

■ Features

(1) This audio player has three different modes:

- Simple mode – The audio player has only a [Play/Stop] button. Also, it can have optional positioning slider.
- Image mode – The audio player has no buttons. By clicking specific image in the article, music starts playing.
- Slideshow mode – The audio player has no buttons. By clicking specific image in the article, the audio player starts playing slideshow with music. The timings of changing images are specified in the time table.

(Some details of slide-show feature)

- First of all, the area of displaying slide-show is defined, and then images are displayed in it at the specified timings.
- The attributes of the displaying area are dimensions(width/height) and background-color.
- Images are displayed in the center of the displaying area.
- Images can be changed with cross-fade.
- A image can be fadeouted.
- The URL of audio data, and behaviors at each timings are specified in the time table.
- You can make more than one timetable, and play them continuously.
- The slide-show can be played repeatedly.

(2) In case of when an audio player is playing music, and another audio player starts playing, the former audio player stops playing music.

[\(3\) You can put a 'continuous-play' button to play a series of players continuously.](#)

[\(43\) This audio player can be used with IE, Firefox, Chrome, Safari\(including iOS\).](#)

[\(54\) This audio player has accessibility features.](#)

- Text browser users can access to audio by download link.
- Screen reader users can manipulate the player by invisible buttons, such as play-button, stop-button, forward button, rewind button, etc.

(I tested these features with Microsoft Narrator, Focus talk(demo version), JAWS(demo version), ALTAIR, and NVDA.

■ Usage (for visitors)

(1) Simple mode

- In the case of when the audio player has only start/stop button:



By clicking the play button (see below), the audio player starts playing audio.

When the player starts playing, its start button changes into a stop button(see below).



By pressing stop button, the player stop playing audio. Meantime the stop button changes into the play button. When the play button is pressed again, the audio player plays audio from the beginning.

- In the case of when the audio player has a start/pause button and the positioning slider:

By clicking the play button (see below), the audio player starts playing audio.



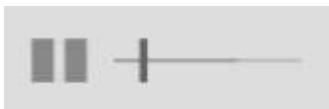
When the player starts playing, its start button changes into a pause button(see below).



By clicking pause button, the player pauses playing audio. Meantime the pause button changes into the play button., When the play button is pressed again, the audio player resumes playing audio.

You can move the slider once audio data is loaded.

Loading of audio data starts by starting playback. The thick part of vertical line shows the progress of loading data (see below).



(2) Image mode

By clicking an image in the post, the audio player starts playing audio. If you click it again, then the audio player stops playback. And when you click it again, the audio player starts playback from the start of the music.

(3) Slideshow mode

By clicking an image in the post, the audio player starts playing slideshow. If you click it again, then the audio player stops playing slideshow. And when you click it again, the audio player starts playback from the start of the slideshow.

■ Usage (for visitors with visual disability)

(a) Using the audio player with text-based browsers

- Visitors can access to audio by pressing the link to the audio data file. The link is read out “Download the audio”(default) . The link is invisible.
- When you press the link, some browsers save the audio, the other launch the media player and start playing the audio.

(b) Using the audio player with screen-readers with conventional web browsers

- The audio player creates control buttons which can be read by screen readers and are invisible. Users manipulate the audio player by pressing these buttons.
- Basic control buttons can be created in the following combinations:
 - i. [Play / Stop] button (default pronunciation: “play or stop”)
 - ii. [Play] button and [Stop] button (default pronunciation: “play”, ”stop”, respectively)
 - iii. [Play / Pause] button and [Stop] button (default pronunciation: “play or pause”, ”stop”, respectively)
- Functions of basic buttons are as follows:
 - I. When [Play] button is pressed, the player begins playing audio.
 - II. When [Stop] button is pressed, the player stops playing audio.
 - III. When [Play / Stop] button is pressed and the player is not playing, it starts playing audio from the top. If the player is not playing audio, it stops playing audio.
 - IV. When [Play / Pause] button is pressed and the player is not playing, it starts/resumes playing audio . If the player is playing audio, it pauses playing audio.
- Also, the audio player can produce buttons for moving forward and backward playing position. The amount of moving can be prepared 2 kinds at a time, so up to 4 buttons can be produced . The pronunciation and the amount of moving are changed in the admin page.

