

HTML MEDIA (AUDIO AND VIDEO)

HTML5 features include native audio and video support without the need for Flash.

The HTML5 <audio> and <video> tags make it simple to add media to a website. You need to set src attribute to identify the media source and include a controls attribute so the user can play and pause the media.

Embedding Video

Here is the simplest form of embedding a video file in your webpage –

```
<video src = "foo.mp4" width = "300" height = "200" controls>
```

Your browser does not support the <video> element.

```
</video>
```

The current HTML5 draft specification does not specify which video formats browsers should support in the video tag. But most commonly used video formats are –

- Ogg – Ogg files with Theora video codec and Vorbis audio codec.
- mpeg4 – MPEG4 files with H.264 video codec and AAC audio codec.

You can use <source> tag to specify media along with media type and many other attributes. A video element allows multiple source elements and browser will use the first recognized format –

```
<!DOCTYPE HTML>
```

```
<html>
```

```
<body>
```

```
<video width = "300" height = "200" controls autoplay>
```

```
<source src = "/html5/foo.ogg" type = "video/ogg" />
```

```
<source src = "/html5/foo.mp4" type = "video/mp4" />
```

Your browser does not support the <video> element.

```
</video>
```

```
</body>
```

```
</html>
```

Video Attribute Specification

The HTML5 video tag can have a number of attributes to control the look and feel and various functionalities of the control –

Sr.No.	Attribute & Description
1	autoplay This Boolean attribute if specified, the video will automatically begin to play back as soon as it can do so without stopping to finish loading the data.
2	autobuffer This Boolean attribute if specified, the video will automatically begin buffering even if it's not set to automatically play.
3	controls

	If this attribute is present, it will allow the user to control video playback, including volume, seeking, and pause/resume playback.
4	height This attribute specifies the height of the video's display area, in CSS pixels.
5	loop This Boolean attribute if specified, will allow video automatically seek back to the start after reaching at the end.
6	preload This attribute specifies that the video will be loaded at page load, and ready to run. Ignored if autoplay is present.
7	poster This is a URL of an image to show until the user plays or seeks.
8	src The URL of the video to embed. This is optional; you may instead use the <source> element within the video block to specify the video to embed.
9	width This attribute specifies the width of the video's display area, in CSS pixels.

Embedding Audio

HTML5 supports <audio> tag which is used to embed sound content in an HTML or XHTML document as follows.

```
<audio src = "foo.wav" controls autoplay>
```

Your browser does not support the <audio> element.

```
</audio>
```

The current HTML5 draft specification does not specify which audio formats browsers should support in the audio tag. But most commonly used audio formats are **ogg**, **mp3** and **wav**.