

# Media player concept paper

How to realize a new flash player  
for video content

Piratenpartei Deutschland  
LV Bremen

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## 1. Changes

Version:	Author:	Description:	Date:
0.1	Ralf Schwenke	First draft of the document	11/07/2009

*Table 1: Version control*

## 2. Purpose and Scope

This document includes all concepts for a new media player which can/will be used on the website of the “Piratenpartei Deutschland – Landesverband Bremen”.

The player will be a Macromedia® flash player with special features and a specific layout and embedded in the website.

The layout information, like fonts, colors are not specified in this document. In section [5. Applicable Documents](#) a links to the layout information is stored.

## 3. Acronyms

## 4. The idea behind

The idea of the player is, to share knowledge of different topics in a video, so that the user can “see”, what is normally written on a web page. It gives a more direct opportunity to explain sometimes “hard” topics, and a chance of a misunderstanding is smaller, as with text only.

The whole media player content will consists of:

- Player (flash)
- Web interface (Java-script) → will be a module of Zikula
- Video description (to store some links to the video)
- Download link of the Video itself (will be a MP4 file) → to save it off-line

## 5. Features

The player will support the followed functions:

- Playing a Video in MP4 format with Flash supported Codec in Video and Sound
- Control function “slider” to jump to a specific time of the video
- Play, Stop and Pause button
- Runtime information (playing time, video length)
- Full-screen button (to maximize to video)
- Link button (to copy a link to the shown video page)
- Tag information (to find similar videos)
- “Auto jump” function (to jump automatically to a other video after full playtime)
- Video frame with similar videos (screen-shots of similar videos which can be played by selecting one)
- Auto hide function for the controls (to show the video in full size)
- Video buffer (to pre-load video and audio sequences)

## 6. Layout

### 6.1. Flash player

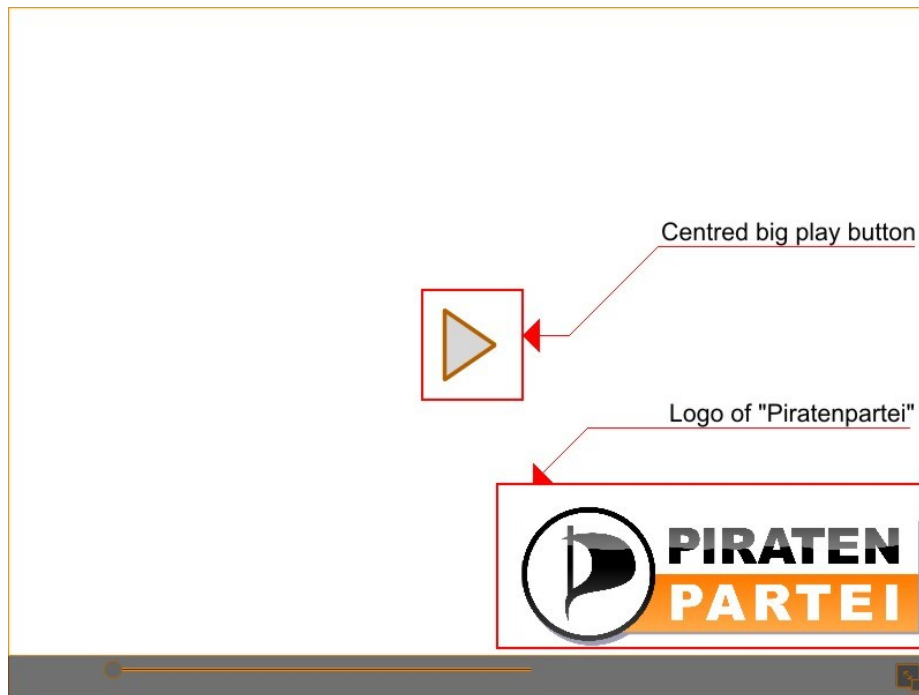


Figure 1: Player with unloaded content.

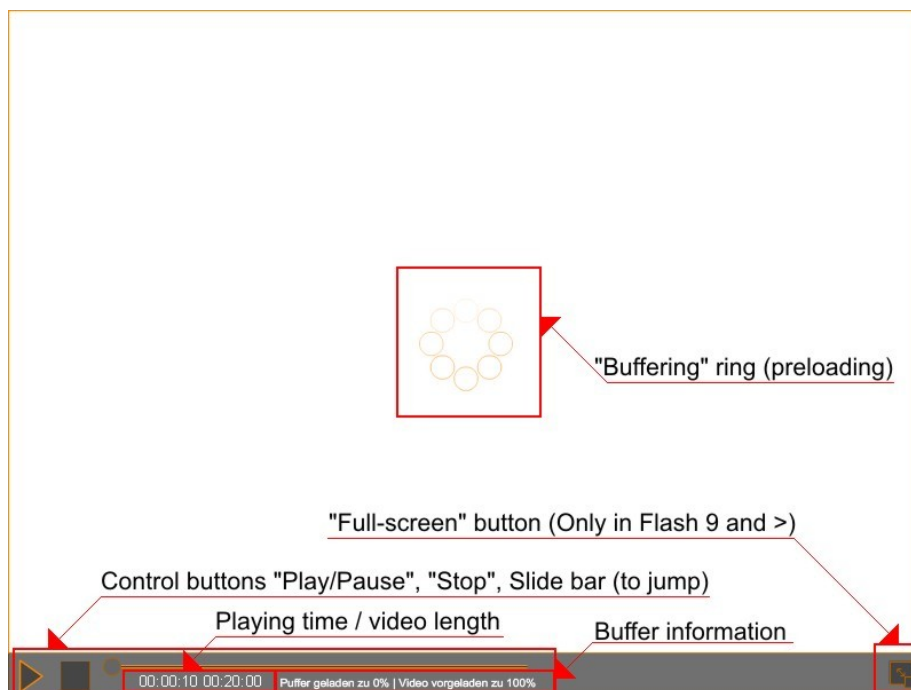


Figure 2: Player is loading content (control buttons are shown).

