

TELEFUNKEN

Elektroakustik

2026 PRODUCT CATALOG



25 Years. One Legacy.

TELEFUNKEN Elektroakustik proudly celebrates its 25th anniversary in 2026, marking a quarter-century of American craftsmanship, innovation, and dedication to preserving one of the most storied names in professional audio.

Originally founded in early 2001 as TELEFUNKEN USA, the company began with a mission to restore and recreate the legendary microphones that defined the golden age of recording. Building upon the heritage of the original German TELEFUNKEN brand—established in 1903 and renowned for its pioneering contributions to broadcast and recording technology—TELEFUNKEN USA bridged past and present by bringing timeless microphone designs back to life for modern engineers, producers, and artists around the world.



Under the leadership of Toni Fishman, TELEFUNKEN quickly earned international recognition for its meticulous restorations and faithful recreations, beginning with the iconic ELA M 251 E. Over time, the company expanded its offerings to include historically accurate reproductions, modern circuit interpretations, and entirely original designs that embody the unmistakable TELEFUNKEN sonic signature. In 2009, the company formally adopted the name TELEFUNKEN Elektroakustik, reflecting its growing global presence and a deepening commitment to the art and science of electrical acoustics. This evolution marked a pivotal moment as TELEFUNKEN broadened its mission from restoration to innovation, helping shape the tools used in contemporary recording.

From its headquarters and manufacturing facility in South Windsor, Connecticut, TELEFUNKEN Elektroakustik continues to hand-build every microphone with uncompromising attention to detail. Its products—including the Diamond,Alchemy, and Dynamic Series—have become trusted tools in world-class studios, broadcast facilities, and live touring rigs, relied upon by leading artists, engineers, and creators across every genre of music.

As TELEFUNKEN Elektroakustik celebrates 25 years in the United States, the milestone stands as a testament to authenticity, quality, and innovation. The anniversary honors both the brand's historic roots in Germany and its modern evolution in America, where tradition and technology meet. Looking ahead, TELEFUNKEN remains committed to advancing microphone design, supporting the global audio community, and continuing to craft the tools that help shape the sound of contemporary music. This anniversary also reinforces the company's dedication to education, support, and the preservation of audio heritage, ensuring that future generations of creators can continue to benefit from the knowledge and craftsmanship that define the TELEFUNKEN legacy.



DIAMOND SERIES

The Diamond Series features three primary microphone models that epitomize vintage vacuum tube microphone technology, which characterize and color the sounds of popular recorded music from the 1940's through today. These three pillars of the vintage microphone world were selected to preserve their legacy not only because of their extremely high fidelity sonic abilities, but also because they exemplify the nearly gone culture of high quality manufacturing and hand-made workmanship.

The Diamond Series currently comprises of five microphones; three main models and two variants. They are the TELEFUNKEN U47, TELEFUNKEN U48, C12, ELA M 251E and ELA M 251T. All of the parts for these microphones were reverse engineered and recreated exactly to the originals in order to manufacture new models and provide restoration parts for the vintage versions. The large majority of the parts are custom tooled and machined in the USA, where TELEFUNKEN Elektroakustik is located.

Every microphone is hand-built and assembled from the ground up and tested in the TELEFUNKEN facility located in South Windsor, Connecticut. Each microphone is individually wired point-to-point; no circuit boards to be found here. Every plastic is riveted by hand, and each assembly is tapped and screwed together by hand. Diamond Series microphones are produced in smaller production runs to achieve the finest attention to detail.

The dream of TELEFUNKEN Elektroakustik remains to preserve these iconic microphones and their history, and to develop new microphone technology that draws inspiration from them. TELEFUNKEN continues the tradition of producing high fidelity recording instruments to benefit the recording and performing world, and to continue to characterize music for generations to come.



DIAMOND SERIES

DIAMOND SERIES



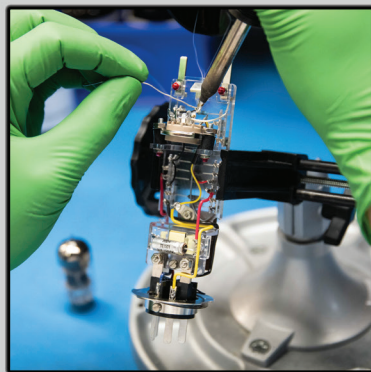
ELA M 251E Large Diaphragm Tube Condenser



The ELA M 251E is a precise recreation of one of the most legendary microphones, renowned for its smooth, open sonic character. Ideal for vocals and acoustic instruments, it offers a focused low end, detailed mids, and a silky top end. Each microphone is 100% true to the original, with interchangeable parts, delivering the same sonically opulent response that has made the ELA M 251E one of the world's most sought-after recording tools.

ELA M 251T

The ELA M 251T is a modern take on the classic 251E design. By using Alloy 2213™ instead of gold as the capsule tensioning material, more low frequency accuracy and high end clarity is achieved.

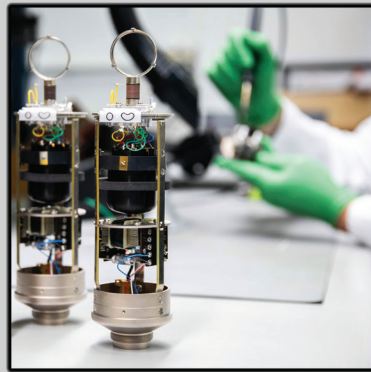


TELEFUNKEN U47 Large Diaphragm Tube Condenser

A staple of top-tier recording studios, the TELEFUNKEN U47 is renowned for its authoritative midrange and extended low-end response. In production for over 22 years, it excels on vocals, electric guitar, orchestral work, and chamber ensembles. TELEFUNKEN Elektroakustik's recreation stays faithful to the original large-diaphragm tube design, featuring the historically accurate BV8 output transformer and M7 capsule. These components deliver the rich, vibrant tone that has solidified the TELEFUNKEN U47's status as one of the most iconic studio microphones ever made.

