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## **Can I import my QTVR movies in web authoring programs?**

Yes, you can import or insert a QuickTime movie or a QuickTime VR movie in many of the popular web authoring programs, Adobe GoLive , Macromedia Dreamweaver and Microsoft's FrontPage. For more information on how to import QTVR movies into these applications, please reference their user's manual.

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## **How do I embed a QTVR for web delivery?**

### **EMBED**

The EMBED tag allows media file types with other than those supported by the browser natively, to be handled with an external application or plug-in. The EMBED tag has been supported in Netscape's Navigator since version 2.0 and in Internet Explorer since version 3.0. The EMBED tag itself has yet to be specified as a standard in HTML. Therefore, browsers support various attributes in various versions. The list of EMBED attributes is long and twisted, here we will document the EMBED attributes QuickTime supports.

/EMBED

HOTSPOT n="url"

This tag enables clicking on a hotspot with the specified ID in a VR panorama to take the user to the specified URL. N is the hotspot ID as defined when the hotspot is created in the QuickTime VR authoring tools. URL is an Internet-standard Uniform Resource Locator. For example:

`HOTSPOT17="http://www.apple.com/quicktime/download/"`

Would specify that when hotspot 17 was clicked, the QuickTime home page should load.

Note: QuickTime VR 2/1 now supports hotspots on object movies as well as panoramas.

`TARGET n="frame_name"`

TARGET is an optional parameter, used in conjunction with the HOTSPOT or HREF parameters. When set, the TARGET parameter is the name of a valid frame (including `_self`, `_top`, `_parent`, `_blank` or an explicit frame name) that will be the target of a link specified by the HOTSPOT or HREF tag. Leaving TARGET unspecified will open the new file in the same place as the current movie.

For example:

`HOTSPOT32="http://quicktimevr.apple.com" TARGET32="_blank"`

Would specify that when hotspot 32 is clicked, the QuickTime VR home page should be loaded in a new window. It is important to use the same ID# for both the HOTSPOT and TARGET for each URL reference. This ensures that the plug-in knows what HOTSPOT goes with what TARGET.

`CACHE="value"`

CACHE is an optional parameter. Possible values are TRUE or FALSE, or simply CACHE (implies TRUE). If you specify CACHE or `CACHE=TRUE`, the browser will cache movies when possible just like other documents. If the movie is still in the cache when the user returns to the page, it will not need to be downloaded again.

Note: The functionality of this tag is only supported by Netscape Navigator 3.0 or 4.0. However, the plug-in settings dialog allows for the user to always save the movie to disk cache.

If you do not specify the CACHE, it defaults to the setting specified

by the user in the Preferences dialog.

VOLUME="value"

VOLUME is an optional parameter. Possible values are 0 through 100. A setting of 0 effectively mutes the audio; a setting of 100 is maximum volume. If you do not specify VOLUME, it defaults to 100.

SCALE="value"

SCALE is an optional parameter. Possible values are TOFIT, ASPECT, or a number. If TOFIT, the movie is scaled to fit the embedded box as specified by the HEIGHT and WIDTH tags. If ASPECT, scale movie to fit the embedded box but maintain the aspect ratio. If a number, scale movie by that number (e.g. 1.5). Note: Using the number scale tag with a QTVR Panorama movie can degrade the performance of the movie even on high-end systems.

If you do not specify SCALE, its default value is 1.

PLUGINSOURCE="url"

PLUGINSOURCE is an optional parameter. The PLUGINSOURCE parameter allows you to specify a URL from which the user can fetch the necessary plug-in if it is not installed. This parameter is handled by your browser. If your browser cannot find the plug-in when loading your page, it will warn the user and allow them to bring up the specified URL, from which one could download the QuickTime Plug-In.

**IMPORTANT:** Please set this parameter to:

"<http://www.apple.com/quicktime/download/>" which will point to the latest version of the plug-in. This option is appropriate for both QuickTime movies and QuickTime VR Objects and Panoramas.

WIDTH="size in pixels"

The WIDTH attribute specifies the width of the embedded

document in pixels. The WIDTH parameter is required. Never specify width of less than 2 as this can cause problems with some browsers. If you are trying to use tiny width and height to hide the movie, use the HIDDEN tag instead, as explained below. If you don't know the width of the movie, open you movie with QuickTime Player that comes with QuickTime and select "GET Info" from the Movie menu. If you do not use the SCALE tag and you supply a width that is smaller than the actual width of the movie, the movie will be cropped to fit the width. If you supply a width that is greater than the width of the movie, the movie will be centered inside this width.

HEIGHT="size in pixels"

The HEIGHT attribute specifies the height of the embedded document, in pixels. If you want to display the movie's controller, you will need to add 16 pixels to the HEIGHT. The HEIGHT parameter is required unless you use the HIDDEN parameter (below). Never specify a height of less than 2 as this can cause problems with some browsers. If you are trying to use tiny width and height to hide the movie, use the HIDDEN tag instead, as explained below. If you don't know the height of the movie, open your movie with QuickTime Player and select Get Info from the Movie menu. If you do not use the SCALE tag and you supply a height that is smaller than the actual height of the movie (plus 16 if you are showing the controller), the movie will be cropped to fit the height. If you supply a height that is greater than the height of the movie, the movie will be centered inside this height.