(ex)

 - ◆ A button to move forward 15 seconds (pronunciation: “forward 15 seconds”)
 - ◆ A button to move backward 15 seconds (pronunciation: “rewind 15 seconds”)
 - ◆ A button to move forward 10% (pronunciation: “forward 10%”)
 - ◆ A button to move backward 10% (pronunciation: “rewind 10%”)

■ Usage (for site creators)

(1) Install

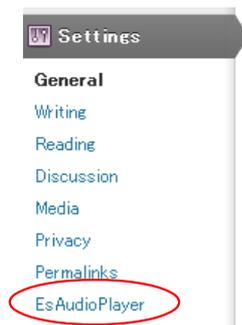
Install and enable the plugin in the Wordpress setting page.

(2) Setting

※No need to do setting except for simple mode.

• Go to the setting page.

By clicking 'Es Audio Player' link in the Settings tab of the administration page of Wordpress, you can access to the setting page of this plugin.



• Entering parameters

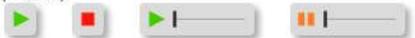
Enter each parameters and click 'Save Changes' button.

(a) Color Settings (upper half of the configuration page)

Color Settings

Base Color (Play)	<input type="text" value="#dbdbdb"/>
Symbol Color (Play)	<input type="text" value="#44cc00"/>
Base Color (Stop)	<input type="text" value="#dbdbdb"/>
Symbol Color (Stop)	<input type="text" value="#ff1505"/>
Base Color (Pause)	<input type="text" value="#dbdbdb"/>
Symbol Color (Pause)	<input type="text" value="#ff7d24"/>
Slider Color (line)	<input type="text" value="#999999"/>
Slider Color (knob)	<input type="text" value="#292929"/>
Shadow Size	<input type="text" value="0.25"/>
Shadow Color	<input type="text" value="#a9a9a9"/>
Corner radius (% of shorter side)	<input type="text" value="18"/>
Smartphone size (% of normal size)	<input type="text" value="200"/>

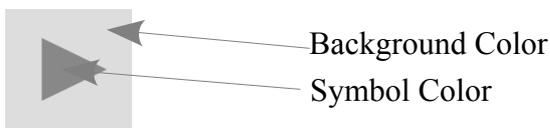
(Preview)

A preview of the audio player controls. It shows three buttons: a play button (green triangle), a stop button (red square), and a slider control (orange bar with a black knob).