TELEFUNKEN U48

The TELEFUNKEN U48, a historically accurate U47 variant, features Figure-8 instead of Omnidirectional as its secondary polar pattern and is easily distinguishable by its red polar pattern logo.



SPECIFICATIONS

- Polar Pattern:** Cardioid, Omnidirectional, Figure-8
- Frequency Range:** 20 Hz - 20 kHz, ± 3 dB
- Capsule:** TELEFUNKEN Elektroakustik CK12 – Edge Terminated Large Diaphragm
- Tube:** TELEFUNKEN Elektroakustik 6072A
- Transformer:** Haufe T14/1
- Sensitivity:** 17 mV/Pa ± 1 dB
- THD at 1 kHz at 1 Pa (Amplifier):** $< 0.2\%$
- Output Impedance:** 200 Ω
- Maximum SPL (for 1% THD):** 130 dB
- S/N Ratio:** 85 dBA
- Self Noise (Amplifier):** 9 dBA
- Dimensions:** 216 mm L x 50 mm Dia
- Weight:** 596 g

SPECIFICATIONS

- Polar Pattern:** Cardioid, Omnidirectional (U47)
Cardioid, Figure-8 (U48)
- Frequency Range:** 20 Hz - 20 kHz, ± 3 dB
- Capsule:** TELEFUNKEN Elektroakustik M7 – Center Terminated Large Diaphragm
- Tube:** TELEFUNKEN Elektroakustik VF14K
- Transformer:** TELEFUNKEN Elektroakustik BV8
- Sensitivity:** 24.5 mV/Pa ± 1 dB
- THD at 1 kHz at 1 Pa (Amplifier):** $< 0.3\%$
- Output Impedance:** 200 Ω
- Maximum SPL (for 1% THD):** 127 dB
- S/N Ratio:** 85 dBA
- Self Noise (Amplifier):** 9 dBA
- Dimensions:** 240 mm L x 60 mm Dia
- Weight:** 620 g



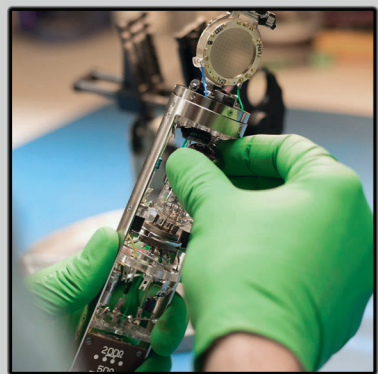
DIAMOND SERIES



C12

Large Diaphragm Tube Condenser

Revered for its smooth and airy frequency response, if there were ever a microphone that was the epitome of classic, hi-fidelity sound, it would be the C12. While it is a fantastic choice for all types of instruments, the C12 lends itself especially well to drum overheads, acoustic guitar, and vocals. Its silky top end provides plenty of air without sounding harsh or artificial. Its midrange speaks clearly and articulately, capturing the source with a natural presence. Its low end is tight and focused, perfectly balanced with the rest of the frequency range. The TELEFUNKEN C12 builds upon the original design with the implementation of cathode self-biasing operation, a configuration which is quieter and more consistent than the original fixed-bias configuration.



SPECIFICATIONS

- Polar Pattern:** 9-Pattern Variable including Cardioid, Omnidirectional, Figure-8
- Frequency Range:** 20 Hz - 20 kHz, ± 3 dB
- Capsule:** TELEFUNKEN Elektroakustik CK12 – Edge Terminated Large Diaphragm
- Tube:** TELEFUNKEN Elektroakustik 6072A
- Transformer:** Haufe T14/1
- Sensitivity:** 10 mV/Pa ± 1 dB
- THD at 1 kHz at 1 Pa (Amplifier):** $< 0.25\%$
- Output Impedance:** 200 Ω
- Maximum SPL (for 1% THD):** 130 dB
- S/N Ratio:** 85 dBA
- Self Noise (Amplifier):** 9 dBA
- Dimensions:** 250 mm L x 42.5 mm Dia
- Weight:** 567 g



ALCHEMY SERIES

Designed, hand-built, and tested to strict quality standards in Connecticut, the Alchemy Microphone Series is TELEFUNKEN Elektroakustik's next generation of large diaphragm condensers. These microphone models feature unique sonic profiles developed from the ground up, utilizing a combination of vintage microphone elements and modern fidelity and reliability. The bold voicings of the Alchemy Microphone Series are the TF11, TF17, TF29, TF39, TF47, and TF51.

Benefitting from over a decade of in-house microphone design and production, the Alchemy Microphone Series is an evolution and expansion of past TELEFUNKEN models. Numerous sonic and mechanical improvements have been implemented in the Alchemy Series, as well as new technologies as found in the TF11 and TF17, Telefunken's original vintage-meets-modern, phantom-powered condenser microphones. Boasting a custom designed headgrille for transparency and openness, hand-plugged circuit boards, and premium selected components and transformers, no detail has been left unaddressed. All Alchemy Series microphones ship in sleek, compact protective cases and include two modern mount options and all necessary accessories.

Like all TELEFUNKEN microphones, the Alchemy Series is assembled in the same American facility as the legendary Diamond Series by a small, dedicated team of engineers and technicians. Each microphone is individually tested and listened to. All critical components are quality controlled in-house before assembly, including capsule frequency sweeps, vacuum tube burn-in and noise grading, and transistor biasing for lowest possible distortion. These high standards lead to extremely tight tolerances from microphone to microphone.

