

Get Setting File

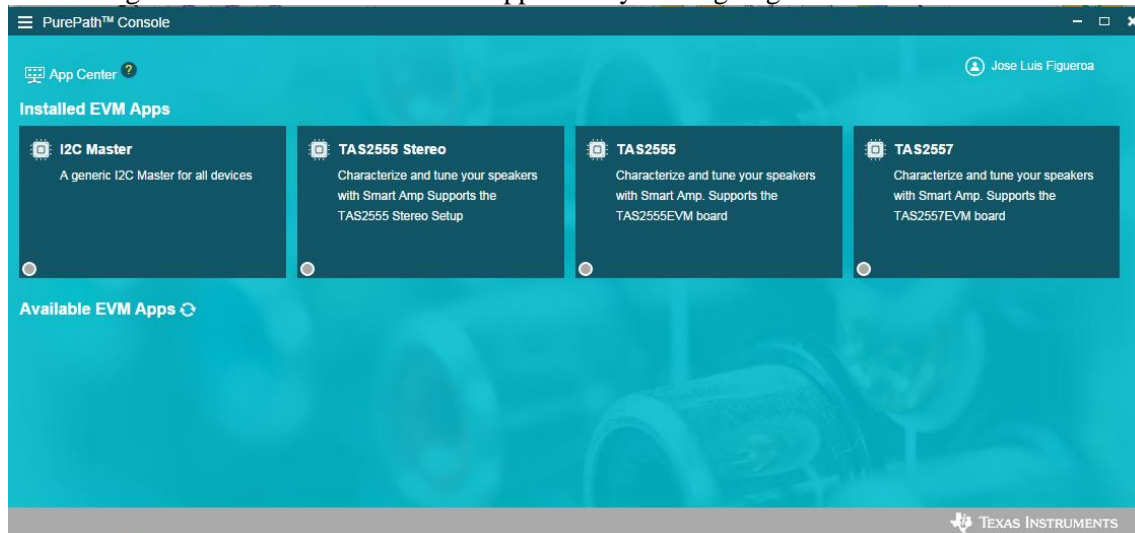
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ASC-AMPS-Low Power Audio and Actuators

This section only indicates how to get the setting file through PPC3.

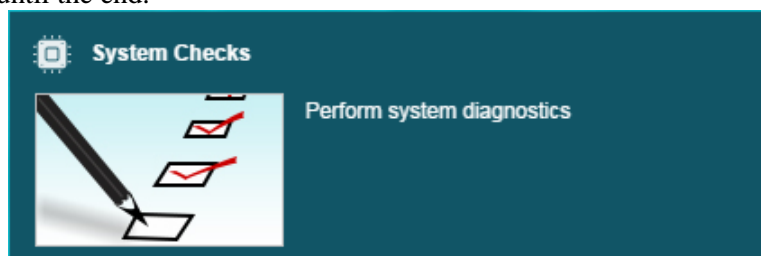
In this guide doesn't explain how to do the characterization and tuning process with PPC3. You need to make this process before beginning this section.

2.1 Login in PPC3 and select device App which you are going to work.



2.2 Enter to “System Checks”. Follow all the instruction until finishing them.

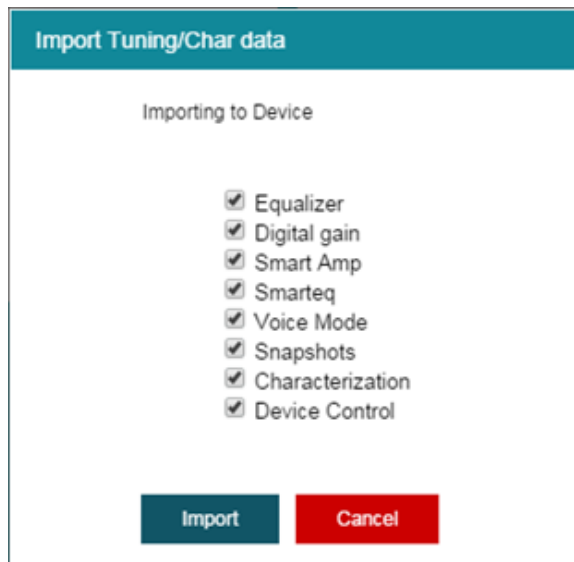
Note: That shows you some errors if you aren't connecting an EVM. You just follow the instruction until the end.



2.3 Enter to the option “**Tuning and Audio Processing**”. The next step is to select “**Tuning Mode**”.

Select Audio Mode		
ROM Mode 1	ROM Mode 2	Tuning Mode
✓	✓	✓
✗	✓	✗
✓	✓	✓
✓	✓	✓
✓	✓	✓
✗	✗	✓
✗	✗	✓
✗	✗	✓
✗	✗	✓
✗	✗	✓
✗	✗	✓
✗	✗	✓
✗	✗	✓
✗	✗	✓
Select	Select	Select

2.4 Find and select the option “**Import**” in the next window. Add PPC3 Characterization and tuning file and select all the options.



2.5 In the main page to enter to “**End System Integration**”. Select “**Dump the Binary file**” in the next window.

2.6 Choose the setting to create the binary file and Press “Add”.

App Center > TAS2555 Home > End System Integration

Select Your Option > **Dump Binary File**

Configuration Selection

Choose the settings to create the binary file

Application: Tuning Mode

Sampling Frequency: 48 KHz

Clock Source: MCLK

Clock Frequency: 12.288 MHz

Application	Sampling Frequency	Clock Source	Clock Frequency	Base

Burst Size (Bytes): 128

I2C slave address: 0x98

Add

Prev Please ensure that the clock source is atleast 1.36 MHz for both Music and Voice modes for SmartAmp application (Tuning Mode) Next

2.7 Select “Take Snapshot” in the next window and follow the instruction to choose path to save binary files.

2.8 Add the limit values indicated by the client and press “Dump”. This action generates the binary files.

PurePath™ Console -TAS2557

App Center > TAS2557 Home > End System Integration

Select Your Option > **Dump Binary File**

Factory Test and Calibration

Characterization Parameters

Re	: 6.7 Ohm	CMWF	: 891 Hz	BI	: 0.814 Tm	Mms	: 0.0667 g
Rtv	: 63.4 KW	Rtm	: 566.7 KW	Rtva	: 136 KW	System Gain(DAC+Amp)	: 9.35 Volt/FS
Device Non-linearity	: 1.5 %	Thermal Limit	: 80 Δ°C	PIG	: 1 (dB)	Temperature Coefficient	: 0.0033 K-1
Sampling Frequency	: 48000 Hz						

Pass / Fail Limits

Re High	7.975 Ohm	Re Low	6.525 Ohm	F0 High	924 Hz	F0 Low	616 Hz
Q High	1.704	Q Low	1.136	Temperature High	40 Δ°C	Temperature Low	0 Δ°C

Prev **Dump**