

# POWER TUBES



## TAD 6L6GC-STR

### *The classic 6L6 sound*

The 6L6GC-STR provides the low end with the right amount of pressure, as known from the famous RCA tubes, it has clear, transparent but unobtrusive highs and exactly the right bite to provide you with all those classic 6L6 sounds from big warm cleans to modern hard rock sounds. This TAD 6L6GC-STR combines the famous reliability of the American-made Philips/Sylvania STR series with the blackplate systems of the legendary RCA 6L6GC.

*Recommendation: Silky top end combined with a deep bass response and lots of headroom make this tube our choice for lively clean sounds and powerful broadband multichannel amps.*

**Part No.: RT211**



## TAD 6L6WGC-STR

### *The classic tone of the 1950s and 60s*

The TAD 6L6WGC-STR is a remake of the small bottle GE6L6GC and has the same warm lower midrange and silky top end as the classic GE versions of the 1950s and 60s. Like the historic RCA 5881, this tube features exclusive blackplate anodes and a side getter. The perfect choice for vintage tweed and blackface amps such as the 1960 Bassman, Twin, Showman or Super Reverb. Great for fat jazz or blues tones.

*Recommendation: The TAD 6L6WGC-STR is our preferred choice for classic tones. It provides warm cleans, a rich and sweet midrange and early saturation – ideal for single channel amps that have no master-volume and vintage tweed-style amps.*

**Part No.: RT811**



## TAD KT66

### *Old school tone*

The TAD KT66 delivers old-school tone out-of-the-box. A faithful reproduction of the great British KT66 by MOV (MO Valve), GEC, Genalex or Gold Lion. This tube made the Marshall JTM45 Plexi Amps famous in the 1960s and helped the Quad Hi-Fi amps achieve their legendary status. Talking of legends: SRV created his gigantic guitar tone with the help of KT66s in his Fender amps. This tube is the “real thing” with a large curved glass envelope and a rounded brown base.

The KT66 can replace 6L6GC and 5881 tubes.

**Part No.: RT821**



## TAD 6V6GT-STR

### *Sweet full-bodied tone*

The TAD 6V6GT-STR is a heavy duty 6V6GT tube, which can handle a higher plate current. It works great in Tweed 5E3 Deluxe and Deluxe Reverb Amps. Even when pushed into saturation there are no harsh upper mids, which is frequently the case with other 6V6's. The TAD 6V6GT-STR always remains detailed and has a powerful tone and an abundance of sustain – characteristics you usually only expect to find in the finest NOS 6V6GTs from the 1950s and 60s. Sweet full-bodied tone with silky highs.

**Part No.: RT831**



## TAD EL34B-STR

### *The most versatile EL34*

The TAD EL34B-STR is an authentic remake of the British Mullard EL 34, a true pentode tube. The clear and harmonic open top end allows for a great clean tone and at the same time the TAD EL34B-STR offers incredibly powerful mids and an equally powerful bass. The golden control grid and especially large cooling grids guarantee maximum stability and reliability, and, consequently, this EL-34 provides a maximum of gain and dynamic response. This tube provides the highest TC (Gm) ratings of all EL34 options resulting in a very dynamic tone. The TAD EL43B -STR can be used as a replacement for 6CA7 and KT 77, easily meeting the requirements for these tubes.

**Part No.: RT161**



## TAD E34L-CZ

### *Punchy mids and focused power*

The E34L is a long-life EL34 type tube with thick and especially solid glass. It delivers lots of bite in the top end, punchy mids and well-focused bass power.

Our burn-in process increases the electrical stability of this tube immensely. The increased stability is the basis for our subsequent matching process. Our TAD matching process takes into account the dynamic aspects of tubes and allows for precise matching under real operating conditions. This process allows us to achieve an unparalleled sound quality.

