

# KonAVio Media Widget

Version 1.0      11 March 2008

## Summary

The KonAVio Media Widget is a generic cross-platform media player which can play audio and video files and streams using QuickTime Player, RealPlayer and Windows Media Player. It can also play Flash movies.

On the Macintosh, it requires the Flip4Mac WMV Player which enables QuickTime Player to play Windows Media.

[Note: On the Macintosh, KonAVio Media can play local and remote .swf and .flv Flash files. On Windows, only remote .swf files can be played.]

## Description

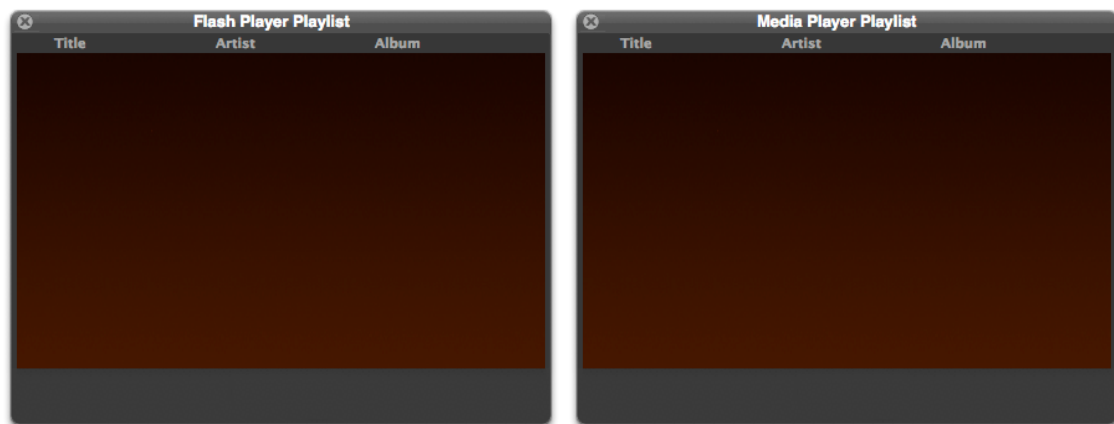
When first opened, it display two windows:



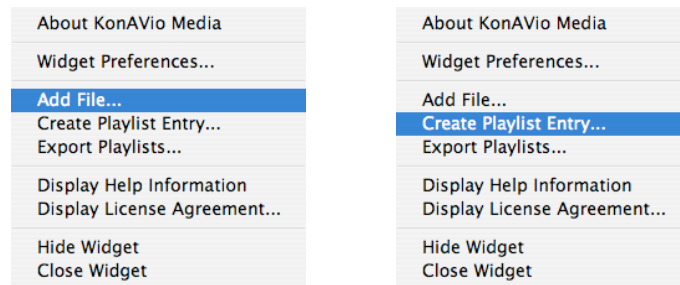
The larger window is the Flash Player window, which can be resized, and in which Flash movies are played.

The smaller window is the Media Player Window which is used to play all other types of audio and video media. It makes use of the QuickTime Player, RealPlayer and Windows Media Player applications. On the Macintosh, the Flip4Mac WMV Player is used to play Windows Media in QuickTime Player.

Before any media can be played, entries must be made in the Flash Player or Media Player Playlists, which are opened using the two buttons on the bottom-right of the windows. The left button of a pair opens an empty playlist which initially looks like this:



Entries can be added to a playlist in various ways, for example, by using the context menu **Add File...** or **Create Playlist Entry...** menu items,



or by using the right button (**Add File... Button**) of the pair.

The **Add File...** menu item or button invoke a file selection dialog in which the user can choose a media file.

The **Create Playlist Entry...** menu item invokes the following dialog in which the user may manually construct a playlist entry.

**Create or Edit Playlist Entry**

Title:   
Enter the title (key) to be associated with this item.

Location:   
Enter the url or path for this item.

Artist:   
Enter the artist.

Album:   
Enter the album.

Category:   
Enter the category (genre).

Mode:

If this is an audio or video stream, you may select a player to be used if the Widget cannot choose one itself.

Entries may also be made by dragging media files, media meta-files or internet shortcuts onto the playlist window.

