

JOEMEEK JM47 'Meekrophone'

- solo class, transformer coupled, large diaphragm, true condenser studio microphone

The JOEMEEK JM47 Meekrophone is a classic studio mic in the making. Rich in sound, warmth and tone, an ideal addition to any modern or retro studio.

The JM47 concept

The JM47 Meekrophone is a professional solo feature microphone designed to be the ultimate performance mic for studio recording. It is a true 'condenser' microphone in the best historic tradition, with fine transformer coupled electronics to improve on the recorded sound depth and quality achieved.

Why use a JM47?

If you are recording vocals and instruments for any purpose, the microphone you are using is the sole source of your sound. There is a lot you can do to a signal within digital systems these days to reduce noise, and improve the tones within a sound, but there is no substitute for the sheer quality obtained from the classic microphone designs that are used by all good studios around the world. The JM47 offers this classic design to give your studio access to the same rich sounds that professional recording artists enjoy. The JM47 captures all the subtleties of a performance, and also adds a certain flavour, like the microphone classics, that sets these apart from standard studio mics. This will ensure the JM47 recognition at all studio levels.

One inch diameter gold diaphragm capsule

Cardioid, true capacitor microphone, FET preamplifier and transformer coupling Filter, switchable 3dB down at 100Hz, Pad switchable 10dB.

Frequency response, substantially flat 20Hz to 20KHz.

Sensitivity. -38dBV (0dB= 1V/Pa 1KHz)

MAX SPL, 136dB

Power supply 48V phantom 1mA



What makes the JM47 special?

The JM47 is a classic microphone design, with vintage style transformer coupling to ensure the finest full bodied sound from its gold diaphragm capsule. This technique gives a warmth and character of sound impossible with 'so called' modern solid state designs from continental manufacturers. In line with other JOEMEEK products, the JM47 sounds *right*. The 'Meekrophone' will perform best when used with a JOEMEEK mic pre amplifier i.e. VC3, VC1, VC2, VC7 or Hooter B1 units.

The Meekrophone comes supplied in a rugged flight case, complete with a studio shockmount assembly and 5m microphone cable. There is space in the case to fit a VC3v2 Pro Channel and accessories, enabling flexibility and safety in transport.

"It's certainly an excellent mic at the price and it's one you won't grow out of."
Paul White, Sound on Sound

www.joemeeek-uk.com

JOEMEEK
COMPRESSION

JOEMEEK JM47 TrakPak

- all in one recording solution that delivers quality, features and depth



The JM47 TrakPak puts the warm solid sound of the JM47 true condenser microphone, and the feature packed **JOEMEEK VC3v2** into a portable, complete and well priced package.



VC3v2 Pro Channel mic pre



5m mic cable



JM47 Meekrophone and shockmount

The TrakPak concept

For the ultimate sound on the road the JOEMEEK Track Pack gives you the JM47 Meekrophone, accessories, a Pro Channel VC3v2 and connecting cables all together in the rugged JM47 Meekrophone case. This package has been put together to be the recording engineer's ideal solution to getting good sounds with little effort. The result is a classic microphone with the now legendary VC3v2 and a package that delivers quality sounds and control at an amazing price.

The Recording Package

The JM47 Meekrophone and VC3v2 make the ideal pair. With them the recording engineer has access to all the features needed on session, a high pass filter, 10 dB pad, supreme quality sound through transformer coupling, an excellent mic pre, compression and enhancement with an excellent signal path to achieve superb noise performance and sound quality. Plus, all these features can be set up and packed away neatly and safely into the supplied case. The TrakPak also offers a substantial saving over purchasing these components individually.

The TrakPak really comes into its own when used with modern digital recording systems, as

the signal path gives you everything you need, without using external amplification or processing. If you are serious about recording vocals, guitars, drums or other instruments, then the TrakPak will allow you to gain much more from a performance and make a better mix.

