



**SECURE-TSPPLAYER**  
SECURE FLASH MP3 PLAYER

# mp3 *music* player



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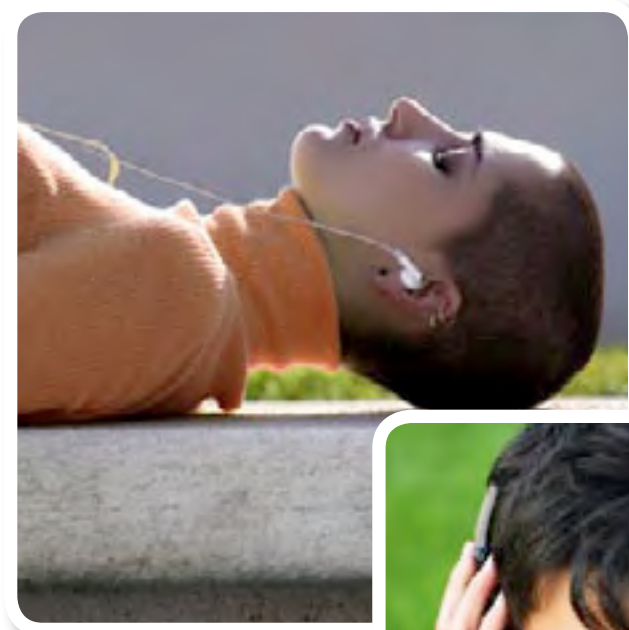
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The SECURE-TSPlayer V4.5 is software developed for playing MP3 audio files. It can be used on any Webpage where audio playback is required. The RE-TSPlayer V4.5 is an audio player developed in Flash for Flash player version 7 or higher.

The following features of the SECURE-TSPlayer V4.5 make it an essential tool in Webpage or Web application development.

- You can acquire different skins with 100% professional designs on: <http://www.tsplayer.com>.
- It allows playback of audio files in safe mode, and avoids the creation of temporary copies in the listeners' computers.
- It allows the reproduction of MP3 audio files external to the Web domain in which the SECURE-TSPlayer V4.5. is being executed.
- It supports several standard XML file formats with the list of songs to reproduce. Among the supported standards are RSS (the standard on which PODCAST is based) and XSPF.
- It has a set of configurable functionalities with which the SECURE-TSPlayer V4.5. player will start.

## NOTICE :

You should avoid any sample rate that isn't a multiple of **11,025Hz**. Many hardware and software MP3 players, including those using Adobe/Macromedia Flash, won't play anything that isn't a multiple of 11,025Hz. The recommended ratios are 11, 22 or 44 KHz. Any other ratio can cause speed conflicts when using Flash Music Players.

The bitrate you use when exporting your .swf files depends on your needs. Common bitrates and their quality levels are:

- \* 16 kbit/s - Minimum (ideal for voice).
- \* 32 kbit/s - Intermediate.
- \* **64-96 kbit/s** - Recommended.
- \* 128 to 256 kbit/s - Best (CD quality).



## NEWLY ADDED FEATURES IN THE **SECURE-TSPLAYER V4.5**

In the new version of the SECURE-TSPlayer, you can easily modify both the configuration options of the player and the elements of the playlist. Modifications can be made without having to eliminate the player and insert elements again. With just a few clicks you can modify the player as much as you want, as long as you own Adobe Dreamweaver (Version MX or later), which is a requirement for this player.

### SPECIFIC FEATURES

Features that distinguish the SECURE-TSPlayer V4.5 audio player are:

- playback of audio files in MP3 format.
- interpretation of the ID3 tags from the MP3 files it reproduces.
- multiple skins that enable it to adapt perfectly to the design of any Website.

Its wide set of functionalities include:

- choice of the music to be heard from a list of audio files.
- variable playback volume.
- ability to play, pause or stop audio files
- ability to skip to the next song, or the last one from the list of audio files.
- ability to adjust the balance of your computer's speakers.
- random selection of the songs to be played in the audio list.
- looping reproduction of the audio files.
- display of images associated with the audio files being reproduced.
- display of information associated with the audio file being reproduced (can be from a Web page with information related to the author or performer of the song).
- safe playback without leaving temporary copies of the MP3 file or the playlist in the computer from which the audio player is being run.
- support for the XML file standard such as RSS (widely used for podcast distribution) and XSPF.



