

Installing GPUTILS and SDCC on FC5

This is just a clone of the gentoo details but specific for FC5. Should work for anything with yum and rpm.

install GPUTILS

the FC5 'extras' repository has a gputils package, so we can install it with:

```
yum install gputils
```

Install SDCC 2.5

yum didn't find a package for SDCC 2.5, so lets install it from an RPM. Download a 2.5.0 RPM from:

[RPMFind SDCC search](#) (I used "sdcc-2.6.0-1mdk.i586.rpm").

and install it (either with 'rpm -ivh <filename>' or by opening it with the package installer from the firefox download window and following onscreen instructions.

Testing it all

* download http://www.ucapps.de/mios/clockbox_v1_0.zip.

```
unzip clockbox_v1_0.zip
cd clockbox_v1_0
make
```

Output should look like:

```
gpasm -c -DSTACK_HEAD=0x37f -DSTACK_IRQ_HEAD=0x33f -I mios_wrapper
mios_wrapper/mios_wrapper.asm -o _output/mios_wrapper.o
sdcc -S -mpic16 -p18F452 --fstack --fommit-frame-pointer --optimize-goto --
optimize-cmp --disable-warning 85 --obanksel=2 -pleave-reset-vector -
DDEBUG_MODE= main.c -o _output/main.asm
Processor: 18F452
perl tools/fixasm.pl _output/main.asm
gpasm -c _output/main.asm -o _output/main.o
sdcc -S -mpic16 -p18F452 --fstack --fommit-frame-pointer --optimize-goto --
optimize-cmp --disable-warning 85 --obanksel=2 -pleave-reset-vector -
DDEBUG_MODE= mclock.c -o _output/mclock.asm
Processor: 18F452
perl tools/fixasm.pl _output/mclock.asm
```

Last update: 2007/08/14 18:50 installing_gputils_and_sdcc_on_fedora_core_5 http://wiki.midibox.org/doku.php?id=installing_gputils_and_sdcc_on_fedora_core_5

```
gpasm -c _output/mclock.asm -o _output/mclock.o
sdcc -S -mpic16 -p18F452 --fstack --fommit-frame-pointer --optimize-goto --
optimize-cmp --disable-warning 85 --obanksel=2 -pleave-reset-vector -
DDEBUG_MODE= pic18f452.c -o _output/pic18f452.asm
Processor: 18F452
perl tools/fixasm.pl _output/pic18f452.asm
gpasm -c _output/pic18f452.asm -o _output/pic18f452.o
gplink -s project.lkr -m -o project.hex _output/mios_wrapper.o
_output/main.o _output/mclock.o _output/pic18f452.o
perl tools/hex2syx.pl project.hex
Block 003000-0033FF allocated - Checksum: 62
Block 003400-0037FF allocated - Checksum: 52
Block 003800-003BFF allocated - Checksum: 07
Block 003C00-003FFF allocated - Checksum: 73
rm _output/main.asm _output/mclock.asm _output/pic18f452.asm
```

From:
<http://wiki.midibox.org/> - **MIDIbox**

Permanent link:
http://wiki.midibox.org/doku.php?id=installing_gputils_and_sdcc_on_fedora_core_5

Last update: **2007/08/14 18:50**

