

Read the datasheet and you will understand.

You must limit the AC voltage swing to stay within 1.8V and $V_{\text{supply}} - 1.2\text{V}$.

In your case with V_{supply} of 8V, your maximum swing is 1.8V to 6.8V, that is 5V.

With an assumed output current of 2.3mA, this results in a maximum R_{iv} of 2k17 ($5\text{V}/2.3\text{mA}$).

You need a biascurrent of 0.828mA ($1.8\text{V}/R_{\text{iv}}$), so I_{ref} needs to be 0.414mA, resulting in a R_{ref} of 5k31 ($2.2\text{V}/I_{\text{bias}}/2$)

I would advise to select $R_{\text{iv}} < 2\text{k}17$ and to use a pot for the bias.

Adjust the pot such that with no music playing the output voltage on pin 6 and 8 is in the middle of your DC voltage compliance range, in your case $(8\text{V} - 1.2\text{V} - 1.8\text{V})/2 + 1.8\text{V} = 4.3\text{V}$