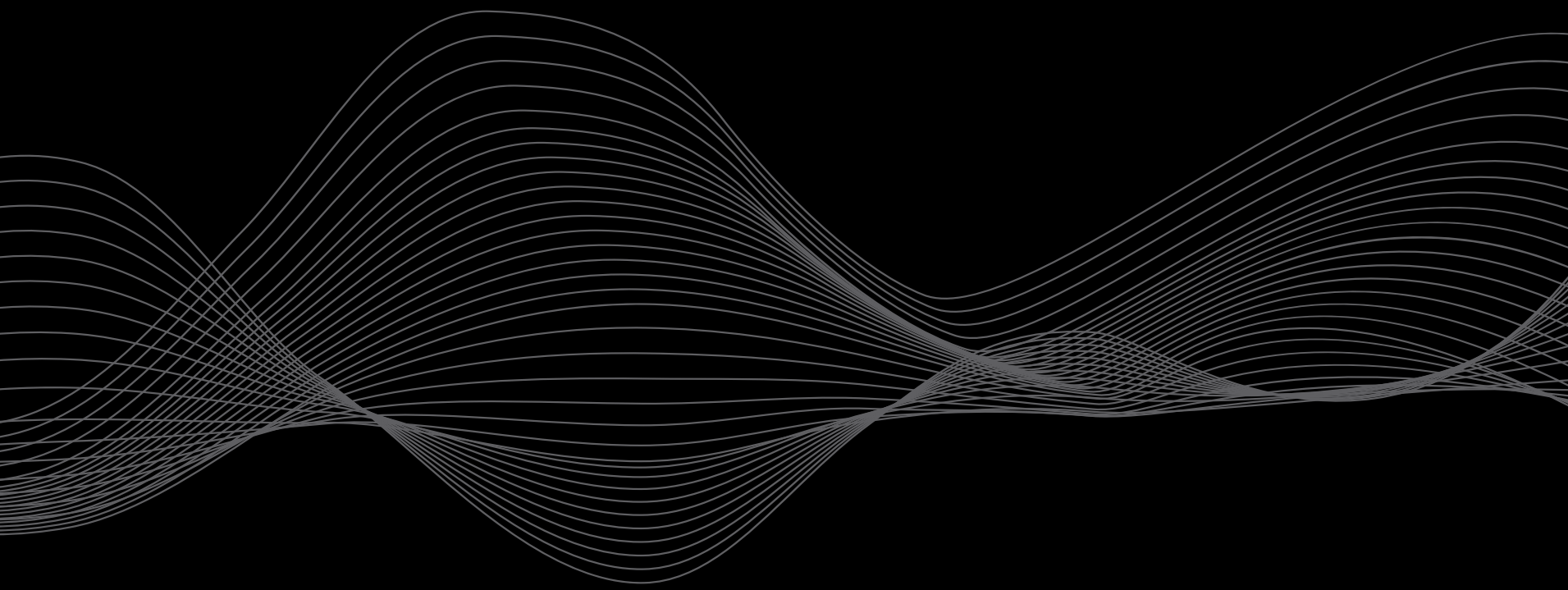


# WARM

AUDIO



Product Catalog

Microphone Preamps | Compressors | Equalizers | Microphones

## Microphone Preamplifiers



### WA73 One Channel British Mic Pre

- Single Channel, Class A, '73-style British Microphone Preamp.
- UK made Custom Carnhill Transformers.
- Hand wired and hand assembled.
- Fully discrete.
- 80dB gain.

\$ 599 USD | 649 € INC VAT

(Page 1)



### WA73-EQ One Channel British Mic Pre & EQ

- Single Channel, Class A, '73-style British Microphone Preamp & EQ.
- UK made Custom Carnhill Transformers.
- Hand wired and hand assembled.
- Fully discrete.
- 80dB gain.

\$ 799 USD | 899 € INC VAT

(Page 4)



### WA273 Two Channel British Mic Pre

- Dual Channel, Class A, '73-style British Microphone Preamp.
- UK made Custom Carnhill Transformers.
- Hand wired and hand assembled.
- Fully discrete.
- 80dB gain.

\$ 999 USD | 1099 € INC VAT

(Page 7)



### WA273-EQ Two Channel British Mic Pre & EQ

- Dual Channel, Class A, '73-style British Microphone Preamp & EQ.
- UK made Custom Carnhill Transformers.
- Hand wired and hand assembled.
- Fully discrete.
- 80dB gain.

\$ 1499 USD | 1649 € INC VAT

(Page 10)

## Microphone Preamplifiers



### WA12 MKII Discrete Mic Pre

- Custom USA CineMag transformers.
- 71dB of gain.
- Fully discrete signal path.
- Discrete 6-pin socketed 1731 style opamp.
- Variable impedance input.

\$ 469 USD | 499 € INC VAT

(Page 13)



### WA12 - 500 MKII Discrete Mic Pre

- Custom USA CineMag transformers.
- 71dB of gain.
- Fully discrete signal path.
- Discrete 6-pin socketed 1731 style opamp.
- Variable impedance input.

\$ 419 USD | 449 € INC VAT

(Page 16)



### TB12 "Tone Beast" Tone Shaping Mic Pre

- Custom USA CineMag transformers.
- 71dB of gain.
- Fully discrete signal path.
- 2 discrete 6-pin socketed opamps.
- Variable impedance input.

\$ 599 USD | 649 € INC VAT

(Page 19)



### TB12 - 500 "Tone Beast" Tone Shaping Mic Pre

- Custom USA CineMag transformers.
- 71dB of gain.
- Fully discrete signal path.
- 2 discrete 6-pin socketed opamps.
- Variable impedance input.

\$ 549 USD | 599 € INC VAT

(Page 22)

# Microphone Preamplifier, Compressors & Equalizer



## WA-412 Four Channel Mic Pre

- 4 Channel Microphone Preamplifier + Instrument DI.
- Fully discrete, transformer coupled, through-hole component topology
- Custom Altran USA Transformers.
- X520 discrete op-amp in every channel.
- 65dB of gain.

\$ 1199 USD | 1349 € INC VAT

(Page 27)



## WA76 Discrete Compressor

- Custom CineMag USA Transformers.
- True to the Classic '76 compressor in design and performance.
- Fully discrete signal path.
- Modeled after the D revision.
- Supports the famous "all buttons in" ratio setting.

\$ 599 USD | 649 € INC VAT

(Page 30)



## WA-2A Opto Compressor

- '2A Style, Transformer balanced, high voltage, opto tube compressor.
- Custom CineMag USA Transformers.
- USA made Kenetek opto-cell attenuator T4' style module.
- Premium Tung-Sol and Electro-Harmonix tubes.

\$ 899 USD | 999 € INC VAT

(Page 33)



## EQP-WA Tube Equalizer

- Tube Equalizer based on the classic "Pultec" EQP-1A.
- Custom CineMag USA Transformers.
- Tung-Sol 12AX7 and 12AU7 tubes.
- CineMag inductor EQ section.

\$ 699 USD | 749 € INC VAT

(Page 36)



## Microphones



### WA-47jr FET Condenser Microphone

- FET transformerless '47-style condenser microphone.
- Custom true '47 capsule reproduction (k47 style).
- Capsule: Gold sputtered, dual large diaphragm, 6 microns NOS mylar.
- Toshiba FET's, Wima film capacitors, Panasonic electrolytic capacitors.
- Three Polar Patterns.

\$ 299 USD | 349 € INC VAT

(Page 39)



### WA-14 Condenser Microphone

- 414 EB-style large condenser microphone
- Custom edge-terminated, all-brass capsule reproduction (CK12 style).
- Custom CineMag USA transformer.
- Three Polar Patterns.

\$ 499 USD | 549 € INC VAT

(Page 43)



### WA-87 Condenser Microphone

- '87-style large condenser studio microphone.
- Capsule: Reproduction of classic dual backplate (four wire termination) K87.
- Diaphragm: Gold sputtered, 1 inch diameter, 6 microns NOS mylar (PET film).
- Custom CineMag USA transformer.
- Three Polar Patterns.

\$ 599 USD | 649 € INC VAT

(Page 47)



### WA-47 Tube Condenser Microphone

- '47-style large tube condenser microphone.
- Custom true '47 capsule reproduction (k47 style).
- Capsule: Gold sputtered, dual large diaphragm, 6 microns NOS mylar.
- TAB-Funkenwerk (AMI) USA output transformer.
- JJ Slovak 5751 vacuum tube.
- Wima, Solen French, and Polystyrene capacitors.
- Nine Polar Patterns.

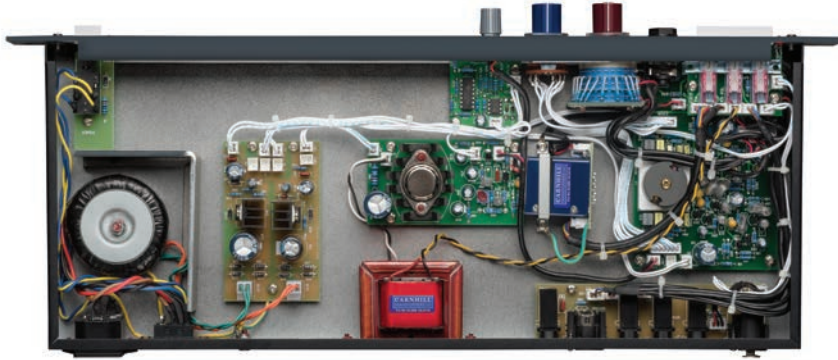
\$ 899 USD | 999 € INC VAT

(Page 51)

# WA73

## SINGLE CHANNEL BRITISH MIC PRE





## A Single Channel '73 For The Rest Of Us

If there's one style of preamp that professional engineers would unanimously agree has defined the tone of pop/rock records for decades, it would most definitely be the venerable '73-style of mic pre. '73-style preamps have been massively used in recording and live applications for many years and are still considered to be the "Holy Grail" of preamp choices today. The Warm Audio "WA73 Family" consists of single and dual channel '73-style preamps (with & w/out EQ), that each pay careful homage to British audio history.

When we at Warm Audio decided to release the WA73 it was imperative that it met vintage expectation in both design and performance. The tone and sweet character that vintage '73-style mic preamps impart is so unique and familiar, that we had only the pure desire to release sonically accurate reproductions. After years of R&D, careful reverse-engineering, and countless hours of auditioning, the WA73 has been born!

The WA73 is a "Desert Island" boutique preamp, but it can also be classified as a studio and live work-horse. Classic '73-style preamps are known for being versatile tools that work with all kinds of microphones from Condenser, to Dynamic, to Ribbon. The WA73 equally shines on all types of microphones and sources including; vocals, acoustic/electric guitars, bass, drums, percussion, orchestras, keyboards, and even as a tone shaping tool to run partial or complete mixes through. With 80dB of gain and a fully discrete Carnhill Transformer balanced signal path, there's no recording, mixing or engineering task that the WA73 can't handle.

## Hand Wired & Hand Assembled

Classic '73-style preamps were often hand-wired and so is the WA73! Guru's claim that a portion of the sought after classic British tone can be attributed to the hand-wired nature of the build. The WA73 is hand-wired and hand assembled, including the pcb components that are all populated by hand.

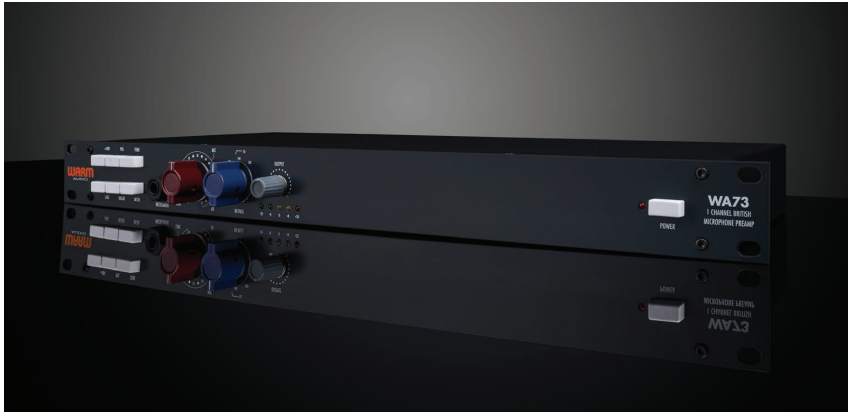
## UK Custom Carnhill Transformers

Enthusiasts unequivocally get excited about the components used in classic '73-style British preamps. The signal transformers are a common topic of conversation. Vintage units used various versions of transformers throughout the years, but the most coveted were the earliest versions. These are regarded as the most desirable choice due to their fluid and forgiving nature. They saturate sweetly when pushed, and have been known to make engineers cry when they hear how beautiful their mixes sound through them! Warm Audio worked closely with Carnhill Transformers of Cambridgeshire, UK, to design faithful reproductions of these most coveted, early version transformers. We at Warm Audio have not yet heard a modern day '73-style preamp sound as sweet and musical as does our WA73 with these beautiful custom Transformers.



