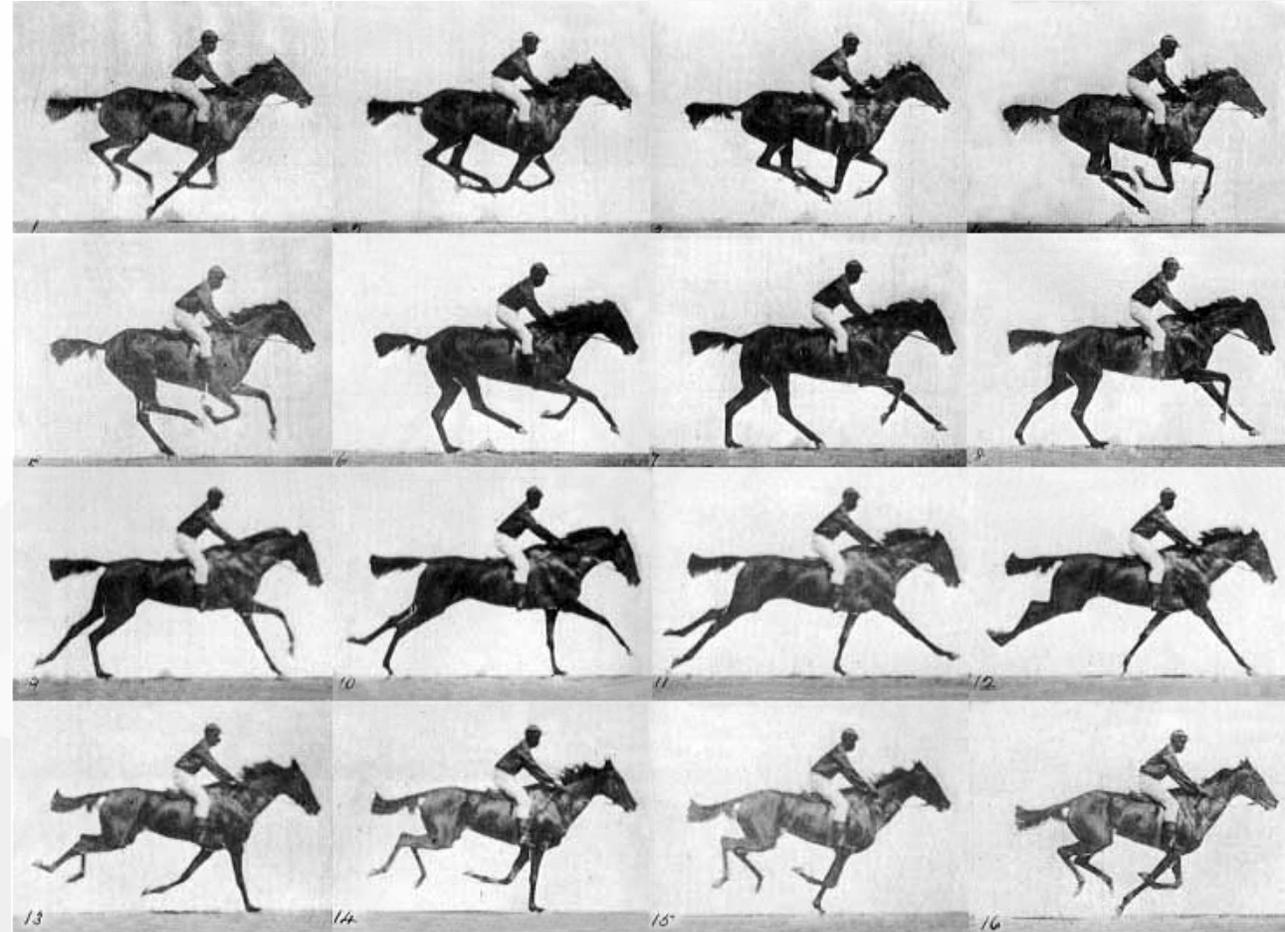
## Contentidors

- [Matroska \(MKV\)](#)
- [Ogg](#)
- [AVI](#)
- [MP4](#)

