

(Silicon Chip Magazine Jan '12) Do you hate the way the sound level on your TV suddenly jumps during the advert breaks? Or do you find that the sound levels vary widely when switching between digital TV stations? Or maybe you have problems listening to CDs or MP3s in your car or against the background din during a party? Are the soft parts too soft and the loud parts too loud? This Stereo Compressor will solve that problem. It reduces the dynamic range of the signal while still maintaining clean sound. The unit is also ideal for use with PA systems.

Important Note For Kit Buyers:

This product is supplied in component form and requires soldering, drilling, and assembly. We recommend users are familiar with at least basic electronic principles and have the ability to solder.

Features

- Stereo compression
- Input level & volume controls
- Power switch & indicator LED
- Several power supply options
- Signal-To-Noise Ratio: -75dB (20Hz - 20kHz filter) and -79dB "A" weighted with respect to 1V in and 1V out
- THD+N: 0.005% with compression disabled
- 0.007% @ 10kHz & 2:1 compression
- 0.17% @ 1kHz & 2:1 compression
- 1.6% @ 100Hz & 2:1 compression
- Channel Separation: 58dB (unweighted)
- Frequency Response: -1.5dB at 10Hz, -3dB at 33kHz
- Compression Ratio: typically 2:1 from +20dB to -20dB input
- with respect to 0.318V RMS at the compressor input – see Fig.3
- Power Consumption: 17mA at 15VDC; 40mA for supplies over 15V
- (±40mA for supplies over ±15V)

*Specifications are subject to change without notice.