

Radio 10 (App Android)

<https://play.google.com/store/apps/details?id=mauri.tech.radio10>

Código Fuente

IDE Android Studio

MainActivity.java

```
package mauri.tech.radio10;

import androidx.appcompat.app.AppCompatActivity;

import android.media.AudioManager;
import android.media.MediaPlayer;
import android.net.wifi.WifiManager;
import android.os.AsyncTask;
import android.os.Bundle;
import android.os.PowerManager;
import android.view.View;
import android.widget.Button;

import java.io.IOException;

public class MainActivity extends AppCompatActivity {

    Button radio;

    MediaPlayer mediaPlayer;

    boolean prepared = false;
```

```
boolean started = false;
```

```
String stream = "https://radio10.com.ar/live/playlist.m3u8";
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);
```

```
    setContentView(R.layout.activity_main);
```

```
    PowerManager powerManager = (PowerManager) getSystemService(POWER_SERVICE);
```

```
    PowerManager.WakeLock wakeLock =  
powerManager.newWakeLock(PowerManager.FULL_WAKE_LOCK,
```

```
    "MyApp::MyWakelockTag");
```

```
wakeLock.acquire();
```

```
WifiManager.WifiLock wifiLock;
```

```
radio = (Button) findViewById(R.id.radio);
```

```
radio.setEnabled(false);
```

```
radio.setText("CARGANDO");
```

```
mediaPlayer = new MediaPlayer();
```

```
mediaPlayer.setAudioStreamType(AudioManager.STREAM_MUSIC);
```

```
new PlayerTask().execute(stream);
```

```
radio.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View view) {
```

```
        if(started){
```

```
            started = false;
```

```
        mediaPlayer.pause();
        radio.setText("ESCUCHAR");
    } else {
        started = true;
        mediaPlayer.start();
        radio.setText("PAUSAR");
    }
}
});
}

class PlayerTask extends AsyncTask<String, Void, Boolean> {
    @Override
    protected Boolean doInBackground(String... strings){

        try {
            mediaPlayer.setDataSource(strings[0]);
            mediaPlayer.prepare();
            prepared = true;

        } catch (IOException e){
            e.printStackTrace();
        }
        return prepared;
    }

    @Override
    protected void onPostExecute(Boolean aBoolean) {
        super.onPostExecute(aBoolean);
        radio.setEnabled(true);
    }
}
```

```
        radio.setText("ESCUCHAR");
    }
}
}
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#FFEB3B"
    android:gravity="center"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/r10"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="20dip"
        android:layout_marginTop="20dip"
        android:layout_marginRight="20dip"
        android:layout_weight="1"
        android:background="#03A9F4"
        android:text="Radio 10"
```

```
android:textColor="#ffffff"  
android:textColorHighlight="#fff000"  
android:textSize="22sp" />
```

<Button

```
    android:id="@+id/radio"  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="20dip"  
    android:layout_marginTop="20dip"  
    android:layout_marginRight="20dip"  
    android:layout_weight="1"  
    android:background="#ffffff"  
    android:text="Escuchar"  
    android:textColorHighlight="#fff000"  
    android:textSize="22sp" />
```

<Button

```
    android:id="@+id/am710"  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="20dip"  
    android:layout_marginTop="20dip"  
    android:layout_marginRight="20dip"  
    android:layout_marginBottom="20dip"  
    android:layout_weight="1"  
    android:background="#03A9F4"  
    android:text="AM 710"  
    android:textColor="#ffffff"
```

```
        android:textColorHighlight="#fff000"  
        android:textSize="22sp" />  
</LinearLayout>
```

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
    package="mauri.tech.radio10">  
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />  
    <uses-permission android:name="android.permission.INTERNET" />  
    <uses-permission android:name="android.permission.WAKE_LOCK" />  
    <application  
        android:allowBackup="true"  
        android:icon="@mipmap/ic_launcher"  
        android:label="@string/app_name"  
        android:roundIcon="@mipmap/ic_launcher_round"  
        android:supportsRtl="true"  
        android:theme="@style/AppTheme">  
        <activity android:name=".MainActivity"  
            android:screenOrientation="portrait">  
            <intent-filter>  
                <action android:name="android.intent.action.MAIN" />  
  
                <category android:name="android.intent.category.LAUNCHER" />  
            </intent-filter>  
        </activity>  
    </application>
```

```
</manifest>
```

styles.xml

```
<resources>
```

```
    <!-- Base application theme. -->
```

```
    <style name="AppTheme" parent="Theme.AppCompat.Light">
```

```
        <!-- Customize your theme here. -->
```

```
        <item name="colorPrimary">#FFF000</item>
```

```
        <item name="colorPrimaryDark">#000000</item>
```

```
        <item name="colorAccent">#000000</item>
```

```
    </style>
```

```
</resources>
```