**Part No.: RT151**



## TAD EL34-SVT

### *The legendary winged -c-*

The Svetlana EL34 is very dependable and our choice for combos. While it provides a somewhat lower power, it is known for its nicely balanced tone with fine highs, a very detailed and musical mid-range and just the right amount of bass. The TAD EL34-SVT is selected from the original Svetlana factory production in St. Petersburg, the factory that produced the tubes marked with the legendary winged -C- logo. This tube is another example where our TAD burn-in and matching processes optimize the sound potential of any tube: The clear and lively tone and its three-dimensional character, which can be achieved with matched TAD pairs speaks for itself.

**Part No.: RT251**



# POWER TUBES



## TAD EL84-STR

### *No compromise*

The TAD EL84-STR combines best of both worlds. We opted for the thickest glass possible and the heaviest construction available, just like the Russian EL84M, and combined these features with the sonically most promising cathode and plate options to meet and exceed the tonal quality of the EL84-Cz. Finally, we added a gold grid wire to limit stray radiation characteristics and to improve overall reliability. The result is the best EL 84 currently available.

*Part No.: RT871*



## TAD EL84M

### *Long life guaranteed*

The TAD EL84M is characterized by a mid-range that really cuts through and a tight bass response. Even when you play at lower volume levels or in a complex sound situation on stage, you will be heard. This EL84 version is the most rugged and long-lasting military grade EL84 on the market, originally designed for military purposes as well as for aerospace applications, and designed to last up to 10,000 operating hours – the most reliable EL -84 ever built. Unfortunately, this tube is not being produced anymore.

*Part No.: RT371*



## TAD EL84-CZ

### *Roughneck with powerful tone*

The TAD EL84-CZ is the powerhouse and roughneck among the EL84s and provides most amps with an extra powerful bass response. You have to be careful with amps that already have a fat bass and you need to ensure that your speaker can handle the increased bottom end – it may just be too much. The EL84-CZ is the most powerful EL84 tube we ever heard. It has a big tone and is very dynamic. Our recommendation, if a powerful tone is what you are looking for.

*Part No.: RT271*



## TAD 5881 WXT

### *Hard rock!*

The popular TAD 5881WXT is a dependable 6L6GC-type tube with a more modern and aggressive character. It has slightly less power than a 6L6GC but a special bite in the upper mid-range, which allows you to cut through any sound on stage. The 5881WXT is known as "the" stock tube in many recent Fender amps, but it is our recommendation for hard rock and guitars tuned low.

*Part No.: RT311*



## TAD 7027A

### *Beefy 35W plate dissipation*

The 7027A has been used in many vintage Ampeg amplifiers, such as the Portaflex B15S, B18N, B25, V2, V3, V4, V4B, VT22, or VT40 and in U.S.-made audio equipment. The 7027A is close to a 6L6GC, but due to a different base diagram it is not 100% compatible. The TAD 7027A is a heavy duty version, perfectly designed for use in demanding applications. It delivers the power and dynamics you need to bring your amp to its best original tone.

**Part No.: RT241**



## TAD 6550A-STR

### *A remake of the classical GE 6550A*

The TAD 6550A-STR is a faithful remake of the vintage GE 6550A with a heavy straight glass envelope, a polished metal base and the authentic triple getter construction. A balanced tube, known for its incredible bottom end and rich mid-range. Smooth, liquid bass, natural sounds and a wide open character make this tube extremely popular for bass guitar amps and high-end Hi-Fi applications.

The TAD 6550A-STR meets or exceeds the specifications of the classic 6550A and can be used in any application that needs 6550 type tubes. Great performance guaranteed.

**Part No.: RT881**



## TAD KT88-STR

### *Our favourite tube in KT88/6550 class*

The latest version of our TAD KT88-STR is built in the style of the early British MOV KT88. It has the same big and heavy glass envelope and beautiful polished metal base. Wonderful tone and great appearance make this tube the most attractive choice for high-end audio applications and powerful bass guitar amps. It delivers a three-dimensional tone, which is very pleasing, warm and detailed with subtle highs.

Very musical, this tube offers finest details in the mid-range and the top end. Linear, harmonious overall response with a very natural sound make the TAD KT88-STR our favourite in the KT88 and 6550A classes.