The Alchemy Microphone Series combines timeless sound quality with TELEFUNKEN reliability in an affordable package. Whether it's the home studio or a commercial facility, the Alchemy Microphone Series is suited for any recording environment.

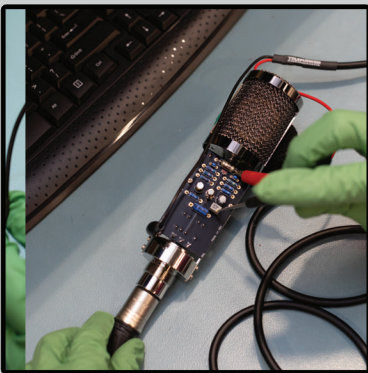
The Alchemy Microphone Series combines timeless sound quality with TELEFUNKEN reliability in an affordable package. Whether it's the home studio or a commercial facility, the Alchemy Microphone Series is suited for any recording environment.



TF17

Large Diaphragm FET Condenser

Meet the TF17, the newest voice in the Alchemy Series and the latest offering of TELEFUNKEN's vintage-inspired phantom-powered condenser microphones. Combining the iconic mid-forward "German" voicing with modern FET technology, the TF17 is sonically bold with a punchy transient response, high SPL handling, and very low self-noise. Its extended low frequency response, strong midrange, and smooth top end benefit sources including voice, drums, electric guitar, and piano. Designed with all recording environments in mind, the fixed true cardioid TF17 is perfect for home, studio, or stage. The TF17 features a K47-style center-terminated capsule, premium through-hole components and a UK-made OEP/Carnhill transformer with a high-grade nickel-iron core.



SPECIFICATIONS

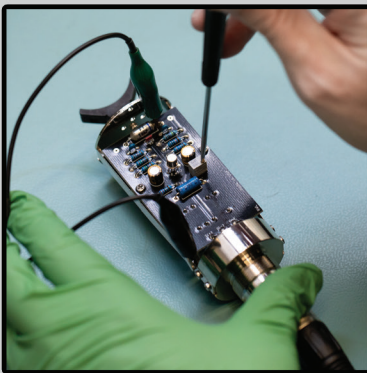
- Polar Pattern:** Cardioid
- Frequency Range:** 20 Hz - 20 kHz, ± 3 dB
- Capsule:** TK47S - Center Terminated Large Diaphragm
- Amplifier Type:** Transistor (+48V phantom power required)
- Transformer:** OEP/Carnhill T217
- Sensitivity:** 12 mV/Pa, ± 1 dB
- THD at 1 kHz at 1 Pa (Amplifier):** 0.01%
- Output Impedance:** $< 200 \Omega$
- Maximum SPL (for 1% THD):** > 135 dB
- S/N Ratio:** 91 dBA
- Self Noise (Amplifier):** 3 dBA
- Dimensions:** 175 mm L x 46 mm Dia
- Weight:** 545 g

TF11

Large Diaphragm FET Condenser



The TF11 is a unique design and a new take on the large diaphragm condenser microphone. Blending an Austrian-inspired voicing similar to the legendary C12 with modern FET high performance, the TF11 features a beautifully open and detailed frequency response with exceptionally fast transient response, high SPL handling, and low self-noise. The compact, Cardioid-only TF11 is versatile, portable, and dependable for all recording environments from home to studio to stage. Countless sources including voice, drum overheads, and acoustic instruments shine when captured with this microphone. Hand-assembled in the USA, the TF11 features a CK12-style edge terminated capsule, premium through-hole components, and a custom UK-made OEP/Carnhill output transformer.



SPECIFICATIONS

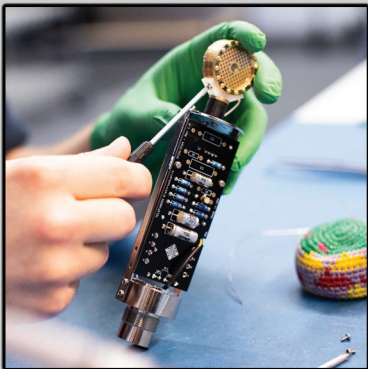
- Polar Pattern:** Cardioid
- Frequency Range:** 20 Hz - 20 kHz, ± 3 dB
- Capsule:** TK51S - Edge Terminated Large Diaphragm
- Amplifier Type:** Transistor (+48V phantom power required)
- Transformer:** OEP/Carnhill T218
- Sensitivity:** 14 mV/Pa, ± 1 dB
- THD at 1 kHz at 1 Pa (Amplifier):** $< 0.01\%$
- Output Impedance:** 110Ω
- Maximum SPL (for 1% THD):** > 135 dB
- S/N Ratio:** 90 dBA
- Self Noise (Amplifier):** 4 dBA
- Dimensions:** 175 mm L x 46 mm Dia
- Weight:** 545 g

TF29
Large Diaphragm Tube Condenser

The TF29 is an original TELEFUNKEN Elektroakustik design that has garnered fans for its natural and non-hyped tonality and unparalleled “quality for price”. It’s a workhorse microphone with a reputation of outstanding sonic performance and value, capable of accurately and honestly capturing vocals, guitars, drums, and nearly any other source put in front of it. The Cardioid-only TF29 Copperhead is easily distinguishable from the TF39 by the addition of the Cardioid symbol on the front of the microphone.

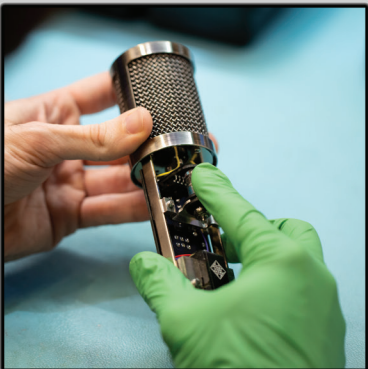
TF39 Copperhead Deluxe

The TF39 is an expansion of the “Copperhead” sound with the addition of 3-pattern selection between Cardioid, Omnidirectional, and Figure-8. This added feature set gives the TF39 greater flexibility and options in the studio.