## Capacitors & Signal Path

An important part of classic British tone not often discussed are the different styles of capacitors and output transistor used in '73-style circuits. We found it important to maintain integrity to early British designs by using tantalum and polystyrene capacitors in the signal path and an output transistor choice that is much smoother in the high gain settings than what is typically found in modern '73-style preamps.



## Specifications

- Single Channel, Class A, '73-style British Microphone Preamp.
- UK made Carnhill Transformers.
- Hand wired, hand assembled.
- 80dB of gain - resistor stepped gain switch.
- Fully discrete.
- TONE button - Changes input transformer impedance for varying tone.
- Polarity switch.
- 48v phantom power.
- 4 position inductor based hipass filter - 50, 80, 160, 300 Hz.
- XLR mic input.
- Line level TRS input.
- TS Send/Receive insert jacks.
- XLR & TRS line level outputs.
- Direct In, instrument input.
- Output control.
- Led level indication.
- 19" rackable.
- Ground lift switch.
- Internal IEC 115v/230v power inlet.

## Pricing

\$ 599 USD | 649 € INC VAT

P3 - WA73 [Single Channel British Mic Pre]

Omni Sound Studios ~ Nashville, TN ~ Photography By Lucas Hathaway



"Just like the original, these preamps make things sound huge, impressive, and important. I will have several of these in my rack!"

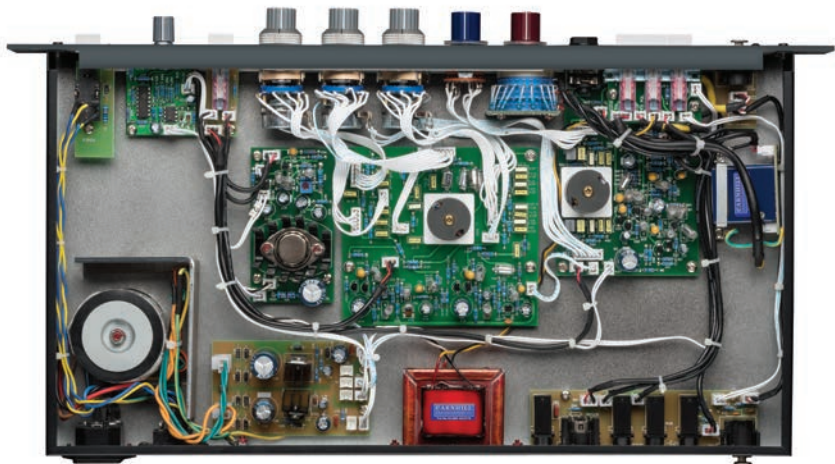
Joe Carrell ~ Omni Sound Studios ~ Grammy Nominated Producer  
(Thousand Foot Krutch, Tasji Bachman, Sanctus Real, Pauline Reese)

# WA73-EQ

SINGLE CHANNEL BRITISH MIC PRE & EQ







## A Single Channel '73 For The Rest Of Us

If there's one style of preamp that professional engineers would unanimously agree has defined the tone of pop/rock records for decades, it would most definitely be the venerable '73-style of mic pre. '73-style preamps have been massively used in recording and live applications for many years and are still considered to be the "Holy Grail" of preamp choices today. The Warm Audio "WA73 Family" consists of single and dual channel '73-style preamps (with & w/out EQ), that each pay careful homage to British audio history.

When we at Warm Audio decided to release the WA73-EQ it was imperative that it met vintage expectation in both design and performance. The tone and sweet character that vintage '73-style mic preamps impart is so unique and familiar, that we had only the pure desire to release sonically accurate reproductions. After years of R&D, careful reverse-engineering, and countless hours of auditioning, the WA73-EQ has been born!

The WA73-EQ is a "Desert Island" boutique preamp, but it can also be classified as a studio and live work-horse. Classic '73-style preamps are known for being versatile tools that work with all kinds of microphones from Condenser, to Dynamic, to Ribbon. The WA73-EQ equally shines on all types of microphones and sources including; vocals, acoustic/electric guitars, bass, drums, percussion, orchestras, keyboards, and even as a tone shaping tool to run partial or complete mixes through. With 80dB of gain and a fully discrete Carnhill Transformer balanced signal path, there's no recording, mixing or engineering task that the WA73-EQ can't handle.

## Hand Wired & Hand Assembled

Classic '73-style preamps were often hand-wired and so is the WA73-EQ! Guru's claim that a portion of the sought after classic British tone can be attributed to the hand-wired nature of the build. The WA73-EQ is hand-wired and hand assembled, including the pcb components that are all populated by hand.

## UK Custom Carnhill Transformers

Enthusiasts unequivocally get excited about the components used in classic '73-style British preamps. The signal transformers are a common topic of conversation. Vintage units used various versions of transformers throughout the years, but the most coveted were the earliest versions. These are regarded as the most desirable choice due to their fluid and forgiving nature. They saturate sweetly when pushed, and have been known to make engineers cry when they hear how beautiful their mixes sound through them! Warm Audio worked closely with Carnhill Transformers of Cambridgeshire, UK, to design faithful reproductions of these most coveted, early version transformers. We at Warm Audio have not yet heard a modern day '73-style preamp sound as sweet and musical as does our WA73-EQ with these beautiful custom Transformers.



## Capacitors & Signal Path

An important part of the classic British circuits not often discussed are the different styles of capacitors and output transistor used. We found it important to maintain integrity to the original design by using tantalum and polystyrene capacitors in the signal path and an output transistor choice that is much smoother in the high gain settings than what is typically found in modern '73-style reproductions.

## UK Blore Edwards Switch-Pots

An important part of classic British tone not often discussed are the different styles of capacitors and output transistor used in '73-style circuits. We found it important to maintain integrity to early British designs by using tantalum and polystyrene capacitors in the signal path and an output transistor choice that is much smoother in the high gain settings than what is typically found in modern '73-style preamps.



### Specifications

- Single Channel, Class A, '73-style British Microphone Preamp with EQ.
- UK made Carnhill Transformers.
- UK made - Blore Edwards EQ dual-concentric switch potentiometers.
- Hand Wired, hand assembled.
- 80dB of gain - resistor stepped gain switch.
- Fully discrete.
- TONE button - Changes input transformer impedance for varying tone.
- Polarity switch.
- 48v phantom power.
- Inductor based 3 band EQ.
- Low Band Boost/Cut - 35, 60, 110, 220 Hz.
- Mid Band Boost/Cut - 360, 700, 1600, 3200, 4800, 7200 Hz.
- High Band Boost/Cut - 10, 12, 16 kHz.
- Additional high band frequency EQ points added (compared to vintage '73).
- 4 position inductor based hipass filter - 50, 80, 160, 300 Hz.
- XLR mic inputs (front & back).
- Line level TRS input.
- TS Send/Receive insert jacks.
- XLR & TRS line level outputs.
- Direct In, instrument input.
- Output control.
- Led level indication.
- Freq response 20Hz - 20kHz +/- .5 dB.
- 19" rackable.
- Internal IEC 11.5v/230v power inlet.

### Pricing

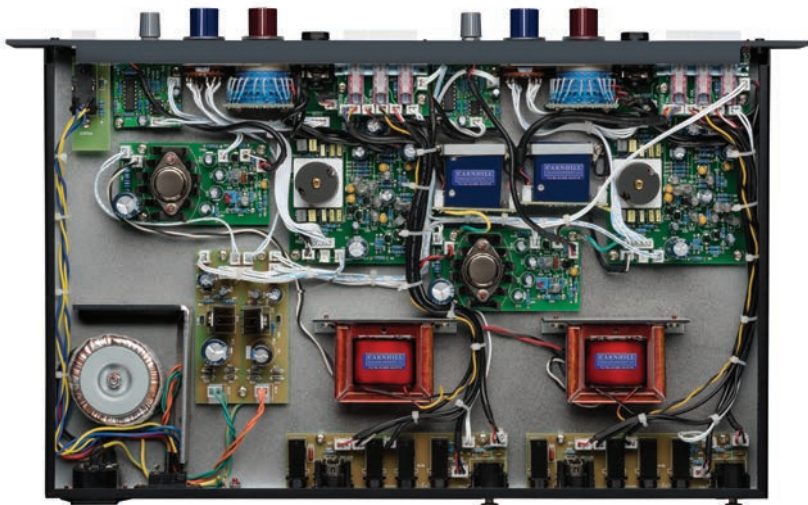
\$ 799 USD | 899 € INC VAT



# WA273

## DUAL CHANNEL BRITISH MIC PRE





## A Dual Channel '73 For The Rest Of Us

If there's one style of preamp that professional engineers would unanimously agree has defined the tone of pop/rock records for decades, it would most definitely be the venerable '73-style of mic pre. '73-style preamps have been massively used in recording and live applications for many years and are still considered to be the "Holy Grail" of preamp choices today. The Warm Audio "WA73 Family" consists of single and dual channel '73-style preamps (with & w/out EQ), that each pay careful homage to British audio history.

When we at Warm Audio decided to release the WA273 it was imperative that it met vintage expectation in both design and performance. The tone and sweet character that vintage '73-style mic preamps impart is so unique and familiar, that we had only the pure desire to release sonically accurate reproductions. After years of R&D, careful reverse-engineering, and countless hours of auditioning, the WA273 has been born!

The WA273 is a "Desert Island" boutique preamp, but it can also be classified as a studio and live work-horse. Classic '73-style preamps are known for being versatile tools that work with all kinds of microphones from Condenser, to Dynamic, to Ribbon. The WA273 equally shines on all types of microphones and sources including; vocals, acoustic/electric guitars, bass, drums, percussion, orchestras, keyboards, and even as a tone shaping tool to run partial or complete mixes through. With 80dB of gain and a fully discrete Carnhill Transformer balanced signal path, there's no recording, mixing or engineering task that the WA273 can't handle.

## Hand Wired & Hand Assembled

Classic '73-style preamps were often hand-wired and so is the WA273! Guru's claim that a portion of the sought after classic British tone can be attributed to the hand-wired nature of the build. The WA273 is hand-wired and hand assembled, including the pcb components that are all populated by hand.

## UK Custom Carnhill Transformers

Enthusiasts unequivocally get excited about the components used in classic '73-style British preamps. The signal transformers are a common topic of conversation. Vintage units used various versions of transformers throughout the years, but the most coveted were the earliest versions. These are regarded as the most desirable choice due to their fluid and forgiving nature. They saturate sweetly when pushed, and have been known to make engineers cry when they hear how beautiful their mixes sound through them! Warm Audio worked closely with Carnhill Transformers of Cambridgeshire, UK, to design faithful reproductions of these most coveted, early version transformers. We at Warm Audio have not yet heard a modern day '73-style preamp sound as sweet and musical as does our WA273 with these beautiful custom Transformers.



## Capacitors & Signal Path

An important part of classic British tone not often discussed are the different styles of capacitors and output transistor used in '73-style circuits. We found it important to maintain integrity to early British designs by using tantalum and polystyrene capacitors in the signal path and an output transistor choice that is much smoother in the high gain settings than what is typically found in modern '73-style preamps.



## Specifications

- Dual Channel, Class A, '73-Style British Microphone Preamp.
- UK made Carnhill Transformers.
- Hand Wired, hand assembled.
- 80dB of gain - resistor stepped gain switch.
- Fully discrete.
- TONE button - Changes input transformer impedance for varying tone.
- Polarity switch.
- 48v phantom power.
- 4 position inductor based hipass filter - 50, 80, 160, 300 Hz.
- XLR mic input.
- Line level TRS input.
- TS Send/Receive insert jacks.
- XLR & TRS line level outputs.
- Direct In, instrument input.
- Freq response 20Hz - 20kHz +/- .5 dB.
- 19" rackable.
- Internal IEC 115v/230v power inlet.

## Pricing

\$ 999 USD | 1099 € INC VAT

P9 - WA273 [Dual Channel British Mic Pre.]