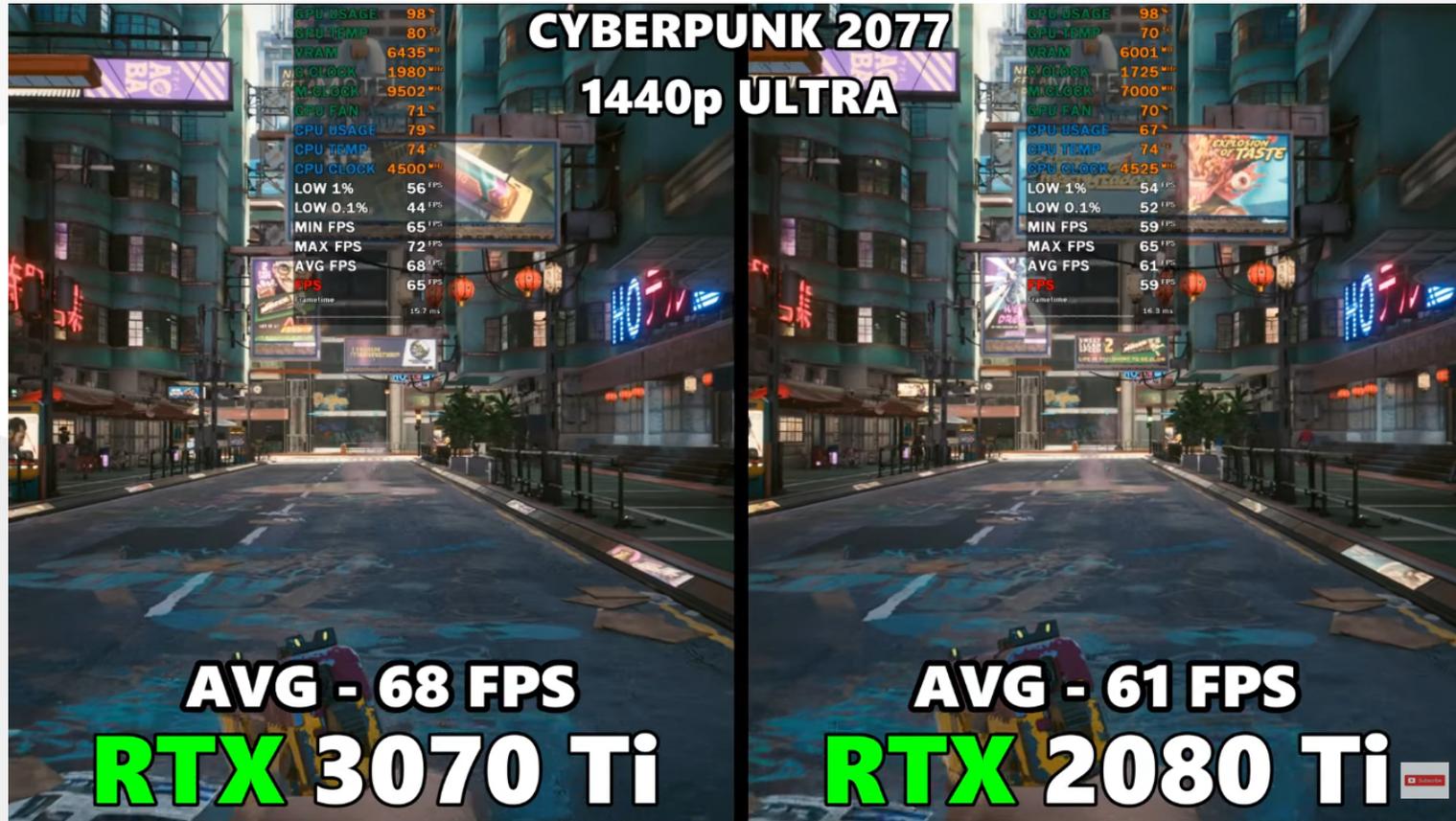
**Vídeo**

# Fotogrames (frame)

- Eadweard Muybridge



# Fotogrames per segon (FPS)



## Vídeo - Fotogrames per segon (FPS)

- 24 fps → Cine
- 30 fps → Televisió
- 60 fps → Videojocs
- [24 FPS vs 30 FPS vs 60 FPS \(comparison\)](#)
- Compte amb la [taxa de refresc](#) del monitor.

