**This document instruct to make deb-package from speed freak application**

1. First you need to compile your project for armel.

[sbox-FREMANTLE\_ARMEL: ~] > cd SpeedFreak

[sbox-FREMANTLE\_ARMEL: ~/ SpeedFreak] > qmake

[sbox-FREMANTLE\_ARMEL: ~/ SpeedFreak] > make

1. Create tree of debian package

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreak] cd ..

[sbox-FREMANTLE\_ARMEL: ~] > mkdir SpeedFreakApplication

[sbox-FREMANTLE\_ARMEL: ~] > mkdir SpeedFreakApplication/DEBIAN

1. You'll need to create a control file for your package using a simple text edit. In this post I use the **Vi.**

[sbox-FREMANTLE\_ARMEL: ~] > vi SpeedFreakApplication/DEBIAN/control

1. Paste the following lines in to the control file and save file.

Package: SpeedFreak

Priority: optional

Version: 1.0

Architecture: all

Maintainer: Your Name <yourname@gmail.com>

Description: This is a SpeedFreak Application

1. Go to SpeedFreakApplication folder and create folder below.

[sbox-FREMANTLE\_ARMEL: ~] > cd SpeedFreakApplication/

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication] > mkdir usr

1. Go to usr folder and create folders below.

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication] > cd usr/

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr] > mkdir bin

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr] > mkdir lib

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr] > mkdir share

1. Go to share folder and create folders below.

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr] > cd share/

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr/share] > mkdir applications

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr/share] > mkdir pixmaps

1. Go to applications folder and create folder below.

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr/share] > cd applications

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr/share/applications] > mkdir hildon

1. Go to hildon folder and create .desktop file that the **Maemo** uses to put application at Menu. Use a simple text edit. In this post I use the **Vi.**

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr/share/applications] > cd hildon

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreakApplication/usr/share/applications/hildon] > vi speedfreak.desktop

1. Paste the following lines to the speedfreak.desktop file and save file.

[Desktop Entry]

Categories=Qt;

Encoding=UTF-8

Version=0.1

Type=Application

Name=SpeedFreak

Exec=/usr/bin/speedfreak

Icon=speedfreak

1. Now you must go back to your project folder which compiled at the first in this instructions. In this case it is SpeedFreak. Copy executable file speedfreak

[sbox-FREMANTLE\_ARMEL: ~] > cd SpeedFreak

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreak] > ls

Here comes listed all files in your project file.

1. Copy the executable file speedfreak to /usr/bin folder. This executable is called by speedfreak.desktop at line **Exec=/usr/bin/speedfreak** on the file described above.

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreak] > cp speedfreak ../SpeedFreakApplication/usr/bin/

1. Next copy all .cpp, .h, .ui and .pro files from your project folder in this case called SpeedFreak to the SpeedFreakApplication/usr/lib/ folder. This is recommended but not required.
2. Next you need to copy speedfreak.png file to the **/usr/share/pixmaps/** folder. This image is called by **speedfreak.desktop** at line **Icon=speedfreak** on the file described above. File speedfreak.png will found from project folder’s in this case called SpeedFreak Graphics folder.
3. So that you get all icons and graphical items included also in deb-package, you need to copy from project folder’s Graphic folder in to the SpeedFreakApplication’s folder.
4. Create deb-package

[sbox-FREMANTLE\_ARMEL: ~/SpeedFreak] > cd ..

[sbox-FREMANTLE\_ARMEL: ~] > dpkg-deb -b SpeedFreakApplication

1. Send the package to Maemo device

[sbox-FREMANTLE\_ARMEL: ~] > scp SpeedFreakApplication.deb root@10.0.0.13:/home/user/

where 10.0.0.13 is your maemo device’s ip address

1. Install the Deb Package at Maemo Device

[sbox-FREMANTLE\_ARMEL: ~] > ssh root@10.0.0.13 dpkg -i /home/user/SpeedFreakApplication.deb

where 10.0.0.13 is your maemo device’s ip address

NOW APPLICATION SHOULD BE INSTALLED TO MAEMO DEVICE!

Finally the file tree for clarifying the SpeedFreakApplication folder