**Part No.: RT891**



# PREAMP TUBES

*Tweak your Tone*

## WITH TAD SELECTED PREAMP TUBES

The possibility to choose your own TAD preamp tubes provides you with an amazing control over the character, voice and response of your amp. Just to avoid any misunderstandings: you will not be able to turn an amp with plenty of clean headroom designed for jazz into a monster metal amp with tons of gain. But you can turn your amp into a sparkling sound machine that perfectly suits your own style.

You can change preamp tubes of guitar amps and most Hi-Fi audio amps without having to adjust any of the amp settings (always observe the manufacturer's safety instructions!). True "plug and play!" It may be advisable to choose replacement tubes from the same group of preamp tubes the original belonged to. For guitar amps this would mean you best stay within the 12AX7 family (A, WA, LPS, EH or whatever the suffix following the 12AX7 is), 7025, ECC83, 5751, 12AY7 etc.

### RT080

7025 WA HIGHGRADE  
excellent liquid tone;  
full gain; smooth top end;  
fat midrange;  
very responsive and dynamic;  
super low noise!

### RT011

7025 S  
Mullard style;  
smooth and rich top end;  
warm mid range;  
very detailed;  
good gain!

### RT030

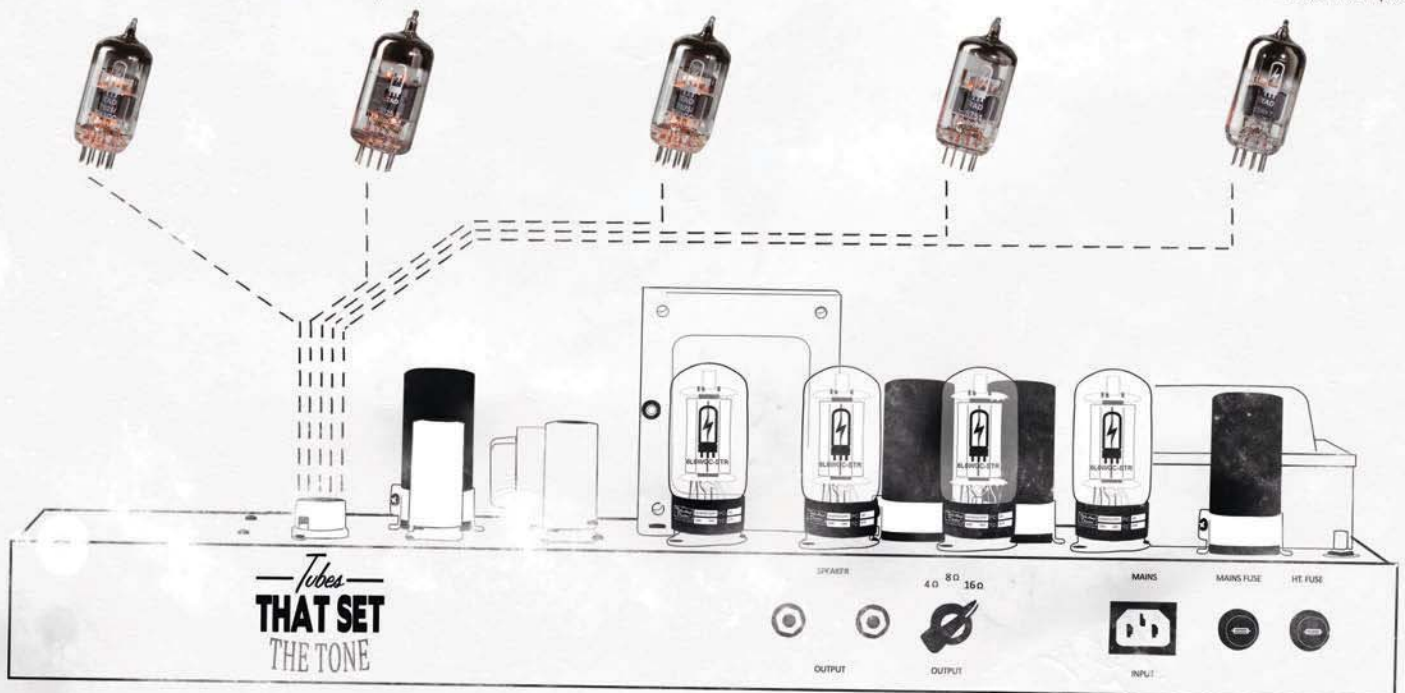
7025/E83CC HIGHGRADE  
full midrange punch;  
mellow top end;  
fat low end; not too deep;  
medium dynamics!