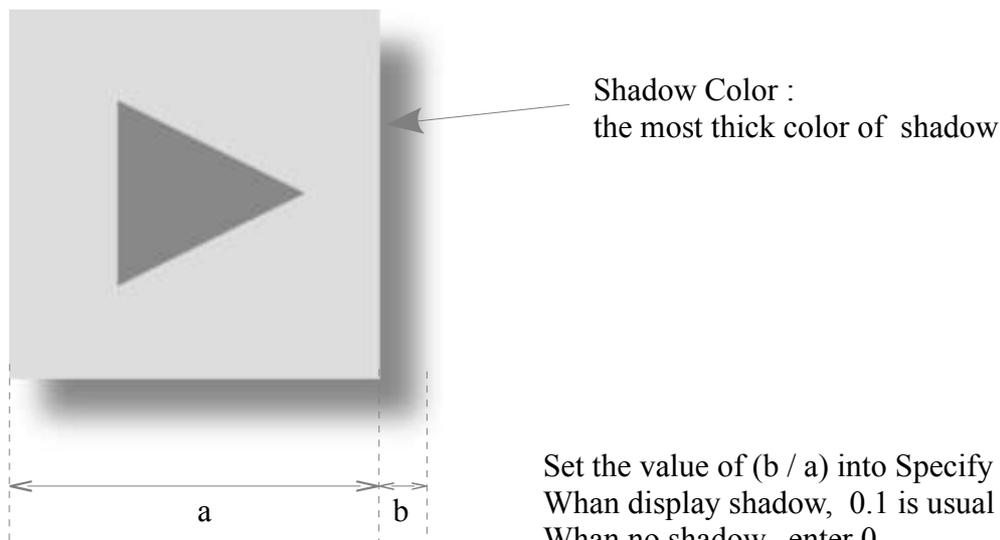
Descriptions of each setting items

Setting items	Descriptions
Base Color(Play)	Specify background color of play button by 6-digits hexadecimal like CSS. (ex. #ff56ab)
Symbol Color(Play)	Specify symbol color of play button (same as above)
Base Color(Stop)	Specify background color of stop button (same as above).
Symbol Color(Stop)	Specify symbol color of stop button (same as above).
Base Color(Pause)	Specify background color of pause button (same as above).
Symbol Color(Pause)	Specify symbol color of pause button (same as above).
Slider Color (line)	Specify color of vertical line of positioning slider (same as above).
Slider Color (knob)	Specify color of knob of positioning slider (same as above).
Shadow Size	Specify how wide you want show shadow out of the main part of the audio player. When you want to show it 10% width of the box, specify 0.1. If you don't want to show shadow, specify 0.
Shadow Color	Specify most thick color of shadow by 6-digits hexadecimal like CSS.
Corner radius	Specify the corner radius of a rounded rectangle in % of the shorter side.
Smartphone size	Specify the size adjustment of smartphones in % of normal size.

※1 Background color and Symbol color



※2 Shadow color and shadow size



Set the value of (b / a) into Specify Shadow.
 When display shadow, 0.1 is usual value.
 When no shadow, enter 0.

(b) Accessibility Settings (lower half of the configuration page)

Accessibility Settings

For Text-based Browsers

Status Enabled
 Disabled

Download link speech

For Screen Readers

Status Enabled
 Disabled

Basic buttons [Play/Stop]
 [Play] + [Stop]
 [Play/Pause] + [Stop]

Play button speech

Stop button speech

Play/Stop button speech

Play/Pause button speech

Forward Button Enable
Amount sec. %
Speech

Rewind Button Enable
Amount sec. %
Speech

Fast Forward Button Enable
Amount sec. %
Speech

Fast Rewind Button Enable
Amount sec. %
Speech

Descriptions of each setting items

•For Text-based Browsers

Setting items	Descriptions
Status	When Enable is selected, the player creates link to audio for downloading. When Disable is selected, it don't.
Download link speech	Specify the pronunciation of download link.

•For Screen Readers

Setting items	Descriptions
Status	When 'Enable' is selected, the player creates control buttons which can be read by screen reader. When Disable is selected, it don't.
Basic Buttons	Specify the combination of control buttons by selected radio button. <ul style="list-style-type: none"> • When [Play/Stop] is selected, only [play and stop] button is created. • When [Play]+[Stop] is selected, [play]button and [stop] button are created. • When [Play/Pause]+[Stop] is selected, [Play/Pause] button and [Stop] button are created.
Play button speech	Specify the pronunciation of play button. '%title%' is replaced with the title parameter in the shortcode.
Stop button speech	Specify the pronunciation of stop button. '%title%' is replaced with the title parameter in the shortcode.
Play/Stop button speech	Specify the pronunciation of play/stop button. '%title%' is replaced with the title parameter in the shortcode.
Play/Pause button speech	Specify the pronunciation of play/pause button. '%title%' is replaced with the title parameter in the shortcode.
Forward Button	Settings of moving-forward button. <ul style="list-style-type: none"> • When 'Enable' is checked, the button is created. • Specify the amount of moving in the 'Amount' textbox and select the unit from “sec”(seconds) and “%”. • Specify the pronunciation of the button in the 'Speech' textbox. '%title%' is replaced with the title parameter in the shortcode.
Rewind Button	Settings of moving-backward button. The setting method is same as above.
Fast Forward Button	Settings of fast moving-forward button. The setting method is same as above.
Fast Rewind Button	Settings of fast moving-backward button. The setting method is same as above.

(3)How to define audio players in the post (shortcodes).

