https://web.archive.org/web/20130816205101/http://forums.se-nse.net/topic/29604-tutorial-creating-your-own-layoutxml/

Tutorial | Creating Your Own Layout.xml!

Started by photographer, May 28 2008 03:09 PM

Creating your own layout.xml

This tutorial recuires some insight in geometerics ;)

We're going to create our own layout.xml!

Note: Snowiffic has released an awesome and easy to use layout editor called SELE (Sony Ericsson Layouts Editor) take a look in THIS topic

Example:

[non-available posted image]

Requires:

1. Original layout.xml for your phone
2. xml editor (notepad or wordpad will do the job!)
3. Creativity!

Tutorial:

1. Open your layout.xml in notepad.
2. Search for "StatusIndication" (without quotes)
3. Scroll down a little and you will see a table like this:

```
<object name="StatusIndication">
<settings>
<sett name="RowHeight" value="0"/>
<sett name="TopOffset" value="0"/>
<sett name="TitleHeight" value="0"/>
<sett name="TitleTopOffset" value="0"/>
<sett name="TitleMode" value="1"/>
<sett name="OverlayStyle" value="0"/>
<sett name="YPos" value="24"/>
<sett name="Height" value="266"/>
</settings>
<attributes count="91">
<attr value="FontE_24R"/>
<attr value="FontE_20R"/>
<attr value="FontE_100R"/>
<attr value="FontE_75R"/>
<attr value="FontE_40R"/>
<attr value="FontE_20R"/>
```

```
<attr value="6"/>
<attr value="4"/>
<attr value="4"/>
<attr value="4"/>
<attr value="16"/>
<attr value="1"/> <attr value="239"/> <attr value="5"/> <attr value="32"/> <attr
value="10"/>
<attr value="1"/> <attr value="239"/> <attr value="34"/> <attr value="56"/> <attr
value="10"/>
<attr value="1"/> <attr value="239"/> <attr value="34"/> <attr value="80"/> <attr
value="10"/>
<attr value="1"/> <attr value="239"/> <attr value="55"/> <attr value="80"/> <attr
value="10"/>
<attr value="1"/> <attr value="239"/> <attr value="82"/> <attr value="104"/> <attr
value="10"/>
<attr value="4"/> <attr value="236"/> <attr value="34"/> <attr value="184"/> <attr
value="4"/>
<attr value="4"/> <attr value="236"/> <attr value="58"/> <attr value="184"/> <attr
value="4"/>
<attr value="4"/> <attr value="236"/> <attr value="82"/> <attr value="184"/> <attr
value="4"/>
<attr value="4"/> <attr value="236"/> <attr value="106"/> <attr value="184"/>
<attr value="4"/>
<attr value="0"/> <attr value="173"/> <attr value="205"/> <attr value="281"/>
<attr value="0"/>
<attr value="0"/> <attr value="240"/> <attr value="181"/> <attr value="281"/>
<attr value="0"/>
<attr value="121"/> <attr value="236"/> <attr value="210"/> <attr value="234"/>
<attr value="5"/>
<attr value="116"/> <attr value="236"/> <attr value="238"/> <attr value="262"/>
<attr value="5"/>
<attr value="4"/> <attr value="116"/> <attr value="210"/> <attr value="234"/>
<attr value="5"/>
<attr value="4"/> <attr value="116"/> <attr value="238"/> <attr value="262"/>
<attr value="5"/>
<attr value="174"/> <attr value="240"/> <attr value="211"/> <attr value="251"/>
<attr value="0"/>
</attributes>
</object>
```

We're only going to need the values starting at

```
<attr value="1"/>   <attr value="239"/> <attr value="5"/>   <attr value="32"/>
<attr value="10"/> <!-- 0 -->
```

and down.
At the end of each line you see this indicates the object the values are for.
The first attr value is called X1, the second one X2, the third one Y1 and the last one Y2. I'm not sure about the 5th value, so don't change it.
All attr values stand for coordinates for the start of the box the onject is placed in. In this example I'm going to move the time object!

The string for time says:

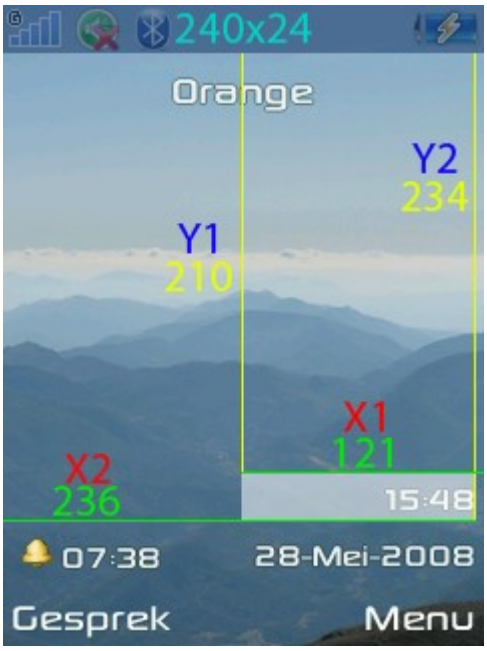
```
<attr value="121"/> <attr value="236"/> <attr value="210"/> <attr value="234"/>
<attr value="5"/> <!-- Time -->
```

X1 is the coordinate for the most left pixel of the box, starting counting from the right bound of the screen.
X2 is the coordinate for the most right pixel of the box, starting counting from the left bound of the screen.
Y1 is the coordinate for the most upper pixel of the box, starting counting from under the statusbar (!!).
Y2 is the coordinate for the most low pixel of the box, starting counting from under the statusbar (!!).