### RT009

5751 PREMIUM SELECTED  
a bit less gain than 12AX7;  
great headroom; big bottom;  
outstanding warm cleans;  
silky top end!

### RT007

12AY7/6072A  
vintage tweed tone;  
low gain, great for that  
warm clean vintage tone;  
fat mid range when pushed!





## TAD 7025WA HIGHGRADE

We have designed the new TAD 7025 WA with a triple mica construction to exclude microphonic issues even when used in the most sensitive preamps. The 7025 WA supports a fat midrange and has a bold tone with lots of harmonics. Played clean, the TAD 7025 WA delivers a warm liquid tone which is very responsive to dynamic playing. Overdriven the 7025 WA provides lots of sustain with well defined mid-range punch. The 7025WA HIGHGRADE is recommended for the most demanding amp input stages (V1).

*Part No.: RT080*



## TAD ECC83WA SELECTED

The new TAD ECC83 WA SELECTED provides a stunning, warm tone, thick midrange and sweet natural harmonics. We designed it to come with a triple mica construction for low noise performance. Perfect for clean or moderate gain preamps as well as in the V2 position of high-gain amps. Its great dynamics, low noise operation and balanced warm tone make the TAD ECC83 WA an excellent allrounder – great value for money!

*Part No.: RT008*



## TAD 7025 HIGHGRADE

The TAD 7025 HIGHGRADE, designed, tested and approved for the most demanding amp stages at the very lowest noise level, is the perfect tube for the sensitive 1st gain stage of any guitar amplifier or phono preamp. It works greatly for warm clean tones and creamy overdrive. The TAD 7025 HIGHGRADE can replace any 7025, ECC83 or 12AX7.

*Part No.: RT010*



## TAD 12AX7A-C SELECTED

Very good gain, tight deep bass, fat mid-range and silky top end, very well defined with an overall brightness. Selected and recommended for guitar amps to improve overall response. Best for clean sounds and for modern preamps designed to provide deep basses. Recommended for all positions in medium gain amps or the V2 position in high-gain amps.

*Part No.: RT001*



## TAD 7025S SELECTED

The TAD 7025 S is a faithful reproduction of the legendary original Mullard ECC83 valve, which was made in England until the late 1960s. This tube is regarded the Holy Grail of double-triode preamp valves. The TAD 7025 S delivers a rich, harmonically complex tone and a warm mid-range. Simply outstanding!

*Part No.: RT011*



# PREAMP TUBES



## TAD 7025/E83CC HIGHGRADE

HIGHGRADE selected quality for the most demanding amp stages. As per our TAD "Highgrade Specifications," this tube is selected to be extremely quiet; it is not microphonic and has no hum. Great warm clean tones, punchy mids and a fat overdrive with smooth top end.

Part No.: RT030



## TAD ECC83-CZ SELECTED

Selected ECC83 for big and warm clean sounds (also great for Hi-Fi) and a mellow top-end when pushed into overdrive. Our recommendation if you are seeking to reduce brightness slightly and you want to emphasize punchy mids. Especially great when pushed into a fat overdrive.

Part No.: RT003



## TAD ECC803S SELECTED

A long-plate ECC83/12AX7A in the tradition of the famous Telefunken ECC803S. 1dB less gain than the original, but very detailed and defined, close to the TAD 12AX7A-C. Its strong cathode current makes it an ideal choice for the audio-driver stage.

Part No.: RT033



## TAD 12AX7WA SELECTED

Very low noise but slightly less gain than a regular 12AX7. Soft highs and edgy, dominant mids. Our recommendation when your amp has microphonic issues. This tube is used in many Fender amps made today. Use the TAD 12AX7WA to maintain your amp's original tone; choose the TAD 7025WA or TAD 7025/E83CC to improve dynamics, sensitivity and gain for a crispy and more vivid tone.