## REQUIREMENTS

FlashPlayer: Version 7 or later.

In order to use the SECURE-TSPlayer V4.5 in safe mode it is essential for the webserver where the website is hosted, to support PHP scripts.

To make use of SECURE-TSPlayer V4.5 as an extension, Adobe Dreamweaver MX or later is required.

For a better reading speed of the MP3 files, it is recommended that the files be codified with a 64/96/128 kbps fixed bitrate and a 22.05 Hz. frequency.

## DISTRIBUTION

The **SECURE-TSPlayer V4.5** is distributed in two different ways: It is distribute as an extension (mxp) for Adobe Dreamweaver MX or later, or as a Flash movie in a compressed file that contains the following:

- Readme.txt
- “skin” directory taht contains the skin distributed by default with the player
- a TSPlayerv4.5.swf audio player
- an XML configuration file
- an XML file playlist.xml with XSPF format
- a Php script file, getPlayData.php, which is required for safe reproduction of the audio files. It also enables the reproduction of songs outside the domain of the Web page that contains the player



1. The status indicators tell if the player is playing, paused, or stopped.
2. The time indicator shows the elapsed time since file playback started.
3. The balance control allows you to determine which speakers (left or right) reproduces the audio with more intensity
4. The equalizer shows approximately how the audio volume behaves during playback of the file.
5. The audio file data/action name shows the data from the audio file that is being reproduced (title of the audio file, duration, and author, if this information is present in the ID3 tags of the file) or the name of the action you are about to execute (When the mouse is dragged above any of the buttons of the SECURE-TSPlayer V4.5 audio player, it indicates the action that would take place if that button is clicked, is shown)
6. This button accesses information related to the audio file currently being played. This information must be located on a Web page or external file. (If no information is related to the audio file, this button will not be displayed or will be inaccessible.)



7. This button accesses an image related to the file being reproduced. This image appears in a special window of the player itself. If the audio being reproduced doesn't have an associated image, this button will be inaccessible or invisible. As soon as the audio file ends, if the new audio file in the list also has an image, it will replace the last one in the same window. If the new audio file doesn't have an image, the window will simply disappear.

8. The toggle repeat button indicates what the audio player will do when all the files in the list have been played. If the button is active, the player will automatically start reproducing the whole list in a cyclic manner. If the button is inactive, the audio player will stop after all the audio files from the list have been reproduced.

9. The shuffling button allows you to select the order in which the audio files are to be played. If the button is active the files will be reproduced in a random pattern. If the button is inactive, the files will be played in a progressive sequential pattern.

10. The progress bar shows the temporary position of the file's playback progress as it plays. The progress bar enables you to move quickly to a new position (both forward and backward) in the file's playback, just by clicking on the desired position. If the file is playing in safe mode or streaming, whenever you try to move forward or backward on the bar, the change will not occur instantaneously because the player doesn't have that information available.

The progress button moves along the progress bar as the file plays, indicating the temporary position within the audio file currently playing. You can drag this button forward or backward along the progress bar whenever you want to move to another temporary position in the audio file.

11. The previous track button allows you to go to the audio file that played prior to the one that is currently playing.

12. The play button starts reproducing the audio file that is currently selected in the list.

13. The pause button stops the playback at the temporary position where the progress button was when "pause" was clicked. If it is clicked again, reproduction resumes from the same point.

14. The stop button completely stops the reproduction of an audio file, taking the progress button back to the beginning of the progress bar.



15. The next track button allows you to jump to the next file in the list.
16. The mute button sets the volume to zero.
17. The audio bar allows regulation of the volume.
18. In this list of files to play, you select which audio file you want to play and it will be displayed in a different color from the file that is currently being reproduced.

## INSTALLATION

### AS AN EXTENSION

If you have Adobe Extension Manager (previously called “Macromedia extension manager”) already installed, double-clicking the mxp file downloaded from our Website will install the extension to be used into Adobe Dreamweaver (MX or later), allowing you to insert it in your Website in a very simple way. The extension will be installed in Dreamweaver’s commands menu under the option name **SECURE-TSPlayer V4.5**

### AS A STAND-ALONE AUDIO PLAYER

You should download the compressed player file from the Website <http://www.tsplayer.com>, unzip the file with the audio player and upload the directory SECURE-TSPlayer with all the files and folders it contains to the Web server where your web site is hosted.

