

WA-87 R2 TS

LARGE-DIAPHRAGM FET CONDENSER MICROPHONE | STEREO PAIR
LIMITED EDITION TITANIUM

Model Number: WA-87 R2 TS

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WARM[™]
AUDIO

THANK YOU!

Thank you for purchasing the Warm Audio WA-87 R2 TS. We feel this product package offers the best in terms of sound, function, and vibe from the classic era of analog recording. We don't cut corners when it comes to what goes into our products, and the WA-87 R2 TS is no exception.

The WA-87 R2 TS is inspired by one of the greatest studio mics ever designed, offered in a stereo pair, with a limited edition titanium finish. An instant hit upon arrival in the late sixties, the original microphone has been the mic of choice for countless artists and hit recordings. Just like the most prized vintage units, the WA-87 R2 mic captures present mids, clear high end, and tight bass. The overall "Hi-fi" sound profile of the mic helps it stand out in front of mixes to let the vocals shine. Not only a vocal mic, the WA-87 R2 TS pair works great for acoustic guitar, stereo overheads, stereo piano, orchestral, and much more. We at Warm Audio are very excited to continue to make one of the most iconic studio mics accessible in a stereo pair with professional accessories, and we hope you try it on many recording applications.

Bryce Young

President

Warm Audio

Austin, Texas USA

Limited Edition Titanium Stereo Pair Package Includes:

(2X) WA-87 R2 TS Microphones, (2X) Titanium Shock Mounts, (2X) Leatherette Cases, (2X) Hard Mounts, (1X) Heavy Duty SKB Black Flight Case With Custom Serial Number

REGISTER YOUR WA-87 R2 TS!

Before we begin, please take the time to visit www.warmaudio.com to register your product. To ensure you receive proper and uninterrupted warranty support for your product, please register your unit within 14 days from purchase.

WARRANTY STATEMENT

Warm Audio warranties this product to be free from defect in materials and workmanship for one year from the date of purchase, for the original purchaser to whom this equipment is registered. This warranty is non-transferrable.

This warranty is void in the event of damage incurred from unauthorized service to this unit, or from electrical or mechanical modification to this unit. This warranty does not cover damage resulting from abuse, accidental damage, misuse, improper electrical conditions such as mis-wiring, incorrect voltage or frequency, unstable power, disconnection from earth ground (for products requiring a 3 pin, grounded power cable), or from exposure to hostile environmental conditions such as moisture, humidity, smoke, fire, sand or other debris, and extreme temperatures.

Warm Audio will, at its sole discretion, repair or replace this product in a timely manner. This limited warranty extends only to products determined to be defective and does not cover incidental costs such as equipment rental, loss of revenue, etc. Please visit us at www.warmaudio.com for more information on your warranty, or to request warranty service.

This warranty applies to products sold in the United States of America. For warranty information in any other country, please refer to your local Warm Audio distributor. This warranty provides specific legal rights, which may vary from state to state. Depending on the state in which you live, you may have rights in addition to those covered in this statement. Please refer to your state laws or see your local Warm Audio retailer for more information.

NON-WARRANTY SERVICE

If you have a defective unit that is outside of our warranty period or conditions; we are still here for you and can get your unit working again for a modest service fee. Please visit us at www.warmaudio.com to contact us about setting up a repair or for more information.

With the proper care, your Warm Audio gear should last a lifetime and provide a lifetime of enjoyment. We believe the best advertisement we can have is a properly working unit being put to great use. Let's work together to make it happen.

NOW LET'S GET STARTED!

INTRODUCTION

The WA-87 R2 TS is an authentic reproduction of one of the greatest studio mics ever designed. Based on a classic 60s circuit that is widely considered to be the top choice for clarity in vocals and acoustic instruments, we spent countless hours over two revisions trying to get closer to the original vintage 87s than any current producer has. With the WA-87 R2 line of mics, we believe we've achieved that goal. The WA-87 R2 uses top-quality components like an NOS Fairchild transistor and high-bandwidth polystyrene and film capacitors from Wima. The WA-87 R2 uses a custom-wound CineMag USA output transformer. We also employed the same capsule from the first version of the WA-87, which was designed to the exact specifications of the capsules found in vintage mics from the 60s and 70s. The result is an incredibly accurate sonic replica of arguably the widest-used studio microphone in popular recording history!

