

Marshall
AMPLIFICATION

JH-1 Jackhammer

THE
JACKHAMMER
JH-1

Owners Manual

Jackhammer Suggested Settings



CLASSIC CRUNCH (Amp: Clean)



CLASSIC DRIVE (Amp: Slightly Overdriven)



ULTRA CRUNCH (Amp: Clean)



ULTRA LEAD (Amp: Clean)



From The Chairman

I would like to personally thank you for selecting one of our effects pedals.

For over 40 years the Marshall name has been synonymous with the greatest guitar tones in music. We have worked hand in hand with guitarists from all levels throughout the world to maintain and improve that special ingredient, 'The Marshall Sound.'

Our range of effects pedals gives the opportunity to augment the classic Marshall tone to add Marshall character to a guitar set-up.

All our pedals are made with the same utmost attention to quality, in both materials and manufacture as our world renowned amplifiers, cabinets and combos, in order to provide you with optimum reliability and tone.

I would like to wish you every success with all of your musical endeavours and also your new Marshall effects pedal, which I am sure you will find a pleasure to play for many years to come.

Yours Sincerely,



WARNING!

IMPORTANT Precautions

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

Do not expose the apparatus to rain or moisture. Do not expose the apparatus to dripping or splashing. No objects filled with liquids should be placed on or near the apparatus. Do not use this apparatus near water.

Clean only with dry cloth.

Changes or modifications not expressly approved by Marshall Amplification plc could void the user's authority to operate the equipment.

Heed all warnings.
Follow all instructions.
Keep these instructions.

European Product Only



Introduction

Since we began in 1962, the Marshall name has been synonymous with high quality distortion tones. Initially the way to get classic Marshall distortion was to naturally overdrive one of our valve amps by cranking it up to full volume. As time went by our Master Volume heads allowed the generation of more extreme levels of distortion as the pre-amps valves were driven into overdrive. Our first generation pedals simulated these various valve amp type distortions in convenient, cost effective stomp boxes.

The Jackhammer is the next step on from previous Marshall distortion pedals. It contains our most extreme distortion levels to date, combined with a Contour section that allows you to not only scoop out the mids, but also choose the frequencies at which the scoop occurs. This means that you can tailor your sound to your own individual requirements.

Although the Jackhammer has more aggression and gain than any other Marshall pedal, we never forget our heritage. The sounds contained are always natural and realistic, like a super high-gain valve head pushed to the max.

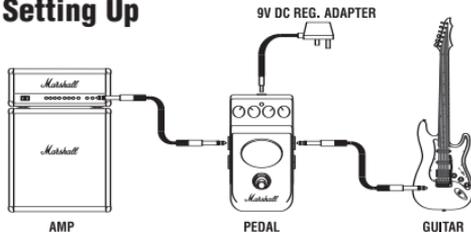
The Jackhammer features two modes; Overdrive and Distortion. Overdrive delivers an open crunch for that classic Marshall roar, whereas Distortion gives you a smooth and singing compressed high gain tone.

The Jackhammer features a passive bypass for the main signal path, to ensure complete tonal integrity and has a quality of tone matched only by its versatility.

Here follows a complete run down of the Jackhammer's features for your information. We have also enclosed a number of suggested settings to help guide you. It should be remembered that these are only suggested settings and you should experiment as much as possible.

If you take the time to explore the many different overdrive and distortion characters of the Jackhammer, you won't be disappointed.

Setting Up



Always use good quality shielded leads.
Always use 9V regulated DC supply with centre negative.

Although it may seem obvious the first action in achieving a good effected sound (be it duration / compression etc.) is to find the perfect bypassed sound. This will then allow the correct level to be set with the effect unit to allow a cut or boost in volume and a realistic tone.

On clean channels it is advisable to set the gain (or volume) to a setting of no less than one quarter maximum so as not to get unrealistic results due to any volume dependent tonal shaping on the amplifier preamp.

Features

1. Jack Socket

This is the output of the Jackhammer and is for connection to the amplifier or to another effects pedal.

2. Mode

Allows for selection of the Jackhammer's two modes; Overdrive and Distortion. Overdrive gives you traditional Marshall open roar, similar to JCM 800 style Master Volume models with more bite and dynamics. Distortion Mode delivers a more saturated high gain compressed tone, similar to the high gain channels on JCM 2000 models.

3. Gain

This increases the amount of distortion, taking you from vintage

breakup, ideal for big crunchy chords, sweet singing blues and classic rock on Crunch mode; and from powerful overdrive to full on high gain distortion and compressed super saturation on the Lead mode.

