

Marshall
AMPLIFICATION

Class **5**
Valve Amplifier



OWNER'S MANUAL



Marshall

From
Jim Marshall

I would personally like to congratulate you on your purchase of the Marshall Class5 amplifier.

One of my golden rules has been, and always will be, to listen to what guitarists want from their amplifiers. When the company started receiving numerous requests to produce an amplifier containing all the harmonics, feel and tone of a classic Marshall stack, but at a fraction of the size and volume, I set my experienced R&D team the challenge.

In response, they have created the Class5, a single channel, 5 Watt, all-valve combo brimming with classic Marshall tone. I was amazed when I heard what this small amp could do, it really does punch way above its weight and contains everything from bright cleans to classic crunch and fantastic lead solo tones.

The high quality construction is something I'm particularly proud of too. Every Class5 amplifier is created from specially sourced components and materials by our highly skilled and dedicated shop floor staff in our factory in the heart of the UK. Their attention to detail and unwavering standards mean your new amplifier will truly stand the test of time.

I would like to take this opportunity to wish you every success with your new Marshall Class5 amp.

Yours Sincerely,

Dr Jim Marshall OBE



Overview

The Class5 is a 5 Watt, all-valve, class A amplifier in 1 x 10" combo format.

This small combo amplifier is in response to a very common request we have received over the years which nearly always contains the phrase - "can we have the Marshall stack sound, but at a much lower volume please", so here it is, a 'baby Plexi' if you like!

Incorporating a very simple layout of Volume, Treble, Middle and Bass, it is designed to deliver those great cranked tones with minimum fuss and environmental abuse, a must for recording and ideal for rehearsals and small gigs. A headphone output is also included for private practice.

Two ECC83 (12AX7) double triode preamp valves and a single EL84 pentode power amp

valve ensure that the signal path is pure class A valve tone from beginning to end.

Class A topologies are known for their generous second harmonic distortion characteristic, which is very pleasant to the ear and results in some classic overdrive tonality. Cranking the amp up to its full 'deceivingly respectable' output will yield some red hot Marshall roar, which can alternatively be driven into a 16 Ω 4 x 12" for some of that extra bottom-end resonance familiar to nearly all Marshall devotees!

The internal 10" speaker is the newly developed Celestion G10F-15 which is the perfect partner for this amplifier and maximises the tonal spectrum admirably considering the compact size of this little brute!

Technical Specification

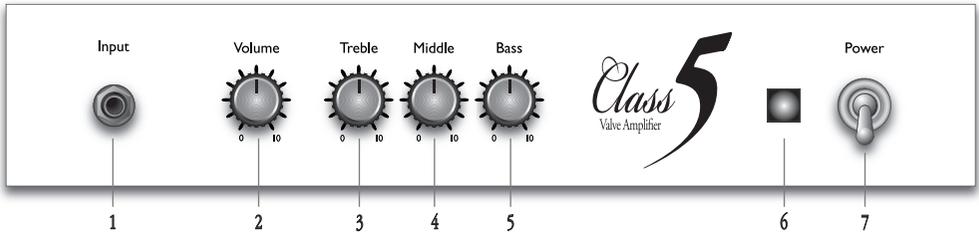
Power	5W
Pre-amp Valves	2 x ECC83
Power Amp Valves	1 x EL84
Speaker	1 x 10" 16 Celestion G10F-15
Dimensions W, H, D (mm)	495 x 415 x 230
Weight (kg)	12

* **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 Class5 is 8 amps.

**Follow all instructions and heed all warnings
KEEP THESE INSTRUCTIONS!**

Front panel



1. 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 therefore susceptible to airborne radio interference, hence the need for a screened guitar cable. This screened cable should preferably 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.

2. Volume

This control sets the overall output volume of the amplifier.

Tonal tip: It is practical to set this first to suit the environment in which you are playing as the position of the volume largely dictates the optimum positions for the other controls.

3. Treble

This control determines the amount of high frequency that is present and gives your guitar tone a defining edge as it is turned up.

4. Middle

This controls the mid-range of your sound. Turning this up will make your guitar sound fatter and fuller.

5. Bass

This controls the amount of low frequencies (bottom end) in your tone.

6. Mains Indicator

This red indicator will light up whenever the amp is plugged into the mains and the Power Switch (7) is on.

Note: Please allow a minute or so for the amp to 'warm up' after switching on. This is perfectly normal with valves as they need to come up to their 'working temperature'.

7. 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!

Rear panel



1. Mains Input Socket with incorporated Mains Fuse

Your amp 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 rear panel. Before connecting for the first time, please ensure that your amplifier is compatible with your electricity supply. If you have any doubt, please get advice from 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.

2. Headphones Output Jack

This is the output used to feed a standard commercial set of headphones.

The signal here is derived from the speaker output with added filtering in order to include the power amp and output transformer's contribution to the overall tone.

A 16Ω dummy load is connected across the headphone output to maintain the correct 'reflected' impedance for the power amp.

3. Headphones/Extension Speaker Selector switch

This switch selects the routing for the output signal.

With the switch toward the 'Extension Speaker' jack, only the internal speaker, or extension speaker if used, will be active. Nothing will appear at the 'headphones' output.

With the switch toward the 'Headphones' jack, only the headphones jack will be active. The extension speaker will be muted. A brand new feature is the 'Low Power Mode'. This can be accessed by simply setting the rear panel switch to 'Headphones/Low Power Mode'. If no headphones are plugged into the headphones jack socket, then the low power signal is routed directly to the internal speaker. The volume in this mode is far more suited to private practice at home.

4. Extension Speaker Output Jack 16Ω

This is the output used to feed an alternative 16Ω extension cabinet, a typical example being a Marshall 4 x 12". When connecting the extension cabinet, the combo's internal speaker is automatically disconnected.

ALWAYS ensure you use good quality speaker (unshielded) cables. NEVER use guitar (shielded) cables.

WARNING! Never use the amplifier without a load (speaker cabinet/s) attached!

Always use a non-screened Marshall approved speaker lead when connecting an extension cabinet to these units.



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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.