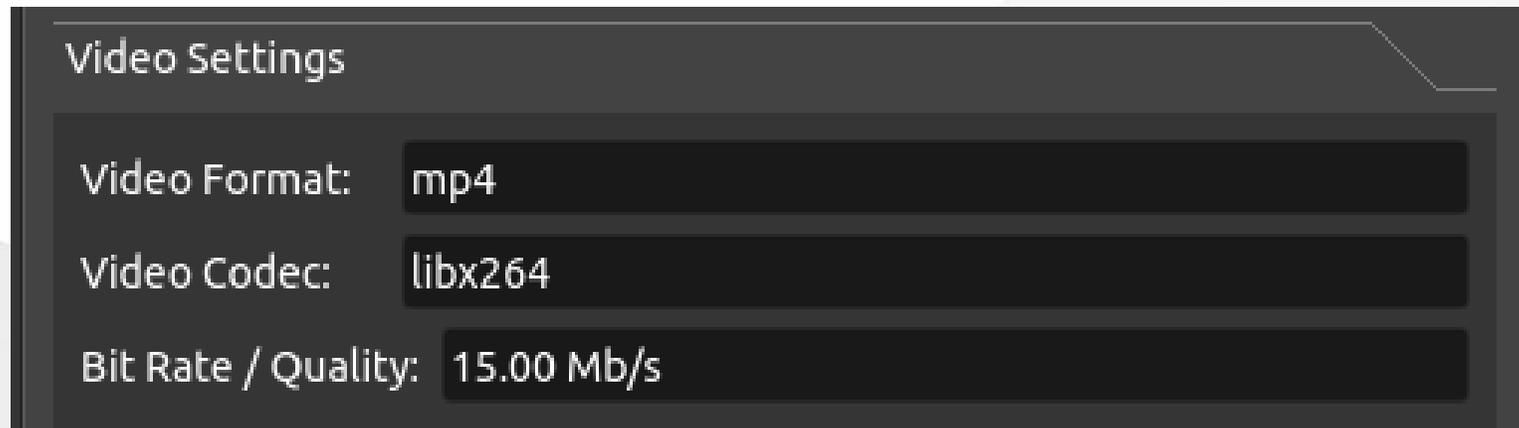
# Taxa de bits (bit rate, BPS).

- Taxes de bits habituais en vídeo

# Codecs de vídeo

- [AV1](#)
- [AVC \(H264\)](#)
- [HEVC \(H265\)](#)
- [Theora](#)
- [Xvid](#)

# Configuració de vídeo exportant un projecte



- [Exploració entrellaçada](#)

Profile

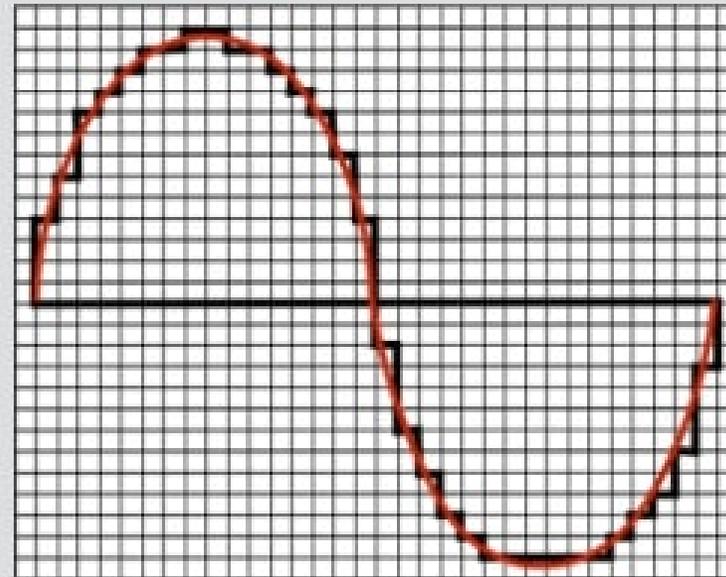
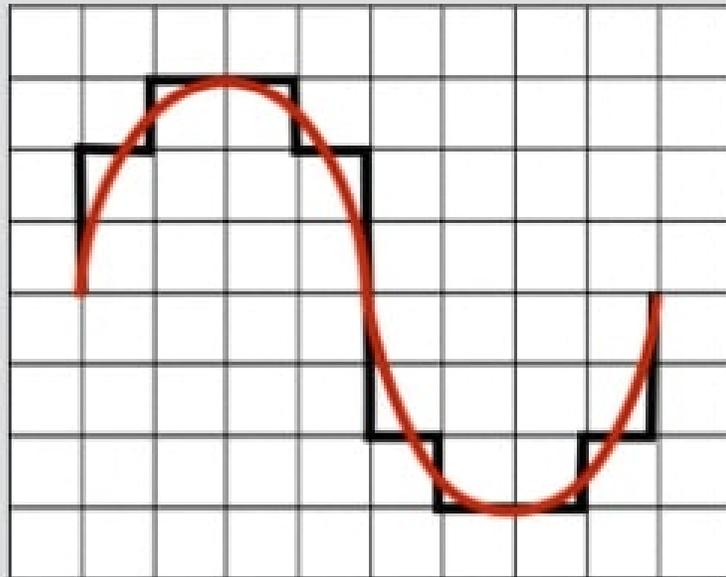
Profile:	HD 720p 30 fps (1280x720) ▾	
Width:	1280 ▾	
Height:	720 ▾	
Aspect Ratio:	16 ▾	9 ▾
Pixel Ratio:	1 ▾	1 ▾
Frame Rate:	30 ▾	1 ▾
Interlaced:	No ▾	

