

## AAMP Video Tag Support

AAMP Engine can be used to play content via an HTML app by making use of of HTML5 video tag. This documentation describes the standard HTML5 <video> tag properties and methods which are supported by AAMP.

In the HTML page only video tag is necessary inside the HTML body.

Example:

```
<body>
  <video id = "myVideo" src = "aamp://samples/movieFile.m3u8">
  </video>
</body>
```

Where "id" can be any name given for that particular video tag and "src" is the URL of the video file which specifies the source of that video file.

### Video Tag Methods:

- **play()**
  - Starts the playback of the video.
  - Syntax: video.play()
  - Parameters: None
  - Return Value: None
  - Example:

```
var video = document.getElementById("myVideo");

function playVideo() {
  video.play();
}
```

- **pause()**

- Pauses the currently playing video.
- Syntax: video.pause()
- Parameters: None
- Return Value: None
- Example:

```
var video = document.getElementById("myVideo");

function pauseVideo() {
    video.pause();
}
```

- **load()**

- Re-loads the video element.
- The load() method is used to update the audio/video element after changing the source or other settings.
- Syntax: video.load()
- Parameters: None
- Return Value: None
- Example:

```
var video = document.getElementById("myVideo");

function loadVideo() {
    video.src = "aamp://movieFile.m3u8";
    video.load();
}
```

## Video Tag Properties:

- **currentTime**

- Sets or returns the current playback position in the video.
- Value in seconds.
- Syntax: video.currentTime
- Return Value: A Number which represents the current playback time in seconds.
- Example:

```
var video = document.getElementById("myVideo");

function getCurrentTime() {
  var playbackTime = video.currentTime; // Gives the current time
}

function setCurrentTime() {
  video.currentTime = 10; // Sets the current time to 10 seconds
}
```

- **duration**

- Returns the length of the current video.
- Value in seconds.
- This property is read-only.
- Syntax: video.duration
- Return Value: A Number which represents the length of the video. If no video is set, "NaN" is returned. If the video is streamed and has no predefined length, "Inf" is returned.
- Example:

```
var video = document.getElementById("myVideo");

function getVideoDuration() {
```

```
var videoDuration = video.duration; // Gives the video duration
}
```

- **muted**

- Specifies that the audio output of the video should be muted or not.
- Type: Boolean
- Syntax: video.muted
- Property value If true, it indicates that the sound should be turned OFF for the video and if false, it indicates that the sound should be turned ON for the video.
- Return Value: A Boolean which returns true if the sound is turned OFF, and false if the sound is turned ON.
- Default Value: false

```
var video = document.getElementById("myVideo");

function muteVideo() {
    video.muted = true; //mutes the video
}

function unmuteVideo() {
    video.muted = false; // unmutes the video
}

function checkMuteValue() {
    var muteValue = video.muted; // returns the muted value
}
```

- **paused**

- Returns whether the video is paused or not.
- This property is read-only.
- Type: Boolean

- Syntax: video.paused
- Return Value: A Boolean, returns true if the video is paused. Otherwise it returns false.
- Example:

```
var video = document.getElementById("myVideo");

function isVideoPaused() {
  var onPause = video.paused; // returns the Boolean paused value
}
```

- **playbackRate**

- Sets or returns the speed of the video playback.
- Type: Number
- Syntax: video.playbackRate
- AAMP supported playbackrates: [-32, -16, -4, -1, 1, 4, 16, 32, 64]
- Return Value: A Number, the current playback speed.
- Default Value: 1.0

```
var video = document.getElementById("myVideo");

function getPlaybackSpeed() {
  var speedX = video.playbackRate; // returns the playback rate
}

function setPlaybackSpeed () {
  video.playbackRate = 4; // sets the playback speed 4x times faster
}
```

- **src**

- Specifies the URL of the video file.

- Type: String
- Syntax: video.src
- Return Value: A String, representing the URL of the video file. Returns the entire URL.
- Use prefixes aamp:// for http content and aamps:// for https content.
- Example:

```
var video = document.getElementById("myVideo");

function setVideoSource() {
    video.src = "aamp://samples/movieFile.m3u8"; // sets the video src
}

function getVideoSource() {
    var videoURL = video.src; // returns the URL to the variable videoURL
}
```

- It can also be embedded inside the video tag in HTML.

```
<video id = "myVideo" src = "aamp://samples/movieFile.m3u8" >
</video>
```