

需要移植一下库：

1、zlib-1.1.4.tar.gz

2、libid3tag-0.15.1b.tar.gz

3、libmad-0.15.1b.tar.gz

4、madplay-0.15.2b.tar.gz

建立文件夹：

```
mkdir /xydzz/madplayer/madplayer -p
```

```
mkdir /xydzz/madplayer/include
```

```
mkdir /xydzz/madplayer/lib
```

1) 将 zlib-1.1.4.tar.gz 拷贝到/xydzz/madplayer/并解压：

跳转到解压后的目录

```
[root@localhost zlib-1.1.4]# pwd
/xydzz/madplayer/zlib-1.1.4
[root@localhost zlib-1.1.4]# mkdir tmp
```

```
# mkdir tmp
```

```
# ./configure --prefix=/xydzz/madplayer/zlib-1.1.4/tmp
```

修改 Makefile:

15 行: CC=arm-linux-gcc

31 行: AR=arm-linux-ar rc

32 行: RANLIB=arm-linux-ranlib

```
#make && make install
```

在 tmp 中将 include lib 的所有文件拷贝到相应的/xydzz/madplayer/include

/xydzz/madplayer/lib

```
[root@localhost zlib-1.1.4]# cp ./tmp/include/* ../include/
[root@localhost zlib-1.1.4]# cp ./tmp/lib/* ../lib/
```

2) 将 libid3tag-0.15.1b.tar.gz 拷贝到/xydzz/madplayer/并解压，跳转到解压

目录

```
[root@localhost libid3tag-0.15.1b]# pwd
/xydzz/madplayer/libid3tag-0.15.1b
[root@localhost libid3tag-0.15.1b]# mkdir tmp
```

```
# mkdir tmp
```

```
# ./configure CC=arm-linux-gcc
```

```
--prefix=/xydzz/madplayer/libid3tag-0.15.1b/tmp --host=arm-linux
```

```
CPPFLAGS=-I/xydzz/madplayer/include LDFLAGS=-L/xydzz/madplayer/lib
```

```
# make && make install
```

在 tmp 中将 include lib 的所有文件拷贝到相应的 /xydzz/madplayer/include
/xydzz/madplayer/lib

```
[root@localhost libid3tag-0.15.1b]# cp tmp/include/* ../include/
[root@localhost libid3tag-0.15.1b]# cp tmp/lib/* ../lib
```

3) 将 libmad-0.15.1b.tar.gz 拷贝到 /xydzz/madplayer/ 并解压, 跳转到解压目录

```
[root@localhost libmad-0.15.1b]# pwd
/xydzz/madplayer/libmad-0.15.1b
[root@localhost libmad-0.15.1b]# mkdir tmp
```

```
# mkdir tmp
```

```
# ./configure CC=arm-linux-gcc
```

```
--prefix=/xydzz/madplayer/libmad-0.15.1b/tmp --host=arm-linux
```

```
CPPFLAGS=-I/xydzz/madplayer/include LDFLAGS=-L/xydzz/madplayer/lib
```

```
# vim Makefile
```

129 行去除 -fforce-mem 编译选项

```
# make
```

```
# make install
```

在 tmp 中将 include lib 的所有文件拷贝到相应的 /xydzz/madplayer/include
/xydzz/madplayer/lib

```
[root@localhost libmad-0.15.1b]# cp tmp/include/* ../include/
[root@localhost libmad-0.15.1b]# cp tmp/lib/* ../lib
[root@localhost libmad-0.15.1b]# pwd
/xydzz/madplayer/libmad-0.15.1b
```

4) 将 madplay-0.15.2b.tar.gz 拷贝到/xydzz/madplayer/并解压，跳转到解压目录

```
[root@localhost madplay-0.15.2b]# pwd
/xydzz/madplayer/madplay-0.15.2b
[root@localhost madplay-0.15.2b]# mkdir tmp
```

```
# mkdir tmp
```

```
# ./configure CC=arm-linux-gcc
```

```
--prefix=/xydzz/madplayer/madplay-0.15.2b/tmp --host=arm-linux
```

```
CPPFLAGS=-I/xydzz/madplayer/include LDFLAGS=-L/xydzz/madplayer/lib
```

```
# make && make install
```

在 tmp 中将所有文件拷贝到/xydzz/madplayer/madplayer

```
[root@localhost madplay-0.15.2b]# cp tmp/* ../madplayer/ -r
```

5)

将/xydzz/madplayer/lib 所有文件拷贝到开发板根目录的 lib

```
[root@localhost madplayer]# cd /xydzz/madplayer/lib
[root@localhost lib]# ls
libid3tag.a      libid3tag.so.0      libmad.la        libmad.so.0.2.1
libid3tag.la     libid3tag.so.0.3.0  libmad.so        libz.a
libid3tag.so     libmad.a            libmad.so.0
[root@localhost lib]# cp * /xyd/rootfs/lib
[root@localhost lib]#
```

将/xydzz/madplayer/madplayer/bin/madplay 拷贝到开发板根目录的 bin

6) 启动开发板

```
# madplay HappyBirthday.mp3
```

MPEG Audio Decoder 0.15.2 (beta) - Copyright (C) 2000-2004 Robert Leslie et al.

audio: /dev/dsp: No such file or directory

7) 安装声卡驱动:

```
[root@XYD /madplayer]# insmod snd-soc-wm8960.ko
```

```
[root@XYD /madplayer]# insmod snd-soc-tiny4412-wm8960.ko
```

```
[root@XYD /madplayer]# ./fa_codec_ctrl mini210
```

8) 重新执行 madplayer

```
# madplay HappyBirthday.mp3
```