

## Activity relaunch:

Sometimes depending on Phone brand and android version, activities gets relaunched before going into a different activity or when the activity resume after losing focus.

- If the broadcast receivers are registered - `deviceManager.registerReceivers(this);` and deregistered – `deviceManager.unregisterReceivers();` inside an activity, when activity relaunched the broadcast receivers will deregister and register again making the already connected devices to disconnect.

An alternative to overcome this issue is as following:

### 1. Set the application name to `DistoApplication`

```
<application
    android:name=".DistoApplication"
.
.
.
.
</application>
```

### 2. Create a class called `DistoApplication`

```
public class DistoApplication extends Application {

    @Override
    public void onCreate() {
        super.onCreate();

        DeviceManager deviceManager = DeviceManager.getInstance(this);

        // register receivers for receiving wifi and bluetooth adapter changes
        deviceManager.registerReceivers(this);
    }

    @Override
    public void onTerminate() {
        super.onTerminate();

        DeviceManager deviceManager = DeviceManager.getInstance(this);
        // unregister internal broadcast receivers
        deviceManager.unregisterReceivers();

        if (deviceManager != null) {
            //Disconnect from all the connected devices
            for (Device connectedDevice : deviceManager.getConnectedDevices()) {
                connectedDevice.disconnect();
            }
        }
    }
}
```

## ADVANTAGES:

- The receivers will only be registered when the app is launched.
- The receivers will only be deregistered when the app is terminated.