Rugged Flight case fitted with:

JOEMEEK VC3v2 Pro Channel

JM47 Meekrophone

Microphone shockmount cradle

Power supply

Mic cable

"The TrakPak is excellent value, including as it does a good capacitor mic, a very flattering sounding preamp/compressor and a secure shockmount."
Paul White, Sound on Sound

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JOEMEEK VC6Q British Channel

- mic/instrument pre amplifier, JOEMEEK compressor and Meequalizer British channel



The JOEMEEK VC6Q makes the perfect mic and instrument companion, combining an excellent pre amp, JOEMEEK photo optical compression, and the amazing Meequalizer channel.

The VC6Q British Channel

The VC6Q is a combination of JOEMEEK's industry acclaimed 5 stage mic pre amplifier, photo compressor, and Meequalizer channel; features that make the unit ideal for recording studio and live sound instrument/vocal applications.

In the studio, the VC6Q offers a complete, high quality channel for the recording of a voices and instruments either directly or with a microphone. When used live, the unit can be used as the interface between an instrument or microphone and P.A. desk, to achieve a processed sound suitable for amplification that has amazing depth and power that will add a new dimension to a performance.

The VC6Q does this by combining the following key products into a purpose built unit:

Microphone pre amplifier : 5 stage design for huge gain and low noise. This pre amplifier is well featured with 48V Phantom power, 20dB Pad, Phase reverse, overload indicator and front mounted special passive instrument input and a rear panel mounted XLR mic input and 1/4" jack line input. There is also a line/instrument in select switch with indicator.

JOEMEEK Compressor : A full mono photo optical JOEMEEK compressor with 'compression' control for threshold, fully variable slope (ratio), plus variable attack and release controls. This is complimented by a 5 LED gain reduction indicator array and in/out switch with indicator.

As well as providing a stunning input interface, the VC6Q has a full channel of the legendary JOEMEEK Meequalizer. This will provide vintage EQ sounds at tracking time, or afterwards during mixing. There are rotary controls for ± 15 db LF shelf, HF shelf, plus parametric mid sweep and ± 15 db mid control (see VC5 literature for parameters). This section is also equipped with an in/out switch and indicator.

Peripheral features of the 6Q include dual 'Superbal' outputs, a pre compression and EQ insert point and a full 9 LED smooth tracking LED input meter to help you control signal levels.

The VC6Q is a highly featured, functional studio item, yet it is also hand made in England from traditional pro audio grade components to ensure that the quality and integrity of your sounds is maintained and enhanced.



Pictured is the circuit of the awesome JOEMEEK photo compressor. A part of the VC6Q that gives instruments and vocals the sound that only a JOEMEEK can!

The VC6Q makes an ideal addition to a digital recording studio, offering an excellent way of getting sounds into disk or tape based recording systems, giving your tracks the incredible Meek compression and MeekQ sounds, with the added bonus of bypassing unnecessary equipment before the recorder. This will lower the noise of your recording, and keep the signal's musical integrity. Tracking through a VC6Q will greatly improve on directly recorded sounds through mixing desk channels, and will give you the tools to make a better mix than you could ever make before. JOEMEEK is proud of the VC6Q. Use it. In the studio or live, you won't believe the difference it makes to your sounds!

*"The VC6Q combines the best of JOEMEEK traditional technology with today's sounds..... Its a must for any studio.
Ted Fletcher, Designer*

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JOEMEEK
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JOEMEEK VC5 Meequalizer

- 2 Channel classic parametric equalizer



The JOEMEEK VC5 radically increases your studio's potential for big sounds and powerful mixes. Classic EQ, ground shaking sounds.

The VC5 concept

The JOEMEEK 'Meequalizer' is a two channel, line level equalizer with a difference. That being its design was inspired by Ted Fletcher's early 70's mixing desk designs to have an EQ effect that was pleasing to the ear, and not necessarily having the same effect or response curves as ordinary EQ's. The VC5 has been built to give the most aggressive, powerful sound possible, while maintaining a signal's musical harmonic properties.

The key to producing an EQ with tonal qualities beyond any digital or modern op amp based design is simplicity. Don't worry about db/octave predictability, or precise frequency responses, or even have too many bands and shelving controls. These things have no place in the mind of the sound engineer who has to produce the right sound for the job. The Meequalizer has the sound, and that is all that matters. The VC5 is an EQ with a sound unlike any other EQ on the market. Program material of all kinds can be improved by it awesome sonic capabilities.