A populated playlist might look like this:

Title	Artist	Album
Audio Sample	artist	album
Christmas Message	artist	album
Classic Blues	artist	album
Ed Computing Milieu	artist	album
Finlandia	artist	album
Grumpy Old Farts	artist	album
Het Wilhelmus	Royal Website	Unknown
Het Wilhelmus Midi	artist	album
IOT: Antimatter	Melvyn	album
IOT: Mutation	artist	album
IOT: The Nicene Creed	artist	album
KKJZ Jazz and Blues	artist	album
Netherlands NA	artist	album
Nick Shelness	artist	album
RFC 1738	artist	album
Ricky On Glass	artist	album

## Playing Media Entries

Media items are played by selecting an entry in a playlist and double-clicking it.

Most items are then under the control of the Flash Player or Media Player window controls.

However, the user can choose to play items directly in a media application, in which case the item is **cast off** and cannot be controlled by the Widget.

## Media Handling

KonAVio Media chooses how to handle audio and video items by first looking at the **Mode** specified by the user in the **Create or Edit Playlist Entry**

dialog. If this is not **Automatic**, the item is passed to the player specified by the user. If the mode is **Application or Browser**, the item is **cast off** to a default application or played in a browser.

If the mode is **Automatic**, KonAVio Media looks for a (file) extension in the URL of the item to be played.

The extension (if present) determines the media application to be used in accordance with the following table:

Extn	Type	On Macintosh	On Windows
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#### Media Files or URLs:

mov	video	WMV/QTP	QTP
mp4	video	WMV/QTP	QTP
ra	audio	RP	RP
rm	video	RP	*
rmvb	video	RP	*
mid	audio	WMV/QTP	WMP
mp3	audio	WMV/QTP	WMP
wma	audio	WMV/QTP	WMP
asf	video	WMV/QTP	*
avi	video	WMV/QTP	*
mpg	video	WMV/QTP	*
wm	video	WMV/QTP	*
wmv	video	WMV/QTP	*

#### Meta-Files or URLs:

pls	audio	RP	WMP
ram	audio	RP	RP
smil	audio	RP	RP
wax	audio	WMV/QTP	WMP
asx	video	WMV/QTP	*
wmx	video	WMV/QTP	*
wvx	video	WMV/QTP	*

If no extension is present, KonAVio Media then looks at the protocol header.

#### Stream protocols:

rtsp	RP	RP
mms	WMV/QTP	WMP
http	RP	WMP

#### Application Abbreviations

QTP	QuickTime Player
RP	RealPlayer
WMP	Windows Media Player

WMV/QTP QuickTime Player with WMV Player

Items marked with a star (\*) are **cast off** to an **Application or Browser** and are not under the control of the player.

On the Macintosh, both QuickTime and Windows Media are handled by the QuickTime Player Application with the WMV Player Application. Real Media are handled by the RealPlayer Application

On Windows, QuickTime Media are handled by the QuickTimePlayer via COM. Windows Media are handled by the Windows Media Player OCX via COM. Real Media are handled by the RealPlayer G2 Control via COM.

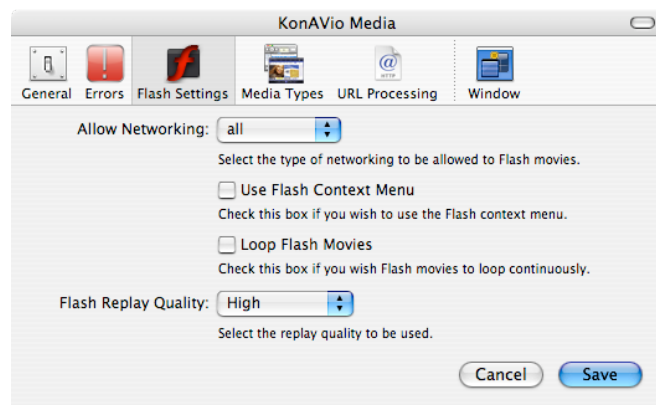
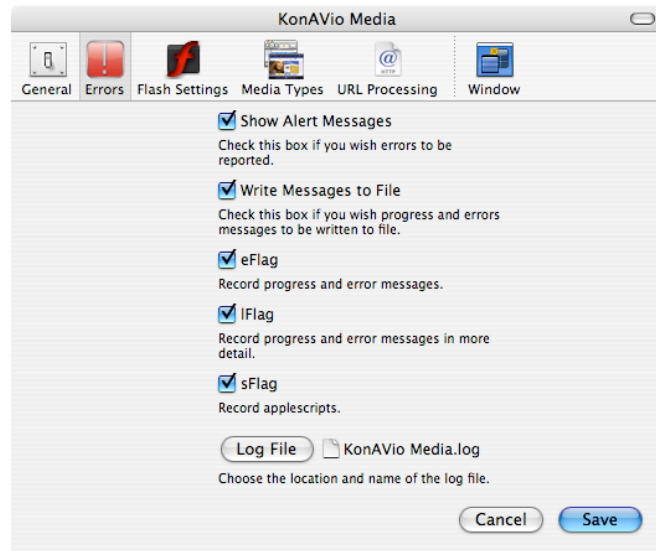
In case of problems playing streams, the user may set a **Mode** which may work better. There is also a preference option to open meta-files directly (using filesystem.open()).