TF47
Large Diaphragm Tube Condenser

The TF47 is a modern design based on the “German” sound, drawing inspiration from the historic U47 and M49. With a deep low end and a forward midrange, the TF47 is excellent for adding depth and presence to any source. These characteristics make it especially ideal for recording vocals, guitar amps, and drums. At the heart of the TF47 is an all-brass K47-style capsule, new old stock 5840W vacuum tube, and custom-made historically accurate BV8 transformer, as found in the U47. These components deliver a warm and punchy sound, reminiscent of the U47, as well as a pleasant top end articulation that sits perfectly in the mix with a certain authority and weight.



SPECIFICATIONS

- Polar Pattern:** Cardioid (TF29)
Cardioid, Omnidirectional, Figure-8 (TF39)
- Frequency Range:** 20 Hz - 20 kHz, ± 3 dB
- Capsule:** TK67S – Center Terminated Large Diaphragm, Single Membrane (TF29)
TK67 – Center Terminated Large Diaphragm (TF39)
- Tube:** NOS GE 5654W
- Transformer:** Lundahl LL1935
- Sensitivity:** 17 mV/Pa
- THD at 1 kHz at 1 Pa (Amplifier):** < 0.3%
- Output Impedance:** < 300 Ω
- Maximum SPL (for 1% THD):** 130 dB
- S/N Ratio:** 87 dBA
- Self Noise (Amplifier):** 7 dBA
- Dimensions:** 200 mm L x 46 mm Dia
- Weight:** 650 g

SPECIFICATIONS

- Polar Pattern:** Cardioid, Omnidirectional, Figure-8
- Frequency Range:** 20 Hz - 20 kHz, ± 3 dB
- Capsule:** TK47 – Center Terminated Large Diaphragm
- Tube:** NOS Phillips/Raytheon 5840W
- Transformer:** TELEFUNKEN Elektroakustik BV8
- Sensitivity:** 22 mV/Pa
- THD at 1 kHz at 1 Pa (Amplifier):** < 0.3%
- Output Impedance:** < 300 Ω
- Maximum SPL (for 1% THD):** 125 dB
- S/N Ratio:** 84 dBA
- Self Noise (Amplifier):** 10 dBA
- Dimensions:** 200 mm L x 46 mm Dia
- Weight:** 710 g



ALCHEMY SERIES



TF51

Large Diaphragm Tube Condenser

The TF51 is a fresh take on the “Austrian” microphone sound associated with the legendary TELEFUNKEN ELA M 251E and C12. The TF51 continues this legacy, exhibiting a smooth midrange and airy top end and capturing every nuance in pleasant detail. The TF51 is a reliable first choice for stand out vocals, acoustic instruments, and percussion. Similar to the 251E and C12, the TF51 features a CK12-style edge terminated capsule, 6072A vacuum tube, and custom-made Haufe transformer. The combination of these components provides a beautifully open and smooth sonic profile, with a certain level of articulation that can only be described as lifelike.



SPECIFICATIONS

Polar Pattern:	Cardioid, Omnidirectional, Figure-8
Frequency Range:	20 Hz - 20 kHz, ± 3 dB
Capsule:	TK51 - Edge Terminated Large Diaphragm
Tube:	TELEFUNKEN Elektroakustik 6072A
Transformer:	Haufe T31
Sensitivity:	19 mV/Pa
THD at 1 kHz at 1 Pa (Amplifier):	< 0.4%
Output Impedance:	< 300 Ω
Maximum SPL (for 1% THD):	128 dB
S/N Ratio:	86 dBA
Self Noise (Amplifier):	8 dBA
Dimensions:	200 mm L x 46 mm Dia
Weight:	615 g



SDC SERIES

The Small Diaphragm Series features the vacuum tube-based ELA M 260 and the phantom-powered M60 FET microphones, both of which accept the thread-on TK6x Series capsules. Both amplifiers have their strengths, be it the ELA M 260's natural warmth and clarity or the M60's high SPL handling and ultra fast transient response. All assembly and testing of the Small Diaphragm Series occurs in TELEFUNKEN's American facility. Depending on the system configuration, different capsule combinations will be included.

TK6x Series interchangeable capsules feature a 15 mm diameter, 6-micron gold-sputtered membrane. They are designed to easily thread on and off the amplifier body. All TK6x Series capsules are tested in TELEFUNKEN's American facility to a strict ± 1 dB sensitivity tolerance.

TK60 Cardioid – Flat from 150 Hz to 7 kHz with a presence peak at 8 kHz, ideal for drum overheads, acoustic guitar, and other acoustic instruments.

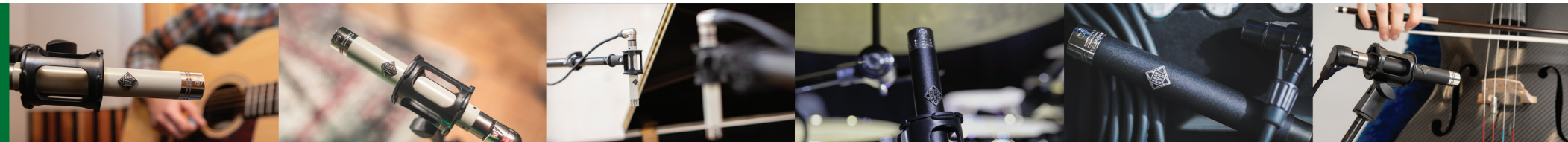
TK61 Omnidirectional – Flat from 20 Hz to 5kHz with a presence peak at 8 kHz. Use with SD40 diffuse field spheres to make the upper midrange frequencies more directional.

