

# Installation Guide

## Module MPlayer

### Installation

This plugin installs the standard way:

1. Unzip archive into the 'mod' directory of Moodle
2. Browse to administration notifications to finish installation.

### Global settings

The global settings mostly deal with default values for many advanced parameters.

#### Media Player

|                                                    |                                                                                                               |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Player<br><i>mplayer   default_player</i>          | Flowplayer ▼<br><i>Default: Flowplayer</i>                                                                    |
| Show debug code<br><i>mplayer   showdebugcode</i>  | <input type="checkbox"/><br><i>Default: No</i>                                                                |
| Authors can choose<br><i>mplayer   allowchoice</i> | No ▼<br><i>Default: No</i><br>If enabled, authors can override the site level technology choice per instance. |
| Width<br><i>mplayer   default_width</i>            | 100%<br><i>Default: 100%</i>                                                                                  |
| Height<br><i>mplayer   default_height</i>          | 570<br><i>Default: 570</i>                                                                                    |
| Skin (JW Player)<br><i>mplayer   default_skin</i>  | ▼<br><i>Default: Empty</i>                                                                                    |
| Show Icons<br><i>mplayer   default_icons</i>       | true ▼<br><i>Default: true</i>                                                                                |

### General settings

#### Player (technology)

Chooses the default technology used when creating a new instance. Both player may not provide exactly the same options, JW Player, f.e., natively is provided to play YouTube streams, but uses Flash

tecnhology. flowplayer is provided in html5 technolgy, but may not support adaptative bitrate.

### **Show debug code**

Special feature for the full javascript API player setup (flowplayer). Displays the complete JS script for debugging prupose.

### **Teachers can choose**

If enabled, the teacher in the course may be allowed to switch the player technology for the instance.

### **Width**

Player expected width. Some external constraints such as theme or other layout situation may force this with not to be maintained.

the value should be compatible with a CSS width: attribute, in percent or pixels.

### **Height**

Height, in pixels (no relative nor percent).

### **Skin (JWPlayer only)**

the default skin of the JW player.

### **Show icons**

Shows or hides video control commands and icons.

|                                                      |                                     |                                  |                        |
|------------------------------------------------------|-------------------------------------|----------------------------------|------------------------|
| Control Bar<br><i>mplayer   default_controlbar</i>   | <input type="text" value="bottom"/> | <input type="button" value="v"/> | <i>Default: bottom</i> |
| Front Color<br><i>mplayer   default_frontcolor</i>   | <input type="text"/>                |                                  | <i>Default: Empty</i>  |
| Back Color<br><i>mplayer   default_backcolor</i>     | <input type="text"/>                |                                  | <i>Default: Empty</i>  |
| Light Color<br><i>mplayer   default_lightcolor</i>   | <input type="text"/>                |                                  | <i>Default: Empty</i>  |
| Screen Color<br><i>mplayer   default_screencolor</i> | <input type="text"/>                |                                  | <i>Default: Empty</i>  |
| Auto Start<br><i>mplayer   default_autostart</i>     | <input type="text" value="false"/>  | <input type="button" value="v"/> | <i>Default: false</i>  |
| Full Screen<br><i>mplayer   default_fullscreen</i>   | <input type="text" value="true"/>   | <input type="button" value="v"/> | <i>Default: true</i>   |

### Control bar location

If player allows to, will change the location of the controls on the player interface.

### Foreground color

If player allows to, changes the foreground color of the video GUI.

### Background color

If player allows to, changes the background color of the video GUI, f.e. the background when no video nor poster is playing.

### Light color

If player allows to, changes the light color of the video GUI, this usually affects the player control texts.

### Autoplay

If enabled, new player instances will autoplay media as a default.

## Full screen

If enabled, the full screen switch is available for users as a default for new instances.



## Scaling content (JWPlayer)

Modes of image adjustment to outbounds of the player.

## Volume

Default volume for new player instances.

## Native full screen controls (flowplayer)

Some devices have some special behaviour with the full screen feature. Usually those device provide a simulation of standard full-screen behaviour, rather than device native. If you experience some difficulties with the full screen among your users, this may help to fix some inadequate behaviours.

## Extra Configuration with a streaming server

The MPlayer module can cooperate with a deferred video stream player. When feeding Moodle with videos, the media file is first uploaded in moodle the standard way, then it is moved to the remote storage and replaced locally by a manifest text file.

For this configuration to work, you will need locally mounting a remote volume from the media server filesystem.

Till now we worked in two opensource/community directions:

- Wowza server
- Apache pseudo-streaming using H264 additional module ([https://www.apachehaus.net/modules/mod\\_h264\\_streaming/](https://www.apachehaus.net/modules/mod_h264_streaming/))

HTTP media server  
player | httpmediaserver

Default: Empty

HTTP media path  
mplayer | httpmediapath

Default: Empty

HTTP storage dir  
er | httpmediacontentdir

Default: Empty

IP Streaming source  
mplayer | wowzaserver

Default: Empty

streaming application  
layer | wowzaapplication

Default: /vod

Content Directory  
layer | wowzacontentdir

Default: Empty

### Media flow server url

The rtmp url of the flow server. In case the server exploits HLS (over HTTP) or is using an H264 over apache distribution, this setting is not relevant.

### Stream server application

Many streaming server propose several applications: VOD (video ondemand) is the standard application when reading a stored video, and live streaming when the stream comes from an active camera.

### Remote media storage

Give the local mount path for the remote storage volume. this needs to be an absolute path in your local system (mount point).

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