Part No.: RT006



## TAD 5751 HIGHGRADE

The TAD 5751 HIGHGRADE is your first choice if you want to improve clarity, smoothness and add vintage tone-character to your guitar amp. With about 85% gain of a standard 12AX7/7025 tube, this super-low-noise and HIGHGRADE-selected 5751 works best in the most sensitive stages of any guitar amp, tube microphone or audio application. This TAD 5751 HIGHGRADE will remarkably improve clean tones with a supporting, big bottom end, a warm midrange and a silky top end. It can replace any 12AX7, ECC83, 5751 or 7025.

Part No.: RT090



## TAD 5751 SELECTED

The TAD SELECTED 5751 is our first choice for noticeably improved clarity, smoothness, and a true vintage tone character! With slightly less gain, the TAD 5751 will improve the clean tone of vintage Fender® type amps producing that thick and three-dimensional bold tone. There will still be plenty of gain – so even if you play a higher-gain preamp which does not have these classic crunch characteristics, the 5751 tube will work wonders. In hi-fi preamps and CD players, the TAD SELECTED 5751 will lower the noise floor and sound smoother and clearer than many 12AX7 tubes.

Part No.: RT009



## TAD 12AY7/6072A HIGHGRADE

This new TAD 12AY7 HIGHGRADE is selected to be the perfect choice for the first stage of any modern high-gain amplifier, delivering a true and warm tone while remaining quite open with defined punch in the lower mids. The highs are smooth but well defined and detailed; your tone will always stay focused. Dynamic attack is met with tonal depth and responsiveness. With less gain than a 12AX7, the TAD 12AY7 HIGHGRADE adds a tad of vintage touch and feel to your tone with more headroom and a significantly wider sweet spot which gives you more control over your tone.

**Part No.: RT070**



## TAD 12AY7/6072A SELECTED

*Tweed up your tone!* The 12AY7 is famous for its use as stock tube in the legendary tweed amps of the late 1950s. This premium selected TAD 12AY7 is a great choice as an input tube in any tweed, classic low gain or non-master amplifier. It will also bring more warmth and musicality to modern amps while improving the tonal depth of the midrange and providing a sweet top end. With less gain than a 12AX7, you will have more headroom and more control over your tone due to its wider sweet spot.

**Part No.: RT007**



## TAD 12AT7/ECC81 SELECTED BALANCED

The TAD 12AT7/ECC81 is a low-noise tube, selected for best symmetry and balance. Strong driver tube and a wonderful and rich-sounding reverb driver.

**Part No.: RT002**



## TAD 12AU7A/ECC82 SELECTED BALANCED

Latest revision providing great musical performance and rich tone. This TAD12AU7A/ECC82 has especially strong systems which are selected to provide two symmetric triodes. The perfect choice for stereo audio applications and ideal as a balanced driver.

**Part No.: RT005**



## TAD 12BH7A-STR SELECTED BALANCED

The all-new TAD 12BH7A-STR combines the best sonic and mechanical performance of the NOS RCA blackplate with advantages of the GE version. A maximum of reliability with outstanding tonal quality makes the new "balanced selected TAD 12BH7A-STR" the first choice for Ampeg SVT's, the Blackstar HT-5 and high-end applications.

**Part No.: RT043**



## TAD EF86/6267 SELECTED

This pentode is selected for low-noise and low microphonics and is used in many hi-fi preamps. It recently gained popularity because it is used in many new guitar amps based on the vintage AC15 circuit.

**Part No.: RT-EF86**



# RECTIFIER TUBES



## TAD 5U4G

Big bulb vintage rectifier tube, used in high-end audio amplifiers but also in modern recto-type amps, such as the Mesa Boogie Double/Triple Rectifier. The 5U4G can replace the 5U4GB. Its tone is smoother than that of a solid-state rectifier.

