

# Running **Radio** in the Background (iOS/Android)

This is a short manual how to run **Radio** in the background on an iOS or Android device.

[Visit us at the Unity AssetStore](#)

## Note:

In this tutorial we used

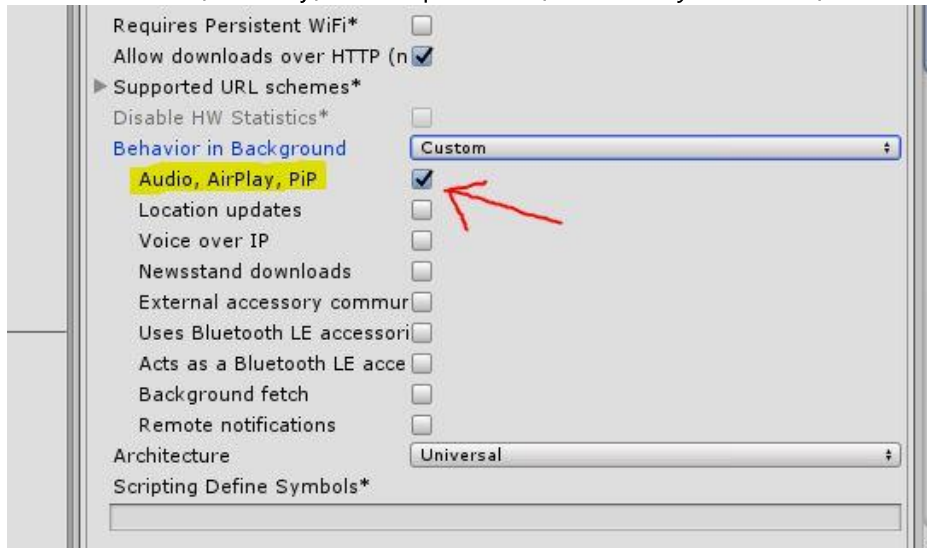
- **Unity 5.6.1**
- **Xcode 8** (tested with **iOS 10.3**)
- **Android Studio 2.1.3** (tested with **Android 5.1**)

## iOS

1. Go to the **PlayerSettings**  
**File -> Build Settings -> PlayerSettings**
2. Change the "Behaviour in Background" from **Suspend** to **Custom**

### Tab: Other Settings

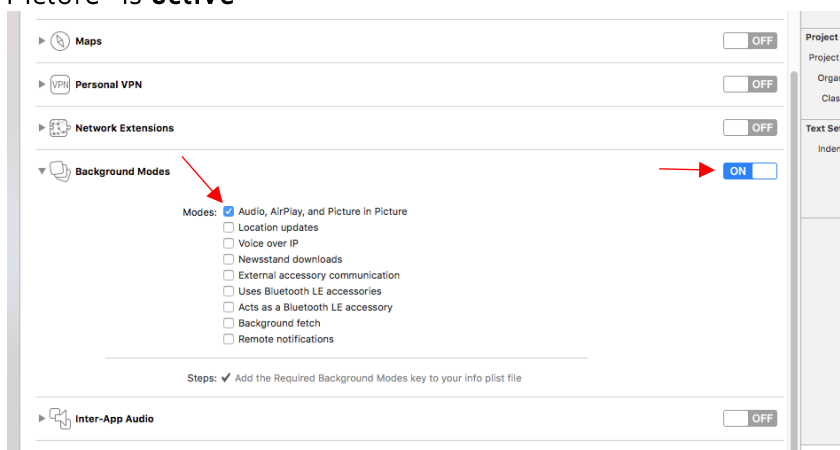
3. Set the "Audio, AirPlay, PiP" top active (from Unity 5.6.0 on)



4. Build the project for **iOS**

## Xcode Settings

1. Open the Xcode project
2. Click on the project (with the blue icon to the left) and open the **Capabilities** tab
3. Scroll to the **Background Modes** and check if the "Audio, AirPlay, and Picture in Picture" is **active**

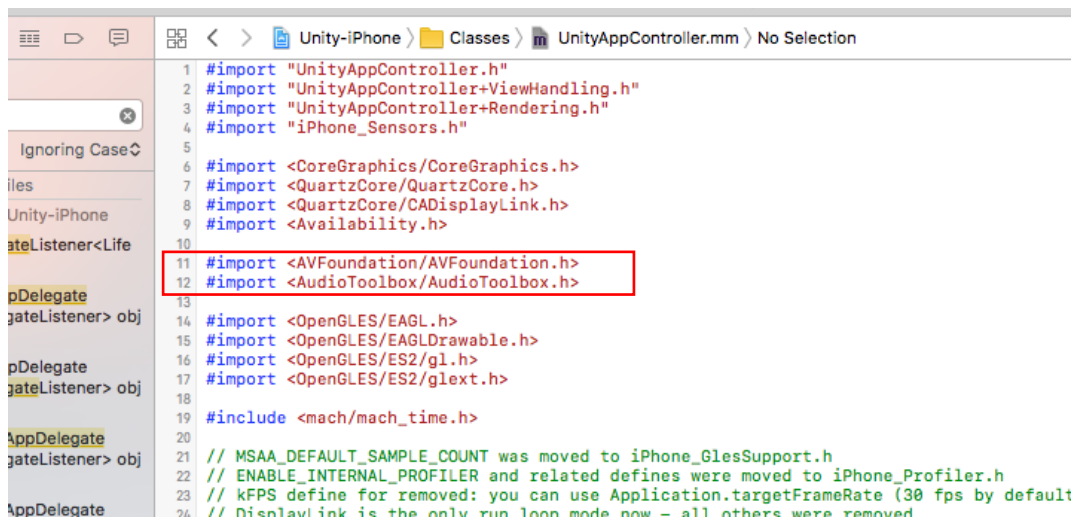


4. Open the **info.plist** file and check the following values

Application does not run in background	Boolean	NO
UILaunchStoryboardName~iphone	String	LaunchScreen-iphone
Application uses Wi-Fi	Boolean	NO
Localization native development region	String	en
Bundle version	String	0
Required background modes	Array	(1 item)
Item 0	String	App plays audio or streams audio/video using Ai...
UILaunchStoryboardName~ipad	String	LaunchScreen-ipad
Status bar is initially hidden	Boolean	YES