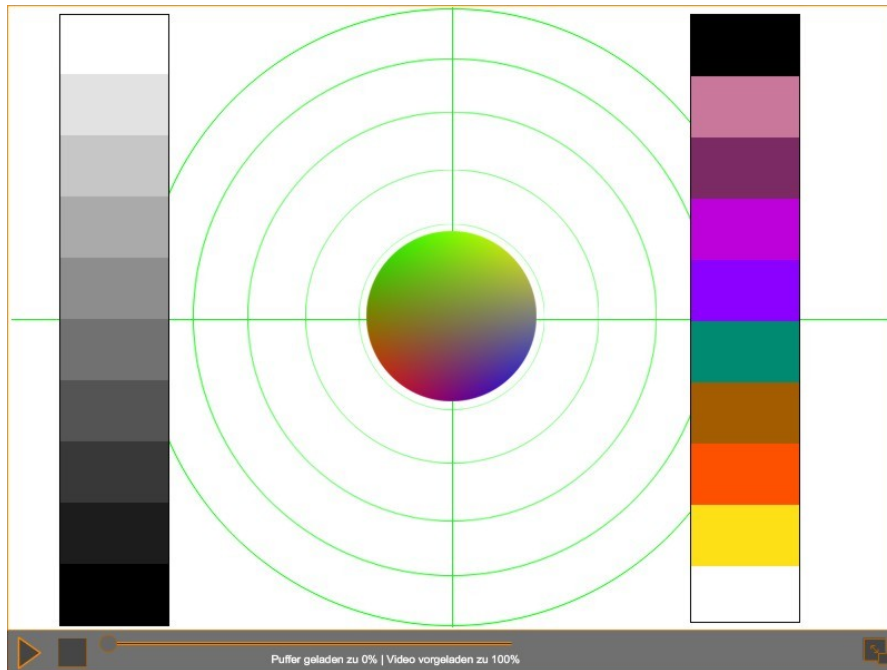


Figure 3: Player with test picture (to show the video area).

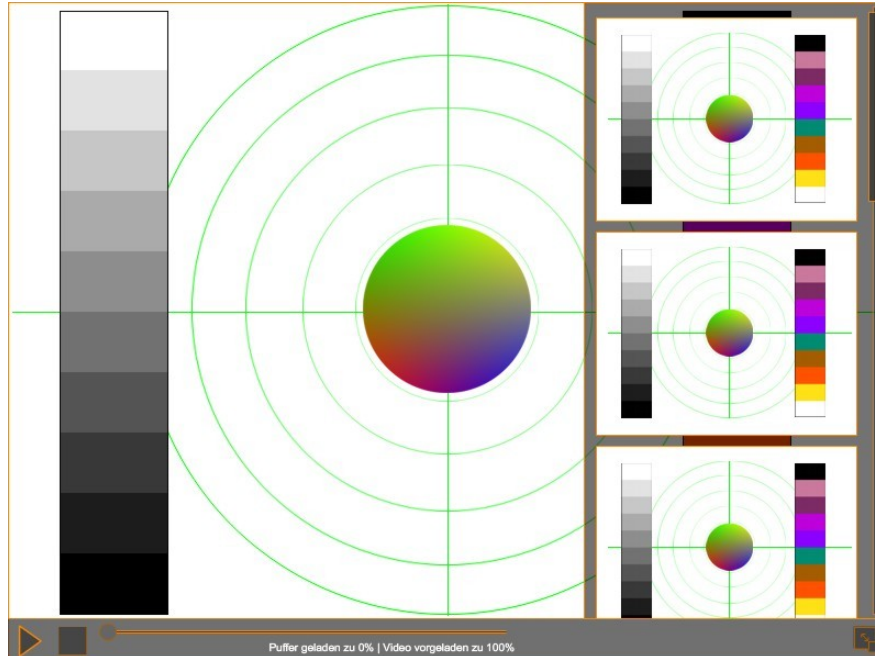


Figure 4: Player with video frame to select an similar video(a scroll bar on the right site is included, to support more than 3 videos in the list. The overlay video frame, will be minimize to the right.

## **6.2. Website**

To include the player in a HTML site, a small Java-script is needed. This script will be created by a Zikula module. This module must be created to handle the player in the Zikula environment. After that, the player can be placed in any part of the content by using the layout function of the page creation process of the Zikula framework.

It's possible to use the player in a normal html file without any CMS system by using free script parts (not part of this document).

## **6.3. Video description**

To give more information about the video and the topic of it, a description will be added to the video. This description will also be created with the Zikula layout framework.

If no Zikula CMS is used, a normal web page can do the same, by entering normal HTML text.

Also the download link must be stored in the description to download video for off-line usage.

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