

Onboard Microphone Recording : MIC → PGA → MAL → HPL/LOL

Jumper Settings

W1 – 2-3

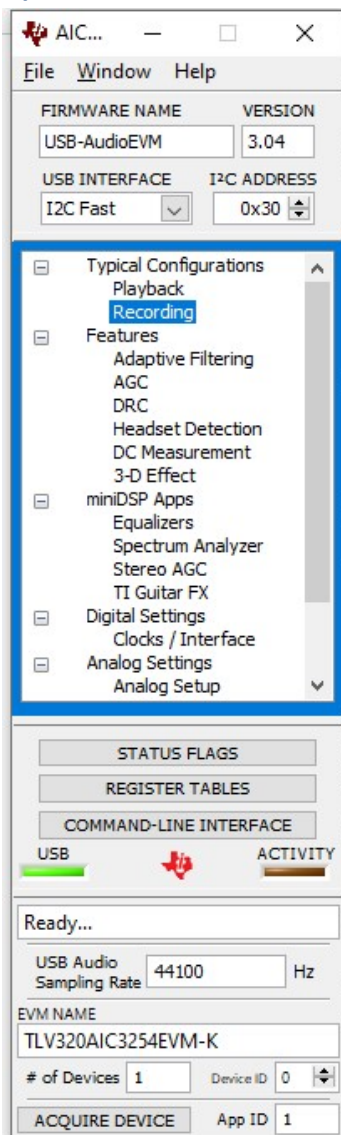
W5/W6/W7/W2/W3 – Installed

W8 – 2-3

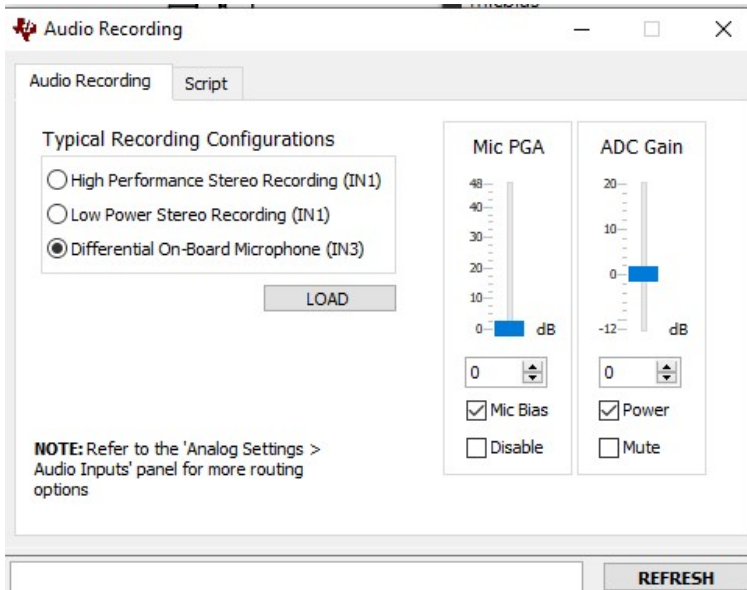
W4 – Removed

Procedure

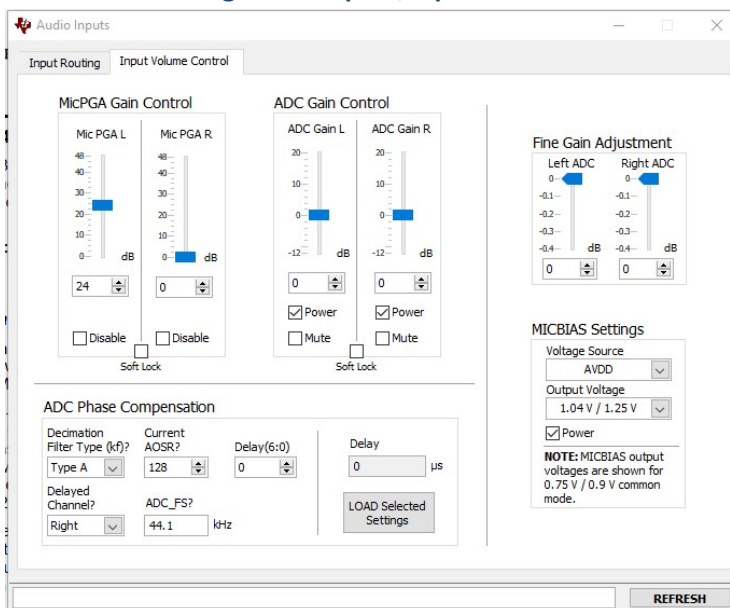
1. Open GUI – Ensure USB LED is green and USB Audio Sample Rate is valid as shown



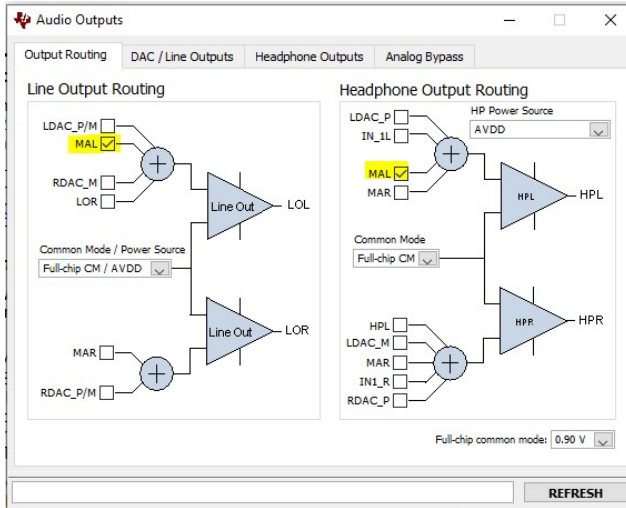
2. Open Recording Panel from Typical Configurations; select Differential On-Board Microphone; click LOAD to program Device.



3. Set PGA Gain using Audio Inputs/Input Volume Control



4. Set Mixer Amplifier Left (MAL) as the LOL and HPL Inputs



5. Power Line and HP outputs

This section contains three screenshots of the 'Audio Outputs' configuration window, each showing a different tab: 'DAC / Line Outputs', 'Headphone Outputs', and 'Analog Bypass'.
 1. The first screenshot shows the 'DAC / Line Outputs' tab. It includes 'DAC Data Source' (Left/Right DAC Datapath), 'DAC Settings' (Auto Mute Time, DAC Volume, RDAC output when powered down, DAC Channel Lock), and gain controls for DAC Output Gain (L/R) and Line Output Gain (L/R). The 'Power' checkboxes for the Line Output Gain controls are checked and highlighted in yellow.
 2. The second screenshot shows the 'Headphone Outputs' tab. It includes 'HP Output Mode' (HPL/HRR Class-AB), 'HP Output Gain Control' (HPL/HRR PGA Gain), 'HP Driver Startup Control' (Soft routing step time, HP amps slow powerup time), and 'Overcurrent Protection' (Enabled, Debounce Control, Action). The 'Power' checkboxes for the HP Output Gain controls are checked and highlighted in yellow.
 3. The third screenshot shows the 'Analog Bypass' tab. It includes 'IN1 to HP Outputs Bypass' (IN1_L to HPL, IN1_R to HPR) and 'Mixer Amplifier Control' (MAL/MAR Gain). The 'Power' checkboxes for the Mixer Amplifier Gain controls are checked and highlighted in yellow.
 Each screenshot has a 'REFRESH' button at the bottom.

6. Observe/Listen to Line Out/HP Out on scope/headphones.