Photography Provided By: Ryan Bingham

*"When I first dialed in the new gear I received from Warm Audio, I was blown away. You just can't help but notice how big and full everything sounds in the room."*

**Ryan Bingham**

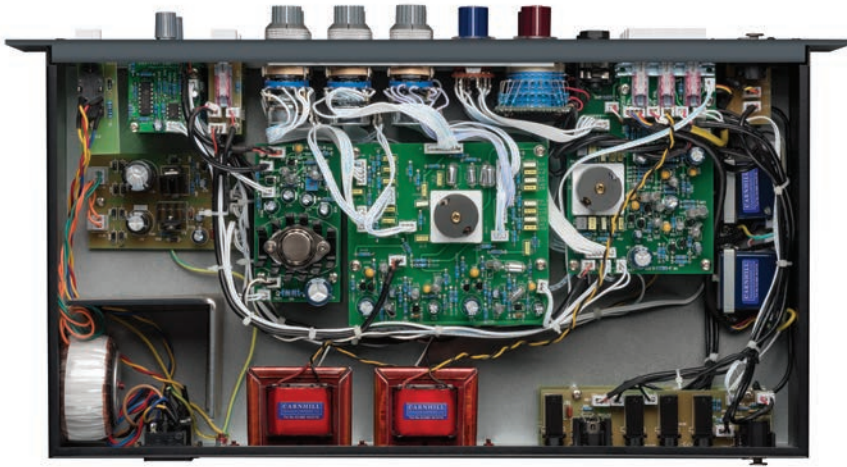
(Singer/Songwriter, Musician & Producer)



# WA273-EQ

DUAL CHANNEL BRITISH MIC PRE & EQ





## A Dual Channel '73 For The Rest Of Us

If there's one style of preamp that professional engineers would unanimously agree has defined the tone of pop/rock records for decades, it would most definitely be the venerable '73-style of mic pre. '73-style preamps have been massively used in recording and live applications for many years and are still considered to be the "Holy Grail" of preamp choices today. The Warm Audio "WA73 Family" consists of single and dual channel '73-style preamps (with & w/out EQ), that each pay careful homage to British audio history.

When we at Warm Audio decided to release the WA273-EQ it was imperative that it met vintage expectation in both design and performance. The tone and sweet character that vintage '73-style mic preamps impart is so unique and familiar, that we had only the pure desire to release sonically accurate reproductions. After years of R&D, careful reverse-engineering, and countless hours of auditioning, the WA273-EQ has been born!

The WA273-EQ is a "Desert Island" boutique preamp, but it can also be classified as a studio and live work-horse. Classic '73-style preamps are known for being versatile tools that work with all kinds of microphones from Condenser, to Dynamic, to Ribbon. The WA273-EQ equally shines on all types of microphones and sources including; vocals, acoustic/electric guitars, bass, drums, percussion, orchestras, keyboards, and even as a tone shaping tool to run partial or complete mixes through. With 80dB of gain and a fully discrete Carnhill Transformer balanced signal path, there's no recording, mixing or engineering task that the WA273-EQ can't handle.

## Hand Wired & Hand Assembled

Classic '73-style preamps were often hand-wired and so is the WA273-EQ! Guru's claim that a portion of the sought after classic British tone can be attributed to the hand-wired nature of the build. The WA273-EQ is hand-wired and hand assembled, including the pcb components that are all populated by hand.

## UK Custom Carnhill Transformers

Enthusiasts unequivocally get excited about the components used in classic '73-style British preamps. The signal transformers are a common topic of conversation. Vintage units used various versions of transformers throughout the years, but the most coveted were the earliest versions. These are regarded as the most desirable choice due to their fluid and forgiving nature. They saturate sweetly when pushed, and have been known to make engineers cry when they hear how beautiful their mixes sound through them! Warm Audio worked closely with Carnhill Transformers of Cambridgeshire, UK, to design faithful reproductions of these most coveted, early version transformers. We at Warm Audio have not yet heard a modern day '73-style preamp sound as sweet and musical as does our WA273-EQ with these beautiful custom Transformers.

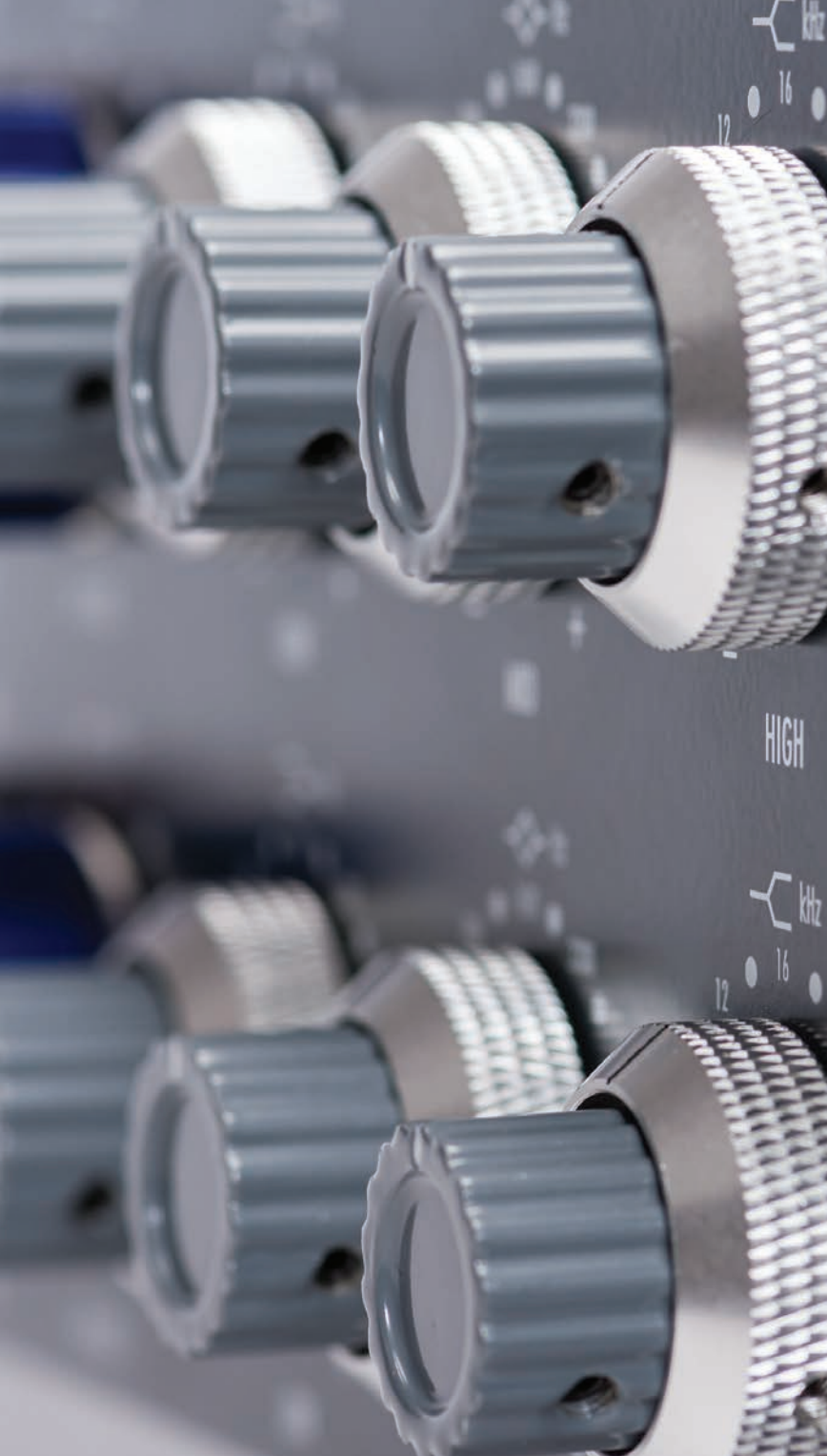


## Capacitors & Signal Path

An important part of these classic British circuits not often discussed is the different styles of capacitors and output transistor used. We found it important to maintain integrity to the original design by using tantalum and polystyrene capacitors in the signal path and an output transistor choice that is much smoother in the high gain settings than what is typically found in modern '73-style reproductions.

## UK Blore Edwards Switch-Pots

A great sounding '73-style circuit should be just as reliable as it is great sounding. The complex dual concentric switch potentiometers in the EQ sections of the WA273-EQ are made in the UK by Blore Edwards who manufacture military spec switches and potentiometers. The use of Blore-Edwards components is no small inclusion for a '73-style preampeg in this price range.



### Specifications

- 2 Channel, Class A, '73-style British Microphone Preamp with EQ.
- UK made Carnhill Transformers.
- UK made - Blore Edwards EQ dual-concentric switch potentiometers.
- Hand Wired, hand assembled.
- 80dB of gain - resistor stepped gain switch.
- Fully discrete.
- TONE button - Changes input transformer impedance for varying tone.
- Polarity switch.
- 48v phantom power.
- Inductor based 3 band EQ.
- Low Band Boost/Cut - 35, 60, 110, 220 Hz.
- Mid Band Boost/Cut - 360, 700, 1600, 3200, 4800, 7200 Hz.
- High Band Boost/Cut - 10, 12, 16 kHz.
- Additional high band frequency EQ points added (compared to vintage '73).
- 4 position inductor based hipass filter - 50, 80, 160, 300 Hz.
- XLR mic inputs (front & back).
- Line level TRS input.
- TS Send/Receive insert jacks.
- XLR & TRS line level outputs.
- Direct In, instrument input.
- Output control.
- Led level indication.
- Freq response 20Hz - 20kHz +/- .5 dB.
- 19" rackable.
- Internal IEC 115v/230v power inlet.

### Pricing

\$ 1499 USD | 1649 € INC VAT

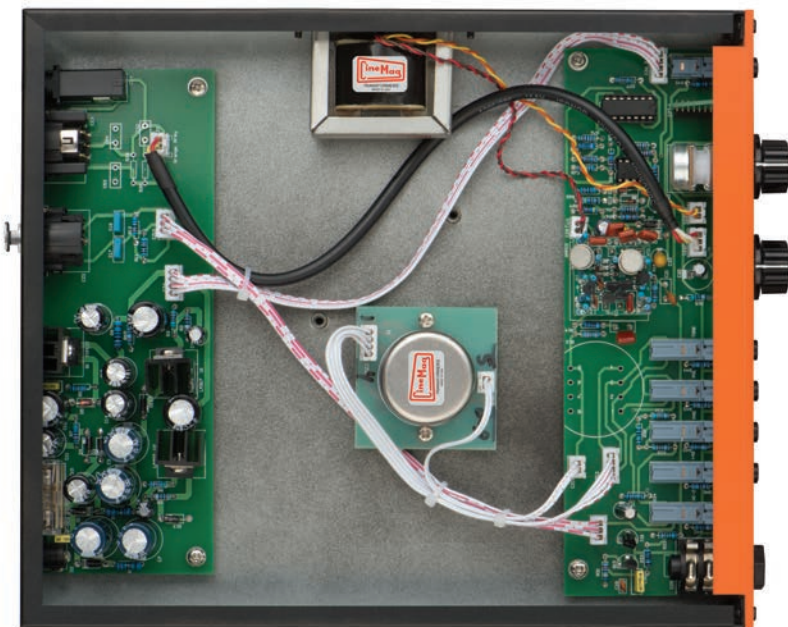


# WA12 MKII

## DISCRETE MICROPHONE PREAMPLIFIER







## Raising The Volume

A lot of preamps on the market do a good job of raising the volume of mics and instruments. Unfortunately, many pres are doing only that, raising volume. The “Super clean” designs of today often leave the signal exiting the preamp sounding much the same as it did entering it.

If you are looking for a preamp to improve and shape your signal you will most definitely love the WA12 MKII. The WA12 MKII is designed to transform plain instruments and vocals into exciting tone. If your mixes lack depth, struggle to sound alive, or are just missing that professional touch you’ve always wanted, there is a good chance you will love the WA12 MKII.

## Packed With Performance

The WA12 MKII is a completely discrete, high voltage, dual-transformer microphone preamplifier design with high gain (+71dB), high headroom, low noise, and an exciting sonic performance – great for all types of recording applications. A high quality mic preamp is one of the most critical pieces needed to achieve the elusive ‘larger than life’ sound, and the WA12 MKII is more than capable of delivering.



The WA12 MKII is based around a discrete op-amp, the X731, which is our own reproduction of the vintage classic Melcor 1731, considered by some to be the warmer predecessor to the modern 2520-style op-amp. The X731 can achieve vibrant, clean and lifelike tones; but can also be driven into mild saturation at much higher gain levels. The effects can be subtle, but very pleasing to the ear. The WA12 MKII can also accept any discrete op-amp on the market which conforms to the +/-16v, 2520 pinout standard.

## Premium Components In Every Product

When developing the WA12 MKII our ears played a big part in the design process. Using CineMag USA transformers and an all discrete signal path ensured that the WA12 MKII would have the building blocks to compete with the best sounding preamps on the market. We are very proud to offer such a robust/professional design in a small and affordable package.





## Specifications

- Utilizes premium grade input and output USA CineMag transformers.
- 71dB of Gain, fully discrete signal path.
- Utilizes a discrete 6-pin socketed 1731 style opamp. Can be replaced with other 6-pin "2520 foot-print" opamps for varying tone/flavor.
- TONE button – Switches the input impedance from 600 ohms to 150 ohms. Changes the tone of both the mic and HI-Z inputs.
- 2 Meg Ohm True HI-Z input on front panel. Sends instrument signal through entire circuit including both Cinemag Transformers and discrete opamp. Great for guitars, bass, keyboards and other instruments that have a 1/4" output jack.
- Mic level balanced input: XLR.
- Balanced outputs: XLR and 1/4"/TRS.
- 48 volt Phantom Power.
- Output attenuation control (after the CineMag output transformer) allows for driving the preamp and transformers into saturation.
- LED Meter gain indication.
- 20dB pad.