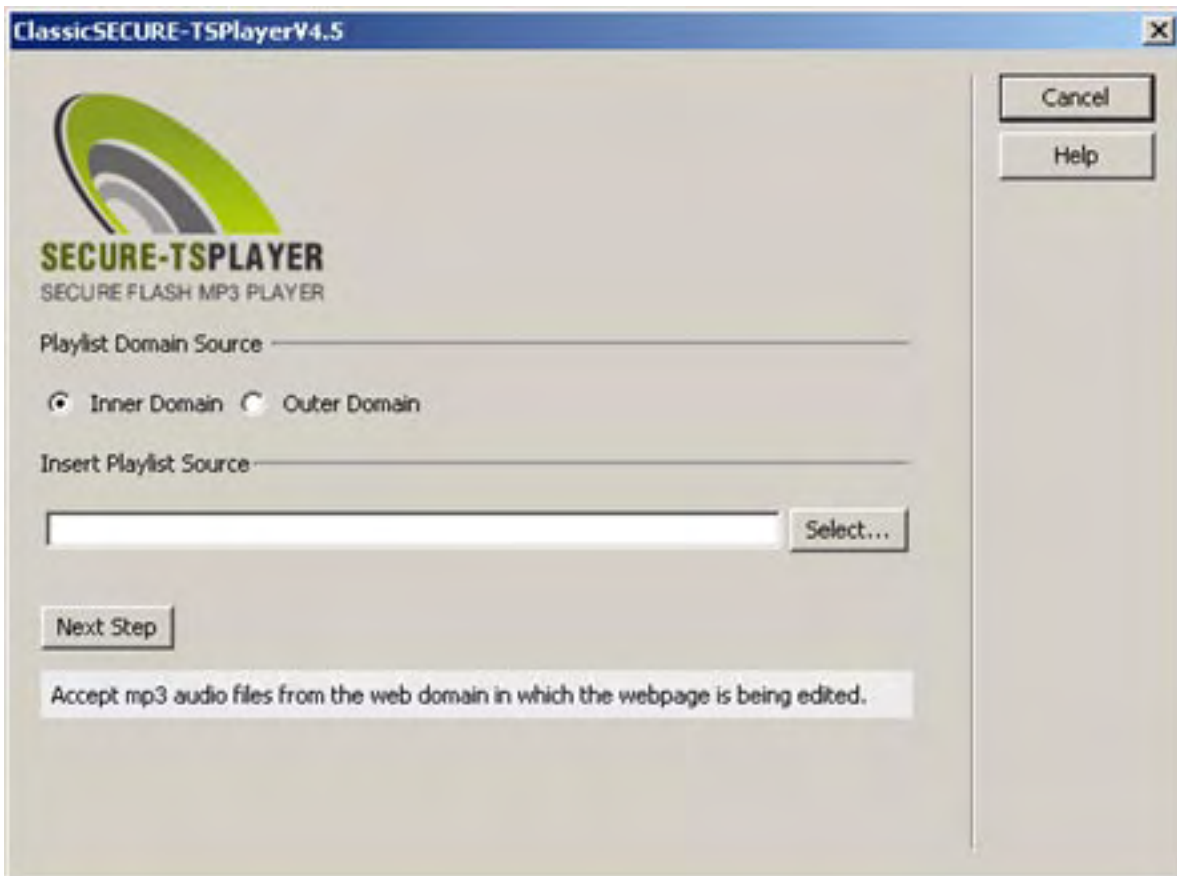
For instructions regarding the audio player’s performance, see “Use as an extension”.



## USE AS AN EXTENSION

To use it as an extension, you must configure, in Adobe Dreamweaver, the Website in which you are currently working and save the Web page into which the player will be inserted. Both conditions are necessary for you to determine the relative URL address between the Web page that will contain the audio player, with the skin that will be displayed in the player, and the relative URL address of the Web page and the audio files for playback (when the audio files are located in the same domain as the Web page that will host the SECURE-TSPlayer V4.5 audio player).

To insert the SECURE-TSPlayer V4.5 into your Website, click on the SECURE-TSPlayer V4.5 option in the commands menu on Adobe Dreamweaver. A window will open for insertion and setup of the audio player. The insertion and setup of the audio player is carried out in three steps that are separated by three different screens, each showing helpful hints for different options.





