

Technical Specifications

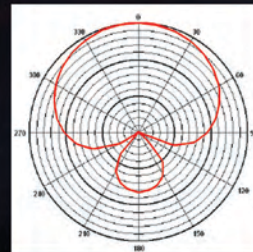
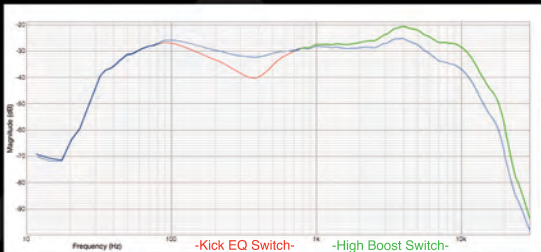
Type	Dynamic
Capsule	32 mm Dynamic Moving Coil
Polar Pattern	Cardioid
Frequency Range	25 Hz - 18 kHz, ± 3 dB
Sensitivity	1.85 mV/Pa, ± 1 dB
Impedance	250 Ω
Maximum SPL	146 dB (for 1% THD)
Weight	434 g
Size	155 mm L x 63 mm Dia
Connector Type	3-pin standard XLR



TELEFUNKEN

Elektroakustik

M82



Accessories

The M82 Dynamic System comes with the following:

- M82 Dynamic Microphone
- M 782 Threaded Stand Mount
- SGMC-5R 5-Meter Right Angle XLR Cable
- ZB82 Microphone Zipper Bag
- M82 User Manual

Optional accessories for purchase:

- M 700 Elastic Shock Mount for Broadcast and Studio Applications

Warranty Info

TELEFUNKEN Elektroakustik, LLC warrants that this M82 microphone is free from defects in material and workmanship for the period of one (1) year from the original date of purchase, and agrees to repair or replace any part which, under normal installation and use, discloses such a defect. This is provided that the M82 microphone is delivered to TELEFUNKEN Elektroakustik intact for examination within 1 year of the original date of purchase, and provided that such examination discloses, in the judgment of TELEFUNKEN Elektroakustik that it is thus defective.

This warranty does not apply to: (a) to damage caused by use with non-TELEFUNKEN Elektroakustik products; (b) to damage caused by accident, abuse, misuse, flood, fire earthquake, or other external causes; (c) to damage caused by operating the product outside of the permitted or intended uses described by TELEFUNKEN Elektroakustik; (d) to damage caused by service (including upgrades) performed by anyone who is not a representative of TELEFUNKEN Elektroakustik or a TELEFUNKEN Elektroakustik authorized service provider; (e) to a product or part that has been modified to alter functionality or capability without the written permission of TELEFUNKEN Elektroakustik; (f) to cosmetic damage, including but not limited to scratches and dents.

The length of this warranty shall not be extended for any reason without the expressed written consent of TELEFUNKEN Elektroakustik, LLC.



END ADDRESS DYNAMIC MICROPHONE

M82 DYNAMIC MICROPHONE

The M82 is a large diaphragm dynamic microphone with superb low frequency capabilities. Though it was designed for kick drum, 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.

On kick drum, the M82 is both fat and punchy. When placed just inside the hole of the resonant head, the M82's tailored frequency response captures both the beater attack and shell resonance without the need for multiple microphones.

The M82 is an end-address microphone, meaning the top of the microphone should face the sound source. It features two separate EQ switches: KICK EQ and HIGH BOOST. These two switches function independently of each other, which yields four unique frequency responses. This gives the user the ability to tailor the microphone's response to the source with ease.

The KICK EQ engages a passive notch filter that attenuates 6 dB at 350 Hz. This midrange frequency is commonly cut when processing kick drum. Cutting this frequency is known to reduce the muddy and boxy sound associated with many drums, which helps create a more defined tone.

The HIGH BOOST engages a high shelf boost starting around 2 kHz with a 6 dB boost by 10 kHz. For kick drum use, this allows for more beater attack when placed inside a kick drum. This gives the option to have either a vintage style kick drum sound or a more modern sound. For a source such as vocals or guitar amps, the high boost provides further articulation and airiness in the upper register.

Construction wise, the M82 borrows heavily from the U47 body style by employing a headgrille of similar architecture. Finished in a durable smooth black finish on the headgrille and body, the M82 was rigorously tested to ensure it could handle the rugged role of a kick drum microphone for both studio and live environments. The M82 is hand-assembled and tested in our American facility.

The M82 is included in all Drum Packs and is also available in a Broadcast package.



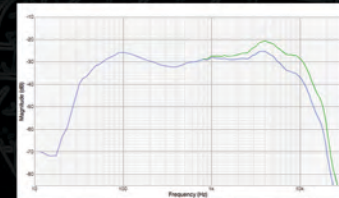
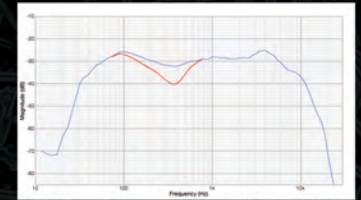
**TWO SWITCHES
FOUR SOUNDS**



Switch Function

The M82 is designed with two switchable EQ settings. This gives the user four distinct EQ curves to select the ideal response for the sound source.

KICK EQ is a low midrange notch filter that provides a 6 dB bandcut at 350 Hz, which removes the boxy character of the kick drum, which adds definition. Though this was designed for kick drum, this EQ also caters to bass amps or any source in need of clearing up the low midrange.



HIGH BOOST is a high frequency boost. This engages a slow rising shelf on the frequency response starting around 2 kHz and opens up the capsule's top end 6 dB at 10 kHz. This is great for added high-end presence of your source.

Applications

The M82 is designed for both professional recording and live sound reinforcement. Remember that it is an end-address microphone. For a balanced kick drum response, it is recommended to place the M82 half way into the port the of the resonant head.



With this placement, use EQ Setting 4. The KICK EQ's tailored frequency response is designed to capture both the beater and shell resonance without the need for multiple microphones. With this, a huge body of lows is achieved, while removing the muddiness. With the HIGH BOOST engaged, the perfect amount of beater attack is captured, adding punch and clarity.



Below are some suggested application notes for each EQ setting.

Setting 1

- Kick EQ – Off / High Boost – Off
- Vocals
 - Clean electric guitar
 - Brass & woodwind instruments

Setting 2

- Kick EQ – Off / High Boost – On
- Broadcast voice
 - Distorted guitar amps
 - Mallet-based percussion

Setting 3

- Kick EQ – On / High Boost – Off
- Vintage kick drum sound
 - Bass cab
 - Organ leslie cabinet bottom

Setting 4

- Kick EQ – On / High Boost – On
- Modern kick drum sound
 - Floor and rack toms
 - Kick drum without resonant head