1. 配置

1.1配置声卡选项

Kernel modules --->

Sound Support --->

\*kmod-sound-core

\*kmod-sound-mtk

\*kmod-sound-soc-core

Sound --->

\*madplay-alsa

Utilities --->

\*alsa-utils

1.2打开设备树I2S，路径：

target/linux/ramips/dts/LINKIT7688.dts

将

i2s {

ralink,group = "i2s";

ralink,function = "gpio";

};

修改为

i2s {

ralink,group = "i2s";

ralink,function = "i2s";

};

1.3打开I2C

Kernel modules --->

I2C support --->

\*kmod-i2c-core

\*kmod-i2c-ralink

要注意设备树的I2C配置有没有打开

i2c@900 {

status = "okay";

};

1. 修改驱动

路径：build\_dir/target-mipsel\_24kec+dsp\_uClibc-0.9.33.2/linux-ramips\_mt7688/linux-3.18.45/sound/soc/mtk/Makefile

在Makefile文件中添加编译项，使用内部ref\_clk给wm8960提供时钟信号如下：

KBUILD\_CFLAGS += -DCONFIG\_SND\_MT76XX\_SOC

KBUILD\_CFLAGS += -DCONFIG\_I2S\_WM8960

KBUILD\_CFLAGS += -DCONFIG\_I2S\_IN\_MCLK

#KBUILD\_CFLAGS += -DCONFIG\_I2S\_MCLK\_12P288MHZ

KBUILD\_CFLAGS += -DCONFIG\_I2S\_MCLK\_12MHZ

KBUILD\_CFLAGS += -DCONFIG\_GDMA\_EVERYBODY

KBUILD\_CFLAGS += -DSURFBOARDINT\_DMA=15

1. 测试

编译好固件烧录，可使用如下指令测试

madplay xxx.mp3

aplay xxx.wav