4. Volume

Adjusts the volume of the Jackhammer, allowing you to set the pedal for a boost or cut in volume when in operation, should you so wish.

5. DC Input

For input of a 9V DC adaptor (as detailed previously) should you not wish to use batteries

6. LED

Indicates when the Jackhammer is in operation.

7. Treble

Adjusts the Treble frequencies in your tone.

8. Bass

Adjusts the bass frequencies of your tone.

9. Contour Freq.

By adjusting the Contour Freq. you can govern exactly which frequencies the Contour control (item 9) will scoop. With the Contour Freq. set at 12 o'clock the Contour acts like a traditional Marshall Contour control. Turning the Contour Freq. anti-clockwise cuts lower mids and bass from your tone, while turning the Contour Freq. clockwise will cut upper mids and treble.

10. Contour

The Jackhammer features a stunning Contour control, modelled on the acclaimed Contour circuitry found on our Valvestate models. This allows you to 'scoop' certain frequencies from your tone. This item controls the amount of scoop in your tone. Turning clockwise will scoop out more mid. When full counter-clockwise the Contour section, including the Contour Frequency control, is bypassed.

11. Jack Socket

This is the input jack, for connection from your guitar or from another effects pedal if you are linking pedals together.

12. Foot Switch

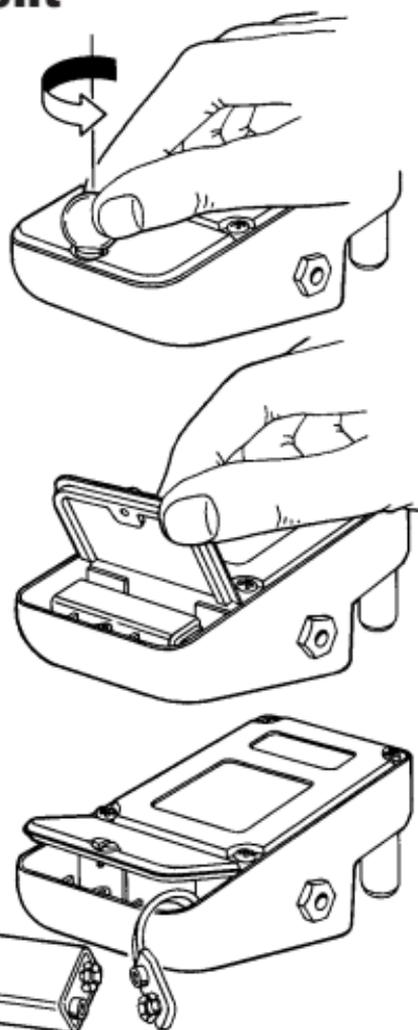
For switching the Jackhammer on and off.

Trouble Shooting

	CHECK BATTERY	CHECK LEADS	CHECK PEDAL CONTROLS	DC INLET	CHECK AMP CONTROLS	CHECK GUITAR
WHAT IF NO OUTPUT	✓	✓	✓	✓	✓	
NOISE IN BYPASS		✓				
INDICATOR LED NOT ON	✓	✓ INPUT LEAD		✓		
SOUND TOO TREBLE OR FIZZY			✓		✓	
SOUND TOO MUSHY OR BASSY		✓			✓	
UNUSUAL FEEDBACK		✓	✓ REDUCE TREBLE		✓ REDUCE TREBLE	✓
UNUSUAL HUM		✓	✓	✓	✓ MOVE AWAY FROM AMP	
BASS FEEDBACK						✓ PICKUPS MAY BE VIBRATING

Battery Replacement

1. To replace the battery, open the easily accessed coin screw battery cover plate by loosening screw as shown, then disconnect the battery connector lead.
2. Use PP3 or equivalent battery (for improved battery life use alkaline type)
3. Always ensure that the battery is removed when the pedal is not in use for long periods.
4. Dispose of old battery in a safe place.



Technical Specification

Power: 9V DC Centre Negative Regulated

Current Draw: 13mA

Controls: Overdrive & Distortion Mode, Gain, Volume, Bass, Treble, Contour & Contour Frequency controls

Switches: On/Off Switch

Indicators: On/Off LED

Jacks: Input/Output 'Jacksockets'

Input Impedance: 1M Ω

Output Load Impedance: < 20k Ω

Dimensions: 120mm x 65mm x 55mm

Weight: 510 grammes