**Àudio**

# Sample rate

- 44.1 kHz → CDs de música
- 48 kHz → DVDs. 48 é múltiple de 24 fps
- Sample rate : Which to use? What is the best?

Low Sample Rate **VS** High Sample Rate



# Taxa de bits (Bit rate)

- [Taxes de bits habituals en àudio](#)

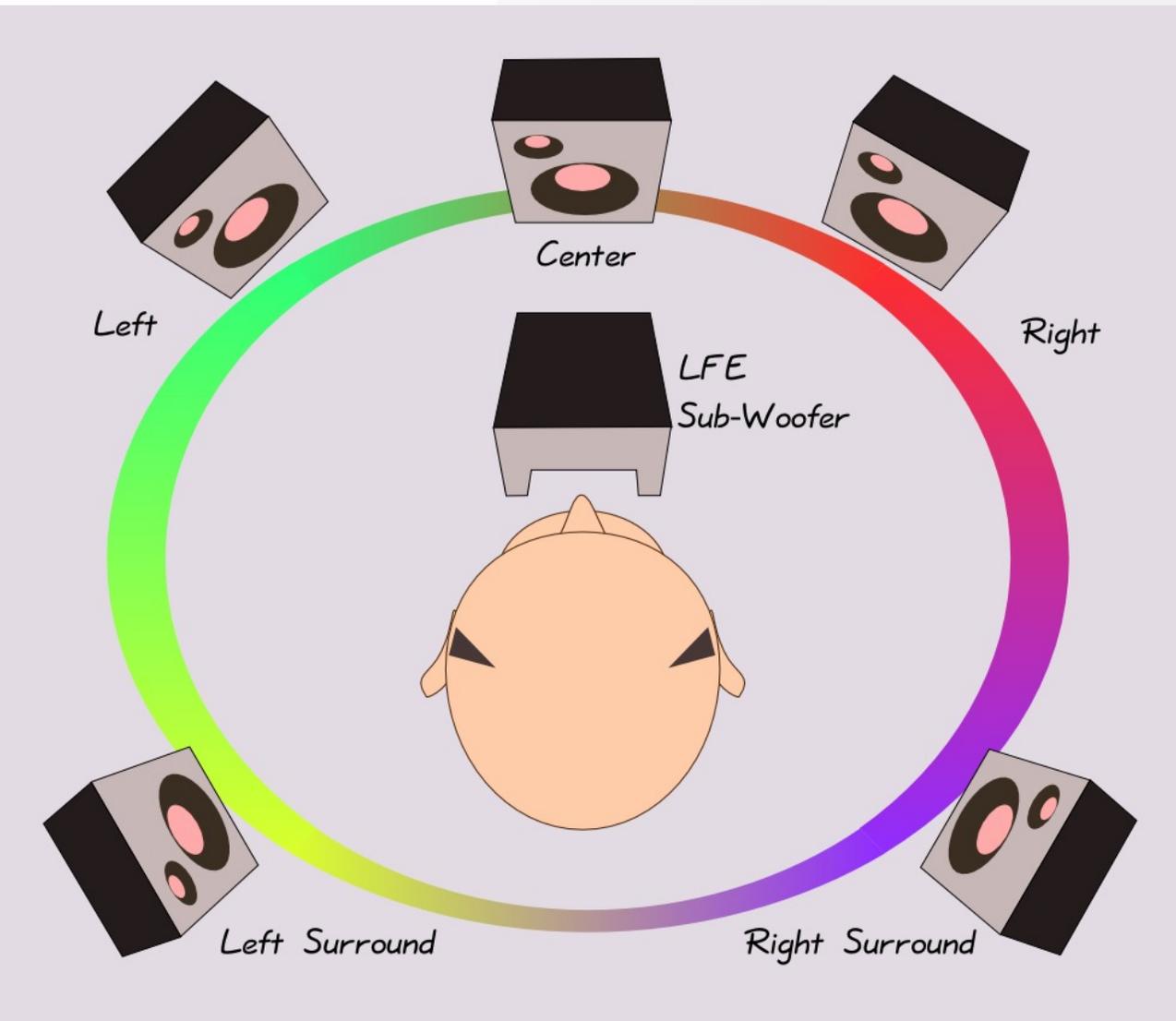
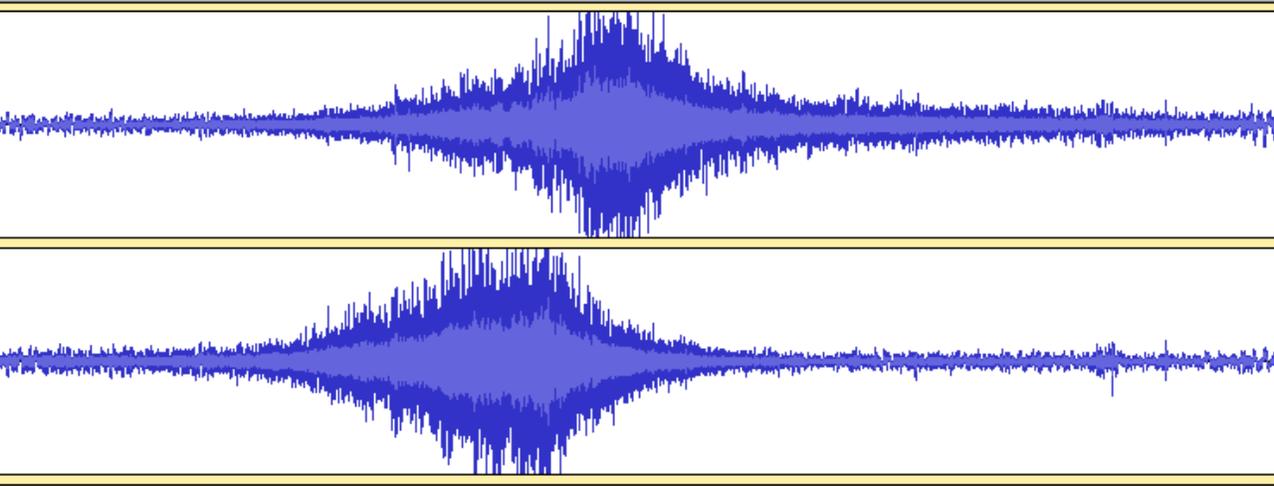
# Codecs d'àudio

- Vorbis
- AAC
- FLAC
- MP3
- WMA
- WAV: àudio sense comprimir; no és un codec de compressió.