How is this possible? The VC5 uses a vintage design class A amplifier at the heart of the EQ sections. Use of this amplifier reduces harmonic and inter modulation distortions normally caused by class B and digital equaliser models. The class A amplifier also produces valve like signal qualities that warm sound.

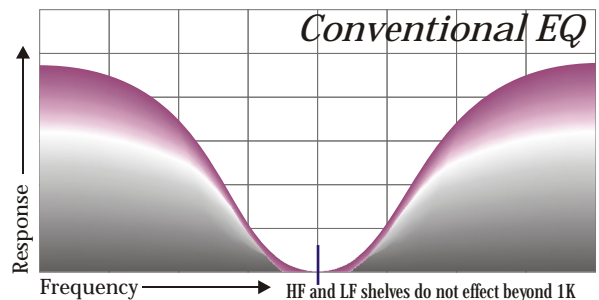
'Superbal' balanced inputs and outputs, 1 input per channel, 2x outputs per channel, plus a unique 'to insert' facility to directly interface the Meequalizer with a VC1, VC2 or VC3.

Bass shelf $\pm 15\text{dB}$, HF shelf $\pm 15\text{dB}$
Mf parametric boost/cut $\pm 15\text{dB}$ with frequency selection per channel, 600Hz-3.5kHz
 $\pm 12\text{dB}$ master gain trim per channel with indicator and overload light, in/out switch per channel with indicator

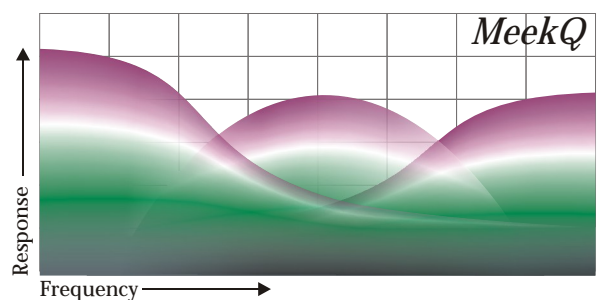
Unique and amazing sound, totally unlike any digital modelled, plugin or analogue project studio console EQ on the market.

EQ vs. MeekQ

The very first equalisers were designed for the motion picture industry. The problem that had to be overcome was that different scenes had to be shot with the dialogue microphone different distances from the person speaking; so they needed a piece of equipment that 'equalized' the sound, not just the volume. These early equalisers were naturally very musical and 'easy' sounding and that is the basis of the JOEMEEK VC5V2. By experimenting and going 'over the top' with some of the electronics, the resulting sound possibilities are musical, aggressive and highly creative.



Conventional equalisers were developed from the theory of what 'should' happen when the knobs are turned. In practice, they fail to sound right because the designers did not have the background of knowledge in the practicalities of real sound creation. The curves may look pretty, but we are just not interested in listening to curves!



As with the early EQ's the controls are all highly interactive in the interests of musicality. What results is the phase shift shelving VC5 Meequalizer, an EQ that sounds right!

'Above all else the VC5 has a sound and it's apparent as soon as you twiddle a knob. It's a sound that I would describe as being in the 'classic' old world EQ style-fat, granular and full of signature.'