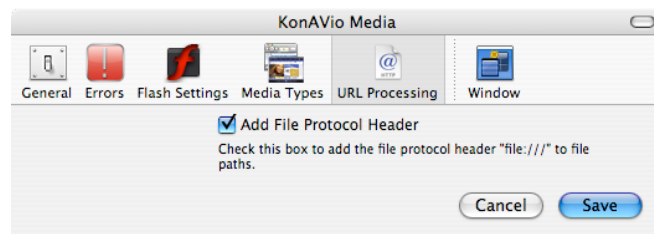
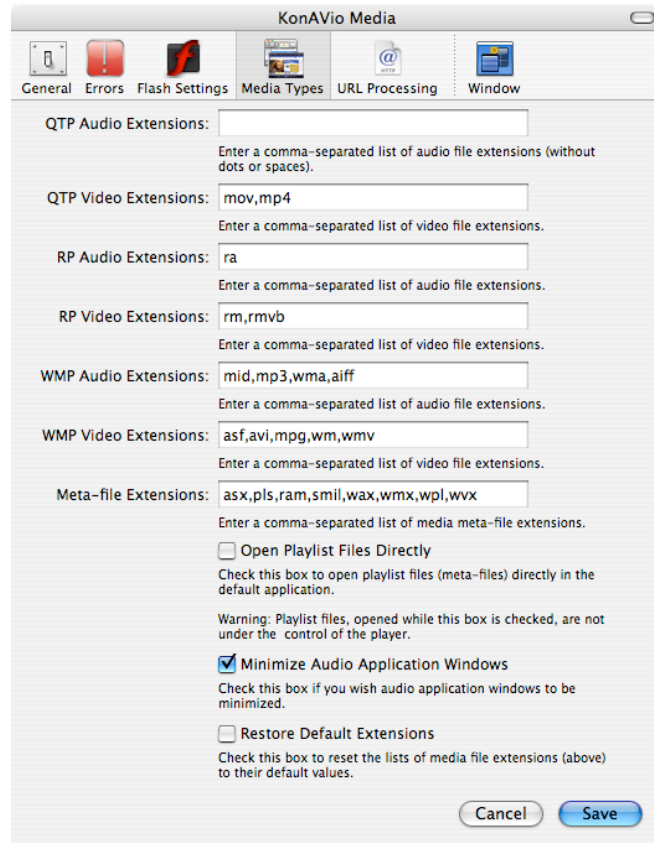
This option may result in the streams being played in an application or browser window that is not under control of KonAVio Media.

#### Preferences

There are number of preference panes which can be used to modify the way the Widget works.







## Version History

1.0 - Initial Release

## **Credits**

Design and graphics by John Riddle.  
License window by Ricky Romero.  
Some code is taken from Widgets by Ricky Romero and Harry Whitfield.  
Media Classes by Mariano Felice and Harry Whitfield.  
FLV Flash Player by Laurent Cozic  
New code by Harry Whitfield.

## **LICENSE AND DISCLAIMER OF WARRANTY**

KonAVio Media - an Audio and Video Player Widget

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