In the **First Step screen**, you select the source for the audio files. The files can belong to the same domain as the Web page where the audio player will be inserted or they can belong to an external domain. If the source selected is the Web page's own domain, a text box with a button for the choice of folder containing the MP3 is activated or displayed. The folder containing the files to be played must be located within the Web page that will be using the audio player. The audio directory must be published in the Web page's own domain, in the Web server where the site is or will be hosted.

If the selected domain is different from the Web page's own domain, a text field will be activated or displayed, for you to type the absolute URL address of the XML file that contains the list of files to be reproduced. (Please remember that this XML file should comply with any of the supported standards for audio playback, RSS or XSPF), including the protocol. For this player the required protocol is HTTP. (An example of an absolute URL is <http://www.domainname.com/playlist.xml>).

When you have entered the source for the files, push the "next step" button, which will take you to the next screen, or step, in the process of inserting and setting up the audio player. The next screen or step in the configuration is related to the files that are going to be reproduced.

If the Web page using the player and the source of the audio files is under the same domain, then the second step in the configuration will allow you to eliminate or add new audio files into the playlist. It will also allow you to modify data associated with each of the audio files for the SECURE-TSPlayer V4.5.

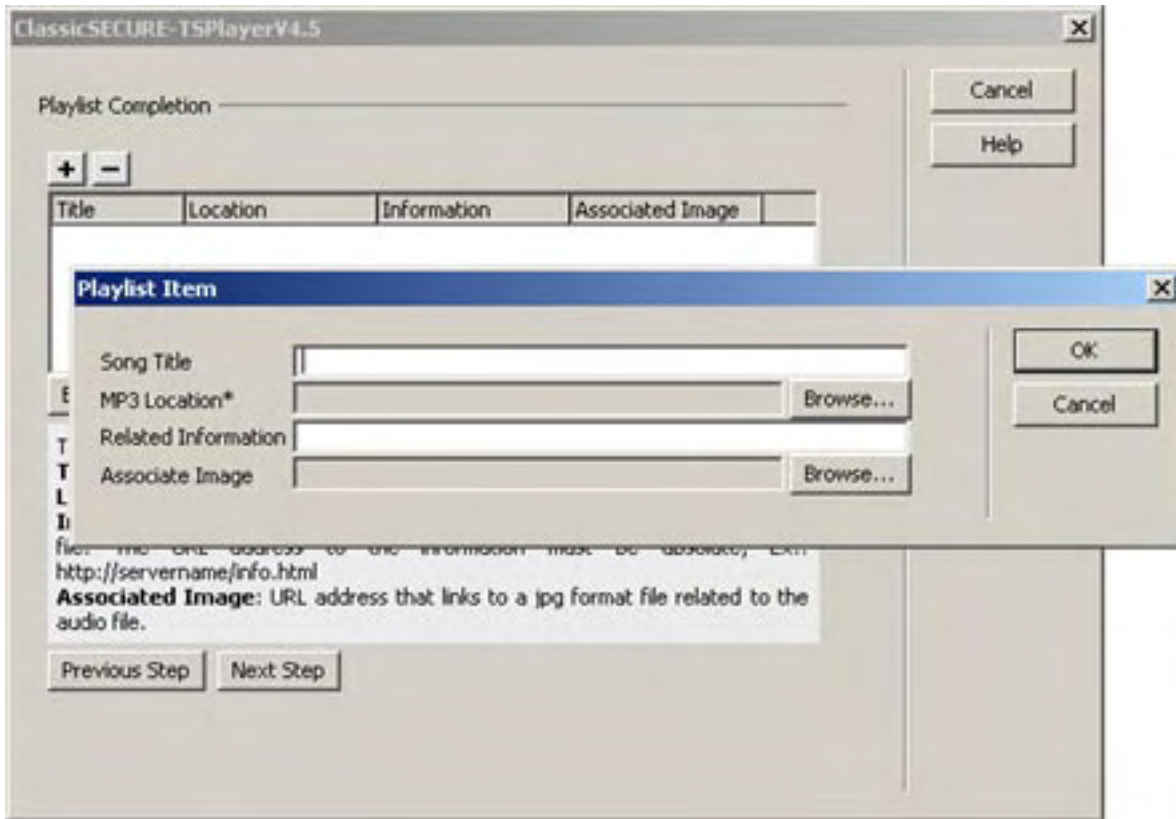
In the **Second Step**, we provide a set of options related directly to the list of audio files to reproduce in the SECURE-TSPlayer V4.5, if you select a directory within the same domain as a source for the audio files.