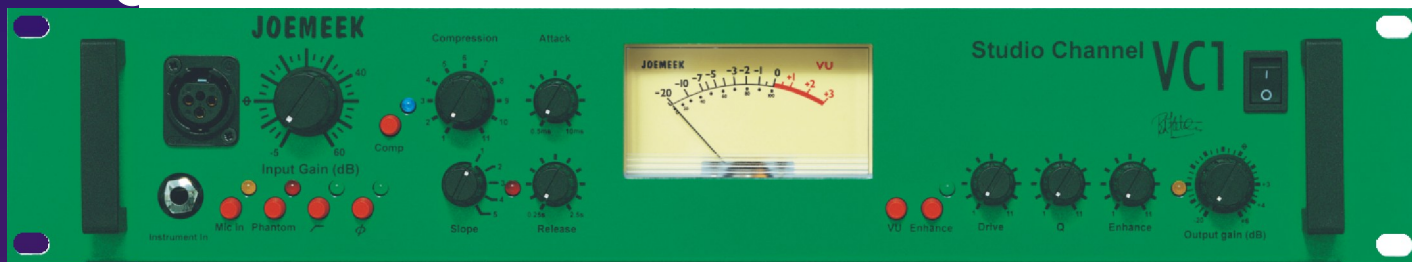
Zenon Schoepe, Studio Sound

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JOEMEEK
COMPRESSION

JOEMEEK VC1 Studio Channel

- professional mic pre, compressor, enhancer direct recording channel



The **JOEMEEK VC1** Studio Channel is the professional's choice for direct recorded sounds with more warmth, clarity and life.

What is the VC1?

The VC1 Studio Channel is the ultimate way of achieving warm, clear and professional sounds when tracking onto recording systems. The unit acts as a front end to a mic or instrument source, amplifying it, compressing and enhancing it before the signal is recorded. It does this so well because it combines a fantastic transformer coupled mic pre with a mono JOEMEEK photo optical compressor and enhancer device, giving you sounds that have more character and depth than is possible by recording direct or through mixing desk channels.

Transformer coupled mic pre amplifier, with phantom power, high pass filter, phase reverse, and improved gain structure for low noise and characterful sound

True photo optical JOEMEEK compressor for added warmth and punch to recorded sounds, with 5 position 'slope' selector control for photo cell character, and controls for attack, release and compression level/threshold: the classic JOEMEEK sound!

Enhancer that adds presence and sparkle to sounds. Controls for drive, Q and enhancement level

Dual mic inputs for flexibility when rack mounting, XLR line input on rear plus 1/4" jack instrument input with optimised impedance for classic guitars and basses

Large meter, showing compression or VU, select by switch with indicator

Why use one?

If you are recording tracks of vocals or instruments onto recorders or samplers, your sounds would benefit greatly from a VC1. This is because packed into the VC1 is a superb sounding mic and instrument transformer coupled pre amplifier that will simply sound better than all but the top mixing console channels; that happen to use a similar design mic pre to the VC1. This alone will give your recording system access to sounds that are rich in musical harmonic and transient content.

When you record tracks, you often need compression at this first critical stage. The VC1 is also equipped with a full mono JOEMEEK photo optical compressor to give you an unrivalled sound for punch and warmth. A consequence of the photo optical design of this compressor is that large amounts of compression do not result in 'dulling' of sounds (unlike VCA designs), this is crucial to the VC1's effectiveness at producing great sounding tracks. And finally, the VC1 contains the latest generation JOEMEEK enhancer that can be used in tracking (and in mixing) to brighten sounds and add sparkle - the professional edge. Additional features of the VC1 include dual metering of compression and VU, professional floating balanced inputs and outputs, dual outputs for improved monitoring and impedance optimised instrument input for control room instrument tracking.

Applying the Studio Channel

If you use a good studio microphone, or record instruments with direct outputs, the VC1 will allow you to capture all that a performance can give. Don't lose the edge of your sound to inferior mic pre amps and dulling dynamics processors, use a JOEMEEK VC1 to get some real sounds into your mixes

"What I really like about it is that all the effects it produces are effortlessly musical. Setting it up is quick and easy, the enhancer section does all that a good HF equaliser does and more - and the compressor keeps vocals lively and up front."
Paul White, Sound on Sound