## Pricing

\$469 USD | 499 € INC VAT

P15 - WA12 MKII [Discrete Microphone Preamplifier]

Photography Provided By Andy Sneap



*"The WA12 MKII is a great little pre that travels in my mobile rig with me around the world."*

*Andy Sneap ~ Backstage Recording Studio  
(Megadeth, Accept, Exodus, Hell, Killswitch, Onslaught, Testament)*

# WA12 - 500 MKII

## DISCRETE MICROPHONE PREAMPLIFIER







## Raising The Volume

If A lot of preamps on the market do a good job of raising the volume of mics and instruments. Unfortunately, many pres are doing only that, raising volume. The “Super clean” designs of today often leave the signal exiting the preamp sounding much the same as it did entering it.

If you are looking for a preamp to improve and shape your signal you will most definitely love the WA12-500 MKII. The WA12-500 MKII is designed to transform plain instruments and vocals into exciting tone. If your mixes lack depth, struggle to sound alive, or are just missing that professional touch you’ve always wanted, there is a good chance you will love the WA12-500 MKII.

## Packed With Performance

The WA12-500 MKII is a completely discrete, high voltage, dual-transformer microphone preamplifier design with high gain (+71dB), high headroom, low noise, and an exciting sonic performance – great for all types of recording applications. A high quality mic preamp is one of the most critical pieces needed to achieve the elusive ‘larger than life’ sound, and the WA12-500 MKII is more than capable of delivering. The WA12-500 MKII is based around a discrete op-amp, the X731, which is our own reproduction of the vintage classic Melcor 1731, considered by some to be the warmer predecessor to the modern 2520-style op-amp. The X731 can achieve vibrant, clean and lifelike tones; but can also be driven into mild saturation at much higher gain levels. The effects can be subtle, but very pleasing to the ear. The WA12-500 MKII can also accept any discrete op-amp on the market that conforms to the +/-16v, 2520 pinout standard.

## Premium Components In Every Product

When developing the WA12-500 MKII our ears played a big part in the design process. Using CineMag USA transformers and an all discrete signal path ensured that the WA12-500 MKII would have the building blocks to compete with the best preamps on the market. We are very proud to offer such a robust/professional design in a small and affordable package.





*"Warm Audio truly aided in delivering a standout vocal chain for our record!"*

*Kyle Hawken & Larissa Vale ~ Black Satellite*

*(Alternative Rock Duo)*

*Photography Provided By Black Satellite*



### Specifications

- Utilizes premium grade input and output USA CineMag transformers.
- 71dB of Gain, fully discrete signal path.
- Utilizes a discrete 6-pin socketed 1731 style opamp. Can be replaced with other 6-pin "2520 footprint" opamps for varying tone/flavor.
- TONE button – Switches the input impedance from 600 ohms to 150 ohms. Changes the tone of both the mic and Hi-Z inputs.
- 2 Meg Ohm True Hi-Z input on front panel. Sends instrument signal through entire circuit including both Cinemag Transformers and the discrete opamp. Great for guitars, bass, keyboards and other instruments that have a 1/4" output jack.
- 48 volt Phantom Power.
- Output attenuation control (after the CineMag output transformer) allows for driving the preamp and transformers into saturation.
- LED Meter gain indication.
- 20dB pad.

### Pricing

\$ 419 USD | 449 € INC VAT

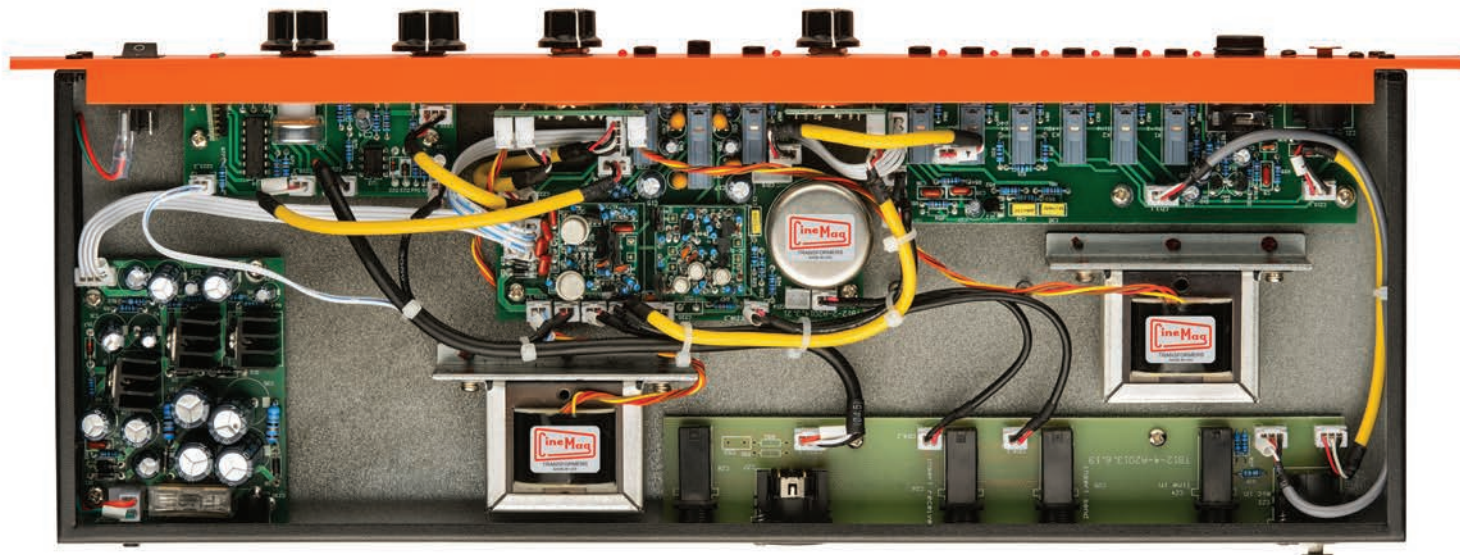
**P18 - WA12 - 500 MKII** [Discrete Microphone Preamplifier]

# TB12 "TONE BEAST"

## TONE SHAPING MICROPHONE PREAMPLIFIER







## Unleash The Beast!

The TB12 Tone Beast is a fully professional preamp design with loads of gain that can effortlessly capture an array of sources very well. It is a Swiss army knife full of options and tones. With top notch CineMag transformers and multiple discrete signal paths, it's hard to beat the Tone Beast's big, bold, fully-professional sound at this price.

The Tone Beast is a mic pre that likes to be pushed and when pushed will colorize your signal ever so sweetly. The 2 opamps and 2 output transformers at the flip of their switches won't appear to be much different, but as one drives the pre into harmonic distortion, the unique character of each of these components becomes apparent. The Tone Beast is customizable and allows users to source and swap in their own opamps. I've pulled my best tones from this pre right at the saturation point (as loud as I can push the gain before clipping). The output control on the TB12 allows you to limit the signal exiting the preamp even when pushing the gain to really hot levels, giving you maximum control.

## Tone Shaping Mic Preamp w/DI - Made Affordable

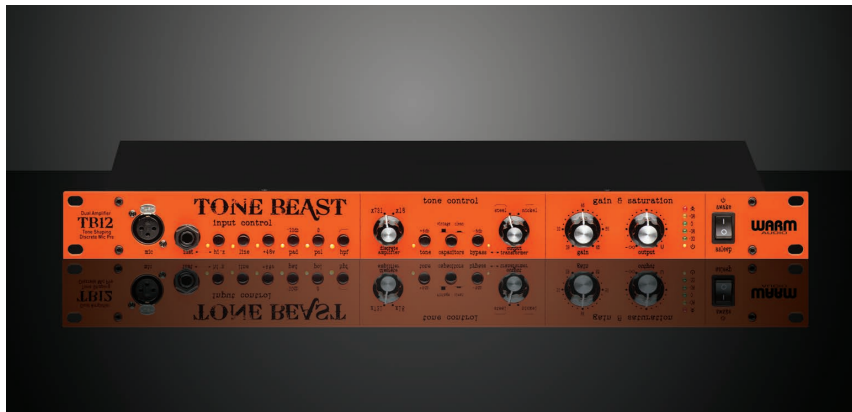
When designing the TB12 Tone Beast our goal was to make a microphone preamplifier affordable and jam packed full of options, without compromising the quality and design parameters that make this type of microphone preamplifier so desirable.

## Premium Components In Every Warm Audio Product

The TB12 "Tone Beast" is a fully discrete, high-voltage microphone preamplifier, utilizing CineMag USA Transformers. Have no fear of hurting the Beast, you can push it very hard into full-on distortions if you wish, and these can sound quite nice on electric guitar, bass or anything else that likes some grit. When hand building mic pres I learned a bit about the "subtle" differences component choices can make. A little change here, and another there often times became a huge deal in a finished mix, but isn't always very noticeable at first take. The different component options in the TB12 are subtle, but when driven into saturation are noticeable and can make a big difference to the way your final mix will sound. Home-based musicians and professional studios alike will find the Tone Beast to be an extremely powerful and fully professional piece of gear that is capable of warming and shaping signals/mixes in a way that is very pleasing to the ear.







## Specifications

- Utilizes premium grade CineMag USA Transformers.
- 71dB of gain.
- Transformer selection provides both Steel and 50% Nickel CineMag output transformers for varying character.
- Transformer bypass switch allows for removal of the output transformer from the circuit.
- Discrete Opamp selection allows for choosing between a 1731(vintage) and 918(cleaner) style opamp. These are socketed/swappable with your choice of 2520 6 pin footprint opamps.
- Impedance switch labeled TONE to switch between 150 and 600 ohms input impedance.
- 2 Meg Ohm True HI-Z input on front panel sends instrument signal through entire circuit including both Cinemag Transformers and the discrete opamps. Great for guitars, bass, keyboards and other instruments that have a 1/4" output jack.
- Capacitor selection between Tantalum and Electrolytic for different characters.
- 80Hz hipass filter.
- Polarity Reverse.
- +48V phantom power.
- Output attenuation allows for saturation flexibility of both opamps and transformers.
- 1/4" insert for the use of inline compressors, eq's etc.
- Balanced XLR mic (front and back), balanced TRS line, and 1/4" instrument inputs.
- Balanced XLR and TRS outputs.
- -20dB Pad.
- LED VU Meter.
- 19" rackmountable.

## Pricing

\$ 599 USD | 649 € INC VAT

P21 - TB12 "Tone Beast" [Tone Shaping Microphone Preamplifier]



Latitude Studio South - Nashville, TN - O'Keefe Music Foundation - Artist - Faith L. - Photography By Shawn Hudgins

"The WA-2A now gives the vocal its own space in the track where it is nice and strong and sits perfect!"

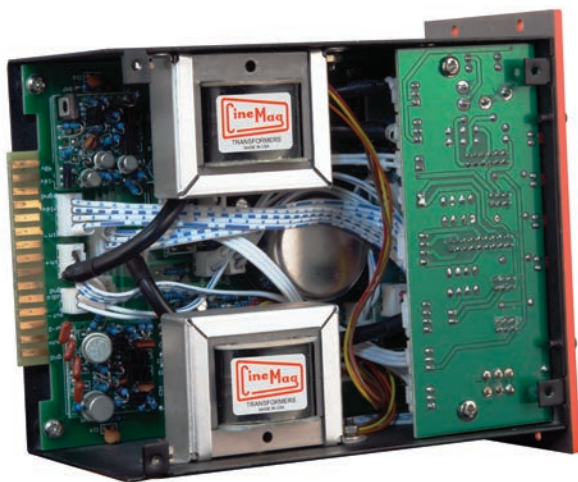
Michael Lattanzi - Latitude Studio South

(Megadeth, The Doobie Brothers, Paula Abdul, Jessica Simpson, Hunter Hayes)

# TB12 - 500 "TONE BEAST"

## TONE SHAPING MICROPHONE PREAMPLIFIER





## Unleash The Beast!

The Tone Beast is a great mic pre with loads of gain that can effortlessly capture an array of sources very well. With top notch CineMag transformers and multiple discrete signal paths, it's hard to beat its big, bold, fully-professional sound at its price.

The Tone Beast is a mic pre that likes to be pushed and when pushed will colorize your signal ever so sweetly. The 2 opamps and 2 output transformers at the flip of their switches won't appear to be much different, but as one drives the pre into harmonic distortion, the unique character of each of these components becomes apparent. Additionally the Tone Beast is customizable and allows for other opamps to be sourced and easily swapped into the unit. I've pulled my best tones from this pre right at the saturation point (as loud as I can push the gain before clipping). The output control on the TB12 allows you to limit the signal exiting the preamp even when pushing the gain to really hot levels, giving you maximum control.

