## TAS5721 EVM + PPCMB setup

# Install PPC 1.16

- Download and install Purepath Console 1.16 on the PC.
- More info about this software in this <u>link</u>.

#### PurePath Console 1

Supported Devices: PCM5142, PCM5548/58, TAS5612A, TAS5721xx, TAS5729xx, TAS5731 and TAS5760xx.

Software										
File	Description	Version	Date	Size						
setup_PurePathCons ole_Main_v1.16_rev3 5470.exe	PPC1 Software	1.16.354 70	13-Mar-15	30 MB						
PurePathConsole_Qu ick_Start_Users_Guid e.pdf	PPC1 Quick Start User's Guide	140527	27-May-14	1.3 MB						
fix_winsound.zip			22-Jan-15	431 B						
PurePath_Console_v 1.16_manifest.html	PPC1 License Manifest		11-Jun-15	18.5 KB						

# Start PPC 1.16



 Please click 'PurePath Console 1.16' in Windows Start menu

# Select TAS5721\_PPCMB plugin



Select 'TAS5721\_PPCMB' in the 'Target Selection' tab, and click 'Open'.

# TAS5721 GUI



- You will get the right GUI
  - The input source can be switched to USB/OPT/COAX by clicking the icon in the red circles.

## TAS5721 I2C access

	PurePatl	urePath Console					-	<b>- x</b>
w								
TAS5721xx EVM TAS5721xx Block Diagram TAS5721xx Process Flow	Direct I <sup>2</sup> C Access	Registers	Reference '	Viewer				
- Direct I <sup>2</sup> C Pood Al/rite		- ovice I <sup>2</sup> C Addrey	<b>cc</b>		Pogistor Dum	n		
Data 6		Sot	0x36		Destination	Output Window	Burst 1	
			TLOFO		Coloritor			
Address 0x0		I'C Logging	II CFG		Selection	All Coefficients		
Length 1 Read Write		Firmware	FWID		Format	TI CFG 🔹		Dump
Outout		ommand Buffer	Interface					
Loading init cfg		Command Buffe	ar Interface	I <sup>2</sup> C Loc	naina History	Command Window		
Executing Command			er internace	1 0 100	ging matory			
Executing Finished Done								
Starting RunAllPFCs.								
Loading C:\Users\a0222948\My Documents\Texas Instruments Inc\PurePath (	Console							
1.16\largetLibrary\IAS5/21_PPCMB\PCM9211_Usb.ctg								
Executing Finished								
Done.								
Loading C:\Users\a0222948\My Documents\Texas Instruments Inc\PurePath (	Console							
Fxecuting Command								
Executing Finished								
Done.								
Loading C:\Users\a0222948\My Documents\Texas Instruments Inc\PurePath ( 1.16\TargetLibrap\TAS5721_PPCMR\AIC3262_HP_Digital.cfg	Console							
Executing Command								
Executing Finished								
Done.								
Executing Command	-	_	_		_		_	
Save	Clear	Load	Save		Execute	Clear		
								▶ ►
Uisconnect Connected to USB. Set Windows audio device to USB-Audi	oEVM.							<u>ان</u>

• Select the 'Direct I2C Access' page, and type '0x00' in 'Address' column. Click 'Read', and the read-back 'Data' should be '0x6C', which means I2C communication is good.

# TAS5721 BQ/DRC/Volume



In 'TAS5721xx Process Flow' Page, detailed setting can be configured by right-clicking on 'BQ'/'DRC'/'Volu me' icon.

## TAS5721 Shutdown & Mode & MUX



- Entering/exiting
  shuntdown mode
  can be selected in
  the blue circle.
  And output Mode
  can be selected in
  the green circle.
- The MUX can be configured after double-clicking the icon.