

# PCM510X Demo Software

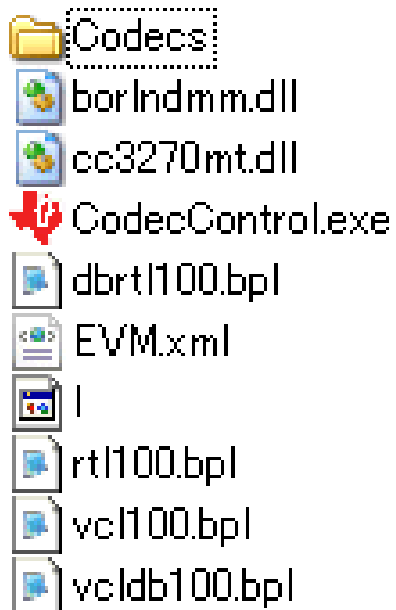
**Audio Converters Japan**

**TI High-Performance Analog Audio Products**

**2011-Apr-11**

# Contents of Directory

- CC PCM5101 Demo



Execute file, please double click.

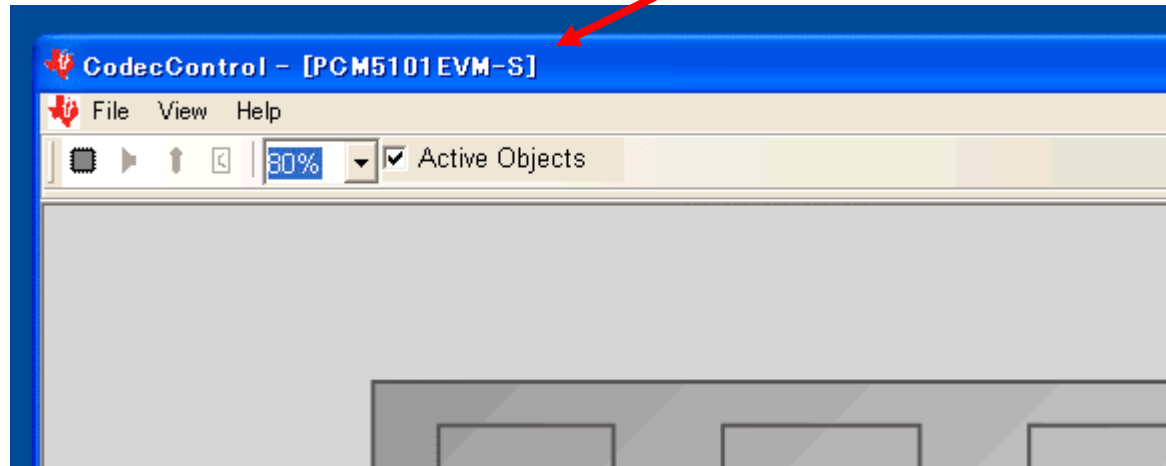
Software is getting start.

Connect EVM and PC by USB cable.



# How to control CodecControl tool

- After enumeration of TAS1020 and USB HOST, Tool recognizes EVM as PCM5101 EVM-S.



- Set up SRC4392 for DIR operation is started.
- Then PCM5101 block diagram is shown as in next page.

