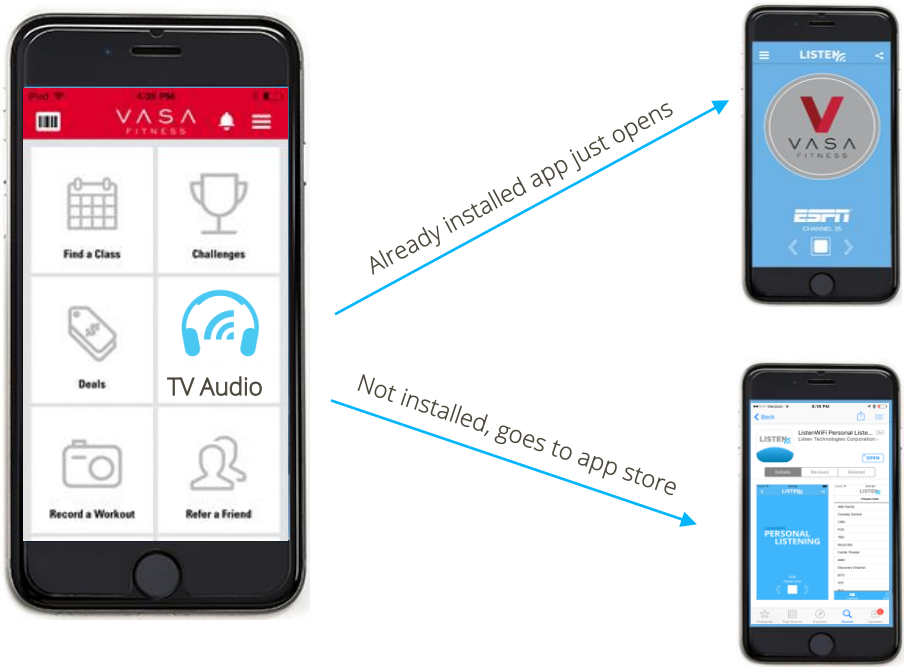
ListenTech-Note

Deep Linking to ListenWiFi from Existing Mobile App

OVERVIEW:

This tech note covers the use of Deep Linking technology to embed a hyperlink into an existing app, this allows the end user to simply tap the link so that the ListenWiFi app opens and they can begin streaming audio.



If a venue already has a mobile app for its patrons, it can be used to install and open the ListenWiFi mobile app automatically. If the ListenWiFi app isn't already installed it takes end users to the App or Google Play Store page so it can be downloaded and installed. This makes deploying ListenWiFi easy for venues as there is no need for signs or posters telling patrons where to download the app. Please note that implementing deep linking requires a software developer skilled in Android and Apple platforms.

The ListenWiFi mobile apps are as follows:

Android
androidStoreUrl -> https://play.google.com/store/apps/details?id=com.listentech.personallistening
Apple
iosAppUrl-> com.listentech.personallistening://
iosStoreUrl -> https://itunes.apple.com/us/app/listenwifi-personal-listening/id782256496?ls=1&mt=8

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REQUIRED PRODUCTS:

- PL-900 – ListenWiFi Server
- PL-400 – Audio Interface
- PL-301 – Wireless Access Point
- Code library of existing mobile application to link to ListenWiFi (see below)

HOW TO IMPLEMENT:

Copy the associated text containing the Android and iOS code to any click event to point to the ListenWifi Application.

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Android

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```
1.  public void openListenWiFiApp() {
2.          String appPackageName = "com.listentech.personallistening";
3.          if (isPackageExisted(appPackageName)) {
4.              Intent launchIntent = getPackageManager()
5.                      .getLaunchIntentForPackage(appPackageName);
6.              startActivity(launchIntent);
7.          } else {
8.              try {
9.                  startActivity(new Intent(Intent.ACTION_VIEW,
10.                         Uri.parse("market://details?id=" + appPackageName)));
11.             } catch (android.content.ActivityNotFoundException anfe) {
12.                 startActivity(new Intent(
13.                         Intent.ACTION_VIEW,
14.                         Uri.parse("https://play.google.com/store/apps/details?id="
15.                                 + appPackageName)));
16.             }
17.         }
18. }
19.
20. public boolean isPackageExisted(String targetPackage) {
21.         List<ApplicationInfo> packages;
22.         PackageManager pm;
23.         pm = getPackageManager();
24.         packages = pm.getInstalledApplications(0);
25.         for (ApplicationInfo packageInfo : packages) {
26.             if (packageInfo.packageName.equals(targetPackage))
27.                 return true;
28.         }
29.         return false;
30. }
```

****

iOS

****

```
1.  (void)openListenWiFiApp
2.  {
3.      NSString *customURL = @"com.listentech.personallistening://";
4.
5.      if ([[UIApplication sharedApplication] canOpenURL:[NSURL URLWithString:customURL]])

6.      {
7.          [[UIApplication sharedApplication] openURL:[NSURL URLWithString:customURL]];
8.      }
9.      else
10.     {
11.         [[UIApplication sharedApplication] openURL:[NSURL URLWithString:@"https://itu
    nes.apple.com/us/app/listenwifi-personal-listening/id782256496?ls=1&mt=8"]];
12.     }
13.
14. }
```

EXPECTED RESULT:

Once compiled with another mobile app's code, when the link is pressed it will:

1. Open up the ListenWiFi mobile app and provide a list of audio channels to select from. This assumes that the mobile device is connected to the "Personal Listening" Wi-Fi network.
   -Or-
2. Open up the app store and bring up the ListenWiFi Personal Listening App for installation if not already installed.

NOTE: There is not a default logo that appears for this link. The image is controlled by the app linking to the ListenWiFi app. The software developer would be responsible for providing or installing an image. Listen has an image (see below) that can be provided for the linking app available upon request.

Should you have any further questions, please feel free to contact Listen's technical services team at 801.233.8992 or support@listentech.com for further assistance.