Stunning Sound & Appearance - Times Two

The WA-87 R2 TS mics are encased in a heavy, strong and large nickel-plated brass body with a limited edition "titanium" colored finish. The rounded head basket design adds additional space around the capsule for a more pleasing, open sonic signature. With authentic vintage warmth and a smooth detailed top end, we truly believe this mic performs on par with microphones costing five times as much or more. Stereo recording applications open up a new world with the WA-87 R2 line of mics. Think: stereo overheads, stereo acoustic guitar, stereo piano. No matter what else you've got in your mic locker, the WA-87 R2 TS set is sure to become one of your favorite go-to microphone setups!

Limited Edition Titanium Stereo Pair Package Includes: (2X) WA-87 R2 TS Microphones, (2X) Titanium Shock Mounts, (2X) Leatherette Cases, (2X) Hard Mounts, (1X) Heavy Duty SKB Black Flight Case With Custom Serial Number

The Capsule

The K-87 style capsule inside the WA-87 R2 is an authentic reproduction of the K7-style capsule found in the most prized vintage 87 mics from the late 60s and early 70s. Unlike inexpensive condenser capsules, the capsule inside the WA-87 R2 is able to capture intricate detail and clarity in the midrange, all the way through to treble frequencies without being too harsh in the highs. The bass is tight and natural, making the WA-87 R2 a great mic to capture any acoustic source.

The Transformer

The WA-87 R2 utilizes a custom, American-Made CineMag output transformer. The transformer inside the WA-87 R2 adds a richness to the midrange and harmonic overtones to the mic that can only be heard on vintage microphones and the highest quality recreations. Even though, like the original, the WA-87 R2 is excellent at delivering clarity and brilliance, the transformer ensures that the mic still has all the warmth and sizzle of a vintage condenser mic.

The High-Pass Filter

High-pass filters help remove unwanted noise that can muddy up recordings, especially in mixes with dense track counts. The high-pass filter switch on the WA-87 R2 engages an 80hz high pass filter for reducing rumble and other sub-bass audio information. To engage the high pass filter, flip the switch towards the “bent” line, for a flat response (high-pass disengaged), flip the switch towards the flat line.

The 10dB Pad

The -10dB pad on the WA-87 R2 helps remove sensitivity from the mic at the source - the capsule. This is best used when working with high-SPL sources to add a little headroom to avoid unwanted distortion and add clarity to the tracking signal. To engage the pad, flip the switch towards the ‘-10dB’ marker, to use the normal output level, flip the switch towards the ‘0’ marker.

The Pattern Select Switch

This switch selects the polar pattern for the WA-87 R2’s capsule. The three polar pattern options are (from left to right) Omnidirectional, Cardioid, and Figure-Eight. The cardioid pattern will give a focused “right in front” sound, rejecting noise from the sides and back. Omni will deliver the spacious sound of the source and the room - including reflections, no noise rejection. The figure-8 pattern will reproduce sound from directly in front of and behind the mic, rejecting noise from the sides.

The Accessories

The WA-87 R2 TS package comes with separate matching titanium-finished shock mounts and hard mounts for each mic. The set also includes individual leatherette cases for each microphone, and the whole package comes in a genuine SKB molded case for ultimate protection from the rigors of transportation.