TK62 Hypercardioid – Flat from 150 Hz to 3 kHz with a dip at 6 kHz and a presence peak at 8 kHz, excellent for cymbals, percussion, and as a stereo pair for live performance recording.

Additional capsules and accessories are available for purchase directly from TELEFUNKEN.



SDC SERIES



SDC SERIES

ELA M 260

Small Diaphragm Tube Condenser



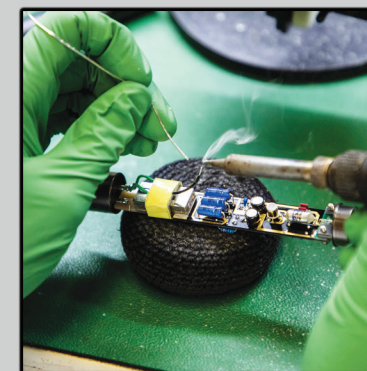
One of the few small diaphragm tube microphones available today, the ELA M 260 is an absolute first choice for acoustic instrument recording. Everything from stringed instruments to drum overheads will benefit from the 260's perfect combination of small diaphragm precision and classic tube warmth. It's tonality and detail when capturing acoustic instruments, especially strings, brass, woodwind and percussion is unrivaled. Hand-built in the USA, the ELA M 260 is available Cardioid only or with all capsule options (Master Set), as well as in Stereo and Tri-Mono (Decca Tree) packages, which include an American-made power supply and matched thread-on interchangeable capsules in a premium flight case.



M60

Small Diaphragm FET Condenser

The M60 is a reinterpretation of the classic phantom-powered pencil mic, featuring an exceptional transient response and SPL handling capabilities. Paired with its impressive clarity and subtle tonality, the M60 excels at capturing acoustic and percussive instruments both in the studio and on the stage. The M60 is hand-assembled in our US facility using premium components and utilizes an ultra-clean, true class-A discrete circuit paired with an American-made transformer. Its unique circuit topology captures a wide frequency range, which means life-like capturing of most sources. The M60's thread-on interchangeable capsules allow the user to easily change polar patterns on the move.



SPECIFICATIONS

Polar Pattern: Cardioid, Omnidirectional, Hypercardioid
Frequency Range: 20 Hz - 20 kHz, ± 3 dB
Capsule: TK60, TK61, TK62 - 15 mm
 Edge Terminated, Thread-on
Tube: NOS Phillips/Raytheon 5840W
Transformer: TELEFUNKEN Elektroakustik T60
Sensitivity: 16.5 mV/Pa ± 1 dB
THD at 1 kHz at 1 Pa (Amplifier): < 0.15%
Output Impedance: 200 Ω
Maximum SPL (for 1% THD): 135 dB
S/N Ratio: 83 dBA
Self Noise (Amplifier): 11 dBA
Dimensions: 140 mm L x 20 mm Dia
Weight: 116 g

SPECIFICATIONS

Polar Pattern: Cardioid, Omnidirectional, Hypercardioid
Frequency Range: 20 Hz - 20 kHz, ± 3 dB
Capsule: TK60, TK61, TK62 - 15 mm
 Edge Terminated, Thread-on
Amplifier Type: Transistor (+48V phantom power required)
Transformer: TELEFUNKEN Elektroakustik T61CT
Sensitivity: 8.6 mV/Pa, ± 1 dB
THD at 1 kHz at 1 Pa (Amplifier): < 0.01%
Output Impedance: 120 Ω
Maximum SPL (for 1% THD): > 130 dB
S/N Ratio: > 89 dBA
Self Noise (Amplifier): ≤ 5 dBA
Dimensions: 140 mm L x 20 mm Dia
Weight: 110 g





DYNAMIC SERIES

Designed and assembled in TELEFUNKEN's American facility, the Dynamic Series microphone models are modern staples in live sound reinforcement and studio recording. Their unmatched sonic performance is mated with intelligent internal construction to provide low handling noise and trustworthy durability.

Each model has its own specific strengths to not only meet the various demands of live sound and studio recording, but also complement the other microphone models in the Series; be it the M80's condenser-like extended high end, the M81's flat frequency response and exceptional midrange, or the M82's superb low frequency capabilities. These tailored attributes allow for a cohesive sound in multi-microphone applications, such as drum sets, vocal groups, and horn sections.

The M80 and M81 are available in low-profile and wireless configurations, as well as in a variety of color and finish combinations through our Custom Shop. The M82, a large diaphragm dynamic with two on-board equalizer switches, excels in both music and broadcast voice applications. All three models are featured in the TELEFUNKEN Drum Packs.



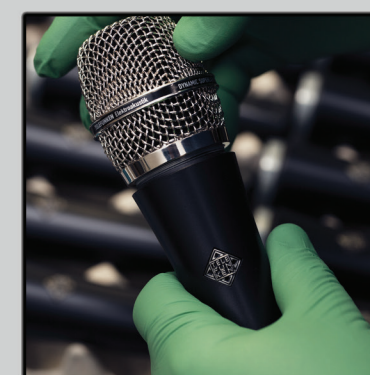
DYNAMIC SERIES

M80

Universal Handheld Dynamic

The M80 has become a staple in live sound reinforcement and studio recording. Its wide frequency response, condenser-like performance, and high SPL capabilities allow the M80 to capture the full range of any sound source, making it a reliable first choice for many sources including lead vocals and snare drum. Featuring a custom-wound impedance-matching transformer, its unmatched performance is mated with intelligent internal construction to provide low handling noise. Hand-assembled in the USA, the M80's rugged build quality is designed to withstand the wear and tear of the road.

