

How to install

1. Switch off amplifier, disconnect from AC and let cool down
2. Remove output tubes (6L6GC, 5881, EL34, 6V6GT etc.)
3. Plug the EL84 tubes in the TAD Class-A Converter and plug them in in place of the original output tubes. If you install only two Class-A Converter in a four-tube output stage of a 80- 135 watts amplifier, only use the outer positions so the amp stays balanced.
4. Connect amp to AC and switch on.
5. Have fun!

Limitations

The use of TAD Class-A Converters is not recommended for amps, which already do provide Cathode-Bias/Class A operation (e. g. Fender® "tweed" Deluxe, Fender® "wide panel tweed" amps, Leslie® 122/147 etc.). Amps with Class A / Class AB switching facility (e.g. Fender® Prosonic) must be used in Class AB position when using TAD Class-A Converters.

DO NOT USE the TAD Class-A Converters for amps with cathode control (e. g. Musicman® RD series, Peavey® Classic 75/100 etc.).

Maximum supply voltage: 530 V

In case of any doubts or questions please send an email to: info@tubeampdoctor.com, subject: TAD Class-A Converter

Warning

Your amp must be switched off and disconnected from the mains AC supply, before starting to work on it.

Tubes and TAD Class-A Converters get HOT during operation. Do not touch during operation and let cool down before exchanging them.

TAD CLASS-A CONVERTER

Part No.	Description	
TB-PH/2	PEN-Tone	PENTODE incl. EL84
TB-TH/2	TRI-Tone	TRIODE incl. EL84



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TAD CLASS-A CONVERTER

TRI-Tone / PEN-Tone



OWNERS MANUAL





- **Class A + Cathode Bias with EL84**
- **Replaces 6L6GC, EL34, 5881, 6V6GT with EL84**
- **Improves sustain and thickens your tone**
- **Available as Triode or Pentode Version**
- **Extra smooth tone with Triode Version**
- **Pure harmonic and sweet distortion**
- **Soft compression when played clean**
- **Plug & Play! No adjustments, no modifications**

TRI-Tone/PEN-Tone, EL84 and Class A

The TAD Class-A Converters replace 6L6GC, 5881, EL34 and 6V6GT for EL84/6BQ5 tubes and operate them in pure CLASS A. All the adjustments are made automatically – simple plug & play.

Tone, Tone, Tone...

Class-A Converter benefits:

1. The tone of a Class-A operated guitar amp is well known from the legendary VOX AC30 with its lively tone and enhanced responsiveness, enriching the overall musicality! It instantly improves sustain, and adds to a three-dimensional character with soft compression and smooth harmonic distortion when pushed.
2. The overall loudness will be reduced as the Class A as the EL84 tubes provide less output volume. So you can crank your amp all the way up and achieve the best possible sonic results at a reasonable volume level (8 - 30 Watt, depending on your amp and the TAD Class-A Converter version you use).

Pentode or Triode version?

The TAD Class-A Converter is available as PEN-Tone (Pentode) and TRI-Tone (Triode). Both versions basically provide the same benefits.

The PENTODE supports the main tonal character of your amp while the TRIODE will clearly make it more linear but will compress and saturate much earlier. The TRIODE makes it sound much smoother and will drop down power output to about 8 watts when using 2 Class-A Converters.

Both versions will provide outrageous sustain with perfectly harmonic distortion, ensuring great and dynamic responsiveness.

Plug & Play

...or how to install:

Switch off your amp, pull out the power tubes (6L6GC, 5881, EL34 or 6V6GT) and plug in the TAD Class-A Converters with the EL84 tubes and switch on the amp. Done!

No adjustments, no modifications! As you do not have to adjust the bias, you can also easily switch back to the original power tubes at any time. **Real PLUG & PLAY!**



Power Output

The overall power output depends on your amp and the version of TAD Class-A Converters you use:

PEN-Tone: 7 - 9 watts per converter, 14 - 18 watts per pair

TRI-Tone: 4 - 5 watts converter, 8 - 10 watts per pair

Example:

A 100-Watt amp with 4 6L6GC, 5881 or EL34 would saturate usually at 100W RMS power output. With TAD Class-A Converters it saturates at:

PEN-Tone: approx. 32 watts (four converters); 16 watts (two converters)

TRI-Tone: approx. 16 watts (four converters); 8 watts (two converters)

EL84 tubes

In case you need to replace the EL84 tubes, we recommend choosing matched tubes. In many tests, we experienced the TAD EL84-STR to provide the sweetest tone. Other recommendations are the TAD EL84M for extra long lifetime with a bit more of a crispy tone and the TAD EL84-Cz for more punchy mids.

