

Use of the Electret Microphone Amplifier - MAX9814

The MAX 9814 is a microphone amplifier module with 3 settings options of gain and 3 settings options of attack/release (AR pin).

for a gain between :

- 20db to 40 db, connect the gain pin to the VDD
- 30db to 50 db, connect the gain pin to the GND
- 40db to 60 db, leave the gain pin unconnected

for a A/R of :

- 1:500 ms/ms, connect the AR pin to the GND
- 1:2000 ms/ms, connect the AR pin to the VDD
- 1:4000 ms/ms, leave the AR pin unconnected



explanation :

when the signal is low, the MAX9814 will rise the gain of your signal (release), but when you clap in front of the microphone it will detect a voltage peak in your signal and will decrease the gain (attack).