In the middle zone of the screen, you will see a list of attributes belonging to the MP3 audio files located in the selected directory. These attributes are:

**Title:** Title with which the audio file will be listed in the SECURE-TSPlayer V4.5 playlist

**Location:** Location of the MP3 audio files to be played. This location will be converted automatically into a Web address relative to the player. (Location is the only mandatory attribute.)

**Information:** If it is required, this attribute must be represented by an absolute URL address with information associated with the audio file to which it belongs



(An example of the use of this attribute is placing the URL address of a site containing information related to the author or performer of the song. This URL must be absolute and it must contain the mandatory protocol. For the SECURE-TSPlayer V4.5 audio player, the admitted protocol is HTTP.)

**Associated image:** The image associated with an audio file. This image should be found within the same domain as the Web page (where the audio player is inserted), and it must be published to the Web server that will be or already is hosting the Website.

In the second screen, or second step, it is also possible to add a new file to the file to the list, by using the button with the [+] symbol.

To eliminate any of the listed files, you must select the target file from the list, and then click the button with the symbol [-].

To edit attributes associated with any of the audio files, you must select the row containing the file whose attributes you want to change; then you should click the button with the “edit item” tag. A new window will appear containing the associated data to be modified.

When you have completed the file selection for reproduction, you should push the



button with the “next step” tag. This should take you to the third and last screen for insertion and configuration of the SECURE-TSPlayer V4.5 audio player. Before you can move on to the third step, at least one audio file in the playlist.

In the **third screen, or Third Step**, and final part of the configuration and insertion of the SECURE-TSPlayer V4.5 audio player, a set of specific options is provided:

**Select skin:** This option allow you to select the skin that will be displayed with the audio player. The skin is a swf file located in the folder titled Skin, which is located at the same time in the SECURE-TSPlayer V4.5 directory of the Website’s root folder

**Secure player:** This option increases the level of security in the playback of audio files by avoiding the creation of temporary copies of both the MP3 audio file and the XML file with the playlist in the computer of your website’s users. For this option it is essential for the Webserver, where the Website is hosted, to support Php script file language.

**Password:** The password is employed to play the audio files.

**Play in Streaming:** This option can be accessed only when the files to be played are under the same domain and the safety option of the audio player is disabled. This option enables the file to be played as it downloads. If this option is determined as invalid, the audio will start running only after the file has downloaded completely.

**Initial volume value:** The volumr value can range from 0 to 100, and it determines the volume to which the audio player will play the files after they start running. You can change these parameters to set a volume of your own choice.

**Show playlist:** This option allows for the playlist to be shown or hidden, when the audio player is running within the Website.

**Autoplay:** This setup option allows the player to start reproducing any of the audio files in the playlist from the moment the Website displays it.

**Active repeat playlist button:** This option allows default activation of the repeat reproduction button, so that the playback starts over after all the files of the playlist have played.

**Active shuffling selection button:** This option allows the random choice of new audio files as each one ends.



To complete the SECURE-TSPlayer V4.5 insertion and setup process, you should push the “finish” button, which inserts the tags corresponding to an swf file within the Website where the audio player is meant to be inserted, passing over the required parameters to the swf file for proper functioning. It will also create the necessary file and directory structure. This file and directory structure must be published in the web server where the Website is or will be hosted.

## EXTENSION - GENERATED FILE STRUCTURE

In the folder structure created by the extension, is a folder called the SECURE-TSPlayer, located at the root of the Website. Inside this folder is another folder, called Skin, with the swf file containing the skin of the audio player, the swf file SECURE-TSPlayerV3.5.swf that constitutes the audio player’s core and a folder for each time the player is inserted into the Website, this folder contains:

The configuration.xml setup file that can be modified if you wish to change the parameters to which you initially set the audio player. It also contains the



getPlayData.php file with the script to execute if safe reproduction has been activated or if a source external to the Website's domain for the playlist files has been entered. And it contains the file with the list of elements to be played with the associated attributes when the source of audio files is located within the domain of the Website.