●Simple mode

```
[esplayer url="URL to the sound file" width="width" height="height"
shadow_size="size of shadow" shadow_color="shadow color" duration="duration"
vp="vertical adjustment" loop="repeat flag" autoplay="autoplay flag" title="title"
seriesplaybutton="continuous playing button flag" sid="grouping ID for continuous
playing"]
```

Description of each parameters

Parameters	Description	Default
<i>URL to the sound file</i>	Specify the URL of the sound file. The url must begin with http:// and have an absolute path.	Cannot be omitted.
<i>width</i>	Specify the width of the audio player in pixels (without 'px'). When width is greater than 2x of height, the positioning slider is displayed.	<ul style="list-style-type: none"> • If you omit one of width or height, both width and height becomes the same. • If you do not determine both width and height, the displaying size becomes 27×27 pixels.
<i>height</i>	Specify the height of the audio player in pixels (without 'px').	
<i>size of shadow</i>	Specify how wide you want show shadow out of the main part of the audio player. When you want to show it 10% width of the box, specify 0.1. If you don't want to show shadow, specify 0.	The value specified in the setting page is applied.
<i>shadow color</i>	Specify color of the most thick color of shadow, with '#'+6-hexadecimal like CSS.	The value entered in the setting page is applied.
<i>duration</i>	Specift playing time. Its format is MM:SS.ss (MM:minutes、SS:seconds、ss:seconds(below 1sec). (ex)“3:12.23” : 3minutes+12.23seconds. (for more detail, see below ※ 1).	If this parameter is omitted, tentative playing time calculated by system is applied while loading audio data.
<i>vertical adjustment</i>	Specify the amount of vertical adjustment in pixels. Note that the sign of the parameter is opposite to that of CSS top.	0
<i>Repeat flag</i>	true(do repeat) or false(don't repeat)	FALSE
<i>Autoplay flag</i>	“true”/“false”	“false”
<i>title</i>	In the accessibility features, %title% in the button names are replaced with this parameter.	(empty string)

<u><i>continuous playing button flag</i></u>	<u>See below ※2</u>	<u>“false”</u>
<u><i>grouping ID for continuous playing</i></u>	<u>See below ※2</u>	<u>(empty string)</u>

※1 Because MP3 data don't have playing time, it cannot be determined until loading MP3 finishes. So while loading MP3, only tentative playing time is available. Because of this, under some OSes (such as iOS), the tentative playing time is very unstable. As a result, The knob of the positioning slider jigs. To avoid this phenomenon, you can specify playing time in the definition of the audio player to stabilize the motion of the slider knob while loading MP3. If you do not mind this phenomenon(unstable motion of slider knob), or in the case slider is not displayed, you need not to specify duration.

※2 Continuous playing

You can play multiple players continuously from the top by pressing continuous-playing button. This can be achieved by grouping multiple players by an ID and putting a continuous-playing button in an article.

Write shortcodes like the following:

1. Grouping players

Set identical IDs to multiple players.

[esplayer url="http://.../audio_1.mp3" sid="grouping ID for continuous playing"]

[esplayer url="http://.../audio_2.mp3" sid="grouping ID for continuous playing"]

_____:

[esplayer url="http://.../audio_n.mp3" sid="grouping ID for continuous playing"]

2. Put an continuous-playing button

[esplayer seriesplaybutton="true" sid="grouping ID for continuous playing"]

You can put a continuous-playing button anywhere.

When an grouping ID is omitted in the shortcode of continuous-playing button, all players in the screen are targeted for continuous playing. Please note that when multiple articles are displayed in a screen, all players in all article in a screen are played continuously.

For an example of coding and its output, see 'Example 3 (simple mode, continuous button)' at the bottom of this manual.

●Image mode

```
[esplayer url="URL to the sound file" img_id="ID of the image file"]
```

Descriptions of each parameters

Parameters	Descriptions	Default
<i>URL to the sound file</i>	Specify the URL of the sound file. The URL must begin with 'http:/' and must be an absolute path.	Cannot be omitted.
<i>URL to the image file</i>	Specify the ID of the image file. The image you specify must be used in the post.	Cannot be omitted.

●Slideshow Mode

The definition of slideshow consists of the definition of audio player and timetable(s).