## Tone Shaping Mic Preamp w/ DI - Made Affordable.

Our goal was to make a microphone preamplifier affordable for the first time, without compromising the quality and design parameters that make this type of microphone preamplifier so desirable.

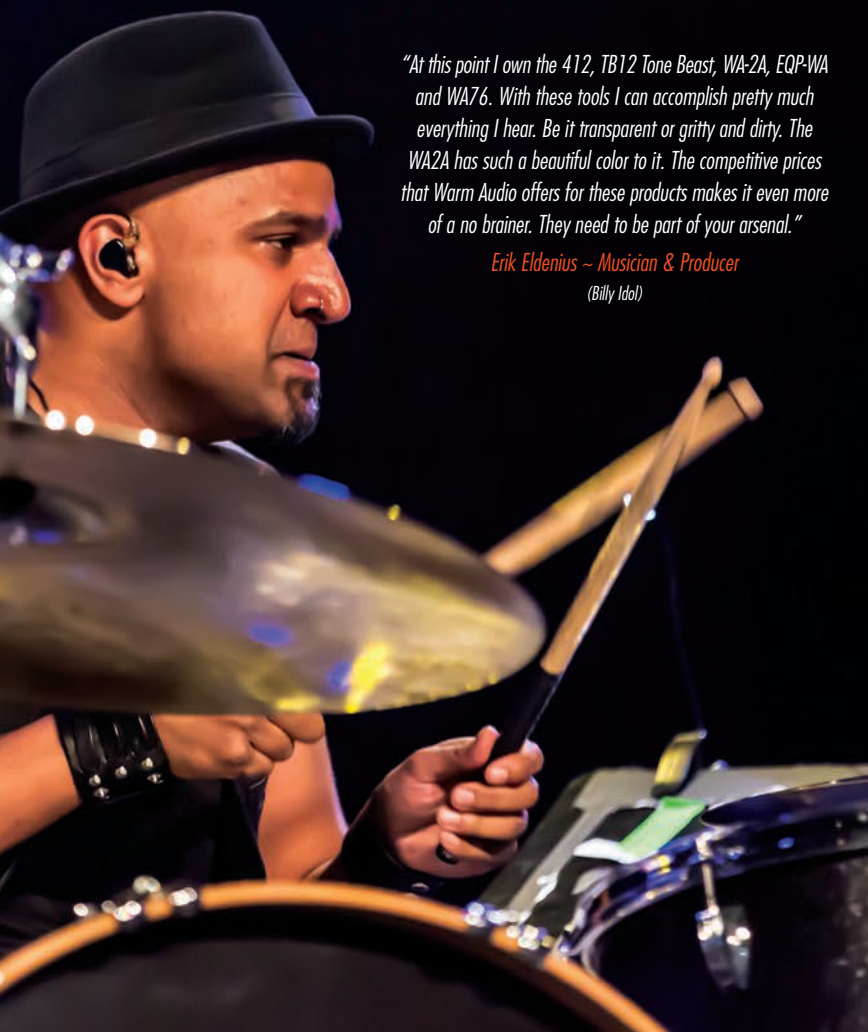
Home-based musicians and professional studios alike will find the Tone Beast to be an extremely powerful and fully professional piece of gear that is capable of warming and shaping signals/mixes in a way that is very pleasing to the ear.

## Capacitors & Signal Path

The TB12 "Tone Beast" 500 is a high-voltage microphone preamplifier, utilizing CineMag USA Transformers. Our own reproduction of the legendary original 2520-style discrete opamp found in the classic American consoles of yesteryear. These op-amps will work in any preamplifier or other device which conforms to the 2520-style footprint and  $\pm 16$  voltage standard. Have no fear of hurting the Beast, you can push it very hard into full-on distortions if you wish, and these can sound quite nice on electric guitar, bass or anything else that likes some nice grit. When hand building mic pres I learned a bit about the "subtle" differences component choices can make. A little change here, and another there often times became a huge deal in a finished mix, but often times is not very noticeable at first take. The different component options in the TB12 are subtle, but when driven into saturation are noticeable and can make a big difference to the way your final mix will sound. Home-based musicians and professional studios alike will find the Tone Beast to be an extremely powerful and fully professional piece of gear that is capable of warming and shaping signals/mixes in a way that is very pleasing to the ear.







*"At this point I own the 412, TB12 Tone Beast, WA-2A, EQP-WA and WA76. With these tools I can accomplish pretty much everything I hear. Be it transparent or gritty and dirty. The WA2A has such a beautiful color to it. The competitive prices that Warm Audio offers for these products makes it even more of a no brainer. They need to be part of your arsenal."*

*Erik Eldenius ~ Musician & Producer  
(Billy Idol)*

(Top) Photography Provided By Jason DeBord of Rock Subculture - www.rocksubculture.com  
(Bottom) Photography Provided By Erik Eldenius



## Specifications

- Utilizes premium grade CineMag USA Transformers.
- 71dB of gain.
- Transformer selection provides both Steel and 50% Nickel CineMag output transformers for varying character.
- Transformer bypass switch allows for removal of the output transformer from the circuit.
- Discrete Opamp selection allows for choosing between a 1731(vintage) and 918(cleaner) style .opamp. These are socketed/swappable with your choice of 2520 6 pin footprint opamps.
- Impedance switch labeled TONE to switch between 150 and 600 ohms input impedance. Changes the Tone of all inputs (Mic, Line and Hi-Z.).
- 2 Meg Ohm True Hi-Z input on front panel sends instrument signal through entire circuit including both Cinemag Transformers and the discrete operational amplifier. Great for guitars, bass, keyboards and other instruments that have a 1/4" output jack.
- Capacitor selection between Tantalum and Electrolytic for different characters.
- 80Hz hipass filter.
- Polarity Reverse.
- +48V phantom power.
- Output attenuation allowing for saturation flexibility of both the opamps and transformers.
- 1/4" insert for the use of inline compressors, eq's etc.
- Balanced XLR mic, balanced TRS line, and 1/4" instrument inputs.
- -20dB Pad.
- LED VU Meter.
- Compatible with standard 500 series racks.

## Pricing

\$ 549 USD | 599 € INC VAT



P25 - WA73 FAMILY [73 Style Microphone Preamplifier]



“ Having used the originals on many occasions, I can honestly say that pairing the WA273 with the WA-47 and WA-87 is absolute tonal magic! You get that extremely sought after classic tone with the power, punch, smoothness and richness you’d expect. To top it off, each piece is beautifully engineered and built like a tank. Well done Warm Audio, you guys are not only showing the world that you’re master builders, but you’re allowing the rest of us to be able to afford such pristine gear at a fraction of the cost. Most importantly, you guys really stand behind your products and that to me is vital. Incredible job Warm Audio! ”

*Dante Lattanzi ~ Coelum Music Production*

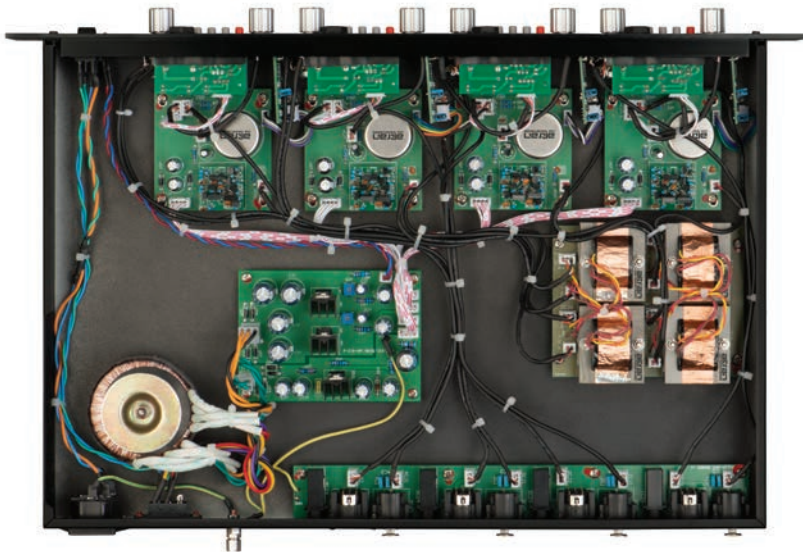
*(HBO, MTV, CNN, Universal Music, Dr. John, Shemekia Copeland, Troy Ramey)*

# WA-412

## FOUR CHANNEL MICROPHONE PREAMPLIFIER







## We Have Four Reasons

The WA-412 provides 4 channels of classic American console preamps in a sleek 1RU design. This style of preamp is often referred to as “the sound of Rock n’ Roll” for its BIG punchy low end and smooth open top end. The price/performance ratio of the WA-412 is almost unfathomable to the experienced studio engineer who has possibly paid much more for preamps of this style during their career. Featuring fully discrete socketed 6-pin opamps and custom wound Altran USA input and output transformers, the WA-412 leaves nothing to be desired. If you are looking for multiple channels of world class tone in an affordable package, the WA-412 is the right choice for you.

## Inspiration Behind The WA-412

When I first started holding regular studio sessions years ago I always desired to have more channels of high-end mic pre’s. I could only afford to have one or two in my studio at a time, which was never enough to record a full band or drummer. I knew very well that if signals were not recorded well “on the way in” they wouldn’t be salvageable later, but my budget constrained me. Because of this so many of the sources were recorded through poor-quality mic preamps. If the WA-412 was available back then I likely wouldn’t have had to settle for poor, low-quality tone. The WA-412 was designed “for the people” (if you will) and we believe it will become a serious work-horse in many professional and home studios.

~ Bryce Young (founder)

## More Features

The WA-412 has all of the features one would expect from this style of preamp and more. Output Trim is available on every channel for precise control and creative gain structuring. A Tone switch (transformer input impedance) is also available on each channel, which allows you to choose between a warm and punchy classic console tone, or go for a more open & neutral sound.



## Better Components

Each channel utilizes a fully discrete socketed 6-pin opamp that can be swapped with other opamps. Discrete opamp circuitry is known for its high headroom and low distortion characteristics and has much to do with the coveted sound of these classic console preamps.

We are proud to be using input and output transformers that are made in the USA by high-end transformer manufacturer, Altran. We worked closely with Altran to create unique transformers that extend the low frequency response of these classic preamps. The transformers also use a vintage winding technique that produces a very distinct smooth BIG character.

Carefully choosing the WA-412 components has resulted in an amazing four channel ‘workhorse’ preamp/DI that performs at the highest levels, while still adding vintage console magic to your signal.



## Specifications

- 4 Channel Microphone Preamplifier + Instrument DI.
- Fully discrete, transformer coupled, through-hole component topology.
- Altran USA custom wound, premium input and output transformers.
- X520 discrete opamp in every channel, socketed for convenience. Can be user-replaced with most 6 pin, discrete op-amps for varying flavor & tone.
- 65dB of gain.
- Inputs - Microphone XLR & Active Instrument 2Meg ohm HI-Z.
- Outputs - Transformer balanced XLR & TRS.
- TONE button input impedance - Switches from 600 ohms to 150 ohms (affects the tone of both the mic and HI-Z inputs).
- -20dB pad - pads both mic and instrument DI inputs.
- Self noise: <-90dB (nominal).
- Frequency response: 20Hz to 20kHz <+/-0.25dB (TONE button out), 20Hz to 20kHz +/-2dB (TONE button in).
- +48 volt phantom power.
- LED metering.
- Output trim knob for precise level control and tone sculpting.
- Internal power supply (grounded, 3 pin IEC cord).