The statusbar is sized 240x24 pixels, like this:

[non-available posted image]

So, when we want to track down "Time" we do this:



The white box is now the box where the object "time" can appear.
A little calculation will show us that the box measures are:
240-236=4
X2-4 => 121-4=117
Y2-Y1 => 234-210=24

Measure => 117x24

Move the box

If we want to move this box, we will have to change the values!
For example, I want the time to be at the total right top!
AH! That will mean that x2 can stay the same, x1 aswell! Y2 and Y1 will have to be changed.

In the total top => Y1=1 and Y2 will be 24 pixels more than Y1 means Y2=1+24=25
Wohoo! Let's change the values! Change the values and upload it to your phone in tps/system/layout
USE SEARCH FOR A TUTORIAL FOR UPLOADING (XS++ and JDFlasher can do that job)

Some more examples:

[non-available posted image]

Removing the operator logo
One of the most annoying objects on the standby screen will probably be the operator logo. Don't worry! We can remove it :D. Its very easy.

Find this line in your layout.xml:

```
<attr value="1"/>   <attr value="239"/> <attr value="5"/>   <attr
value="[b]32[/b]"/>  <attr value="10"/> <!-- 0 -->
```

It's in the same region, under " <object name="StatusIndication"> "
Now change the value **32** to -10 .
There you go! No more operator logo!
You can test your new layout here:
http://mike.thedt.net/temp/layout.php

Removing the scrollbars
(Attention! Removes every scrollbar in your phone.)
This one can be very usefull aswell :) After doing this every scrollbar in the whole phone will be gone (so in fullscreen menus aswell)

Search for this line:

```
<attr value="1"/>   <attr value="239"/> <attr value="34"/>  <attr value="56"/>  <attr value="10"/> <!-- 1 -->
```

(right under the line we just edited to remove the operator logo :))
Change the value **56** to -10 and say bye bye to the scrollbars ;)

Changing fontsizes
Another funky thing we can change are the fontsizes! The in the example used font for the big clock is FontE_40R.
The fonts for the clock, alarm, date and so on are set in the first part of the section we just edited (under "SatusIndication") and it looks like this:

```
          <!-- Main display text attr -->
          <attr value="FontE_24R"/>  <!-- Large font -->
          <attr value="FontE_20R"/>  <!-- Small font -->
          <attr value="FontE_100R"/> <!-- Large 24h font -->
          <attr value="FontE_75R"/>  <!-- Large 12h font -->
          <attr value="FontE_40R"/>  <!-- Large 12h AM/PM font -->
          <attr value="FontE_20R"/>  <!-- Time/Date font -->
```

As you might have figured FontE_100R is the biggest font, bigger does not fit on the screen ;)
Basically FontE_1R should be the smalles font, but FontE_8R is about the smallest fontsize that is still readable.
In my example above I used the font size FontE_40R for the big clock in the upper right corner of my display.
You can set any value for the fontsize you want :)

Extra:
Fontsize for the softkeys.

The fontsize for the softkeys is set in the object "Softkeys" in layout.xml and it looks like this in default mode:

```
<object name="SoftKeys">
   <settings>
           <sett name="FontType" value="FontE_24R"/>
           <sett name="RowHeight" value="30"/>
           <sett name="TopOffset" value="2"/>
           <sett name="TitleHeight" value="0"/>
           <sett name="TitleTopOffset" value="0"/>
           <sett name="TitleMode" value="1"/>
           <sett name="OverlayStyle" value="0"/>
           <sett name="YPos" value="290"/>
           <sett name="Height" value="30"/>
           <sett name="YRelatively" value="0"/>
   </settings>
   <settings orientation="1">
           <sett name="FontType" value="FontE_24R"/>
           <sett name="XPos" value="205"/>
           <sett name="YPos" value="0"/>
           <sett name="Width" value="115"/>
           <sett name="Height" value="240"/>
   </settings>
   <settings orientation="1" layout="1">
           <sett name="FontType" value="FontE_24R"/>
           <sett name="XPos" value="205"/>
           <sett name="YPos" value="0"/>
           <sett name="Width" value="115"/>
           <sett name="Height" value="240"/>
   </settings>
</object>
```

As you can see size 24 is default. I use size 15 in my own phone.
The first line sets the font size for softkeys when using your phone is **portraid** mode.
The second part of the object sets the size for the softkey text when viewing stuff (like pictures) in **landscape** mode.
Just as with the other fontsizes you can change these values. (i would recommend not smaller than 8 and not bigger than 25)

Moving the status indication icons!

(battery, signal, silent mode, 3G icon, bluetooth icon, etc.)

