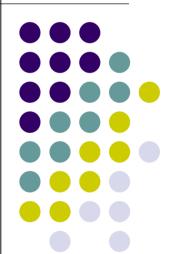
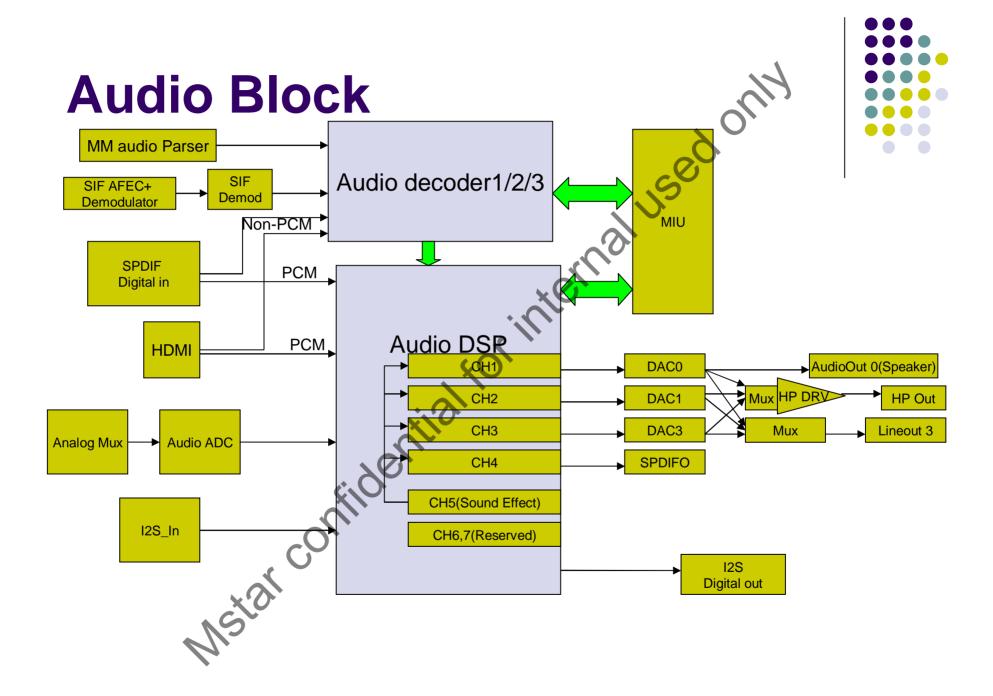
# Janus Audio System Application Guide Mstar SZ office Reli Confide 2010-1





# **Feature List**

- Supports BTSC/A2/EIA-J demodulation in NTSC and A2/NICAM/FM/AM demodulation in PAL
- Supports MTS Mono/Stereo/SAP in BTSC/EIA-J and Mono/Stereo/Dual in A2/NICAM
- Optional advanced sound available (Dolby, SRS, BBE, Q-Sound... etc)
- Support digital audio format decoding:
  - MPEG-1, MPEG-2 (Layer I/II), MP3, AC-3 Plus (Dolby Digital Plus), WMA PRO
  - AAC, RA8 LBR, FLAC, XPCM
- Input Interface

