ARETE
mobile

Application Note

AN1013-00, 2014-07-18

Android Service App

Notice

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ARETE mobile

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Revision History

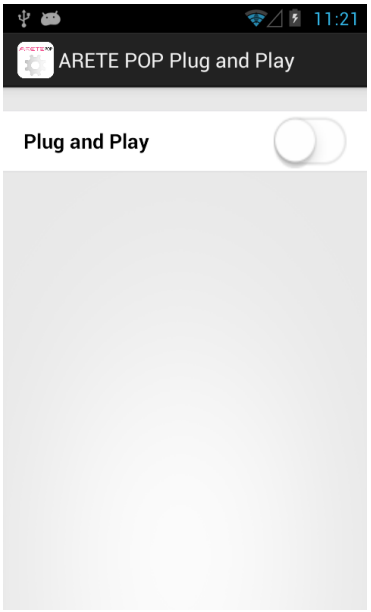
Version	Date	Changes
00	2014-07-18	Initially released

Android service is used to implement long-running background operations. The use case of ARETE POP Service is checking plugging status in background. Service is declared in manifest file.

```
@property (<service
        android:name=".AretePopService"
        android:enabled="true"
        android:exported="false" >
        <intent-filter>
            <action android:name="com.phychips.arete.popservice" />

            <category android:name="android.intent.category.DEFAULT" />
        </intent-filter>
    </service>, strong, readwrite) RcpApi *rcp;
```

User can select to start the Service or not after boot up. MainActivity shows the option.



Selection will be stored by using user preference.

```
SharedPreferences prefs = PreferenceManager
.getDefaultSharedPreferences(MainActivity.this);
SharedPreferences.Editor editor = prefs.edit();
editor.putBoolean("PLUG_AND_PLAY", bPlugAndPlay);
editor.commit();
```

At `public class AretePopService extends Service`, BroadcastReceiver is receiving headset plugging event. If ARETE POP is plugged in, BroadcastReceiver will launch ARETE POP SDK.

```
@Override
public void onReceive(Context context, Intent intent)
{

                                                        .....

// Plugged
if (intent.getIntExtra("state", 0) == 1)
{
        Intent i = new Intent(Intent.ACTION_VIEW);
        i.addCategory(Intent.CATEGORY_DEFAULT);
        i.addCategory(Intent.CATEGORY_BROWSABLE);
        i.setData(Uri.parse("rfid://com.phychips.aretepop.main"));
        i.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);


        try
        {
                startActivity(i);
        }

                                                        ....
```

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