SPECIFICATIONS

- Large-Diaphragm FET Condenser Microphone
- Authentic Reproduction Of The Most Popular Studio Vocal Mic Of All Time
- Custom CineMag USA Transformer
- Reproduction Of The Classic Dual-Backplate K87-Style Capsule With Four-Wire Termination
- Diaphragm: 6-Micron Thickness, 1-Inch Diameter, Gold-Sputtered Membrane, NOS Mylar (Pet Film)
- NOS Fairchild Transistors
- WIMA & Nichicon Capacitors
- Polar Patterns: Cardioid, Omnidirectional, Figure-8
- Frequency Response: 20 Hz-20 kHz
- SPL: .5% THD @ 125dB (Without Pad), 132dB
- Noise: -117dB
- 10dB Pad & 80Hz High-Pass Filter
- Nickel-Plated Brass Body With Limited Edition Titanium Finish
- 48v Phantom Power Required
- Package Includes: (2X) WA-87 R2 TS Microphones, (2X) Titanium Shock Mounts, (2X) Leatherette Cases, (2X) Hard Mounts, (1X) Heavy Duty SKB Black Flight Case With Custom Serial Number

SPÉCIFICATIONS (FRANÇAIS)

- Microphone à condensateur à grande membrane FET
- Reproduction authentique du microphone vocal de studio le plus populaire de tous les temps
- Transformateur personnalisé CineMag USA
- Reproduction de la capsule K87 à double plaque arrière classique avec terminaison à quatre fils
- Diaphragme : épaisseur de 6 microns, diamètre de 1 pouce, membrane dorée à sputtering, Mylar NOS (film polyester)
- Transistors NOS Fairchild
- Condensateurs WIMA & Nichicon
- Directivités : cardioïde, omnidirectionnelle, en huit
- Réponse en fréquence : 20 Hz-20 kHz
- Niveau de pression acoustique : 0,5% de distorsion harmonique totale à 125 dB (sans atténuateur), 132 dB
- Bruit : -117 dB
- Atténuateur de 10 dB & filtre passe-haut à 80 Hz
- Corps en laiton plaqué nickel avec finition en titane en édition limitée
- Alimentation fantôme 48V requise
- Le package comprend : (2X) Microphones WA-87 R2 TS, (2X) Suspensions antichocs en titane, (2X) Étuis en similicuir, (2X) Montures fixes, (1X) Flight case noir SKB robuste avec numéro de série personnalisé

ESPECIFICACIONES (ESPAÑOL)

- Micrófono de condensador de gran diafragma FET
- Reproducción auténtica del micrófono vocal de estudio más popular de todos los tiempos
- Transformador personalizado CineMag USA
- Reproducción de la cápsula clásica de doble placa posterior de estilo K87 con terminación de cuatro cables
- Diafragma: Grosor de 6 micrones, diámetro de 1 pulgada, membrana dorada con sputtering, Mylar NOS (película de poliéster)
- Transistores NOS Fairchild
- Condensadores WIMA & Nichicon
- Patrones polares: Cardioide, Omnidireccional, Figura-8
- Respuesta en frecuencia: 20 Hz-20 kHz
- Nivel de presión sonora: 0.5% de THD a 125 dB (sin atenuador), 132 dB
- Ruido: -117 dB
- Atenuador de 10 dB y filtro paso alto de 80 Hz
- Cuerpo de latón niquelado con acabado de titanio de edición limitada
- Se requieren 48V de alimentación fantasma
- El paquete incluye: (2X) Micrófonos WA-87 R2 TS, (2X) Soportes antivibratorios de titanio, (2X) Estuches de piel sintética, (2X) Monturas fijas, (1X) Estuche de vuelo negro SKB resistente con número de serie personalizado

SPEZIFIKATIONEN (DEUTSCH)

- Großmembran-FET-Kondensatormikrofon
- Authentische Reproduktion des beliebtesten Studiogesangsmikrofons aller Zeiten
- Benutzerdefinierter CineMag USA-Transformator
- Reproduktion der klassischen Dual-Backplate-K87-Kapsel mit Vierdraht-Anschluss
- Diaphragma: 6-Mikron-Dicke, 1-Zoll-Durchmesser, vergoldete Membran, NOS Mylar (PET-Folie)
- NOS Fairchild-Transistoren
- WIMA & Nichicon-Kondensatoren
- Richtcharakteristiken: Nierenförmig, Kugelförmig, Achtform
- Frequenzgang: 20 Hz-20 kHz
- Schalldruckpegel: 0,5% THD bei 125 dB (ohne Dämpfung), 132 dB
- Rauschen: -117 dB
- 10 dB Dämpfung & 80 Hz Hochpassfilter
- Nickelbeschichteter Messingkörper mit limitierter Titan-Finish-Edition
- 48V Phantomspeisung erforderlich
- Paket beinhaltet: (2X) WA-87 R2 TS Mikrofone, (2X) Titan-Schwingungsdämpfer, (2X) Lederetuis, (2X) Harte Montagen, (1X) Heavy-Duty-SKB-Schwarzer Flightcase mit individueller Seriennummer

