



Marshall
AMPLIFICATION
OWNER'S MANUAL

JTM-1H and JTM-1C

Limited Edition, 50th Anniversary, all-valve 1-Watt Head and Combo commemorating the 1960s 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. This one is the first in the series and represents the sounds of the early Marshalls manufactured in the company's first decade of existence, the 1960s...

As you may know, with the help and the designing skills of Dudley Craven and Ken Bran, the first ever Marshall head was built in the autumn of 1962. The reason for its creation was to satisfy the tonal desires of the up-and-coming rock guitarists at the time. They described to me the exact sound they were looking for and that was the goal we achieved with that very first amp – the MK I. During that decade the amp evolved into the JTM45 Mk II head and also the 1987 Lead version. The 1962 Bluesbreaker 2x12" combo was another of its offspring, born in the '60s.

The 1-Watt amp you now own pays homage to both the tone and look of that all-important first 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 JTM-1 is an all-valve, 1-Watt amplifier designed and voiced to reproduce the sounds of the Marshalls of the '60s but, as Jim has just mentioned, at a controllable “home friendly” volume.

The '60s Marshalls were famous for their full sound, where a well rounded bass is balanced by a bright airy treble. They were also designed for a wide range of guitar output levels, so were quite easy to overdrive at high volumes. The JTM-1 has been designed to provide this distinctive tonal character at the surprisingly loud level of one Watt.

The simple control layout of Loudness and Tone enables you to dial in a great sound with the minimum of fuss. To add further to the “home friendly” nature of this amp, whenever the full 1-Watt output proves too loud you can hit the Low Power button on the rear panel to further drop the volume – enabling you to crank the loudness control to get the tone you desire.

The dual-triode ECC82 in the power amp is configured to work in ‘push pull’, just like the famous Marshall amps of the period. When combined with the right level of feedback in the power amp, this allows for fine control over the dynamics, allowing you to clean up the sound with the guitar volume, or a lighter, picking touch, and then “dig in” for some classic '60s Marshall growl.

The combo is supplied with a 10" 16Ω Celestion speaker specially voiced to provide 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 jacks on the rear panel. Both amplifiers are also very happy driving a full 4x12" cabinet for the ultimate in mini Marshall tone of the '60s.

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.

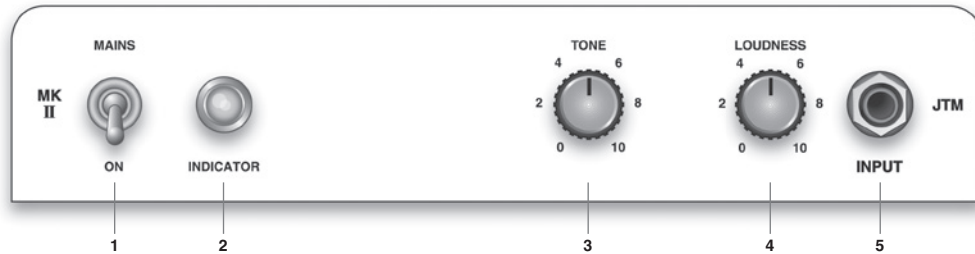
WARNING! Failure to do any of the above may damage your amplifier.

2. Ensure that the LOUDNESS 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 MAINS 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 JTM-1H and the JTM-1C is 1.5A.

Front panel



IMPORTANT: Read before powering-up

Before powering-up your Marshall JTM-1 amplifier, you must ensure that an appropriate speaker cabinet is connected to the corresponding impedance matched loudspeaker jack on the rear panel. 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.

NOTE: the internal speaker in the JTM-1C is 16Ω

IMPORTANT NOTE:

Please refer to the 'Warning' plate on underside or back of the product.

1. Power Switch

This is the On/Off switch for the mains electric power to the amplifier.

NOTE: Please ensure the amplifier is switched off and unplugged from the mains electricity supply whenever it is moved!

2. Mains Indicator

This amber indicator will light up whenever the amp is plugged into the mains and the Power Switch (1) 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.

3. Tone

This control determines the amount of high frequency (top-end or treble) that is present. The tone control differs from most other single tone knobs in that it boosts as well as cuts. To set the control at 12 o'clock and then cut or boost according to taste.

4. Loudness

This control sets the overall output volume of the amplifier. At lower volume levels, the tone is also a little brighter. As the loudness is increased, the amplifier will start to overdrive.

Tonal Tip: The bassy nature of the amplifier means that with many guitars, the sound most typical of the era is with the Loudness at less than maximum. In the '60s it was very common to use a treble booster or fuzz box to get more overdrive without losing definition.

5. 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



WARNING: Although your JTM-1 amplifier has two 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 (JTM-1 combo) or external load (both head and combo). This level has been selected for personal practice.

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.

JTM-1H and JTM-1C Technical Specifications

	JTM-1H	JTM-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

Notes



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