

Read the datasheet and you will understand.

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

In your case with  $V_{\text{supply}}$  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  $R_{\text{iv}}$  of 2k17 ( $5V/2.3mA$ ).

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

I would advise to select  $R_{\text{iv}} < 2k17$  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  $(8V - 1.2V - 1.8V)/2 + 1.8V = 4.3V$