Stereo (L/R) Line-in x 6 (216pin 6M48 only used 5

Stereo (L/R) audio ADC x 1

I2S input x 1

HDMI Rx for both PCM and non-PCM format

Output Interface

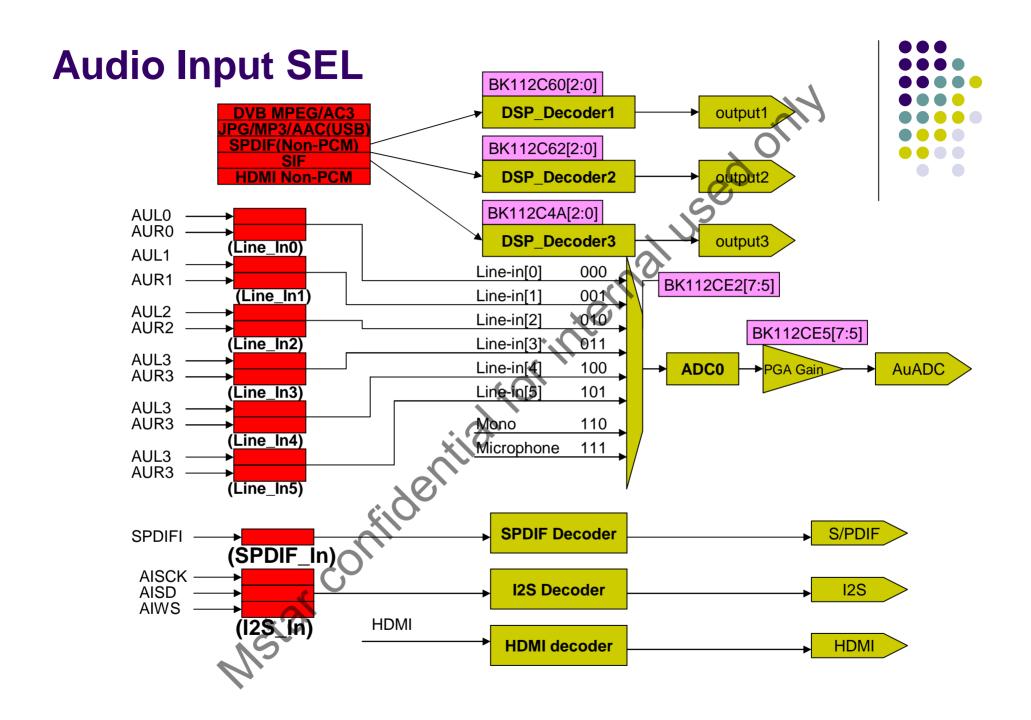
Stereo (L/R) audio DAC x 3

- 2 stereo analog audio output
- 1 stereo headphone drive DAC output

SPDIF x 1 digital output (60958 or 61937 format)

