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## how to use android broadcast receiver

0

android

android-intent

broadcastreceiver

Here below is an example of service, activity and broadcast receiver. An activity is a setting that make changes to a service. The broadcast receiver listens to changes in settings and update service. learner2learner

```
public class xService extends Service {

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

    @Override
    public IBinder onBind(Intent intent) {
        return mBinder;
    }

    public static void setEnableNotification(int command) {
        Log.i("EnableNotification","Updated");
        if (command == 0)
            enableNotification = true;
        ...
    }
}
```

The method below is a part of an activity that sends broadcast:

```
protected void onCreate(Bundle savedInstanceState) {
    ....
    IntentFilter filter = new IntentFilter();
    filter.addAction(NotifyServiceReceiver.ACTION);
    registerReceiver(receiver,filter);
}
final String ACTION="broadcast_settings";
public void onClick(View view) {
    Intent intent = new Intent(ACTION);

    switch (view.getId()) {
    case R.id.switchNotification:
        if(switchNotification.isChecked()==true)
        {
            intent.putExtra("EnableNotification", 0);
            Log.i("Security365","Notification is enabled.");
        }
        else if ....
            sendBroadcast(intent);
            break;
    }
}
```

The part below is my broadcast receiver:

```
public class xReceiver extends BroadcastReceiver {

    final String ACTION="broadcast_settings";

    @Override
    public void onReceive(Context context, Intent intent) {
        if(intent.getAction().equals(ACTION)){

            int enableNotification = intent.getIntExtra("EnableNotification", 0);

            if (enableNotification == 0)
                Serurity365Service.setEnableNotification(0);
            ...
        }
    }
}
```

Mainfest

```
<receiver android:name=".xReceiver" android:enabled="true"></receiver>
```

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**Milanix**  
659 ● 9 ● 22

**Asked**  
Feb 8 '12 at 15:09

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**Edited**  
Feb 8 '12 at 16:23

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2 Answers

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1

If I understand your code correctly, the block

```
if(switchNotification.isChecked()==true)
{
    intent.putExtra("EnableNotification", 1);
    Log.i("Security365","Notification is enabled.");
}
```

is setting the EnableNotification to 1 in the intent used from sendBroadcast

In your broadcast receiver, you have

```
int enableNotification = intent
    .getIntExtra("EnableNotification", 1);

if (enableNotification == 0)
    Serurity365Service.setEnableNotification(0);
```

So it says to retrieve the extra EnableNotification and if no value, return the default value of 1 and then you never enter your if (enableNotification == 0) statement.

To be sure your broadcast receiver works correctly, add a log statement at the

beginning of your receiver in the onReceive method.

### EDIT:

Also the AndroidMANIFEST.xml has a tag <manifest> that declares a package.

For example

```
<manifest package="com.hello.world" ...
```

When you declare the receiver in the manifest, the . like in .xReceiver means that xReceiver.java should be located in the package com.hello.world.

If you have in a different package, specify the full name or relative to the package declared in <manifest

More info [here](#)

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**ccheneson**

25.2k ●4 ●35 ●44

**Answered**

Feb 8 '12 at 15:42

[Edited](#)

Feb 8 '12 at 16:37

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Added Log.i in onReceive and it's not working. – [Milanix Feb 8 '12 at 15:51](#)

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ihave another statement as well for if (enableNotification == 1) – [Milanix Feb 8 '12 at 15:53](#)

---

You have added the Log.i before if(intent.getAction().equals(ACTION)){ right ? – [ccheneson Feb 8 '12 at 16:31](#)

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0

you are sending broadcast in a wrong way. You should send it as below:

```
public void onClick(View view) {
    Intent intent = new Intent("your_action");

    switch (view.getId()) {
    case R.id.switchNotification:
        if(switchNotification.isChecked()==true)
        {
            intent.putExtra("EnableNotification", 1);
            Log.i("Security365","Notification is enabled.");
        }
        else if ....
            sendBroadcast(intent);
            break;
    }
}
```

and receive it as:

```

public class xReceiver extends BroadcastReceiver {

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

        if(intent.getAction().equals("your_action"){
            int enableNotification = intent
                .getIntentExtra("EnableNotification", 1);

            if (enableNotification == 0)
                Serurity365Service.setEnableNotification(0);
            ...
        }
    }
}

```

update you Androidmanifest.xml too:

```

<receiver android:name=".xReceiver" android:enabled="true">
    <intent-filter>
        <action android:name="your_action" />
    </intent-filter>
</receiver>

```

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**waqaslam**

31.9k ● 5 ● 54 ● 85

**Answered**  
Feb 8 '12 at 15:17

**Edited**  
Feb 8 '12 at 16:49

Thank you. But, what is "your\_action"? can you give example? – [Milanix Feb 8 '12 at 15:21](#)

this is the string you send in your broadcast to distinguish between different actions.  
[thinkandroid.wordpress.com/2010/02/02/...](http://thinkandroid.wordpress.com/2010/02/02/...) – [waqaslam Feb 8 '12 at 15:26](#)

I do not still get it working.. is anything else missing? – [Milanix Feb 8 '12 at 15:47](#)

ohh yeah, you also need to update your receiver in manifest. check my answer once again. i've updated it – [waqaslam Feb 8 '12 at 16:49](#)

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