



Marshall
AMPLIFICATION
OWNER'S MANUAL

JCM-1H and JCM-1C

Limited Edition, 50th Anniversary, all-valve 1-Watt Head and Combo
commemorating the 1980s decade of Marshall



Marshall

From “the Guv’nor” Jim Marshall

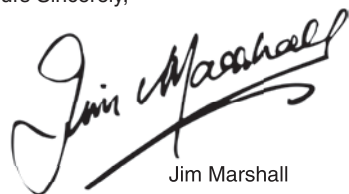
Congratulations on purchasing one of our Limited Edition series of 1-Watt heads and combos that celebrate Marshall’s 50th Anniversary. Each one is made in England with pride and commemorates the distinctive tonal character, features and iconic appearance of a specific decade – ‘60s, ‘70s, ‘80s, ‘90s and present day. The JCM-1H head and JCM-1C combo are the third pair in the series and pay tribute to the Marshall amps that literally dominated the sound of hard rock and heavy metal in the ‘80s...

The 1980s was a huge, game changing, decade for guitar music. A more aggressive sound was being sought by the emerging rock and metal bands of the era, with many finding the tone of the newly released JCM800 Series, especially the 100-Watt, 2203 head, exactly what they were looking for. The innovation of Marshall’s Master Volume technology also meant that the overdriven sound of these new Marshalls could now be played at any volume.

The 1-Watt amp you now own pays homage to both the tone and look of that all-important third decade and does so at a very “studio” or “home friendly” volume. The front panel of your amp is very simple, but extremely effective, and I’m sure that its touch responsive, easily-overdriven tones will give you countless hours of playing pleasure.

Welcome to the Marshall family!

Yours Sincerely,



Jim Marshall

Overview

The JCM-1H head and JCM1-C combo are 1-Watt valve amplifiers voiced to emulate the Marshall tones that dominated the ‘80s, but at a controllable, home-friendly volume.

In 1981, Marshall introduced the now iconic JCM800 range and once again redefined the rock guitar sound. The aggressive, biting sound of the 2203/2204 amplifiers became the “must have” sound of the NWOBHM (New Wave of British Heavy Metal) and also the “hair metal” movement that was exploding on LA’s infamous Sunset Strip. That said, it was also adopted by many other genres. The late ‘80s saw the introduction of the split-channel amplifiers and the revered Jubilee Series. These upped the ante with clipping circuits to increase the overdrive. Now those classic Master Volume sounds have been captured in the JCM-1 H and JCM-1C, with a little extra “split-channel” gain available for good measure.

The 3-band EQ section of Bass, Middle and Treble allow for both fine tonal tuning and extreme sonic shaping – rich, full-bodied crunch and scooped metal tones are just a few dial turns

away. The Boost switch adjusts the pre-amp between classic Master Volume and later Split Channel voicings. Controls for both Master and Pre-Amp (Gain) Volume govern the JCM-1’s overall output and overdrive respectively.

Internally, the pre-amp is driven by two ECC83 (12AX7) valves with one ECC82 (12AU7) valve in the power amp. The power-stage is configured as a ‘push pull’ amplifier, just like the famous JCM800 amplifiers of the period, delivering that classic bark and growl with a surprising amount of “thump” for an amp of the JCM-1’s diminutive stature.

The JCM-1 combo is fitted with a 10" 16Ω Celestion speaker, specially voiced to give the best balance between a compact size and a full sound. Both the combo and the head can drive an external speaker cabinet of either 16Ω or 8Ω at full power via the corresponding speaker output sockets on the rear panel. Both amplifiers are very happy driving a full 4x12" cabinet for the ultimate in mini Marshall ‘80s tone.

Follow all instructions and heed all warnings. KEEP THESE INSTRUCTIONS.

Warning:

Before going any further, make sure that your amplifier is compatible with your electrical supply. If you have any doubt, please seek help from a qualified technician – your Marshall dealer can help you in this respect.