The M80 is available in a variety of colors and finishes through our Custom Shop, and in Low-Profile (M80-SH) and Wireless (M80-WH) packages.



SPECIFICATIONS

Polar Pattern: Supercardioid
Frequency Range: 50 Hz - 18 kHz, ± 3 dB
Capsule: 25 mm, Dynamic Moving Coil
Transformer: TELEFUNKEN Elektroakustik T80
Sensitivity: 1.54 mV/Pa
Output Impedance: 325 Ω
Maximum SPL (for 1% THD): 135 dB
Dimensions: 184 mm L x 48 mm Dia
Weight: 430 g



DYNAMIC SERIES

DYNAMIC SERIES

M81

Handheld Dynamic



The M81 is a proven choice for countless sound sources both in the studio and on the stage. It possesses the same condenser-like response, minimal proximity effect, and superior feedback rejection one expects from a TELEFUNKEN Dynamic Series microphone. A smooth frequency response, clarity, and wealth of body make the M81 an ideal tool for taming brighter vocals, guitar tones, and fattening up toms, horns, or other thinner sounding sources. Featuring intelligent design and American-assembled construction, the M81 is an excellent first choice dynamic for most situations.

The M81 is available in a variety of colors and finishes through our Custom Shop, and in Low-Profile (M81-SH) and Wireless (M81-WH) packages.



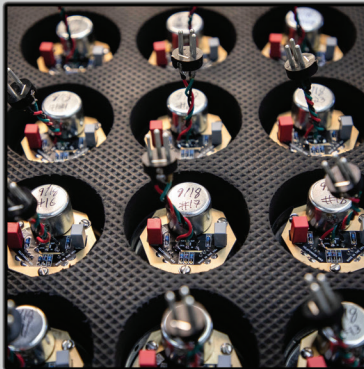
M82

Large Diaphragm Dynamic



The M82 is a robust, end-address microphone that features a large dynamic diaphragm with superb low frequency capabilities. Though it was designed to capture fat and punchy kick drum tones, the two on-board EQ switches make the M82 equally suited for a multitude of sources including vocals, percussion, guitar and bass amplifiers, organ, and brass instruments. Both the KICK EQ and HIGH BOOST switches function independently and give the user the ability to tailor the microphone's response to the source with ease. The M82 is hand-assembled and tested in our American facility.

The M82 is included in all Drum Packs and each mic ships with a 5-meter XLR cable with a right angle female connector.



SPECIFICATIONS

- Polar Pattern:** Supercardioid
- Frequency Range:** 50 Hz - 18 kHz, ± 3 dB
- Capsule:** 25 mm, Dynamic Moving Coil
- Transformer:** TELEFUNKEN Elektroakustik T80
- Sensitivity:** 1.54 mV/Pa
- Output Impedance:** 325 Ω
- Maximum SPL (for 1% THD):** 135 dB
- Dimensions:** 184 mm L x 48 mm Dia
- Weight:** 430 g

SPECIFICATIONS

- Polar Pattern:** Cardioid
- Frequency Range:** 25 Hz - 18 kHz, ± 3 dB
- Kick EQ:** -6 dB at 350 Hz
- High Boost:** +6 dB at 6 kHz to 10 kHz
- Capsule:** 32 mm, Dynamic Moving Coil
- Sensitivity:** 1.85 mV/Pa
- Output Impedance:** 250 Ω
- Maximum SPL (for 1% THD):** 146 dB
- Dimensions:** 155 mm L x 63 mm Dia
- Weight:** 434 g

DYNAMIC SERIES



DYNAMIC SERIES

M80-WH/WH2 & M81-WH/WH2

Wireless Dynamic Microphone Capsules

TELEFUNKEN Elektroakustik offers wireless capsule heads that are designed to mate with either Shure® (-WH) or Sennheiser® (-WH2) wireless microphone transmitters. All models are designed to deliver the same sonic character and high SPL handling as their handheld versions; whether it's the M80's natural, condenser-like performance with a subtle high frequency rise, or the M81's smooth frequency response and exceptional midrange articulation. Their Supercardioid pickup pattern has minimal proximity effect and provides superior feedback rejection.

Wireless headgrilles are available in a variety of colors and finishes through our Custom Shop.



Compatible with the following transmitters:

Wireless Capsule Models	
M80-WH & M81-WH	Shure® Axient, UHF-R, QLX-D, ULX-D, SLX-D, PG, PGX, UR2, ULX, SLX Lectrosonics® HH, Hha Sony® UTX-M03
M80-WH2 & M81-WH2	Sennheiser® EW-D, EW-300 G4, 2000, Digital 9000

M80-SH & M81-SH

Low Profile Dynamic

The compact footprint of the M80-SH and M81-SH makes them ideal for tight-fit applications including drums, guitar amplifiers, and vocal positions for drummers and keyboard players where a full-size microphone may be obstructive. Both models deliver the same sonic character and high SPL handling as their handheld counterparts—whether the M80's natural, condenser-like response with a subtle high-frequency rise or the M81's smooth frequency response and exceptional midrange articulation.

TELEFUNKEN Elektroakustik proudly introduces the redesigned M80-SH and M81-SH, featuring improved performance, reduced weight, and refined aesthetics. The updated design offers a 40% weight reduction and a 10% shorter profile for easier placement in tight spaces.

Each microphone includes vibration-dampening technology, premium accessories, a drum mount, and a TELEFUNKEN right-angle XLR cable for reliable performance.



