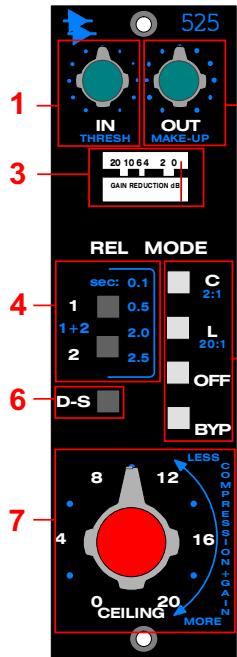


# 525 DISCRETE COMPRESSOR USER GUIDE



The API 525 is an exact reissue of API's original 525 discrete compressor released in the early 1970s. It artfully combines API's proprietary transformers and the 2510 and 2520 op-amps while exhibiting the reliability, long life, and uniformity which is characteristic of all API products.

## FEATURES:

1. Input control adjusts threshold level
2. Output control adjusts output level or make-up gain
3. VU meter displays amount of gain reduction in dBs
4. Release switches select amount of compressor release time.  
Both disengaged: 0.1 sec, 1 engaged: 0.5 sec, 2 engaged: 2.0 sec, 1 and 2 engaged: 2.5 sec
5. Compressor parameter controls, one setting selectable at a time.
  - Compression switch. Engaged: selects 2:1 compression ratio
  - Limit switch. Engaged: selects a 20:1 compression ratio
  - Off switch. Engaged: shuts off gain reduction (unit still inline)
  - Bypass switch. Engaged: bypasses the unit with a relay (unit also bypasses if power fails)
6. Desser switch enable. Engaged: removes sibilance ("esses") from signal
7. Ceiling knob. Increasing works the same as turning the threshold down and make-up gain up at the same time

The API 525 also comes with API's unique Five Year Warranty.

## Specifications

|                                   |   |
|-----------------------------------|---|
| <b>Maximum Gain Reduction:</b>    | 25 dB                                   |
| <b>Input Impedance:</b>           | > 30 kOhms, balanced                    |
| <b>Output Impedance:</b>          | 100 Ohms, transformer coupled, balanced |
| <b>Attack Time:</b>               | 15 microseconds                         |
| <b>Release Times:</b>             | 0.1, 0.5, 2.0, 2.5 seconds              |
| <b>De-essing:</b>                 | Inversion of the Voice Energy Curve     |
| <b>Slopes:</b>                    | Compression: 2:1, Limit: 20:1           |
| <b>Frequency Response:</b>        | ± 0.5 dB, 30 to 20 kHz                  |
| <b>Signal to Noise Ratio:</b>     | 120 dB                                  |
| <b>Harmonic Distortion:</b>       | 0.5% max, 30 to 20 kHz                  |
| <b>Power Consumption:</b>         | ± 16 Volts/DC @ 80 mA                   |
| <b>Size:</b>                      | 1.5" X 5.25" X 7.5" deep                |
| <b>Size (Boxed for Shipping):</b> | 4.5" X 6.5" X 10"                       |
| <b>Actual Weight:</b>             | 1.77 lbs.                               |
| <b>Shipping Weight:</b>           | 2.17 lbs.                               |