Mains Input & Fuse:

Your amplifier is provided with either a detachable mains (power) lead which should be connected to the mains input socket on the rear panel of the amplifier or a fixed mains (power) lead attached to the rear of the amplifier.

The specific mains input voltage rating that your amplifier has been manufactured for is indicated on the rear panel of the amplifier.

The correct value and type of mains fuse for valve amplifiers is specified on the rear panel of the amplifier.

NEVER attempt to bypass the fuse or fit one of the incorrect value or type.

Transporting your equipment:

Please ensure that your amplifier is switched off and unplugged from the mains electricity supply and that all removable cables have been disconnected from your equipment before attempting to move it.

Important set up information:

1. Make sure that the cabinet(s)/speakers, where appropriate, are connected to the correct impedance LOUDSPEAKER jack(s) on the rear panel of the amplifier. See the Speaker Output guides in this handbook, if applicable, for specific information regarding impedance matching. When using an extension cabinet make sure that you are using a proper speaker cable. Never use a screened (shielded) guitar cable for this purpose.

WARNING! Failure to do any of the above may damage your amplifier.

2. Ensure that the VOLUME controls on the front panel are set to zero.

3. For amplifiers provided with a detachable mains (power) lead, connect the supplied mains (power) lead into the MAINS INPUT on the rear panel first and then into an electrical outlet.

4. Plug your guitar into the INPUT jack socket on the front panel.

5. Turn the front panel POWER switch on and, if a valve amplifier, wait a couple of minutes before going to point 6.

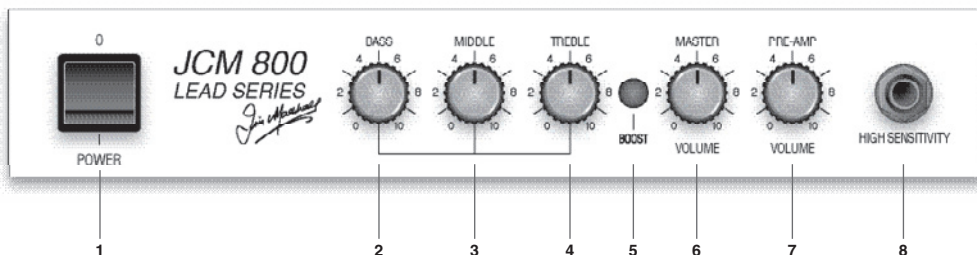
6. Turn the volumes up to your preferred level and your amp is ready to play.

EUROPE ONLY – Note:  This equipment has been tested and found to comply with the requirements of the EMC Directive (Environments E1, E2, and E3 EN 55103-1/2) and the Low Voltage Directive in the E.U.

EUROPE ONLY – Note: The Peak Inrush current for the JCM-1H and the JCM-1C is 1.5A.



Front panel*



***NOTE:** The JCM-1H front panel is illustrated. The JCM-1C panel is identical but runs in the opposite direction.

IMPORTANT: Read before powering-up
Before powering-up your Marshall JCM-1 amplifier, you must ensure that an appropriate speaker cabinet is connected to the corresponding impedance matched loudspeaker jack on the rear panel, (unless 'low power' mode is selected). Failure to do so could result in serious damage being caused to your amplifier. Always use an unshielded loudspeaker cable to connect an amplifier to a loudspeaker cabinet, never use a screened (shielded) guitar cable. After use, always allow the amp to cool down before moving.

IMPORTANT NOTE: Please refer to the Warning plate on either the underside, or the rear of the product

1. Illuminated Power Switch

This is the On/Off switch for the mains electricity supply to the amplifier which will light up whenever the amp is plugged into the mains and the Power Switch is on.

NOTE: Please allow a minute or so for the amp to 'warm-up' after switching on. This is normal with valve amplifiers as valves need to reach their 'working temperature' to operate properly.