Moving the status indication icons works the same way as moving the time, date, and so on. Check above for how to edit the values!

```
<object name="StatusRow">
   <settings>
           <sett name="FontType" value="FontE_14B"/>
           <sett name="RowHeight" value="14"/>
           <sett name="TopOffset" value="0"/>
           <sett name="OverlayStyle" value="0"/>
           <sett name="YPos" value="0"/>
```

```
          <sett name="Height" value="24"/>
   </settings>
   <settings orientation="1">
          <sett name="Height" value="0"/>
   </settings>
   <attributes count="71">
          <attr value="96"/>  <!-- Time [url="/products/x1"]x1[/url] -->
          <attr value="136"/> <!-- Time x2 -->
          <attr value="7"/>   <!-- Time y1 -->
          <attr value="23"/>  <!-- Time y2 -->
          <!-- Status icon (x1, x2, y1, y2, align, field) -->
          <attr value="11"/> <!-- Nbr icons -->
          <attr value="0"/>   <attr value="240"/> <attr value="0"/>   <attr value="320"/> <attr value="1"/>
<attr value="0"/>
          <attr value="71"/>  <attr value="96"/>  <attr value="1"/>   <attr value="23"/>  <attr value="1"/>
<attr value="1"/>  <!-- 3G -->
          <attr value="214"/>  <attr value="239"/>  <attr value="1"/>   <attr value="23"/>  <attr
value="1"/>  <attr value="1"/>  <!-- NoSound -->
          <attr value="188"/>  <attr value="214"/> <attr value="1"/>   <attr value="23"/>  <attr value="1"/>
<attr value="1"/>  <!-- BT -->
          <attr value="162"/> <attr value="188"/> <attr value="1"/>   <attr value="23"/>  <attr value="1"/>
<attr value="1"/>  <!-- Java -->
          <attr value="136"/> <attr value="162"/> <attr value="1"/>   <attr value="23"/>  <attr value="1"/>
<attr value="1"/>  <!-- MP/Radio -->
          <attr value="110"/> <attr value="136"/> <attr value="1"/>   <attr value="23"/>  <attr value="1"/>
<attr value="1"/>  <!-- Msg -->
          <attr value="1"/>   <attr value="31"/>  <attr value="1"/>   <attr value="23"/>  <attr value="18"/>
<attr value="2"/>  <!-- Signal -->
          <attr value="32"/> <attr value="70"/> <attr value="1"/>   <attr value="23"/>  <attr value="5"/>
<attr value="3"/>  <!-- Batt icon -->
          <attr value="32"/> <attr value="70"/> <attr value="1"/>   <attr value="23"/>  <attr value="1"/>
<attr value="4"/>  <!-- Charge -->
          <attr value="0"/>   <attr value="240"/> <attr value="0"/>   <attr value="25"/>  <attr value="1"/>
<attr value="5"/>  <!--  -->
   </attributes>
</object>
```

Changelog:
28-05-2008: Initial release
31-05-2008: Added **original** layout.xml for w580i, s500i, w850i, K790, K800, K810.
01-06-2008: Added fonts description
31-08-2008: Added status bar icons tutorial
02-12-2008: Added Mr. T's layout tool v0.4
07-12-2008: Updated SELG to G3_v0.5 - MrT
18-01-2009: Removed SELG link, added SELE link at the header - MrT
01-08-2009 : Renamed MrThunderbird to Snowiffic :P - SWi
That's it for now!

Attached Files

LAYOUT_w850i.rar **4.15K** 384 downloads

LAYOUT_K790_K800_K810.rar **4.15K** 593 downloads

LAYOUT_W580i_S500i.rar **4.15K** 276 downloads

Layout_W880i.rar **4.31K** 308 downloads

one question though: can i move the clock inside the menu?

Nope you can't... I already tried to move the clock into the statusbar (would be soo cool) but it didn't work :(It just disappeared under the statusbar.

edeboi

Use **Sony Sketch** from diezil and activate the mode 'big clock':

```
        <attr value="70"/>   <attr value="310"/> <attr value="179"/> <attr value="279"/> <attr
value="0"/> <!-- L 24h time -->
        <attr value="121"/> <attr value="236"/> <attr value="210"/> <attr value="234"/> <attr
value="5"/> <!-- Time -->
        <attr value="118"/> <attr value="234"/> <attr value="238"/> <attr value="262"/> <attr
value="5"/> <!-- Date -->
```

```
<attr value="FontE_40R"/> <!-- Large 24h font -->
```

Heres the final Result :



photographer

Posted 15 June 2008 - 09:33 AM

You need to set the clock to big or small in options.
When u want to move the small clock use the "Time" string. When you want to move the big time use the "L 24H" string.

i want the font at size 18 or 20 but if i change the FontType value to 18 or 20 the time disappears??? any ideas?

Yeah then you need to make it's box bigger.
If anything is too small it will just dissapear.

I think the X1 value is from the left side and not from the right.

photographer

Posted 26 October 2008 - 07:34 PM

for the left status indications X1 is from the left side indeed

http://www.topsony.com/forum/layout-fonts-f40/how-hide-remove-operator-logo-t12606.html