DYNAMIC SERIES

MULTI/STEREO



Model
M80



Handheld Body
Pink

2

4

ADD TO CART



DRUM PACKS

TELEFUNKEN Elektroakustik Drum Packs include everything you need to take your drum recording and live sound reinforcement to the next level. All four packs include multiple drum mounts and a 5-meter XLR cable with a right-angle female connector for each microphone, all loaded in a road-ready hardshell case. Every set includes an M82 for kick, M80-SH for snare, and M81-SH's for toms. The DC6 and DC7 also include a matched pair of M60 FET's with Cardioid capsules for overheads.



M82



M80-SH



M81-SH



M60

CUSTOM SHOP – Make it your own

Put your own twist on the tried-and-true TELEFUNKEN Elektroakustik Dynamic Series microphones. By using the Custom Shop Configurator found on our webstore, it is easier than ever to mix and match finish combinations until you find what's right for you!

First, choose a microphone model. Both the M80, known for its high-end detail, and the M81, known for its midrange clarity, are available for customization. Handheld and wireless versions of both models can be selected. Next, pick a body finish. An assortment of solid color, wood, and metal finishes are available. Finally, select a headgrille from a range of colors and metal finishes.

There are over 500 possible combinations, which one is right for you?



DC7

Drum Pack	DD4	DD5	DC6	DC7
M82	X	X	X	X
M80-SH	X	X	X	X
M81-SH	2X	3X	2X	3X
M60			2X	2X





TUBE STEREO SETS

A selection of TELEFUNKEN Elektroakustik tube microphones are available as stereo sets, each including two meticulously matched microphones and a dual power supply in a premium flight case. The American-made power supply is capable of powering both microphones at one time and the included carrying case easily holds both sets of microphones, cables, and accessories. Frequency matched pairs of the Alchemy Series microphones are also available. All critical components, including the capsules, tubes and transformers, are hand-selected and tested for matched gain and frequency response. These sets offer the user the knowledge and comfort that the tools they are using will give identical responses for the most critical stereo recording.

FET STEREO SETS

The small diaphragm M60 and large diaphragm TF11 & TF17 Stereo Sets include precision gain matched amplifiers and frequency matched capsules in a convenient carrying case, ideal for live sound applications as well as studio recording. The FET amplifier circuit that the microphone designs are centered around provides incredibly fast transient response, which captures nuances and subtleties with impressive precision and clarity. In stereo applications this results in an extremely detailed sonic image with definition and presence, perfectly suited for the complex character of stringed instruments and percussive sources.

Matched pairs of M60's with Cardioid capsules are included in the DC6 and DC7 Drum Packs.



ELA M 260

ELA M 251E

TF47



M60 Master Stereo Set



TDP-1 & TDP-2

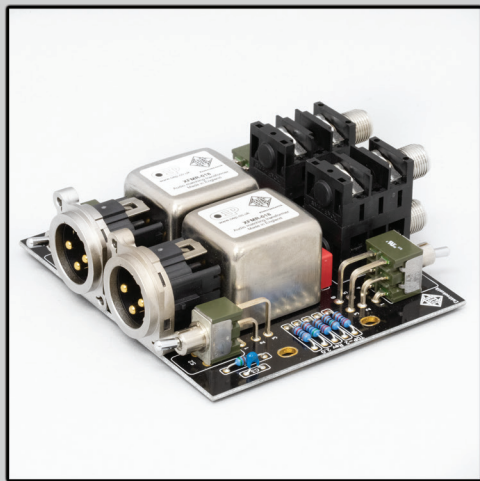
Passive DI's

The 1-channel TDP-1 and 2-channel TDP-2 passive direct boxes combine premium through-hole components, European-made transformers and rugged, road-ready construction to deliver rich, warm tone in any environment. Boasting an ultra-flat frequency response with extremely low distortion and self-noise, the TDP direct boxes excel at capturing everything from synthesizers and keyboards to acoustic-electric guitar and electric bass with a certain subtle and unique character. At the heart of all TELEFUNKEN Elektroakustik direct boxes are custom-wound output transformers made in England by OEP/Carnhill. Each channel features premium metal Amphenol connectors and recessed metal switches to engage the -15 dB pad and ground lift. These elements combined with premium passive components (including 1% tolerance metal film resistors, and WIMA and Nichicon capacitors) are all housed in a rugged aluminum chassis designed to withstand the wear and tear of the road. Like all TELEFUNKEN microphones, all TDP direct boxes are assembled and critically tested in Connecticut, USA.

TDP-1



TDP-2



TDA-1 & TDA-2

Active DI's

The 1-channel TDA-1 and 2-channel TDA-2 phantom powered direct boxes utilize top quality components in a modern take on classic circuitry to deliver a full, rich sound that both complements and retains the natural tone and character of the instrument. By pairing discrete Class-A FET circuitry with a high quality, European-made transformer and a rugged metal enclosure, the TDA DI's provide exemplary sound quality and reliable performance. The circuit boasts a frequency response of ± 2 dB from 20 Hz to 70 kHz with extremely low distortion and self-noise, and each individual unit is manually tuned for the lowest possible distortion figure in TELEFUNKEN's US facility. This careful attention to detail and high-quality component choices result in a harmonically rich low end and a detailed, open high-end. On the TDA-2, each channel features its own independent -15dB pad, ground lift, and +48V phantom power LED indicator. Every TDA unit is assembled, tuned and tested in Connecticut, USA.