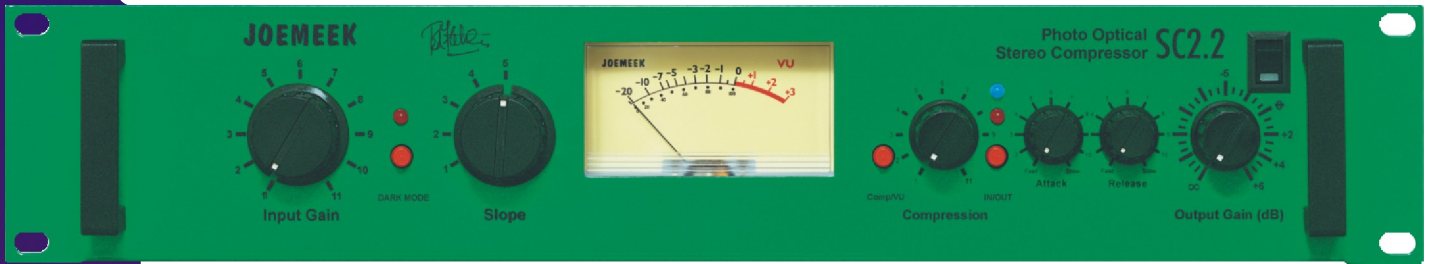
"It all amounts to one very clever single channel processor, that looks great, is distinctive in operation, costs less than you think and sounds superb."
Studio Sound

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JOEMEEK
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JOEMEEK SC2.2

- classic stereo photo optical mix/subgroup compressor



The SC2.2 has the sound that made **JOEMEEK** famous. Unleash the power of photo optical compression on your mixes, **JOEMEEK** style!

The SC2.2 concept

The people making hit records today, and the new digital studios all need to get the classic sound of the original JOEMEEK compressors. The SC2 has delivered this sound to the prestigious few and has made JOEMEEK famous. We have now re-packaged this sound into a unit that can be afforded by the rising star, and give the new studio access to mixes with real compression and energy, complete with transient content. We have produced the SC2.2. The SC2.2 is a refined version of the original ground breaking SC2 stereo compressor, offering classic sound and extra features. JOEMEEK compressors achieved world wide success because of their unique and characterful sound. This comes from the method of compression that is unlike any other on the market. Unlike ordinary VCA compressors, the JOEMEEK uses a hand made photo cell to squeeze gain. This gives the unit a sound that is instantly recognisable, and can be used in almost any circumstance, from light warmth of strings to punchy plucked instruments, to 'inside out' sounding rock drums!

All XLR inputs and outputs, driven at professional levels in 'superbal' floating balanced operating mode; offering excellent noise rejection and sonic performance

5 slope position switch for stereo compression characteristic. Similar to ratio, but this control does much more! The JOEMEEK compressor slopes 1-4 are the original classics from early models, number 5 has been added for extreme effect!

Large meter, clearly shows gain reduction or VU. Select at switch

Attack and release characteristics of original unit, but the SC2.2 offers a greater variety of settings with a new faster attack and long release. + 'dark sound' mode for classic release coefficients of v1.05 JOEMEEK

What is the SC2.2?

The SC2.2 is a 2U stereo photo optical compressor that uses the same cell compressor design as the original classic SC2, featuring both the classic 'dark sound' that made the JOEMEEK so desirable in studios around the world, as well as a modern 'bright' punch mode that allows more precise level control. The SC2.2 is virtually free from noise and distortion, due to professional balanced mode design and the distortion free nature of photo compression. The unit has a large meter that can either show gain reduction or compression. It has everything that a great sounding compressor needs, and a price tag that brings the sound of the legend within the reach of the smaller studio.

Why choose the SC2.2?

JOEMEEK compression is the secret weapon that gives your sound the character and excitement it deserves. When used in combination with a digital recording/mixing system, the SC2.2 will add a feeling that simply cannot be achieved by a plugin. Plug in the SC2.2, and hear your sounds and mixes like never before!

"The effect is so pleasing that the temptation to use it on absolutely everything has to be resisted....vocals are a must, similarly a touch on bass guitar works wonders, and it'll do justice to electric guitar and lumpy keyboard parts. Know no fear or restriction when it comes to processing mixes - put everyone through it as it can only improve matters."
Audio Media

"Plug it in and you are doomed. You will not be able to live without the aural majesty that this stereo compressor bestows upon signals. What the SC2.2 delivers is attitude."
Electronic Musician

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JOEMEEK SC4 DAD M&S Stereo Compressor

- 24 bit digital/analogue, M&S width, professional stereo mastering/mix compressor



The JOEMEEK SC4 Stereo Compressor delivers perfect stereo imaging and control, classic analogue compression, and 24bit digital flexibility

The SC4 concept

The JOEMEEK SC4 is a true blend of new technology, with the best of traditional methods. The unit combines the original JOEMEEK 'light cells' with an incredibly well featured digital interface, as well as incorporating M&S (Middle and Side) signal encoding. This achieves a unit that gives the true JOEMEEK sound in an extremely flexible package with accuracy that was simply not possible from the 'Rock and Roll' SC2 classic, or SC3 DAD mastering compressors.