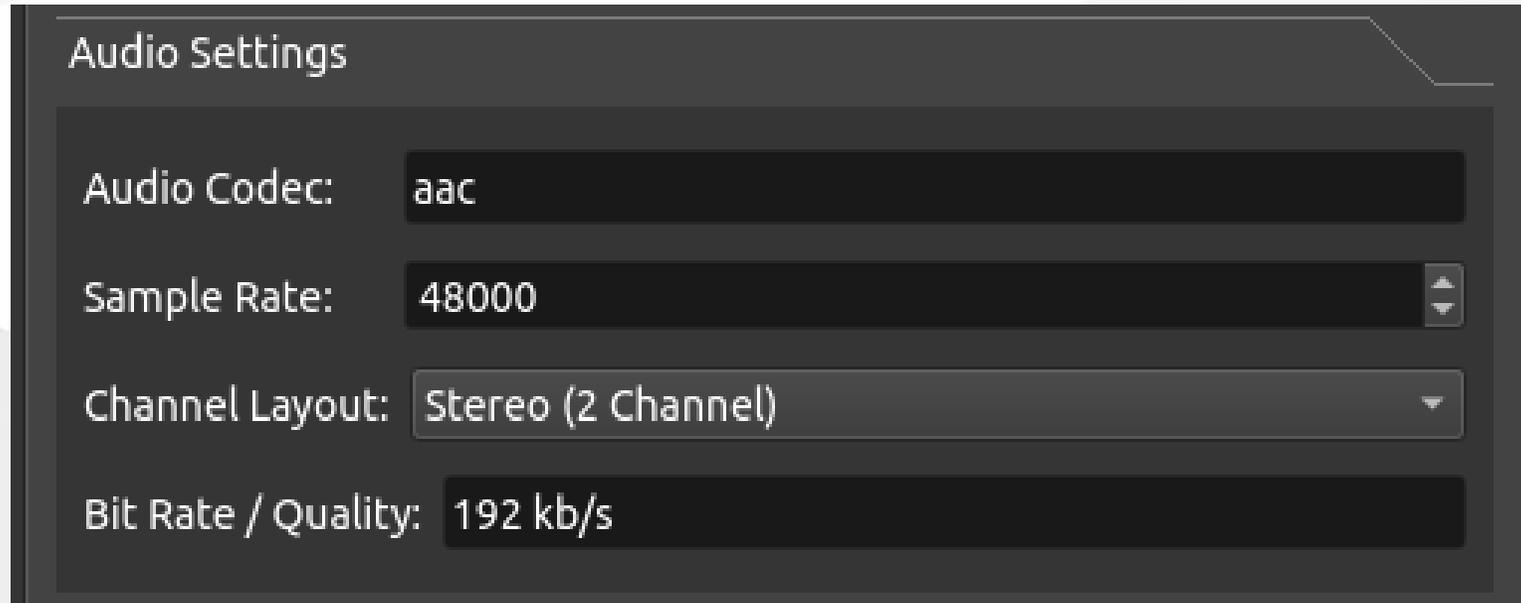
# Canals d'àudio

- [Mono](#): 1 canal
- [Stereo](#): 2 canals
  - [Qué es la Música 8D y por qué se ha hecho viral | Jaime Altozano](#)
- [Dolby Digital](#)
  - 5.1: 5 canals i 1 efecte de baixa freqüència (LFE)
  - 7.1: 7 canals i 1 efecte de baixa freqüència (LFE)

30.0 31.0 32.0 33.0 34.0 35.0 36.0 37.0 38.0 39.0 40.0 41.0 42.0 43.0 44.0 45.0 46.0



# Configuració d'àudio exportant un projecte



# Subtítols

## Subtítols

- [SubRip \(SRT\)](#)
- [opensubtitles.org](#)

1433  
02:26:17,361 --> 02:26:22,240  
I am a servant of the Secret Fire,  
wielder of the flame of Anor.

1434  
02:26:23,241 --> 02:26:26,995  
The dark fire will not avail you,  
flame of Udûn!

1435  
02:26:37,005 --> 02:26:38,966  
Go back to the Shadow.

1436  
02:26:46,807 --> 02:26:51,269  
You shall not pass!

1437  
02:27:18,422 --> 02:27:22,300  
- No! No!  
- Gandalf!

1438  
02:27:29,975 --> 02:27:32,436  
Fly, you fools!

**Software**

## Software

- [OpenShot](#)
- [Kdenlive](#)
- [youtube-dl](#)
- [OBS Studio](#)
- [Audacity](#)
- [FFmpeg](#)
- [VLC media player](#)