The parameters transformed into the audio player's swf are the address of the setup file and the address of playlist file. The playlist can be an XML (with RSS or XSPF format) or the location of the php extension file that allow safe playback of the audio files.

## MODIFYING THE SECURE-TSPLAYER V4.5 AFTER IT IS INSERTED INTO A WEB PAGE

If you want to modify the audio player, the playlist, the skin or any of the setup options, you simply do the following:

1. Use Adobe Dreamweaver (MX or later) to open the Web page where the audio player is inserted.
2. Select the audio player that you want to modify within the Web page.
3. Select the SECURE-TSPlayer option from Adobe Dreamweaver's commands menu.

With these three steps the same setup window shown when you inserted a new player appears again; however, all fields appear filled with specified values that you determined at the moment of insertion into the Web page.

Therefore, you do not have to re-enter all values; you simply have but to modify only those that need to be changed, both in the playlist and in the setup as you see fit.



## USAGE OF SECURE-TSPLAYER V4.5 DIRECTLY AS A SWF AND NOT AS AN ADOBE DREAMWEAVER EXTENSION

You should download the compressed SECURE-TSPlayer V4.5 file from the Website <http://www.tsplayer.com>. Unzip and copy the folder SECURE-TSPlayer to the root of the website, along with its folder structure. The SECURE-TSPlayer directory contains a file called SECURE-TSPlayer V4.5.swf, which constitutes the core of the audio player, a folder named Skin with the skin of the audio player, a configuration.xml file that contains the initial setup of the audio player, a playlist.xml file that has the list of files to be played with each file's attributes (for example, title, location of the MP3 file, URL address of the information related to the audio file, and the address of an associated image), and a getPlyData.php file that is in charge of safe audio playback.

All these files must be uploaded into the Web server.

Steps to follow.

### FIRST STEP

Use Adobe Dreamweaver or any other text editor to open the configuration.xml file. This file contains all setup options required for optimal performance of the SECURE-TSPlayer V4.5 audio player. The configuration.xml file has the following structure:

```
<?xml version="1.0" encoding="iso-8859-1"?>
<tsplayer>
  <skinoptions>
    <skin>../skin/ts1.swf</skin>
    <playlist>1</playlist>
  </skinoptions>
  <functionality>
    <streaming>1</streaming>
    <autoplay>1</autoplay>
    <volume>100</volume>
    <repeat>0</repeat>
    <shuffling>1</shuffling>
  </functionality>
</tsplayer>
```



where:

**<skin></skin>** contains the URL address of the audio player's skin. This URL address can be absolute within the same domain as the audio player (for example, <http://www.mywebaddress.com/SECURE-TSPlayer/skin/skinname.swf>) or relative to the Web page where the player will be inserted (ex. SECURE-TSPlayer/skin/skinname.swf, if the SECURE-TSPlayer directory and the Web page where the player is inserted are on the same level).

**<playlist></playlist>** enables the playlist to be displayed or hidden. The permitted values are 0 (to hide the playlist) and 1 (to display the playlist).

**<streaming></streaming>** allows you to listen to the song as it downloads, or to play the song only after it has downloaded completely. The permitted values are 0 (to disable streaming) and 1 (to enable streaming). For audio files external to the Website's domain or when safe reproduction is desired, this option must be changed to 1.

**<autoplay></autoplay>** allows the player to start running the moment it finishes its download, playing the first audio file on the playlist. The permitted values are 1 (the player starts working as soon as it is displayed) or 0 (the player starts playing the songs on the playlist by your queue).

**<volume></volume>** accepts values ranging from 0 to 100 indicating the volume that you have selected by default. You may change the volume value later, on your preference.

**<repeat></repeat>** allows you to run the elements of the playlist in a loop (in other words, when all files in the list have been played, the list will start over again continuously). The permitted values for this field are 0 (to stop the player after all the elements of the playlist have been executed) or 1 (to make the reproduction work in a loop).

**<shuffling></shuffling>** tells the player whether or not the playlist elements are to be reproduced randomly or not. The permitted values for this option are 1 (the audio files on the list play in a random pattern) or 0 (to set the playlist on a sequential pattern).



## SECOND STEP

You may use Adobe Dreamweaver or any other text editor to open the playlist.xml file. This file contains a list of the MP3 files that will be reproduced and a set of characteristics for each file.