*Part No.: RT512*



## TAD 5U4GB

The 5U4GB has a straight glass envelope. This type has been widely used in U.S.- made guitar amplifiers from the 1950s to the 70s. The 5U4GB has a slow start feature, which protects output tubes from high voltage peaks when you switch the power on.

*Part No.: RT504*



## TAD EZ81/6CA4

The TAD EZ81/6CA4 is a small rectifier tube for 6.3V filaments. It is used in smaller amps, such as the Marshall 1974X, the TAD 18W Plexi Kit, Silvertone amps and in various Hammond organ amplifiers. The TAD EZ81/6CA4 is a true full power EZ81. Also used in many audio amps and in those unbelievably good sounding old tube radios.

*Part No.: RT506*



## TAD GZ34/5AR4-STR

A faithful reproduction of the Mullard/VALVO GZ34. Pure power and the typical sag have been the distinguishing characteristics of the most popular guitar amps of guitar heroes since the 1960s.

*Part No.: RT501*



## TAD 5Y3GT

The rectifier tube for smaller vintage amps such as the 5F1 Fender Tweed Champ or the Tweed Deluxe 5E3. This small bottle version is the closest in performance and reliability to the vintage 5Y3GT of the 1950s.

**Part No.: RT503**



## TAD SOLID-STATE RECTIFIER

Solid-state rectifier, replaces 5U4G/GB, GZ34, 5AR4 and 5Y3 rectifier tubes.

**Part No.: RT515**



# TAD EQUIPMENT

## TAD Silencer™ power attenuator system



The TAD Silencer™ is considered the reference for power attenuators. The silencer features various controls and settings – but first and foremost: pure and genuine tone! With its classic amp cabinet design, the Silencer also compliments your amp – it comes in the same style and it is “Handcrafted in Germany!”

The Silencer™ reduces output power and volume. Many popular rock guitar sounds are based on those well-known sounds created by the guitar legends of the sixties and seventies. There were no P.A. systems as we know them today. P.A. systems were simply used to amplify vocals. Consequently, guitar-players had to crank up their amps to full volume to be heard against drummers or bass-players. And: Tube guitar amps do sound best when played loud because the output stage starts to saturate and delivers the most musical and harmonic distortion, wonderful sustain and a thick tone with overall response. This is what we all are looking for, but if a 50 or 100 Watt amp is played at full volume, it gets easily so loud that you may damage your hearing, you may annoy your audience, your band members or worse, your neighbours: The Silencer™ solves this problem.

It is connected between the amp speaker output and the speaker(s) (or speaker cabinet) and provides total control on what part of the power output will be fed to your speakers. The power that is not going into the speaker(s) will be converted to heat. So you can crank up the amp to the setting where it sounds best and adjust the final volume just for your speakers. All components forming a great guitar tone are still working – “crank up” your amp, use your favorite settings (preamp tubes, driver stage, output tubes, transformers etc.) and enjoy the great tone. The final volume you hear is adjusted after the amp’s output. The power attenuation can be set in convenient 2db steps from full power to -16db. From -16db on you even can fine-tune the level to total silence.

amp cabinet design makes a perfect fit for your equipment !

CAUTION HOT

CONVERTS EXCESS POWER INTO HEAT WITHOUT IMPACT ON SOUND QUALITY

up to 150 WATT RMS



adjustable LINE-Out

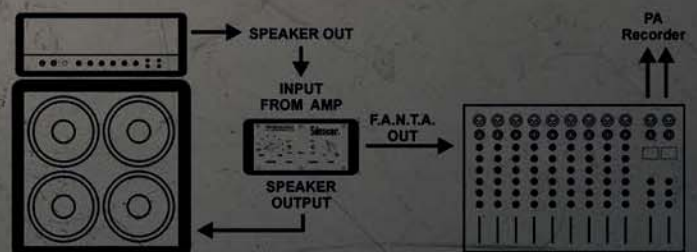
available as 2, 4, 8 and 16  $\Omega$  version

**F.A.N.T.A.™ OUT**

Turn the page for further information...