## Pricing

\$ 1199 USD | 1349 €INC VAT



*"I was looking for that warm and fuzzy feeling of real and authentic analogue sound without having to deal with old equipment and the commitment of constant maintenance and repairs. Warm Audio is exactly that. Brand new authentic, amazing sounding analog gear. Couldn't be happier."*

**Eddie Caipo ~ Studio Engineer, Sound Engineer & Producer**

*(Enrique Iglesias, Gwen Stefani, Christina Aguilera, The Kings Of Chaos, Tears For Fears, Smash Mouth)*

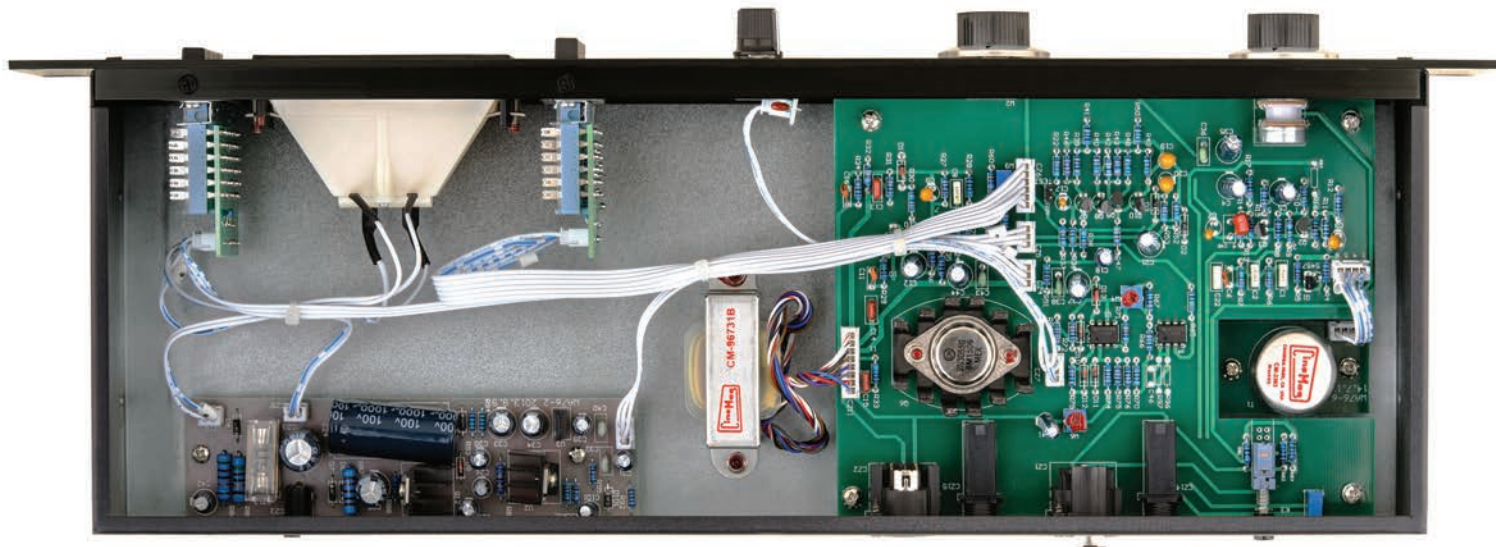
Photography Provided By Eddie Caipo

# WA76

## DISCRETE MICROPHONE PREAMPLIFIER







## Classic Style

The WA76 Discrete Compressor is a modern reproduction of the Classic '76 Revision D. The WA76 has a fully discrete signal path and uses the original Reichenbach Engineering's (now CineMag) transformer design. The classic '76 was a major breakthrough in limiter technology, and used on hundreds of hit records since its inception. Engineers have craved the ultra-fast attack time and trademark sound of the '76 for decades, and now it is finally affordable!

## Discrete Compressor Made Affordable

Our goal was to make a compressor of this pedigree affordable for the first time, without compromising the quality and design parameters that make this type of compressor so desirable.

## Premium Components In Every Warm Audio Product

We have faithfully reproduced the circuitry of the revision D, generally considered one of the best and most popular among the different versions made over the years. We've used all discrete, through-hole components, high quality CineMag input and output transformers, and a class A circuit that stays true to the legacy design.

## All Buttons In

The WA76 can reproduce the classic effect known as 'All Buttons In' mode, sometimes also referred to as 'British Mode' or the 'Four Button Trick'. Originally an accident due to the mechanical nature of the interconnected latching switches, this mode is reproduced by pushing in all four ratio buttons simultaneously and getting them to latch. This can take a bit of practice. The resulting compression curve is aggressive and unmistakably unique, and can be heard on the drum tracks of many classic recordings. All-buttons-in compression is typically characterized by having a very aggressive compression ratio, attack and release curves that are more drastic plateaus opposed to gentler slopes, and more audible distortion or 'overdrive' on the signal. Initial transients are more likely to come through loudly, followed by heavy compression curve sometimes described as having a 'sucking' effect as the compressor releases. Because this mode is considered a design accident, faithfully maintained; it is normal for the meter function to 'peg out' and cease providing accurate metering.





*"The WA76 was used on lead vocals for James Taylor's recent album Before This World on "Snow Time", "Montana", "Far Afghanistan" and "Watchin' Over Me"."*

**Dave O'Donnell - Producer**

*(James Taylor, Eric Clapton, Ray Charles, Keith Richards, John Mayer, Sheryl Crow, Keb' Mo', Lyle Lovett)*

Photography Provided By Dave O'Donnell



## Specifications

- Utilizes premium grade input and output CineMag USA Transformers.
- True to the Classic '76 compressor in design and performance.
- Completely discrete signal path.
- Modeled after the D revision.
- Supports the famous "all buttons in" ratio setting.
- Ultra fast attack time.
- Class A line level output amplifier.
- Input impedance - 600 ohms, bridges-T control (floating).
- Frequency Response  $\pm 1$  dB 20 Hz to 20kHz.
- XLR and TRS inputs. XLR and TRS outputs.
- 50dB of gain.
- Less than 0.4% total harmonic distortion from 50 Hz to 20 kHz with limiting.
- Signal to noise ratio is greater than 74 dB at +25 dBm.
- EIN -104.1 dBm.
- Attack time, 20 microseconds to 800 microseconds.
- Release time, 50 milliseconds to 1 second.
- Meter provides dB gain reduction and dB output.
- Internal power supply, external 24v AC power transformer.
- 19" Rackmount chassis, 2U.

## Pricing

**\$ 599 USD | 649 € INC VAT**

# WA-2A

## OPTO COMPRESSOR







## Analog Tone

Though digital technology and software have made great strides in recent years; we still believe that nothing compares to the level of articulation, depth, realism, and responsiveness of a well-built piece of analog gear. When you hear the bottom-end presence and top-end detail of quality analog gear, the difference is astounding. The cost of most boutique analog equipment is financially out of reach for many recording artists. Our mission is to change this, and introduce as many people as we can to recording and mixing with real, dedicated hardware.

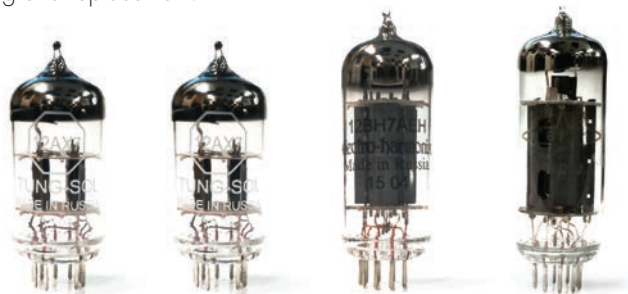
## '2A Style Optical Compressor - Made Affordable.

No plug-in or other compressor type quite compares to the warm, forgiving, fluid qualities of the classic '2A optical compressor. For decades, the renowned '2A style circuit has become the go-to device for seamlessly handling vocals, bass, and a wide variety of other instruments and program material in an effortlessly smooth way.

Releasing the WA-2A would be for nothing if we couldn't make it affordable. Since the start of Warm Audio we have striven to give an unprecedented value to our customers, by putting high end audio within the reach of more people than ever before. This philosophy drives everything we do, and every product we offer.

## A Four Tube Operation

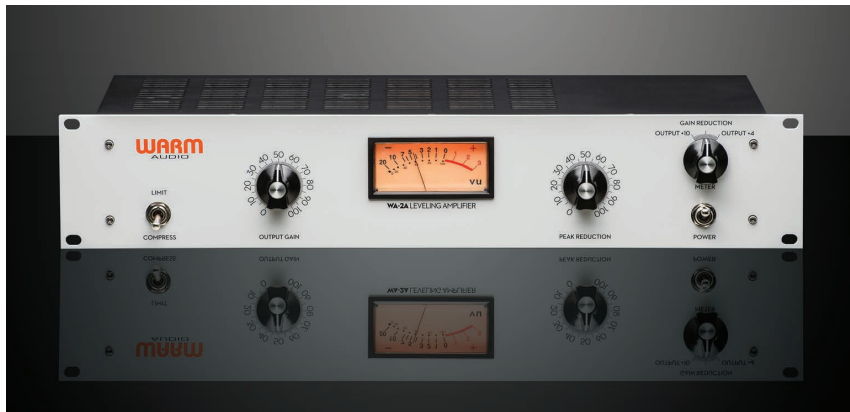
The WA-2A operates on four tubes: two 12AX7's, one 12BH7, and one 6aq5 (or 6P1J). We proudly use Tung-Sol and Electro-Harmonix brand tubes in the signal path, which sound very 'open' and LARGE. All 4 tubes are socketed for easy swapping and replacement.



## Premium Components In Every Warm Audio Product

The WA-2A is a high-voltage, Class-A opto-compressor, utilizing large-core CineMag USA Transformers, four premium vacuum tubes, and the legendary Kenetek opto-cell - considered by many to be the world's finest.





## Specifications

- '2A Style, Transformer balanced, high voltage, opto tube compressor.
- Utilizes premium grade input and output CineMag USA Transformers.
- USA made Kenetek opto-cell attenuator T4' style module. Socketed to allow retro-fitting with other opto-cells.
- Premium Tung-Sol and Electro-Harmonix tubes. 2x 12ax7, 1x 12bh7, 1x 6aq5 or 6p1.
- Fully discrete signal path.
- Variable Pre-emphasis, allows for compression hipass filtering (TONE control).
- Stereo-link capable via TRS connector.
- XLR and TRS balanced line level inputs - 600 ohms impedance.
- XLR and TRS balanced line level outputs - 600 ohms impedance.
- Frequency Response +/- 1 dB, 15 Hz to 20kHz.
- Gain 40 dB ±1dB.
- Input Level +16 dB maximum.
- Output Level +10 dB nominal, +16 dB maximum.
- Distortion Less than 0.1% THD at ±10 dBm.
- Noise = -74dB.
- Attack Time - 10 milliseconds.
- Release Time - 0.06 seconds for 50% release - 0.5 to 5 seconds for complete release.
- Meter displays both dB gain reduction and dB output.
- Power - 115/230 volts (switchable), 50/60 Hz.
- Dimensions - 19" rackmount chassis, 2U. 19" x 7" x 3.5".
- Weight - 12 lbs.

## Pricing

\$ 899 USD | 999 € INC VAT

P35 - WA-2A [Opto Compressor]



Photography Provided By El Cerrito Studio

"Warm Audio has the Warm Analog sound I have been trying to attain for a long time. Both compressors have the highest quality and make my job so much easier! I strongly recommend them."

Oscar Autie ~ El Cerrito Studio ~ Grammy Award Winning Producer  
(Jackson Browne, Diego El Cigala, Omar Sosa, Gema Corredero, Conjunta Cespedes)

# EQP-WA

## TUBE EQUALIZER







### Out Of The Box

The EQP-WA is a re-creation of the most renowned tube Equalizer in studio history, the "Pultec EQP-1A". Not only does the look and feel of the EQP-WA match the classic Pultec units, but the sonic quality has been carefully considered by using top-end components such as CineMag transformers and premium tubes. This fully discrete Tube EQ can pull euphoric sonics from any track and bring a brilliance and luster to mixes that's nearly impossible to achieve inside-the-box. We are proud to have once again redefined the industry standard by bringing a fully professional-grade equalizer to the market at a price that's just as remarkable as the unit.

### A Two Tube Operation

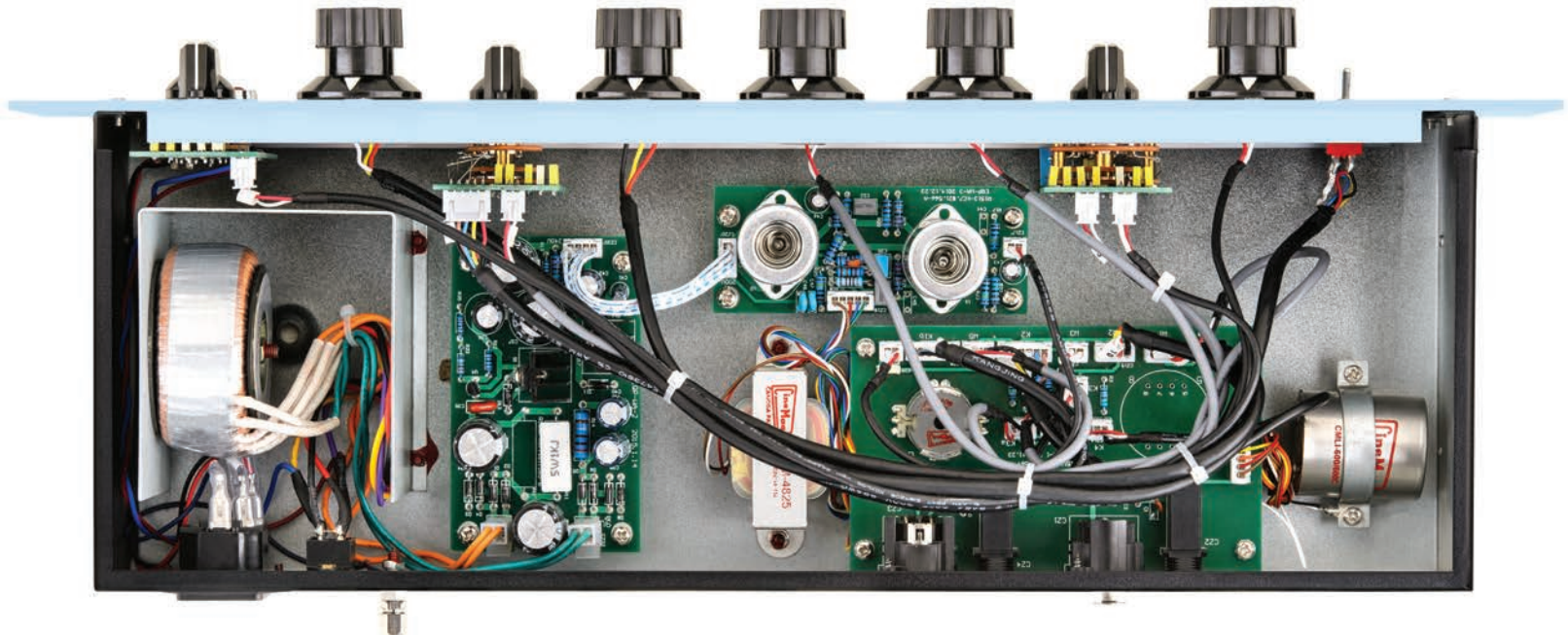
The EQP-WA operates on two tubes: one 12AX7 and one 12AU7. We proudly use Tung-Sol brand tubes in this product for their sonic richness and 'open' sound. These 2 tubes are socketed for easy swapping and replacement.