M&S encoding for true stereo perfection
Image width control
24 bit sample rate converting interface
Superbal inputs and outputs on XLR
M&S insert point
Dual metering of compression and VU
Heavy steel chassis for rugged feel
AES/EBU and optical connections
The best JOEMEEK photo optical sound!
M&S switch allows M&S or L/R access
Quality connectors used throughout

The SC4 bridges the gap between the sounds of the photo electric cell and the basic accuracy of VCA compressor designs and allows direct and easy linking with analogue and digital systems. Included are M&S/Left/Right 'superbal' analogue inputs and L/R 'superbal' outputs that may be run alongside the 24bit AES/EBU and optical interfaces. The digital I/O will also sync to any bit rate and resolution, but also has the ability to perform 'perfect' sample rate conversion (as the signal path is via analogue).

Middle and Side



The use of M&S in the SC4 is a method of guaranteeing perfect image accuracy. Even highly dynamic program material will not cause the SC4 to distort the delicate stereo image of a mix. The SC4 achieves this through the use of M&S within the compression cycle to make a mix insensitive to any subtle dynamic differences between the light cells. This gives

the compressor a feeling of the classic JOEMEEK with perfect image and control, even when sounds are highly dynamic and moving in the L/R domain. The SC4 is also equipped with an M/S switch on the inputs, allowing a bypass of the M/S matrix. This means that location sound and general stereo recording can be achieved and compressed at once by using the unit in part as a M/S - L/R converter. Access to the M/S signal is possible at all times through the SC4's M/S insert points that, with appropriate processing, can be used to create spatial effects at the final mix stage.

Application

The SC4 is perfect for the professional studio user that needs final 2 track or submix compression on any demanding program material. The advantages of the SC4 are even greater for users of digital systems as the SC4 is equipped with seamless 24 bit D/A and A/D converters with multi sample rate capability. However, the greatest benefit to such digital or hybrid systems is the compression sound itself. The SC4 may use M&S coding, but at its heart is the same powerful cell as in the other top JOEMEEK compressors, which makes just about everything sound great! Another useful feature of the introduction of M&S is a post-compression width control. This can be used as a 'trim' for stereo material, and can make a signal go from mono, right up to 200% in width. This makes the SC4 superlative for all kinds of recording studio, post production and broadcast setups, as the sounds generated will defy their underlying mathematical purity.

The SC4 is the best that photo optical compression and quality digital and analogue interfaces have to offer. It is units like the SC4 that turn project into professional studios.

"A Truly useful and sweet sounding
mastering compressor"
Sound on Sound

www.joemeeek-uk.com

JOEMEEK
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JOEMEEK VC7

- dual channel impedance matching mic pre amplifier



The **JOEMEEK VC7** embodies the best of transformer mic pre amplifier design, along with a unique and useful impedance matching feature

The VC7

The JOEMEEK VC7 offers two high performance, transformer coupled mic pre amplifiers in a single unit, with additional features not found on other units. As well as phase reverse, input and output gain, and a switchable Sallen and Key high pass filter, the VC7 offers a unique microphone impedance matching facility that allows the engineer to 'tune' a microphone to maximise performance or suit a situation.

The VC7 principle

It's JOEMEEK Company theory that 'big' sounds are only possible if the recording process keeps the response and phase of the lower frequencies flat and under control. The JOEMEEK VC7 achieves this by maintaining an extended frequency range down below 8Hz (when the filter is selected to 'flat'). This ensures that there are no sudden phase shifts in the low end. The proof of the theory is that the sound from the VC7 is characteristically full bodied and rounded in character. Such extreme LF response can often bring its own problems so a precision high pass filter with a suitable range of frequencies is fitted per channel.