SPECIFICHE (ITALIANO)

- Microfono a condensatore a grande diaframma FET
- Riproduzione autentica del microfono vocale da studio più popolare di tutti i tempi
- Trasformatore personalizzato CineMag USA
- Riproduzione della classica capsula a doppia piastra posteriore stile K87 con terminazione a quattro fili
- Diaframma: Spessore di 6 micron, diametro di 1 pollice, membrana placcata in oro, Mylar NOS (film PET)
- Transistor NOS Fairchild
- Condensatori WIMA & Nichicon
- Pattern polari: Cardioide, Omnidirezionale, A forma di otto
- Risposta in frequenza: 20 Hz-20 kHz
- SPL: .5% THD @ 125dB (senza pad), 132dB
- Rumore: -117dB
- Pad da 10dB e filtro passa-alto a 80Hz
- Corpo in ottone placcato nichel con finitura in titanio in edizione limitata
- Richiesta alimentazione Phantom 48v
- Il pacchetto include: (2X) Microfoni WA-87 R2 TS, (2X) Sospensioni antivibrazioni in titanio, (2X) Custodie in similpelle, (2X) Montaggi rigidi, (1X) Custodia rigida nera per volo SKB con numero di serie personalizzato

规格 (中文)

- 大膜FET电容麦克风
- 真实再现有史以来最受欢迎的录音室人声麦克风
- 定制CineMag美国变压器
- 复制经典的双背板K87式胶囊，四线终端
- 振膜：6微米厚度，1英寸直径，镀金膜，NOS聚酯膜
- NOS Fairchild晶体管
- WIMA和Nichicon电容器
- 极性图案：心形，全向，八字型
- 频率响应：20 Hz-20 kHz
- SPL：125dB（无衰减）时0.5% THD，132dB
- 噪音：-117dB
- 10dB衰减器和80Hz高通滤波器
- 镀镍黄铜机身，限量版钛金属饰面
- 需要48V幻象电源
- 包装包括：(2X) WA-87 R2 TS麦克风，(2X) 钛金属减震支架，(2X) 仿皮套，(2X) 硬贴装，(1X) 带自定义序列号的重型SKB黑色飞行箱

사양 (한국어)

- 대막막 FET 컨덴서 마이크
- 모든 시간의 가장 인기있는 스튜디오 보컬 마이크의 진정한 재현
- 맞춤 CineMag 미국 트랜스포머
- 클래식한 이중 백플레이트 K87 스타일 캡슐의 복제, 4선 종료
- 진동판: 두께 6 마이크론, 지름 1인치, 금메, NOS 마일러 (PET 필름)
- NOS 페어차일드 트랜지스터
- WIMA 및 니치콘 캐패시터
- 극성 패턴: 카디오이드, 전방향, 8자형
- 주파수 응답: 20 Hz-20 kHz
- SPL: 패드 없이 125dB에서 0.5% THD, 132dB
- 노이즈: -117dB
- 10dB 패드 및 80Hz 하이패스 필터
- 닉켈 도금된 황동 바디, 한정판 티타늄 마감
- 48V 팬텀 파워 필요
- 패키지 포함: (2X) WA-87 R2 TS 마이크, (2X) 티타늄 쇼크 마운트, (2X) 가죽 케이스, (2X) 하드 마운트, (1X) 사용자 정의 시리얼 번호가있는 헤비 듀티 SKB 블랙 플라이트 케이스

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