•Definition of the audio player

```
[esplayer timetable_id="List of timetable ID" width="Width of display area"
height="Height of display area" background-color="Background color of display area"
loop="repeat flag" ]
```

Parameters	Descriptions	Default
<i>List of timetable ID</i>	Specify timetable ID. If you want to play multiple timetables in sequence, write ID list as a comma-separated list.	Cannot be omitted.
<i>Width of display area</i>	Specify the width of the display area in pixels (without 'px').	Cannot be omitted.
<i>Height of display area</i>	Specify the height of the display area in pixels (without 'px').	Cannot be omitted.
<i>Background color of display area</i>	Specify background color of the display area in '#'+6-hexadecimal like CSS.	"#ffffff".
<i>Repeat flag</i>	true(do repeat) or false(don't repeat)	FALSE

• Definition of the time table

```
[esplayer_timetable]
id="ID of this time table"
url="URL of the sound file"
default_img="the URL of the image to display before starting slideshow"
default_duration="default duration of switching images(milliseconds)" ← Default: 500ms
time="time 1"
    (The behavior at time 1)
time="time 2"
    (The behavior at time 2)
time="time 3"
    (The behavior at time 3)
    ~~~~~
time="time n"
    (The behavior at the time n)
time="total playing time" ← These lines can be omitted (If these lines are omitted, the
end ← slideshow ends when finishes playing music. )
[/esplayer_timetable]
```

※ Multiple time tables can be defined for one slideshow.

※ Time is represented by the format "mm:ss.ff". (mm:minutes、ss:seconds、ff:1/100seconds)。

※ You can specify each behaviors at each timings like following:

☐ To show an image:

```
img="the URL of the image to display"
width="the width of the image"
height="the height of the image"
duration="How long does it take to change images(milliseconds)"
```

If these lines are omitted, the size of the image is resized so that whole of this can be contained in the display area.

Omissible. If this is omitted, the default value is applied.

