Radio App

Instructions on customizing the Mexico Radio App.

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How to Customize

This app can be used to build a fully functional radio app with recording that can be submitted to the app store, without modifying any computer code. All that is necessary is to change graphics and radio stations.
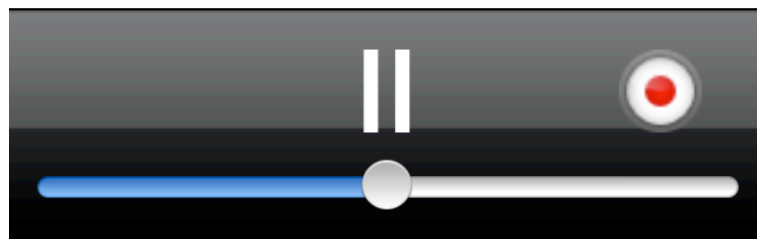
IMPORTANT: LICENSE INFORMATION

This source code is provided "as is" under a white label license. This means you can rebrand the app and sell it as your own with the following restrictions. This source code may NOT be used to create radio or other apps based on the following shows/personalities:

• Rush Limbaugh

• Sean Hannity

• Glenn Beck

• Michael Savage

• Mark Levin

• Any Catholic radio station

• George Noory or Coast to Coast AM

By using this code in your own projects you agree to a no-compete clause and hence agree to not produce any radio app including the programs listed above. You are free to produce any other radio type app or use the recording feature in other apps. You also agree not to sell the source code to any third party or reveal it to anyone other than a developer you have hired to work on your own projects. This app has been in the app store for nearly 2 years so there are not any known bugs, although specific radio streams may not work from time to time or go off line. If any bug fixes or program modifications are required Bluewater Publishing will not provide them, you will have to hire your own developer to fix the code. You are also prohibited from using the icons provided with this project as they are already in use on the iTunes store.

How To Set Up

This app has three tabs. The first tab is a listing of shows, the second tab is a listing of stations, and the third tab is a listing of recordings. If a show is live on the air, the show button on the first tab is green colored, it will be plain white if the show is off air. Stations on the second tab are available for listening 24/7. If the user clicks a show or station, they see a screen like the following:

You can see a play/pause button at the bottom of the screen, along with a sliding volume control The red circle can be tapped to start recording. When the app is in recording mode, tapping the red circle a second time will stop the recording and prompt the user for a file name. If the user enters a file name and saves the recording, it will be available on the third tab in a table list, tapping on a file name in the table will play the recording. The best thing to do is play with the app on the simulator or your device to get a feel for how it operates.

Setting Up Images

The xcode project for this app has a folder called "images" in the Resources folder. Here you will find application icons, and background images. These can be changed by simply editing the images and saving them in the same locations on your computer with the same file names. In this particular example a white background was used but a background with an image can also be used in this app.

Next in the buttons folder you will see files button1.jpg, button2.jpg etc. These are the station buttons. Customize these buttons by making your own images of the same size and resolution.

The faces folder is where you can put custom icons for specific radio shows. Although not used in this version of the app, sample buttons of radio personalities are provided for example purposes only (you are strictly prohibited from using the personalities noted under the License section of this document).

The set of images called Default.png (and Landscape and Portrait) are the splash screens for the app. Do not change the names of the files but edit the images and customize for your own app. You are prohibited from using the provided images as is; they are provided for illustration only.

Setting up Stations and Shows

When you have your images ready, the final step is to customize the data used for the app. Look for the "data" folder under Resources. There you will see a file called *Stations.plist*. The stations.plist file contains the station feeds and references to appropriate buttons and face icons for the app.

The top level of each item is for a given radio station. You need to set the title for the station, provide a link to the feed, and specify the image name for that station's button. This app will work

with most .pls or .m3u streams. The app is designed to parse the stream file so it is not necessary to provide raw mp3 links (in fact that will not work). Testing is required. Although most pls and m3u files work, in some cases they do not so before using a feed make sure the app can open it. A good place to find Apple compatible radio streams for all types of radio stations you can use is the stream center at http://www.thestreamcenter.com.

The screen below shows a station entry:

▼ Item 48	Diction...	(5 items)
title	String	Radio Maria NY
link	String	http://yp.shoutcast.com/sbin/tunein-station.pls?id=725149
New item	String	http://cabomil.fabredns.net:4600/listen.pls
imageName	String	Button49.jpg
▼ shows	Array	(1 item)
▼ Item 0	Diction...	(5 items)
title	String	Radio Maria New York
imageName	String	clock1.jpg
startTime	Number	0
endTime	Number	24
days	String	weekdays

The app is currently set up for 53 stations. If you need fewer stations, simply delete some of the items. If you need more copy and paste into the table. Note that not all stations are set up for shows so make sure you copy an entry with or without specific shows as needed.

Show times can be set up in "military" time and times are given for US Eastern Time Zone. So if a show airs from 2 PM to 5 PM eastern US time, you would put startTime as 14 and end time as 17. To add multiple shows for a specific station, copy the item under the shows root and paste it, again under the shows root.

You can set imageName for each show from an icon you place in the faces folder. Be sure to match the size of the sample images in that folder.

After you edit the Stations.plist file, save it. Note that for testing you will have to delete the app from the simulator or your device and rebuild each time the Stations.plist file is modified.

Changing the images and the Stations.plist file is all you need to do in order to create a new radio app. Good luck!