## TYPICAL LIVE/RECORDING SETUP

Power attenuation to reduce volume when playing live or recording: Use a speaker cable to connect the speaker output jack of your amp with the jack labeled "INPUT FROM AMP" of the Silencer™. Connect the upper SPEAKER OUTPUT jack (the one with the one-cabinet icon) of the Silencer™ to your speaker cabinet. An additional cabinet can be connected to the lower SPEAKER OUTPUT jack of the Silencer™ (the one with the two-cabinet icon). The total load of the connected cabinets must match the impedance of your amp and of the Silencer™. Connect the F.A.N.T.A. OUT to your mixer, using a standard microphone cable. Set the POWER control to FULL and switch on the amp. Now you can regulate the volume by adjusting the POWER and the FINE controls. BITE and PUNCH switches are affecting the sound of the cabinet(s) connected to the SPEAKER OUT jack(s).





# TAD EQUIPMENT

## TAD BiasMaster™

*Check your bias*

TAD BiasMaster™: Dedicated measuring device for tube amps lets you control the correct bias point of your power tubes. In conjunction with TAD tubes, this is the easiest way to achieve your perfect tone. The TAD BiasMaster™ includes 2 or 4 octal probes (depending on which version you choose) and is also available as an EL84 version with noval probes.

Handcrafted in Germany!



## TAD F.A.N.T.A.™

*Speaker emulation*

TAD F.A.N.T.A.™: The superior speaker emulation of our TAD Silencer™ is also available as a separate tool. Extremely pick sensitive pure analogue technology.

Handcrafted in Germany!





# TAD RangeKing™

*The flexible booster*

TAD RangeKing™: Not an ordinary treble booster, but a highly versatile tone tool for the most diverse applications. A power-booster featuring the great "BALLS" control for your tone control and an outstanding "Range"-effect.

Handcrafted in Germany!



# TAD CLASS-A CONVERTER™

*Plug'n'play Class-A*

Our "Class-A converters" will turn your 100W monster into an exciting Class-A tone machine with either 7, 15 or 30 watts, while maintaining the amp's original tonal character.

Pure harmonic power and full amp saturation at low volume levels.

Easy replacing of 6L6, 5881, EL34, KT66 and 6V6 tubes with EL84s, automatically operating in Class-A mode. No-rebiasing needed – plug'n'play!

**Available in two versions:**

**TRI-Tone VERSION:** approx. 7 watts a pair

**PEN-Tone VERSION:** approx. 15 watts a pair  
EL84s included.

Handcrafted in Germany!





# PARTS



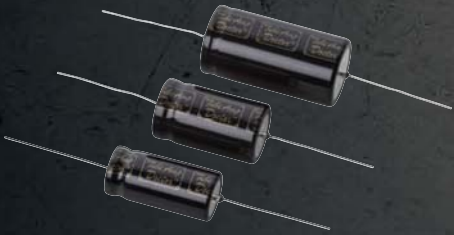
## TAD AUDIO CAPS

TAD Audio Caps feature the authentic flat-foil design of the capacitors used in the 1950's, 60's and 70's and come in the same size as the originals! The special design of these electrolytic caps improves any tone with perfect details and excellent over-tones. Our caps are the perfect replacements for all Fender Blackface and Silverface amps. Our suggestion to improve all kinds of guitar amps and Hi-Fi equipment.



## TAD GOLD CAPS RADIAL

TAD Gold Caps in their radial "can" shape are especially made for "British" amps. With their vintage correct sizes and specifications, the TAD Gold Caps bring back the classic tone from the 60's, the tone for which Plexi JTM, JMP, JCM and Co. are so famous for! Especially suited for repairing, restoring and modifying Marshall, Hiwatt, Orange, Sound City, Selmer and many more! TAD also supplies the appropriate mounting clamps.



## TAD GOLD CAPS AXIAL

TAD axial-shaped Gold Caps entail the entire range of electrolytic capacitors, which are used in all kinds of tube amps. These caps offer high temperature resistance in a small package. The perfect replacement caps for all kinds of tube amps! TAD also offers vintage correct specs and authentic values!