☐ To fadeout:

```
img=""
```

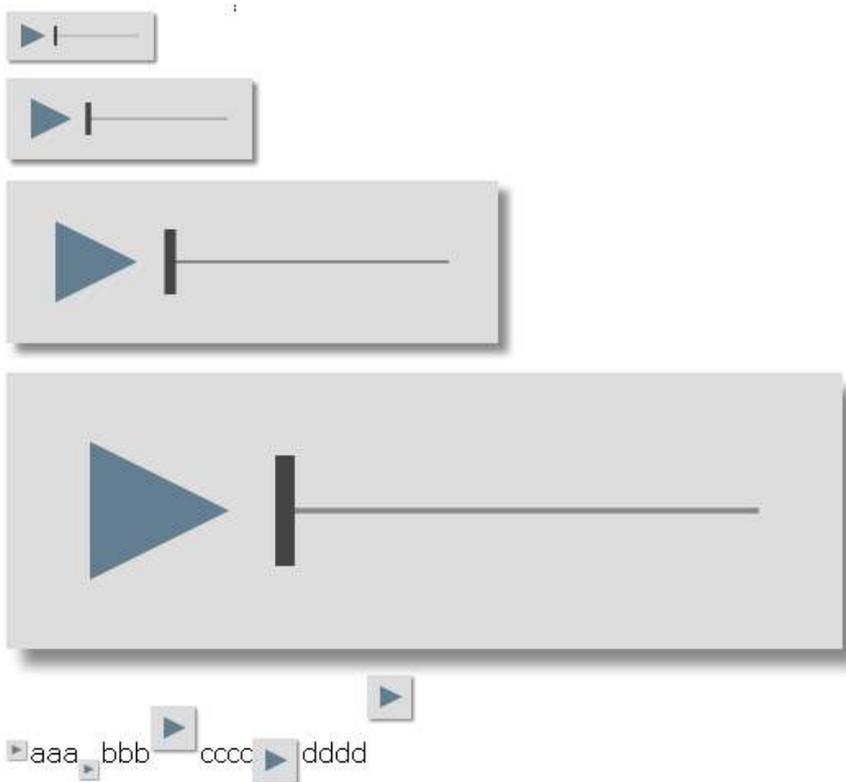
■ Examples

【Example 1 (Simple mode)】



```
[esplayer url="http://???.mp3" width="90" height="20"
shadow_size="0.0"]
[esplayer url="http://???.mp3" width="500" height="30"
shadow_size="0.0"]
[esplayer url="http://???.mp3" width="30" height="30"
shadow_size="0.0" vp="0px"]a[esplayer url="http://???.mp3"
width="30" height="30" shadow_size="0.0" vp="1px"]a[esplayer
url="http://???.mp3" width="30" height="30" shadow_size="0.0"
vp="2px"]a[esplayer url="http://???.mp3" width="30" height="30"
shadow_size="0.0" vp="3px"]a[esplayer url="http://???.mp3"
width="30" height="30" shadow_size="0.0" vp="4px"]a[esplayer
url="http://???.mp3" width="30" height="30" shadow_size="0.0"
vp="5px"]a[esplayer url="http://???.mp3" width="30" height="30"
shadow_size="0.0" vp="6px"]a[esplayer url="http://???.mp3"
width="30" height="30" shadow_size="0.0" vp="7px"]a[esplayer
url="http://???.mp3" width="30" height="30" shadow_size="0.0"
vp="8px"]a[esplayer url="http://???.mp3" width="30" height="30"
shadow_size="0.0" vp="9px"]
```

【Example 2 (Simple mode)】



```
<div>
[esplayer url="http://???.mp3" shadow_size="0.1" width="90"
height="30"]
[esplayer url="http://???.mp3" width="150" height="50"
shadow_size="0.1" duration="11:00"]
[esplayer url="http://???.mp3" width="300" height="100"
shadow_size="0.1"]
[esplayer url="http://???.mp3" width="510" height="170"
shadow_size="0.1"]

[esplayer url="http://???.mp3" width="12px" shadow_size="0.1" vp="0" ]
aaa[esplayer url="http://???.mp3" width="12px" shadow_size="0.1" vp="-
12" ]bbb[esplayer url="http://???.mp3" shadow_size="0.1"
vp="5"]cccc[esplayer url="http://???.mp3" shadow_size="0.1" vp="-
15"]dddd[esplayer url="http://???.mp3" shadow_size="0.1" vp="24px"]
</div>
```

[Example 3 (Simple mode, continuous playing button)]



```
[esplayer url='http://example.com/hu7/wp-content/uploads/bass.mp3'  
sid="a1" width="150" height="25" vp="-5"]bass<br>  
[esplayer url='http://example.com/hu7/wp-content/uploads/CHINA_1.mp3'  
sid="a1" width="150" height="25" vp="-5"]CHINA_1<br>  
[esplayer url='http://example.com/hu7/wp-content/uploads/CRASH_1.mp3'  
sid="a1" width="150" height="25" vp="-5"]CRASH_1<br>  
[esplayer url='http://example.com/hu7/wp-content/uploads/CRASH_5.mp3'  
sid="a1" width="150" height="25" vp="-5"]CRASH_5<br>  
[esplayer url='http://example.com/hu7/wp-content/uploads/rain.mp3'  
sid="a1" width="150" height="25" vp="-5"]rain<br>  
  
[esplayer seriesplaybutton="true" sid="a1" vp=-5]Continuous Play
```

【Example 43 (Image mode)】

Click this image to play music.



Click this image to play music.

```
<a href="http://???.jpg"></a>
```

```
[esplayer img_id="aaa" url="http://???.mp3"]
```

【Example 54 (Slideshow mode)】

Click the image below to start slideshow.



Click the image below to start slideshow.

```
<div align="center">[esplayer timetable_id="id1,id2"
width="800px" height="600px" bgcolor="#fff" loop="true" ]
[esplayer_timetable]
id="id1"
url="http://???.mp3"
default_img="http://???.jpg"
time="00:05.82"
img="http://???.jpg"
time="00:06.94"
img="http://???.jpg"
time="00:14.33"
img="http://???.jpg"
duration="3000"
time="00:20.00"
img="http://???.jpg"
time="00:23.82"
img="http://???.jpg"
time="00:25.94"
img="http://???.jpg"
time="00:27.33"
img="http://???.jpg"
duration="5000"
time="00:36.33"
end
[/esplayer_timetable]

[esplayer_timetable]
id="id2"
url="http://???.mp3"
default_img="http://???.jpg"
default_duration="1000"
time="00:05.82"
img=""
duration="2000"
time="00:10.82"
img="http://???.jpg"
time="00:20.65"
img="http://???.jpg"
time="00:30.33"
img="http://???.jpg"
[/esplayer_timetable]

</div>
```