### Pultec Style Tube Equalizer Made Affordable

Our goal was to make a equalizer affordable for the first time, without compromising the quality and design parameters that make this type of equalizer so desirable.

### Premium Components In Every Warm Audio Product

The EQP-WA is a high-voltage tube equalizer, utilizing CineMag USA Transformers and two premium vacuum tubes by Tung-Sol.





*"The moment I stepped up to the mic going through WARM gear I had final takes.  
I literally kept the first take on two of our new songs on the album  
(Your Love Is Like A Car Crash, I'll Do Me You Do You)."*

*Justin Furstenfeld ~ Blue October ~ Up/Down Recording Studios  
(Modern Rock Band)*

*Up/Down Recording Studios - San Marcos, TX - Artist- Justin Furstenfeld - Photography By Jeremy Furstenfeld*



## Specifications

- Utilizes premium grade input and output CineMag USA Transformers.
- Tube Equalizer based on the classic "Pultec" EQP-1A.
- Premium high voltage 12AX7 and 12AU7 tubes.
- CineMag inductor EQ section.
- EQ section is bypassable - signal still passes through tubes and transformers for warming effect.
- No insertion loss - loss restored by tube amplifier.
- XLR and TRS transformer balanced inputs.
- XLR and TRS transformer balanced outputs.
- Flat frequency response from 20 Hz - 50 kHz.
- Boost and Cut controls can be used simultaneously for phase effect.
- Low frequency boost - 20, 30, 60, 100, 200, 400, 800 Hz - 12 dB.
- Low frequency cut - 20, 30, 60, 100, 200, 400, 800 Hz - 18 dB.
- High frequency boost - 3, 4, 5, 8, 10, 12, 16 kHz - 18 dB.
- High frequency cut - 3, 4, 5, 10, 20 kHz - 14 dB.
- 5 added frequency points for greater flexibility.
- Switchable 115/230 volt IEC power inlet.
- Dimensions: 19 x 3.5 x 6 inches - 2RU rack mountable.

## Pricing

\$ 699 USD | 749 € INC VAT



# WA47JR

FET CONDENSER MICROPHONE



P39 - WA-47jr [FET Condenser Microphone]





### Like Father. Like Son.

The WA-47jr is an FET transformerless version of the highly renowned classic '47 microphone that has been used on countless hit records for the last 50+ years. The WA-47jr is fully discrete, has 3 polar patterns and is designed for pro studio, home studio, live, and broadcast applications. The WA-47jr sounds great on vocals, acoustic/electric guitars, acoustic/electric bass, drums, piano, strings, brass/wood-wind instruments, and an array of other sources.

The WA-47jr proudly utilizes a custom k47 style capsule reproduction, designed with the same hole pattern and frequency response as the vintage design. Our version of this capsule (model# WA-47-B-80v) is carefully manufactured by an Australian capsule manufacturer with careful precision and repeat-ability that allows the most important sonic piece of the classic mic to be heard and influence the tone and signature of the WA-47jr. The WA-47jr's low-noise and discrete signal path, when paired with this excellent true '47 style capsule, allows it to obtain a very similar tone to the classic '47 microphone, but at a much lower price tag. The WA-47jr utilizes the same k47 style capsule found in our flagship WA-47 tube condenser microphone.

The WA-47jr circuit uses high quality Toshiba FET's, Wima film capacitors and Panasonic electrolytic capacitors. The circuit is modernized and more simple than the classic '47 tube microphone, but the components and circuitry are top-notch, and have a sound quality and tone that punches far above anything we've ever heard in this price range.

We at Warm Audio are very excited to bring this '47 style FET condenser microphone and classic tone to the market at such an affordable price. We feel confident that you will enjoy a lifetime of beautiful recordings with the WA-47jr.



### Quality Components Make A Better Mic

The WA-47jr proudly utilizes a custom k47 style capsule reproduction, designed with the same hole pattern and frequency response as the vintage part. Our version of this capsule (model# WA-47-B-80v) is carefully manufactured by an Australian capsule manufacturer with careful precision and repeatability. The WA47jr's low-noise and discrete signal path then paired with an excellent true '47 style capsule allows this mic to obtain a very similar tone to the classic '47 microphone at a much lower price tag.

The Warm Audio WA-47-B-80v capsule is also used in our flagship WA-47 tube condenser microphone.

### Package Includes

Microphone, Shockmount, Hardmount, Zipper storage pouch.

### 3 Polar Patterns

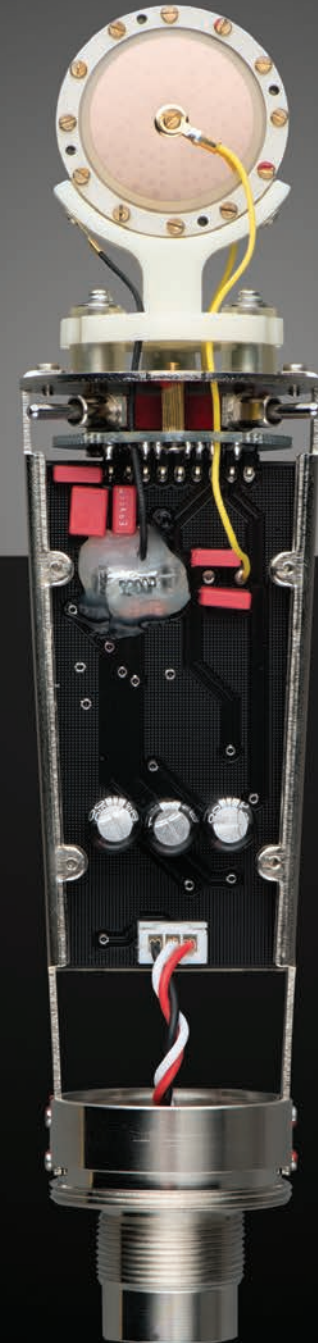
Cardioid, Figure-Of-Eight & Omni-directional

### High Pass Filter

A 70Hz high pass filter is available for reducing rumble and other subsonic information.

### -10dB Pad

A -10dB pad switch is available on the WA-47jr. The pad exists internally within the active circuitry.





Omni Sound Studios - Nashville, TN - Photography By Lucas Hathaway



### Specifications

- FET transformerless '47 style condenser microphone.
- Custom true '47 capsule reproduction (k47 style) - Model# WA-47-B-80v.
- Capsule makeup: Gold sputtered, dual large diaphragm, single backplate, 6 microns NOS mylar (PET film).
- Fully discrete signal path, Toshiba FET's, Wima film capacitors, Panasonic electrolytic capacitors.
- Polar Patterns: Cardioid, figure-of-eight, and omni-directional.
- High-pass filter: 70Hz.
- Pad: -10dB.
- Selfnoise: 9dBA.
- Dynamic range: 138dBA.
- Maximum SPL: 147/157dB (@1kHz 1kOhms 0.5% THD, 0/-10dB).
- Frequency Range: 20 Hz~20 kHz.
- Sensitivity: 10mV/Pa or -40dB.
- Output Impedance: 100 ohms.
- Rated Load Impedance:  $\geq 1$  kOhms.
- Maximum output: 16dBu @1kHz, 1kOhms, 0.5% THD.
- S/N Ratio: 85dBA (IEC651).
- Equivalent Noise: 9dBA (IEC651).
- Dynamic Range: 138dBA (IEC651).
- 48v phantom powered.
- 3-Pin Gold-Plated XLR.
- Includes: Shockmount, hardmount, zipper storage pouch.
- Nickel Plated.
- Weight: 1.1 lbs.
- Diameter: 52mm.
- Length: 210mm.

### Pricing

\$ 299 USD | 349 € INC VAT



# WA-14

## CONDENSER MICROPHONE





Caelum Music Production - New York, NY - Artist - Tony Ramey - Photography By Dante Lattanzi



### WA-14 Large Diaphragm Condenser Microphone

The WA-14 is a '414-style condenser microphone based on the early 1970's microphone used on countless hit records. The WA-14 utilizes a custom all-brass CK12-style capsule, CineMag USA transformer, and a fully discrete signal path. The WA-14 can be used on an array of sources, such as; punchy/warm intimate lead vocals, acoustic/electric guitars, bass, drums/percussion, strings/orchestral material, and many other sources. The WA-14 provides a realism and thickness that is true to the vintage microphone, but now at an affordable price.

#### All-brass Capsule

The WA-12-B-60V is an all-brass, edge-terminated capsule that captures all the smoothness, rich top end, and warm vintage sonics of the original CK12 capsule. The WA-12-B-60V uses a variant CEK-12 backplate as a basis, which overcomes manufacturing limitations of the original CK12 capsule. The o-ring and housing of the WA-12-B-60V are all made from brass (no teflon parts), and the diaphragm is 24k gold sputtered 6 micron, NOS PET film (mylar). The end result is a very consistent, reliable capsule which matches the frequency response and tonality of the classic 1970's classic capsule.

#### Pattern Select Switch

This switch selects the polar pattern for the WA-14. The three polar pattern options are (from left to right) Cardioid, Figure Of Eight, and Omni-directional.

#### Adjustable Pad

This switch pads the microphone's output. The three available positions are (from left to right) -10, 0, and -20dB.

#### XLR Output

The WA-14's output is a balanced, gold-contact 3-pin XLR which accepts a standard XLR to XLR shielded microphone cable.





## Custom Capsule Design

When designing our first microphone we knew that the single greatest challenge would be to offer a capsule that was built to a high standard and priced in a range that every-day musicians and engineers could afford. We already knew where to find great microphone transformers, precision resistors, polystyrene, tantalum and WIMA film capacitors; but we came to realize that a quality affordable microphone capsule that met our specifications simply wasn't out there. We knew we would have to develop our own line of capsules.

The WA (Warm Audio) brand of capsule is the result of several years of research, a lifetime of listening, and a passion for great sound. Above all else, Warm Audio capsules came from the desire to give customers far more quality/value than what they are used to getting in an affordable microphone. Every Warm Audio capsule is made in the same small assembly house in a clean-room environment, and packaged in its own protective jewel case until the moment it is loaded into the microphone. Every capsule visually inspected and electrically tested for imperfections. Every capsule is also made with all brass parts (no teflon or other cost saving material), and is carefully skinned from the same supply of high purity NOS Mylar (PET film). We are confident that you will be just as pleased with our microphone capsules as we are to offer them, and that they will give you a lifetime of great recordings and enjoyment.







### Specifications

- Large diaphragm condenser microphone with variable pad and three polar patterns.
- Features custom WA-12-B-60V edge-terminated, dual-backplate, all-brass vintage CK12-style capsule.
- Custom CineMag USA transformer.
- Frequency range: 20Hz to 20kHz.
- Output pad: 0dB, -10dB, -20dB.
- Polar Patterns: Cardioid, figure of eight and omni-directional.
- Output Impedance: 150 ohms.
- 3-pin gold plated XLR.
- Requires +48V phantom power.
- Includes shock mount and hard mount.
- Color: black.

### Pricing

\$ 499 USD | 549 € INC VAT

"The WA-14 is very close to the 414 EB. I can see the WA-14's as my go-to mics for piano and acoustic guitars from now on."