Dual transformer coupled mic pre amplifiers for supreme sound quality and depth

'Superbal' balanced XLR line outputs

Robust 48V phantom power on appropriate impedance settings

Additional balanced M&S encoded outputs for monitoring M&S recordings, or decoding/encoding

Unique mic impedance matching feature per channel, allows the user to optimise the sound from any microphone

Selectable **Sallen and key high pass filter** at 25,50,75,100Hz, **Phase reverse switch**, indicator, and overload indicator per channel

Special Features

The feature that really sets the VC7 apart from other custom pre amplifiers is the mic impedance matching facility that can be used as a precision trim, or an artistic effect. The VC7 offers the following options:

'50ohm' Classic microphones with 50 ohm impedance;

'200 ohm' Use this position for all conventional 200 ohm microphones which do not require phantom power.

'LOW Ph' This setting is designed specifically for modern capacitor microphones with solid state head amplifiers.

'200Ph' Setting for most phantom powered capacitor microphones.

'600Ph' Is for other capacitor microphones which have source impedances from 250 ohms up to 600 ohms.

The VC7 also comes equipped with M&S outputs that may be used to convert a Left/Right signal into middle and side, or, when using an M&S microphone, the VC7 will enable you to monitor in L/R while recording in M&S.

VC7 History

The JOEMEEK VC7 is a development of historic tried and tested circuits and designs from the 1960's to the present day, combined in a dual channel outboard rack unit. It gives accurate matching of microphone to amplifier that is not possible with other microphone amplifiers. This is in addition to its most important feature, a characteristically warm yet open sound, that can be tuned to match any microphone. In short the VC7 represents the best design features of any mic pre amplifier, as well as some extended useful features that are unique to this model.

*"Anyone not able to try this unit would be at a loss, there are no gimmicks here, just quality and flexibility at a good price.
Paul White, Sound on Sound"*

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JOEMEEK
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HOOTERSOUND Ltd. B1

Mic Amp/Compressor/Limiter/Gate



The HooterSound B1 is a powerful musical tool, allowing the musician, sound engineer and recording artist to get the best possible sonic performance from their mic or instrument sources. This unit combines four pieces of professional equipment into one clever unit, that are essential to achieve professional results.

The B1 concept

The HOOTERSOUND B1 is a combination of four professional studio tools, all useful when tracking in a studio or performing live.

1. The mic pre amp ~ A mic pre amp is the part of your recorder that converts the very low volume signals produced by an instrument or microphone into higher volume ones suitable

compressor. Compression is a tool used by all professionals to make sounds more powerful in a mix.

3.4. The Limiter and Gate ~ The limiter will act to protect your recorder or P.A. from overloads and distortion, the Gate can be used to remove background noise, meaning clear sounds every time! Once you have started using a Hooter, you will never want to record without it.

knob talk



High quality mic pre with 60dB gain available and 48V phantom power

Fast VCA compressor with variable ratio, release control in/out switch, and indicator

Soft switched mute function with bright flashing indicator

Integral limiter to protect your system from digital clips

Ultra smooth gate with hysteresis, can remove background noise, and even remove feedback

Bright 5 LED input gain meter and output gain trim control for precise level matching

for recording. These are often very cheap in design and poor in performance as manufacturers include four or more of them in most multi-trackers. This means that your sound may be accompanied by background 'hiss' and poor dynamics leading to a flat, lifeless sound. The B1 is different. The B1 gives you ONE mic amp of uncompromising quality, which even on its own will radically improve your recording results.

2. The Compressor ~ An option missed on smaller recording systems is having a good

- *Quality mic pre amplifier
- *48Volt phantom power
- *Limiter
- *Instrument input

- *VCA compressor
- *Superb gate
- *Mute feature
- *Dual Outputs

"At such a titillating price, you can't afford to be without your Hooters!"
Alan Branch, The Mix

www.joemeek-uk.com

JOEMEEK
COMPRESSION