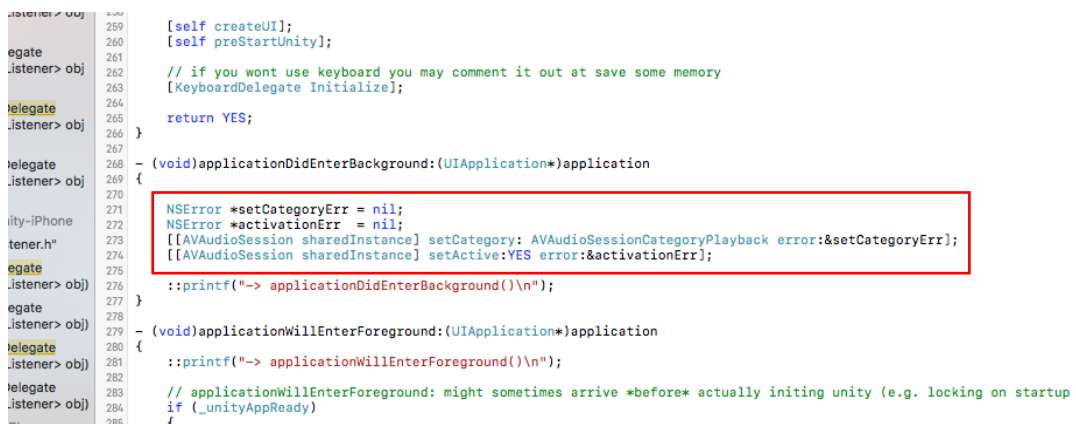
5. Search for "AppDelegate" and open the *UnityAppController.mm* file
6. Add the **import** lines for **AVFoundation** and **AudioToolbox**

```
#import <AVFoundation/AVFoundation.h>
#import <AudioToolbox/AudioToolbox.h>
```



7. Next, search in the same file for "applicationDidEnterBackground" and add these lines

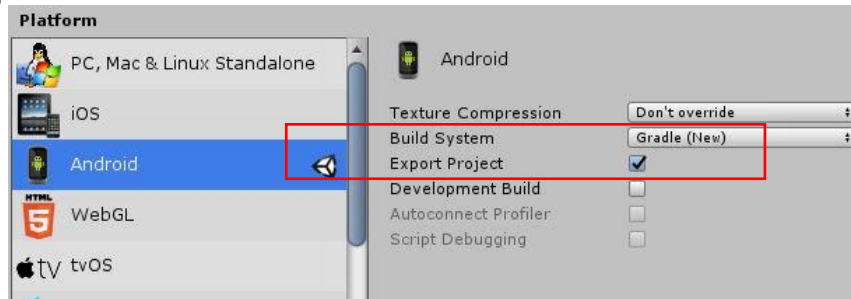
```
NSError *setCategoryErr = nil;
NSError *activationErr = nil;
[[AVAudioSession sharedInstance] setCategory: AVAudioSessionCategoryPlayback error:&setCategoryErr];
[[AVAudioSession sharedInstance] setActive:YES error:&activationErr];
```



## Android

### Unity Settings

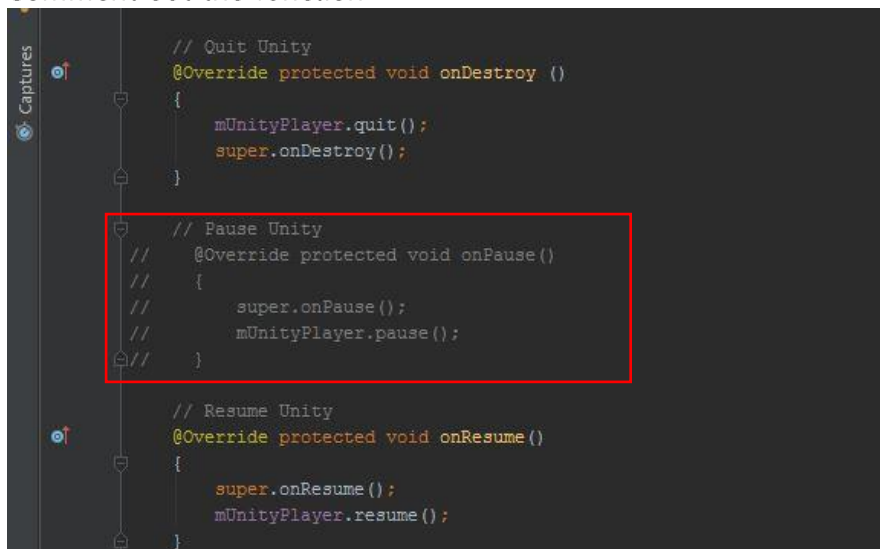
1. Open the **Build Settings**
  - a. **File -> Build Settings**
2. For *Build System*, choose **Gradle (New)**
3. Set export to **active**



- a.
4. Click **Export** and choose a folder

### Android Studio Settings

1. Open **Android Studio**
2. Open the project folder
3. Open the **UnityPlayerActivity.java** file  
**Radio -> src -> main -> java -> com -> crosstales -> Radio**
4. Search for "onPause"
5. Comment out the function



Done :-)