

# MP3 Audio Jukebox

## Reasons behind Development

### Issues

Xara relies on an MP3 widget that is redundant on all modern browser handling HTML5 have one that is inbuilt.

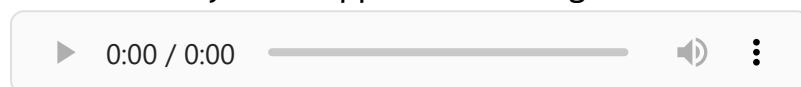
- The Placeholder used inserts JavaScript, CSS code and graphics that are all now handled by the browser:
  - jQuery Library, 89.9kB
  - JS media element and player, 81.4kB
  - CSS media element and player, 20.4kB
  - Various in-line SVG & controls sprite.
- The presentation of the Player is unique to Xara and does not reflect current styling.
  - Changing background colours is awkward, even with CSS.
  - The layout is a fixed 400x 30px and the design Placeholder Preview is completely different.
- It includes an '*autoplay*' parameter option that is blocked in all current browsers unless '*muted*' is also included. Sound can only be invoked by a direct user action.
- It does not handle many audio files on a page easily and can result in several playing at once.

### Alternative

Simply removing the '*class="xar\_meplayer"*' statement will avoid the need for the above; it is still part of your upload and can be avoided, as follows...

## 1-line Placeholder code for alternative HTML5 Audio Player

The Audio Player will appear something like this:



- It depends on your choice of browser
- You could add in your source MP3 file by hand but you will still face the problem of multiple playbacks at once.

The same, working with a music track: [Adagio.mp3](#)

Copy the following HTML code into the Placeholder Body of a 400x60px Box:

```
<audio id='audioplay' src autoplay controls controlsList='nodownload' style='width: 400px;' />
```

- 'src' is empty and it created externally with a simply JavaScript call
- 'autoplay' works in this Player as the MP3 is user-selected and does not occur on load of this page
- 'controlsList' can include any combination of nodownload, nofullscreen, and noremoteplayback
- 'style' allows Player manipulation through CSS styling
- Including an 'id' allows for external control actions through JavaScript.

## 1-line Jukebox Construction:

The following code is for deployment into a Xara design where the MP3 is part of the external assets of the design and so is located in the *index\_html\_files/* folder.

```
<script>
function aplayer(song) {
    document.getElementById('audiplay').setAttribute('src', 'index_html_files/' +
song);
}
</script>
```

- Assumes the MP3s will be added to the 'index\_html\_files/' folder (See [Adding your Songs](#))
- As no song is selected on page load, it is appropriate to include this JavaScript in the same Box's Placeholder Body (see [Body Code](#))

## 1-line External JavaScript Calls:

### Restart: an element with Link:

```
javascript: aplayer('filename.mp3');
```

- will change the source ('src') to the loaded MP3
- This is the only Link specific to a given song

### Pause: an element with Link:

```
javascript: audiplay.pause();
```

- will pause the current song

### Resume: an element with Link:

```
javascript: audiplay.play();
```

- will resume the paused song

### Stop: an element with Link

```
javascript: aplayer('');
```

- will effectively Stop the Player with no loaded song
- The '*audio*' Tag has no Stop method

## Adding your Songs

### Create a Box

- In Web properties > Placeholder > Replace with graphic file: MP3 file
- Press Open & Apply
- Copy the saved filename
- Paste the filename just save into a new Restart Link
- Change the [Restart](#) Title
- Repeat the above using the same Box
- Delete the Box
- You can also drop [multiple MP3s](#) after the first one into the newly created external assets folder adjacent to where your design file is stored

## Bulk Song Upload

Your external assets folder matches your design file name (e.g., **JS - Audio Player.xar**) and if you add an MP3 [Adding your Songs](#), it creates an external assets folder (e.g., **JS - Audio Player\_xar\_files**) containing the MP3

Drop all your other MP3s into this external assets folder

## Xara Design

Click [Edit Design File](#) to open an example design directly in your Xara application.

## Summary

- ☐ Create a [Box](#)
- ☐ Add [audio code](#) and [1-line Jukebox Construction](#) into Box Body
- ☐ Create [Pause](#), [Resume](#), & [Stop](#) text, icons or shapes, with JavaScript Links
- ☐ Fetch [MP3](#)
- ☐ Change [Restart](#) link to match