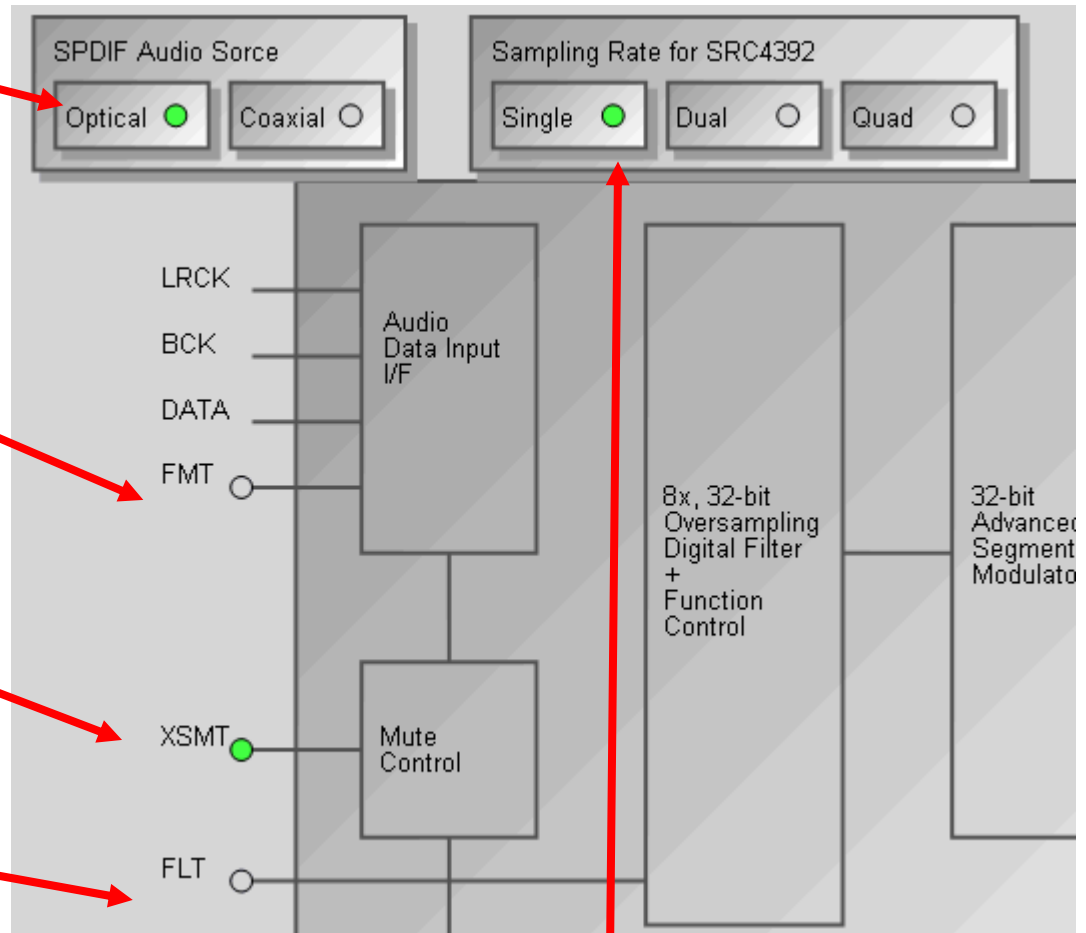
# How to control CodecControl tool

Select SPDIF input source

Select audio format. Default is I2S. After click, it changes left justified.

Select fade-out (Mute) or fade-in (un Mute). Default is un Mute.

Select normal 8x filter or low latency 8x filter



Select SRC4392 sampling frequency (48kHz, 96kHz, 192kHz) .

# SPDIF Audio Source switch

Green light OFF : Not selected

Green light **ON** : **Selected**

Default : Optical



Coaxial : Click Coaxial button

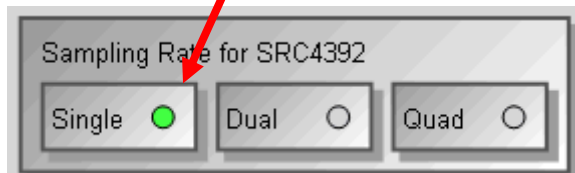


# Sampling Frequency Select for SRC4392

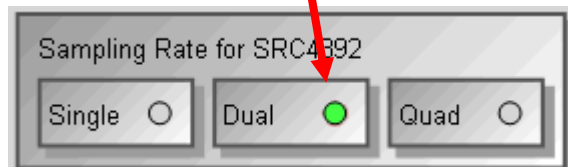
Green light OFF : Not selected

Green light **ON** : **Selected**

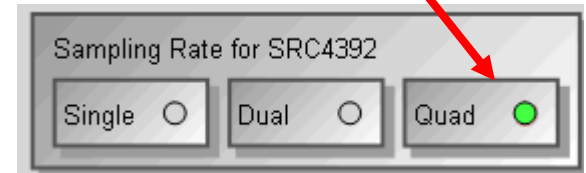
Default is Single  
(48kHz) rate



Dual (96kHz) : Click  
Dual button



Quad (192kHz) : Click  
Quad button



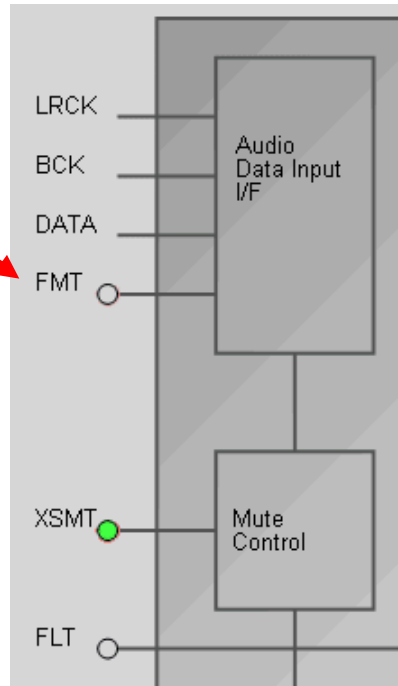
# How to control CodecControl tool (FMT)

Green light OFF : Low level

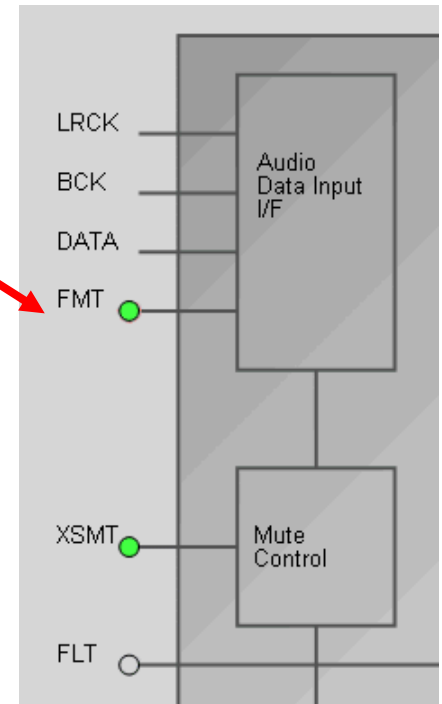
Green light **ON** : High level

FMT 16pin : Audio format selection  
I2S = Low  
Left justified = High

Default is I2S, then  
FMT is driven to  
Low



Click FMT button,  
then Left Justified is  
selected. And FMT  
is driven to High



