

# iTunes Extras and iTunes LP Test Guide v1.1



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Apple Inc.  
1 Infinite Loop  
Cupertino, CA 95014  
408-996-1010

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## **Revision History**

**July 06, 2012—Version 1.1.** Major revision, checklist included.

## Overview

This document helps you to test your iTunes LP or iTunes Extras on a Mac, PC, or Apple TV. You can use the included testing checklist to ensure that your packages work correctly on all the platforms.

## Functionality Testing on Mac and PC

To test the functionality of iTunes LP or iTunes Extras content, you can use Safari on a Mac or PC. To open the iTunes LP or iTunes Extras content in Safari, drag the index.html file to the Safari icon. To navigate you iTunes LP or iTunes Extras, you can use the pointer or the keyboard arrows. If you are using the templates available on [apple.com/itunes/lp-and-extras](http://apple.com/itunes/lp-and-extras), you will hear a sound whenever you use the arrow keys or reach the end of a navigation pane. Note that core assets must be viewed in iTunes (for example, movies, albums, and tracks) and will not work in Safari. To view the core assets in iTunes, follow the step below:

1. Before launching iTunes, you must set it up for debugging and identifier editing (XIDs) by using the following commands in Terminal (OS X) or the command line (PC).

### Edit HTML:

To allow right click “Inspect Element” in iTunes LP or iTunes Extras, use the following command:

#### Mac

```
defaults write com.apple.iTunes WebKitDeveloperExtras -bool true
```

#### Windows

```
iTunes.exe /setPrefInt WebKitDeveloperExtras 1
```

To undo, use the following command:

#### Mac

```
defaults write com.apple.iTunes WebKitDeveloperExtras -bool false
```

#### Windows

```
iTunes.exe /setPrefInt WebKitDeveloperExtras 0
```

### Asset XID editing:

To change the “Grouping” field in Get Info to “XID” use the following command:

#### Mac

```
defaults write com.apple.iTunes booklet-authoring-mode 1
```

#### Windows

```
iTunes.exe /setPrefInt booklet-authoring-mode 1
```

To undo, use the following command:

#### Mac

```
defaults write com.apple.iTunes booklet-authoring-mode 0
```

## Windows

```
iTunes.exe /setPrefInt booklet-authoring-mode 0
```

2. If you do not have an existing XID for your content, you can create a test XID. The test XID must be added to the core asset. To add it, use the Get Info pane and add the XID to the Grouping field. You can remove the existing XID "TEST:uuid:F97CCBE5-EBD4-4A30-A13A-6B5052EE6A04" and replace it with your own. To verify chapter functionality of your core asset, use the test core movie [Movie Chapter Test File](http://apple.com/itunes/lp-and-extras) available on [apple.com/itunes/lp-and-extras](http://apple.com/itunes/lp-and-extras).
3. Use the XID from the core asset in the data.js file.
4. Create an iTunes LP (itlp) or iTunes Extras (ite) package by adding ".itlp" or ".ite" to the folder containing the index.html file. If you are using a Mac, this will convert the folder into a package file. If you want to edit the package content at a later point, right click on the package and choose Open Package Contents from the menu. Drag the package, including the core asset or test core movie, to the iTunes icon.
5. Make sure that the background audio is included in the "audio" folder and that video bonus content is included in the "videos" folder. To function properly, audio files must be in the MPEG-4 Audio (.m4a) format and videos in the MPEG-4 Video (.m4v) format.

## Testing for Apple TV

To test the functionality of your iTunes LP or iTunes Extras on Apple TV:

1. To ensure that the iTunes LP and iTunes Extras content works on Apple TV, include the following section in the manifest.xml file:

```
<requirements>
  <supported_platforms>
    <platform name="iTunes" minimum_version="9.0"/>
    <platform name="AppleTV" minimum_version="3.0"/>
  </supported_platforms>
</requirements>
```

2. Core assets for iTunes LP or iTunes Extras must have the same "Album Name" in the Get Info pane. Note that this is for testing only.
3. Core assets, iTunes LP, or iTunes Extras content must be synced to Apple TV via iTunes.

## Creating XID for Testing

If you are testing iTunes LP or iTunes Extras prior to submitting to iTunes, and have no XID for your content, you can generate a temporary XID. The temporary XID consists of a universally unique identifier (UUID) with a TEST prefix. In OS X, use the “uuidgen” command to generate a temporary XID. For example:

```
$ uuidgen
94C2C4BC-E57B-4CA6-B7C9-AA9EE8A63298
```

Create your XID by adding “TEST:uuid:” to your UUID. For example:

```
TEST:uuid:94C2C4BC-E57B-4CA6-B7C9-AA9EE8A63298
```

For more information on XIDs, see the [Development Guide](http://apple.com/itunes/lp-and-extras) on apple.com/itunes/lp-and-extras.

## Testing Checklist

Once you have created iTunes LP or iTunes Extras content, you can test it on a Mac, PC, or Apple TV. Make sure you test all of the items listed below.

### iTunes LP

Field	Notes
Home	The correct background audio plays when iTunes LP loads. The audio must not loop, unless specifically set to
	Animations function correctly and do not stutter.
Play Album	Play Album starts audio playback from track one and starts the visualizer, if available.
	The visualizer, if available, displays properly and cycles through each scene correctly.
	The Home button disappears after a few seconds without pointer movement.
	The Apple TV visualizer push is conditional. If no visualizer is used on Apple TV, it is disabled.
	Playlists are only created once per session.
Track List	All Play Song links play the correct audio track.
	Home button returns to main menu.

Field	Notes
Song and Lyrics Pages	All Play buttons play the correct audio track.
	Scroll bars work correctly, for example sliders are flush with top and bottom of scrollable area when slider is at
	Lyrics are visible and not cut off by other page elements.
	Previous and Next song button go to the correct song
	Home button returns to main menu.
Photos	Scroll bars, left, and right buttons work correctly.
	Home button returns to main menu.
	If slideshow or zoomed view is used, the Home button disappears after a few seconds without pointer

Videos	Play button plays the correct video.
	Video thumbnail images show the correct videos.
	iTunes displays the correct video title and artist name.
	Scroll bars work correctly.
	Home button returns to main menu.
Discography	iTunes links go to correct store pages.
	Scroll bars work correctly.
	Home button returns to main menu.
Liner Notes and Credits	All text is visible and is not cut off by other page
	Scroll bars work correctly.
	Home button returns to main menu.

## iTunes Extras

Field	Notes
Play Movie	Play button starts movie playback from beginning or last

Field	Notes
Chapters	Resume button plays feature movie from last position.
	Each chapter starts at the correct location of the feature
	The chapter thumbnail image is the movie's current
	The correct number of chapters and unique chapter thumbnail images are displayed.
	The chapter slider, if used, works correctly. The left arrow must not appear in the first chapter. The right arrow must not appear in the last chapter.
	Home button returns to main menu.

Features	Resume button plays feature movie from last position.
	Video thumbnail images show the correct videos.
	iTunes displays the correct video title and artist name.
	Scroll bars work correctly.
	Home button returns to main menu.
More	Resume button plays feature movie from last position.
	iTunes Store links go to the correct store pages.
	Links go to the correct webpages.
	Home button returns to main menu.

## General Items

Field	Notes
General	All buttons appear correctly on Apple TV.
	Unused code is removed (for example, "playchapters" from photos pages).
	Ensure appData includes the VAM playback strings.