*Joe Carrell – Omni Sound Studios*

(Thousand Foot Krutch, Tasji Bachman, Sanctus Real, Pauline Reese)

Omni Sound Studios – Nashville, TN – Photography By Lucas Hathaway

# WA-87

## CONDENSER MICROPHONE

P47 - WA-87 [Condenser Microphone]





*"Beyond the specs and sound features, the WA-87 re-creates the classic microphone design extremely well."*

*Ritch Gallagher ~ Sweetwater*



### A Classic Made Affordable

The classic '87 is arguably the most widely-used large diaphragm condenser microphone in popular recording history. Rather than base our WA-87 circuit on current incarnations of this mic, we decided to closely follow the early circuit designs that date back nearly half a century. As is true with many classic microphones, engineers who have worked with different versions of these microphones often prefer the warmer, more forgiving nature of the earlier commercially available models. The desire to re-introduce the warm tone of this classic mic at an affordable price to an all new generation of recording artists was the inspiration behind the WA-87.

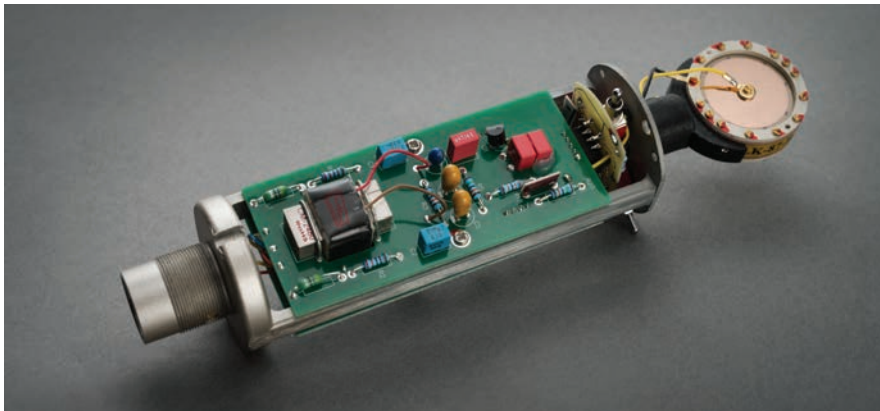
### Quality Components Make A Better Mic

The WA-87 features all discrete, premium components such as Fairchild FETs, tantalum, polystyrene, and WIMA film capacitors, and is rounded off with a CineMag USA output transformer. The WA-87 proudly uses our own custom reproduction of the classic K-87 dual backplate/dual diaphragm capsule, as found in early '87 mics.

### It All Starts With The Microphone

The importance of a good microphone cannot be overstated; but unfortunately, finding a truly great microphone within a budget has always been challenging for aspiring engineers. There are very usable microphones available for those on a budget; but top shelf, classic studio microphones are financially out of reach for most people. We applied all that we know about bridging this barrier into crafting a microphone that reaches the level of quality and sonics mostly found only in top shelf products, yet sells for a price that is down to earth.





## Custom Capsule Design

When designing our first microphone we knew that the single greatest challenge would be to offer a capsule that was built to a high standard and priced in a range that every-day musicians and engineers could afford. We already knew where to find great microphone transformers, precision resistors, polystyrene, tantalum and WIMA film capacitors; but we came to realize that a quality affordable microphone capsule that met our specifications simply wasn't out there. We knew we would have to develop our own line of capsules.

The WA (Warm Audio) brand of capsule is the result of several years of research, a lifetime of listening, and a passion for great sound. Above all else, Warm Audio capsules came from the desire to give customers far more quality/value than what they are used to getting in an affordable microphone. Every Warm Audio capsule is made in the same small assembly house in a clean-room environment, and packaged in its own protective jewel case until the moment it is loaded into the microphone. Every capsule visually inspected and electrically tested for imperfections. Every capsule is also made with all brass parts (no teflon or other cost saving material), and is carefully skinned from the same supply of high purity NOS Mylar (PET film). We are confident that you will be just as pleased with our microphone capsules as we are to offer them, and that they will give you a lifetime of great recordings and enjoyment.



*"While working with Faith L & O'Keefe Music Foundation, the WA- 87 became my go to work horse mic. Great on everything from lead vocals to background vocals, drum overheads, grand pianos, string instruments and acoustic guitars. Just an all around beast of a mic!"*

**Michael Lattanzi - Latitude Studio South**

*(Megadeth, The Doobie Brothers, Paula Abdul, Jessica Simpson, Hunter Hayes)*



*"Warm Audio makes amazing gear! I love the WA-2A and their new WA-87 mic.  
I have started running my mixes through a pair of their EQP-WA's!"*

**Michael Lord – Producer & Composer**

*(American Idol, Anthrax, Hollywood Today Live, The Fringe, Steel Panther, The Wall)*

*Latitude Studio South – Nashville, TN – O'Keefe Music Foundation – Photography By Shawn Hudgins*



## Specifications

- Microphone type: large condenser studio microphone.
- Based on the classic "87-style" circuit.
- Microphone includes shockmount, hardmount and wood box.
- Polar patterns: cardioid, figure of eight, and omni-directional.
- Capsule: Custom reproduction of classic dual backplate (four wire termination) K87 capsule.
- Diaphragm: 6 micron thickness, 1 inch diameter, gold sputtered membrane, NOS Japanese mylar (PET film).
- Output transformer: CineMag USA.
- Frequency response: 20Hz - 20kHz.
- SPL: .5% THD @ 125dB (without pad), 132dB (with pad).
- Pad: -10dB.
- Output: 150 ohms, 24k gold plated, 3 pin XLR (pin 1 = gnd, pin 2 = +, pin 3 = -).
- High pass filter: 80Hz.
- Noise: -117dB.
- Color: nickel (painted).

## Pricing

\$ 599 USD | 649 € INC VAT

# WA-47

TUBE CONDENSER MICROPHONE



P51 - WA-47 [Tube Condenser Microphone]





*"Having used the original on many occasions, I can honestly say that the WA-47 retains that extremely sought after, classic and timeless tone to a point where you can not tell the difference from the original. If your looking for that sweet and gorgeous sound heard on millions of notable records at a fraction of the cost, look no further! All I can say is that Warm Audio are not only master builders, they're magicians!"*

*Dante Lattanzi – Caelum Music Production*

*(HBO, MTV, CNN, Universal Music, Dr. John, Shemekia Copeland, Troy Ramey)*



*Caelum Music Production – New York, NY – Artist - Elle Sara – Photography By Dante Lattanzi*



## Blast From The Past

The WA-47 is an all vacuum tube, large diaphragm, transformer balanced, multi-pattern (9), large condenser microphone, based on the classic '47 that has been used on countless hit records for the last 50+ years. The WA-47 is designed for pro studio, home studio, live, and broadcast applications and sounds great on vocals, acoustic/electric guitars, acoustic/electric bass, drums, piano, strings, brass/woodwind instruments, and an array of other sources. The classic '47 became extremely popular in the 1960's and is now considered one of the greatest microphones ever made. The classic '47 is still widely used today in professional recording studios but have become extremely rare and expensive to acquire.

Designing the WA-47 to sound like the classic '47 was no easy task, especially considering that some of the vintage components are no longer available. We compared and listened to 2 different vintage '47 mics and found that they both sounded amazing but also sounded a little different from each other. These comparison tests became the benchmark for tailoring our WA-47 sonics to sit right in with these 2 vintage '47 mics. We are pleased to release such a gorgeous sounding classic to the market at a price that's reachable to more people than ever before. We are also proud to mention that the WA-47 sounds legitimately indistinguishable to the vintage '47's we auditioned on several sources.

As with all Warm Audio products, we focus heavily on quality components to ensure we release the best sounding product possible. The WA-47 is packed with top end components that are carefully sourced from many of the top pro audio component suppliers in the world.

### True '47 Style Capsule

The WA-47 utilizes a custom reproduction of the vintage k47 style capsule that was used in the classic '47 microphone - designed with the same hole pattern and frequency response. Every Warm Audio capsule is made in the same small assembly house in a clean-room environment, and packaged in its own protective jewel case until the moment it is loaded into the microphone. Each capsule is visually inspected and electrically tested for imperfections.

A large part of any microphone's tone comes from its capsule, and the true k47 style capsule used in the WA-47 is not easily manufactured or typically found in affordable condenser microphones. We are proud to be using such a faithful recreation of this classic part in an affordably priced '47 style microphone.

### The Tube

A Slovak Republic JJ 5751 vacuum tube is a lower gain, low noise tube that forces much of the sonics of the capsule and transformer to be heard more significantly than some higher gain tubes might allow. We auditioned 4 different tube brands and fell in love with the JJ 5751. The frequency response of the JJ 5751 and the way it contributes to the circuit is tonally smooth and vintage in nature.

### The Transformer

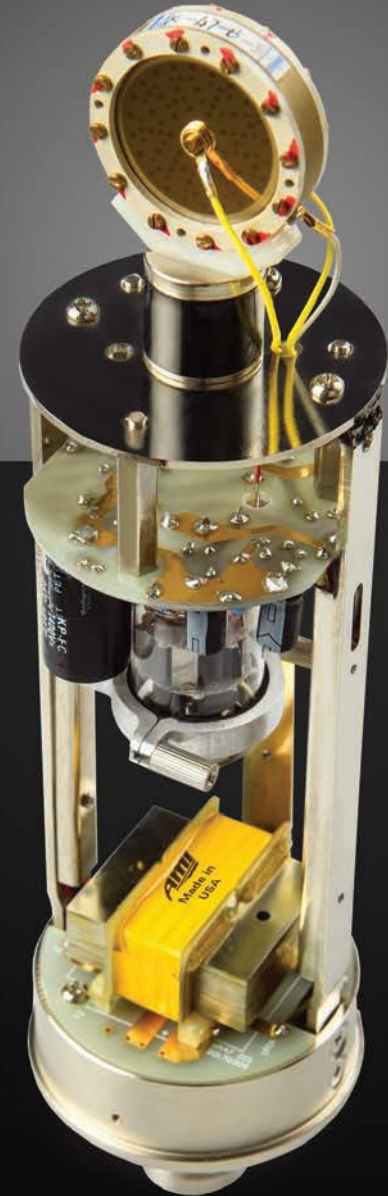
The WA-47 utilizes an American made TAB-Funkenwerk (AMI) USA transformer with large core imported German laminations. This transformer helps provide the creamy smooth top end, and the LARGER THAN LIFE bottom end one would expect from a '47 style condenser microphone.

### The Cable

One component of a tube microphone often overlooked is the 7 pin cable that connects the microphone to its power supply. When auditioning the WA-47 and other tube microphones we learned quite a bit about 7 pin cables and how the shielding and wire gauge size can drastically change the sonics of a tube microphone. We have partnered with Gotham Audio in Switzerland to use their very carefully built top-end 7 pin GAC-7 cable. Using this cable increases top end presence and the overall size of the recorded image in the stereo field, by reducing phase shift and the parasitic effect often found in poorly built cables. Gotham Audio is very expensive and boutique in nature and should not be considered a small addition to the WA-47 package.

### The Capacitors

The WA-47 uses a polystyrene coupling capacitor for uncompressed top-end response from the capsule, wima film capacitors throughout, and an imported Solen French capacitor on its output driving the TAB-Funkenwerk (AMI) USA output transformer.







*"This is a fantastic microphone. It stood up side-by-side with two vintage models I compared it to while working with Tasji Bachman. It quickly became a first choice vocal mic for me."*

*Joe Carrell - Omni Sound Studios  
(Thousand Foot Krutch, Tasji Bachman, Sanctus Real, Pauline Reese)*

Omni Sound Studios - Nashville, TN - Artist - Tasji Bachman - Photography by Lucas Hathaway



### Specifications

- Custom true '47 capsule reproduction (k47 style) - Model# WA-47-B-80v.
- Capsule makeup: Gold sputtered, dual large diaphragm, single backplate, 6 microns NOS mylar (PET film).
- TAB-Funkenwerk (AMI) USA output transformer.
- JJ Slovak 5751 vacuum tube.
- Gotham 5 meter GAC-7, 7-pin tube microphone cable.
- Wima, Solen French, and Polystyrene capacitors.
- Polar Patterns: 9 patterns - Cardioid, Omni, figure-of-eight + 6 mixed patterns.
- Selfnoise: 11 dBA.
- Dynamic range: 130 dBA.
- Maximum SPL: 140 dB (<0.5% THD).
- Frequency Range: 20 Hz~20 kHz.
- Output Impedance: 200 ohms.
- Rated Load Impedance: ≥2k Ohms.
- S/N Ratio: 82 dBA.
- Equivalent Noise: 10 dBA (IEC651).
- External IEC grounded PSU.
- Includes: Microphone, Wood box, PSU, Shockmount, Gotham 7 pin GAC-7 cable, IEC power cable.
- Total Weight - 9 lbs.
- Mic Diameter: 90mm.
- Mic Length: 254mm.

### Pricing

\$ 899 USD | 999 € INC VAT





W W W . W A R M A U D I O . C O M

WARM AUDIO . 126 Holmes Road . Unit 10 . Liberty Hill, Texas 78642 . tel 512.348.6585 . [info@warmaudio.com](mailto:info@warmaudio.com) . [www.warmaudio.com](http://www.warmaudio.com)  
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