## HIDDEN

HIDDEN is an optional parameter. The HIDDEN parameter controls the visibility of the movie. There are no values to supply for this parameter. If you do not supply HIDDEN, then the movie will be visible. If you supply HIDDEN, the movie is not visible on the page. This option is not appropriate for QuickTime VR Objects or Panoramas. You can use the HIDDEN settings to hide a sound-only movie.

If you do not specify HIDDEN, the movie will be visible.

## AUTOPLAY="value"

AUTOPLAY is an optional parameter. When set to TRUE, the AUTOPLAY parameter causes the movie to start playing as soon as the QuickTime Plug-In estimates that it will be able to play the entire movie without waiting for additional data. Acceptable values for this parameter are TRUE and FALSE. If you do not specify AUTOPLAY, the default is specified by the user setting in the QuickTime Plug-in Preferences.

## CONTROLLER="value"

CONTROLLER is an optional parameter. The CONTROLLER parameter sets the visibility of the movie controller. Acceptable values for this parameter are TRUE and FALSE. Now with QTVR 2.1, you can have a controller on VR Panorama or Object Movies.

If you do not specify CONTROLLER, the default is TRUE for QuickTime movies. For compatibility with existing web pages, the default is FALSE for QuickTime VR movies.

## LOOP="value"

LOOP is an optional parameter. When set, the LOOP parameter makes the movie play in a loop. Acceptable values for this parameter are TRUE, FALSE and PALINDROME. Setting LOOP to PALINDROME causes the movie to play alternately forwards and backwards. This option is not appropriate for QuickTime VR Objects and Panoramas.

If you do not specify LOOP, the default is FALSE.

## PLAYEVERYFRAME="value"

PLAYEVERYFRAME is an optional parameter. When set, the PLAYEVERYFRAME parameter causes the movie to play every frame even if it is necessary to play at a slower rate to do so. This parameter is particularly useful to play simple animations. Acceptable values for this parameter are TRUE and FALSE. This option is appropriate for QuickTime movies. Note:

`PLAYEVERYFRAME=TRUE` will turn off any audio tracks your movie may have.

If you do not specify `PLAYEVERYFRAME`, the default is `FALSE`.

`HREF="url"`

`HREF` is an optional parameter. When set, the `HREF` parameter provides a link to another page when the movie is clicked on. Note: if you are using a relative pathname for the `HREF` then it should be relative to location of the movie specified in the `SRC=parameter`.

Note that you can additionally specify a `TARGET` frame with the `HREF` parameter

`BGCOLOR="hex value"`

`BGCOLOR` is an optional parameter. You can use this option to specify the background color for any space that is not taken by the movie – for example, if you embed a 160x120 movie in a space of 200x120, this would leave 40 pixels of white space in the width. You can specify the hex value of the background color you are using to match your web page background color. For example:

`BGCOLOR="#FFFFFF"`

Would specify a black background color. The first 2 values represent red, the next 2 green and the last 2 blue, giving a total of 16.7 million colors to choose from.

`PAN="integer"`

`PAN` is an optional parameter. The `PAN` parameter allows you to specify the initial pan angle for a QuickTime VR movie. The range of values for a typical movie would be 0.0 to 360.0 degrees. This parameter has no meaning for a standard QuickTime movie.

If no value for `PAN` is specified, the value stored in the movie is used.

### TILT="integer"

TILT is an optional parameter. The TILT parameter allows you to specify the initial tilt angle for a QuickTime VR movie. The range of values for a typical movie would be -42.5 to 42.5 degrees. This parameter has no meaning for a standard QuickTime movie.

If no value for TILT is specified, the value stored in the movie is used.

### FOV="integer"

FOV is an optional parameter. The FOV parameter allows you to specify the initial field of view angle for a QuickTime VR movie. The range of values for a typical movie would be 5.0 to 85.0 degrees. If no value is specified for FOV the value stored in the movie is used.

### NODE="integer"

NODE is an optional parameter. The NODE parameter allows you to specify the initial node for a multi-node QuickTime VR movie.

If no value is specified for NODE, the default NODE and view (specified at creation time of the pano movie) is used.

### CORRECTION="value"

CORRECTION is an optional parameter. Possible values are NONE, PARTIAL, or FULL. This parameter is only appropriate for QuickTime VR objects and panoramas.

If no value is specified for CORRECTION, the default correction used is FULL.

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**What other types of multimedia applications can I use my finished QTVR movie in?**

You can add your QTVR movies to:

- [Microsoft PowerPoint](#)
- [Macromedia Director](#)
- [Ezedia OTI](#)
- [Ezedia MX](#)
- [Apimac Slideshow](#)
- [MediaWorks](#)
- [HyperStudio](#)
- [LiveStage Professional](#)

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