2. Bass

This control adjusts the amount of low frequencies (bottom-end) in your sound. Higher settings increase the 'fullness' of your tone, while lower settings make the sound clearer and more distinct.

3. Middle

This controls the mid-range of your sound.

Turning this up will make your guitar sound fatter and fuller. Turning this down will make the sound more 'scooped'.

4. Treble

This control determines the amount of high frequency (top-end) that is present. Higher settings increase the 'brightness' of your tone, while lower settings make the sound softer and less defined.

NOTE: The Treble, Middle and Bass controls are highly interactive; adjusting one of them will change the frequencies and range of the other controls.

5. Boost Button

Pressing this button changes the pre-amp from the classic 'Master Volume' voicing to the later 'Split Channel' boost sound. When active, the sound is smoother and more distorted. With the button out, the sound is more dynamic and responsive to the guitar's volume control. The effect of this control is more apparent when the Master Volume is at lower levels (less than 2 o'clock on the dial).

6. Master Volume

This control sets the overall output volume of the amplifier; it also lets you balance pre-amp and power amp overdrive and so is often adjusted at the same time as the Pre-Amp Volume control (7). As the level is increased, the volume of the amplifier rises until the power amplifier starts to overdrive at which point the sound will thicken up.

7. Pre-Amp Volume

Adjusting this control changes the amount of gain in the pre-amp. Low settings will give a clean pre-amp and it will act as a volume control. Higher settings will cause the pre-amp to overdrive.

Front panel continued



8. Input Jack Socket

This is where you plug your guitar into the amp. You must use a screened (shielded) guitar cable. Never use an unscreened (unshielded) speaker cable. The input to any guitar amplifier is a very sensitive part of the signal path and is very sensitive to electrical interference, hence the need

for a screened guitar cable. Your screened cable should be of good quality. If you are in any doubt regarding this, your Marshall dealer will be more than happy to help and advise you.

Rear panel*



***NOTE:** The JCM-1H rear panel is illustrated. The JCM-1C panel is identical but runs in the opposite direction.

WARNING: Although your JCM-1 amplifier has 2 extension speaker outputs, never attempt to connect cabinets to both extension speaker outputs simultaneously. Only use one speaker output at a time.

1. Extension Speaker 8Ω

This is the output that connects to an 8Ω extension cabinet.

2. Extension Speaker 16Ω

This is the output that connects to a 16Ω extension cabinet.

3. Low Power switch

This switch activates the Low Power mode. The amplifier is connected to an internal dummy load and a reduced level is fed to either internal speaker (JCM-1C combo) or external load (both head and combo). This level has been selected for personal practice and is approximately 0.1-Watts.

NOTE: With this button pressed, the amplifier may be operated without a speaker connected without causing any damage.

4. Mains Input

Your amplifier is provided with a detachable mains (power) lead, which is connected here. The specific mains input voltage rating that your amplifier has been built for is indicated on the back panel. Before connecting for the first time, please ensure that your amplifier is compatible with your electricity supply. If you have any doubt, please ask the advice of a qualified technician. Your Marshall dealer will help you in this respect.

The correct value of mains fuse located in the small drawer at the bottom of the mains socket is specified on the rear panel of the amplifier. The drawer contains a space for a spare fuse.

NEVER attempt to bypass the fuse or fit one of the incorrect value!

NOTE: It is wise to carry spare fuses at all times.

JCM-1H and JCM-1C Technical Specifications

	JCM-1H	JCM-1C
Power (RMS)	1W	1W
Valves	1 x ECC82 + 2 x ECC83	1 x ECC82 + 2 x ECC83
Dimensions (mm) H , W, D	180 x 380 x 195	360 x 380 x 220
Weight (kgs)	5.2	9.4



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Whilst the information contained herein is correct at the time of publication, due to our policy of constant improvement and development, Marshall Amplification plc reserve the right to alter specifications without prior notice.

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