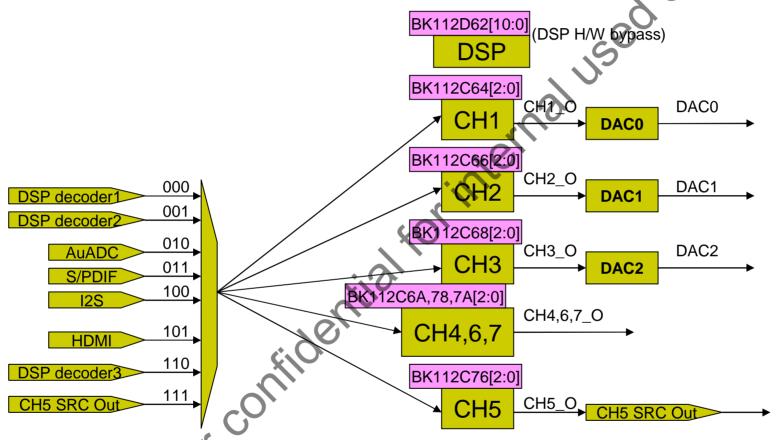
Master I2S x 1





### **Audio Channel Process**

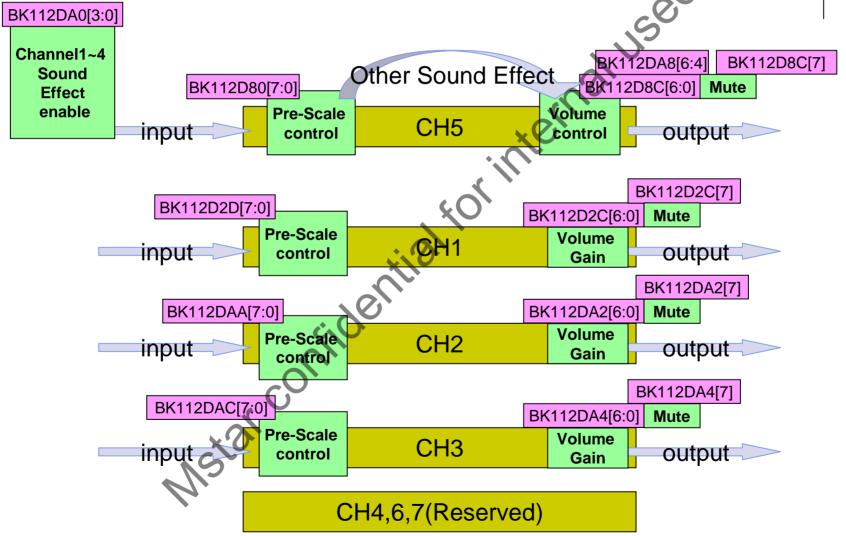




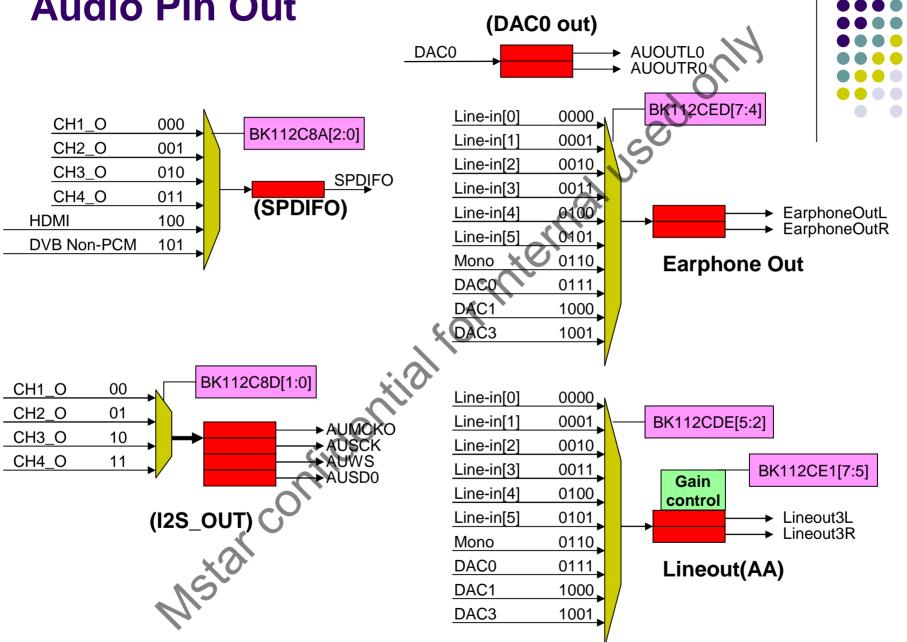
## Channel volume control

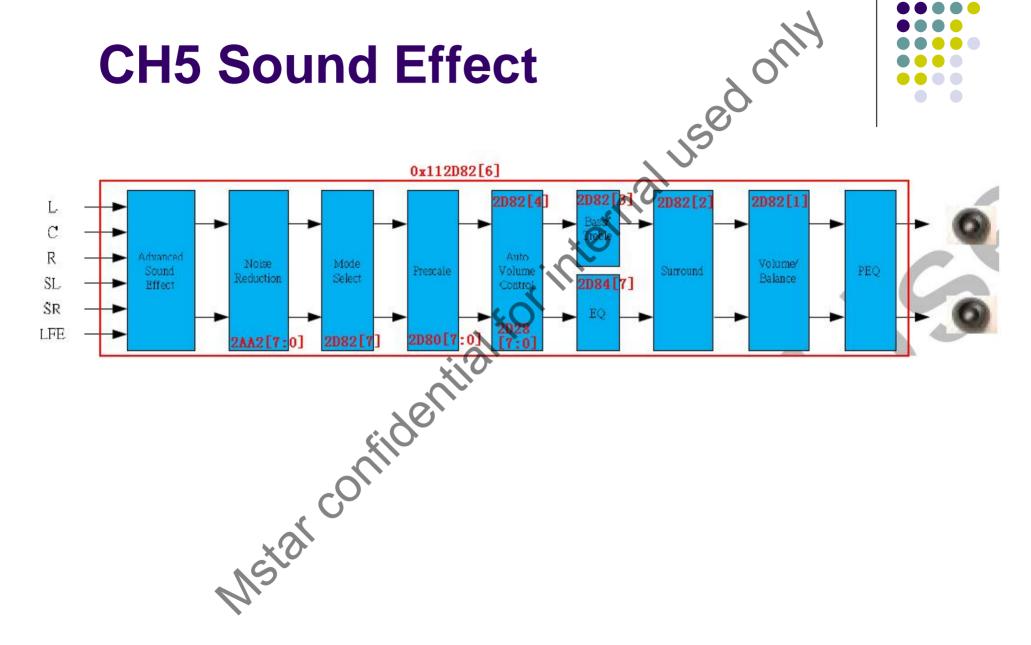
- 8 bit pre-scale control,0.125db per step
- 10 bit volume gain(7bit coarse tune, 3bit fraction tune)



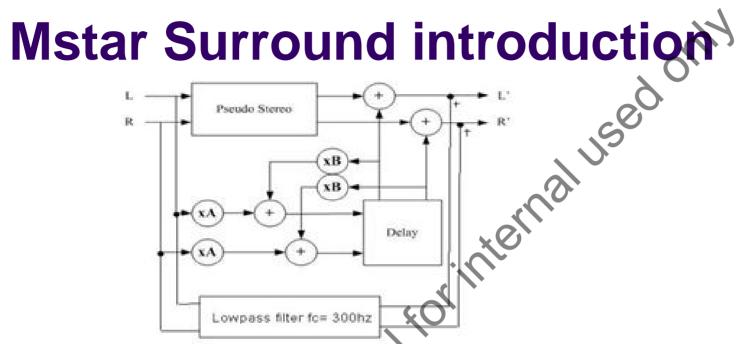


### **Audio Pin Out**









APIAudio.h to set xA, xB, xk & LPF gain value

xA: Para. xA

00: 0.1

01: 0.15

10: 0.2

11: 0.25

xB: Para.xB

00: 0.25

01: 0.3

10: 0.35

11: 0.45

xK: Surround pure gain

00: 0.1

01: 0.2

10: 0.3

11: 0.4

Surround LPF (fc = 300 Hz) compensate Gain :

00: 0 dB

01: 2 dB

10: 4 dB

11: un - support

# **Audio NR:**

Enable NR的方法

I AUDIO NR: 0X2AA2从00慢慢往上加,加到 刚好起作用后,再加5左右即可(audio NR要等一会才会起作用). 一会才会起作用).