

# DL8711

## Analog delay with echo chip

[www.trigaudio.com](http://www.trigaudio.com)



The DL8711 is a single chip echo processor IC utilizing CMOS technology. Which accept analog audio input signal, a high sample rate ADC transfer the analog signal into a bit stream then storage to internal 44Kbit RAM, after processing the bit stream will de-modulate by DAC and lowpass filter. The delay time is determined by internal VCO clock frequency, and user can easy to change the VCO frequency by changing the external resistance. The DL8711 performs low distortion (THD<0.5%@0.5Vrms) and low noise (No<-90dBV) characteristic for audio purpose, and pin arrangement and application circuit are optimized for easy PCB layout and cost saving advantage.

### Feature:

- Least external components
- Time range 31ms~342ms
- Repeat time can reach 3000ms
- Series connection can be pre delay by first chip control and enhance repeat time
- Auto reset Function prevent POP noise
- Low noise, SNR 90dB
- Low distortion, THD= 0.5%
- Easy adjustable delay time for Oscillating circuit

### APPLICATIONS

- Music Instrument effect
- KARAOKE / Mixer
- Multimedia TV
- Car Entertainment System