FMT selection works on the fly

# How to control CodecControl tool (XSMT)

Green light OFF : Low level

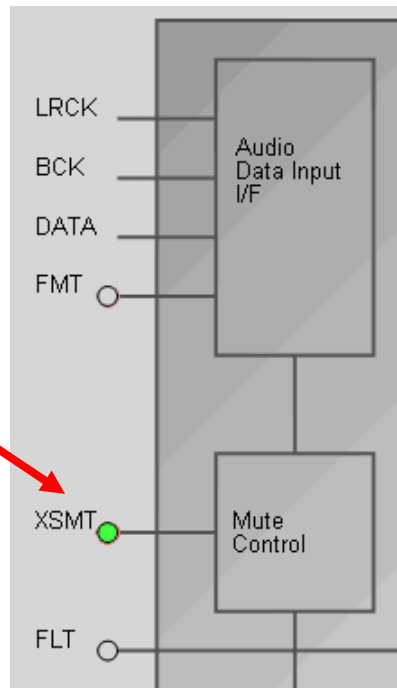
Green light **ON** : High level

XSMT 17pin : Soft Mute Control

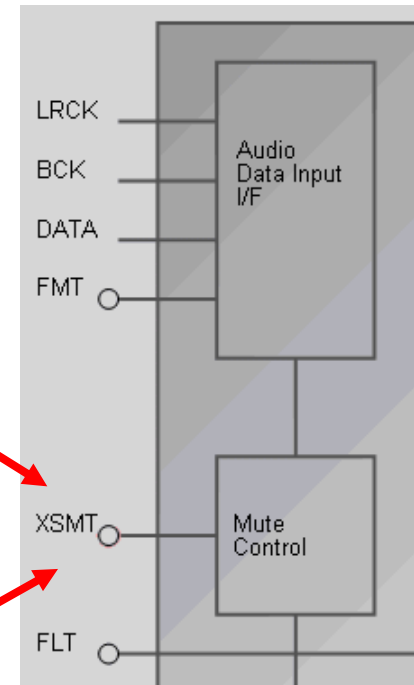
Soft Mute = Low

Soft un Mute = high

Default is un Mute.  
XSMT is driven to High.



Click XSMT button,  
then Soft Mute  
starts. And XSMT  
is driven to Low



Click XSMT button  
at Soft Mute, then  
Soft un Mute starts.



# How to control CodecControl tool (FLT)

Green light OFF : Low level

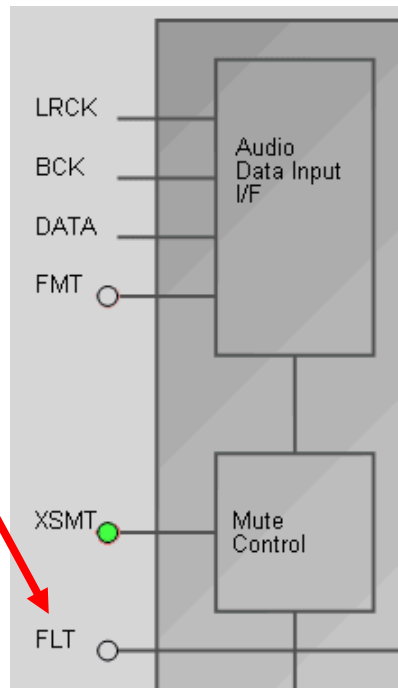
Green light **ON** : High level

FLT 11pin : Filter select

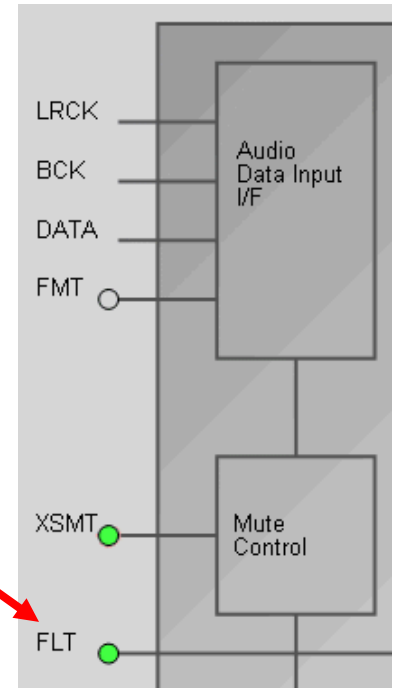
Normal latency (FIR) = Low

Low latency (IIR) = High

Default is normal  
8x filter. FLT is  
driven to Low



Click FLT button,  
then low latency 8x  
filter is selected.  
And FLT is driven  
to High



FLT selection works on the fly