TDA-1



TDA-2

FEATURES

- Custom-wound OEP/Carnhill transformer, made in the UK
- ± 1 dB from 10 Hz to 70 kHz
- Switchable -15 dB pad and ground lift
- All metal construction
- Recessed switches and connectors
- 100% through-hole components
- Assembled and tested in the USA

FEATURES

- Custom-wound OEP/Carnhill transformer, made in the UK
- Phantom powered class-A discrete FET circuitry
- Switchable -15 dB pad and ground lift
- All metal construction
- Recessed switches and connectors
- 100% through-hole components
- Assembled, tuned and tested in the USA



TUBES



CABLES

Black Diamond Series

TELEFUNKEN vacuum tubes have been the benchmark of excellence in all audio applications, both production and reproduction, for many decades. This rich history continues with the Black Diamond Series tubes, manufactured in partnership with JJ Electronic of Slovakia. Designed to be harmonically rich and tonally balanced, Black Diamond Series tubes can breathe new life into your guitar amplifier or home hi-fi system. Rigorously tested, cryogenically treated and extensively burned-in, Black Diamond Series tubes are exemplary examples of Eastern European tube construction and deliver solid, consistent performance and tone. TELEFUNKEN offers the Black Diamond Series tubes to guitarists, DIYers, and hi-fi enthusiasts alike as some of the highest quality tubes being manufactured today.

Tube types available:	
Preamplifier	Power
• E88CC-TK	• 6L6GC-TK
• ECC82-TK	• 6V6-TK
• ECC83-TK	• 6550-TK
	• EL34-TK
Rectifier	• EL84-TK
• GZ34	• KT88-TK



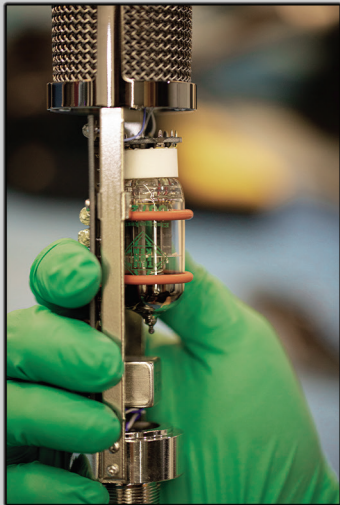
Microphone Replacement

Critically tested in our American facility for noise, microphonics and gain specifically for use in microphone circuits. Matching is available upon request.

VF14K – Drop in replacement for the VF14M/VF14 tube found in original U47 and U48 microphones. The VF14K consists of a NOS glass tube and passive circuitry housed in a plug and play case. No modification is necessary to the original circuit. 5 year warranty.



6072A – Low noise dual triode used in countless microphone designs including the 251E and C12. Premium new stock version made in Russia and screened TELEFUNKEN Elektroakustik only after rigorous testing.



STMC

Studio Series XLR and TRS Cables

The American-made STMC Studio Series cables have been designed to achieve perfect sonic transmission of sound signals for all critical studio and stage applications. Featuring four high-strand count oxygen free copper conductors sealed in audiophile-grade, low loss polyethylene insulators and a braided copper shield, STMC cables provide precise, lossless transmission. A copper braid shield is added for additional RFI and EMI noise rejection, resulting in a premium audio cable offering sonic accuracy and clarity, as well as the legendary tone TELEFUNKEN products

Features

- Designed and manufactured in the USA by AccuSound
- High-purity copper conductors for exceptional signal transfer
- High density copper braid shield for maximum RMI and EMI noise rejection
- Audiophile grade insulators ensure accurate signal transfer
- Premium Neutrik 24k gold-plated copper pin connectors
- 5 year “no fault” warranty



SGMC

Stage Series XLR Cables

TELEFUNKEN Elektroakustik’s Stage Series microphone cables has been engineered for use on live sound stages and in recording studios. Featuring cable made from 100% Copper wire, the Stage Series cables feature all-black right angle or straight connectors, making them ideal for lower profile applications around the drum set and percussion rig, as well as on vocals and instruments. Available in assorted lengths with either right angle or straight connectors, the SGMC microphone cables are ideal for use on all audio

Features

- 100% copper conductors for excellent signal transfer
- Copper braid shield for maximum RMI and EMI noise rejection
- Low capacitance for detailed, transparent sound quality
- TELEFUNKEN cable tie wrap included
- Right Angle Female XLR connectors (5R and 10R only)
- 1 year warranty





Parts & Accessories

Whether you're looking for a custom color headgrille for your TELEFUNKEN stage mic, a new shock mount or pop filter, or a historically accurate replacement part for your vintage 251 or U47, we've got you covered.



Apparel

Show your support for the brand with our wide selection of wearables, including high-end enhancing hats and the industry's best sounding t-shirts.

Merchandise

Goods for the home and studio all featuring the classic TELEFUNKEN Diamond logo. Magnets, stickers, cable ties and more!



LIVE FROM THE LAB



Ryan Montbleau – Live From The Lab
SEASON 8

Ryan Montbleau Band - "Nervous" TELEFUNKEN
RYA MONTBLEAU NERV

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Nervous	↓
Microphones used in this session	ⓘ
Featured Products	ⓘ

Briana Maia – Live From The Lab
SEASON 8

Briana Maia - "Safety" TELEFUNKEN
BRIANA MAIA "SAFETY"

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Safety	↓
Over You	↓
Pretty Peace	↓
Microphones used in this session	ⓘ
Featured Products	ⓘ

Jesse Terry – Live From The Lab – Copy
SEASON 8

Jesse Terry - "Someone In Repair" TELEFUNKEN
JESSE TERRY "SOMEONE IN REPAIR"

DOWNLOAD MULTITRACKS

Someone In Repair	↓
Microphones used in this session	ⓘ
Featured Products	ⓘ

The **LIVE FROM THE LAB** live music video series is recorded and filmed at **TELEFUNKEN Elektroakustik's** facility in South Windsor, CT. Each session is tracked live exclusively with **TELEFUNKEN** microphones and features unique performances from a variety of local, regional, national, and international artists and ensembles. Performances premiere on our YouTube channel, with select sessions offering downloadable multi-tracks.



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