The playlist.xml file has the following structure:

```
<?xml version='1.0' encoding='UTF-8' ?>
<playlist version='1' xmlns='http://xspf.org/ns/0/'>
  <title>SECURETSPlayerV3.5 Generated Playlist</title>
  <info>http://www.tsplayer.com/</info>
  <trackList>
    <track>
      <annotation>Song Title1</annotation>
      <location>../music/1.mp3</location>
      <info>http://www.servername.com/info.html</info>
      <image>../image1.jpg</image>
    </track>
    <track>
      <annotation>Song Title2</annotation>
      <location>../music/2.mp3</location>
      <info>http://www.servername.com/info.html</info>
      <image>../image2.jpg</image>
    </track>
  </trackList>
</playlist>
```

**<trackList></trackList>** contains a list of all the audio files that will be played.

**<track></track>** has the data of each audio file.

**<annotation></annotation>** is the title with which the audio file will be displayed, in the playlist shown in the SECURE-TSPlayer.

**<location></location>** is the location where the MP3 audio file is found. This address is relative to the Web page in which the audio player will be inserted if the reproduction is not meant to be in safe mode, or relative to the getPlayData.php file if the audio is meant to be played in safe mode.

**<info></info>** is the absolute URL (including the protocol, in this case http://)



to a Web page with information associated with the audio file that it is linked.

`<image></image>` is the location of the jpg file associated with the audio file. This address is relative to the Web page where the audio player is inserted, when safe reproduction is not desired, or relative to the `getPlayData.php` file when safe reproduction of the files is desired.

Note: The `playlist.xml` is for cases in which the audio and image files are found under the same domain as the Website where the audio player is inserted.

## THIRD STEP

When reproduction of audio files outside the Website's domain is required or when safe reproduction of the audio files under the same domain is desired, you should open the `getPlayData.php` file that is located in the SECURE-TSPloyer folder and replace the line:

```
$playlistFile = "<playlist_source>";
```

`<playlist_source>` with the real source where the `playlist.xml` that is going to be reproduced is located.

## FOURTH STEP

To finish, you should paste the following text (nothing more than the inclusion of the audio player in the Web page) within the tag `<body></body>` of the Web page where you want the SECURE-TSPloyer V4.5 to be inserted.

```
<object classid="clsid:d27cdb6e-ae6d-11cf-96b8-444553540000"  
codebase="http://fpdownload.macromedia.com/pub/shockwave/cabs/  
flash/swflash.cab#version=7,0,0,0" width="355" height="316" id="TSPlayer"  
align="middle">  
<param name="allowScriptAccess" value="sameDomain" />  
<param name="movie" value="<SECURE-TSPloyer address>" /><param  
name="quality" value="high" />  
<param name="bgcolor" value="#ffffff" />  
<param name="FlashVars" value="playlistfile=<playlist.xml or getPlayData.php  
address>&configurationfile=<configuration.xml address>" />  
<embed src="<SECURE-TSPloyer address>" quality="high" FlashVars="playlistf
```



```
ile=<playlist.xml or getPlayData.php address>&configurationfile=<configuration.xml address>" bgcolor="#ffffff" width="355" height="316" name="TSPlayer" align="middle" allowScriptAccess="sameDomain" type="application/x-shockwave-flash" pluginspage="http://www.macromedia.com/go/getflashplayer" />  
</object>
```

Where “<SECURE-TSPlayer address>” is the URL address of the SECURE-TSPlayer V4.5.swf file. This URL address can be absolute within the Website or relative to the Web page where the audio player is inserted.

Where “<configuration.xml address>” is the URL address to the configuration.xml setup file. This URL address can be absolute within the same domain where the website (with the audio player) is hosted or relative to the webpage where the player will be inserted.

Where “<playlist.xml or getPlayData.php address>” is the URL of the playlist.xml file or the php extension file (when reproduction is meant for audio files outside the Website’s domain or safe mode is desired for audio files under the same domain as the Website). This URL address can be absolute with the same domain where the audio player is hosted, or it can be relative to the Web page where the player has been inserted.

## CONCLUSION

The SECURE-TSPlayer V4.5 is popular among users who employ it because of its wide range of options and available skin designs.

We will continue to publish skins on our Website <http://www.tsplayer.com>. If the skins currently available do not precisely match your Website’s design needs, you may contact us, and we will provide our design services to create a specific skin, that is tailored to your needs.