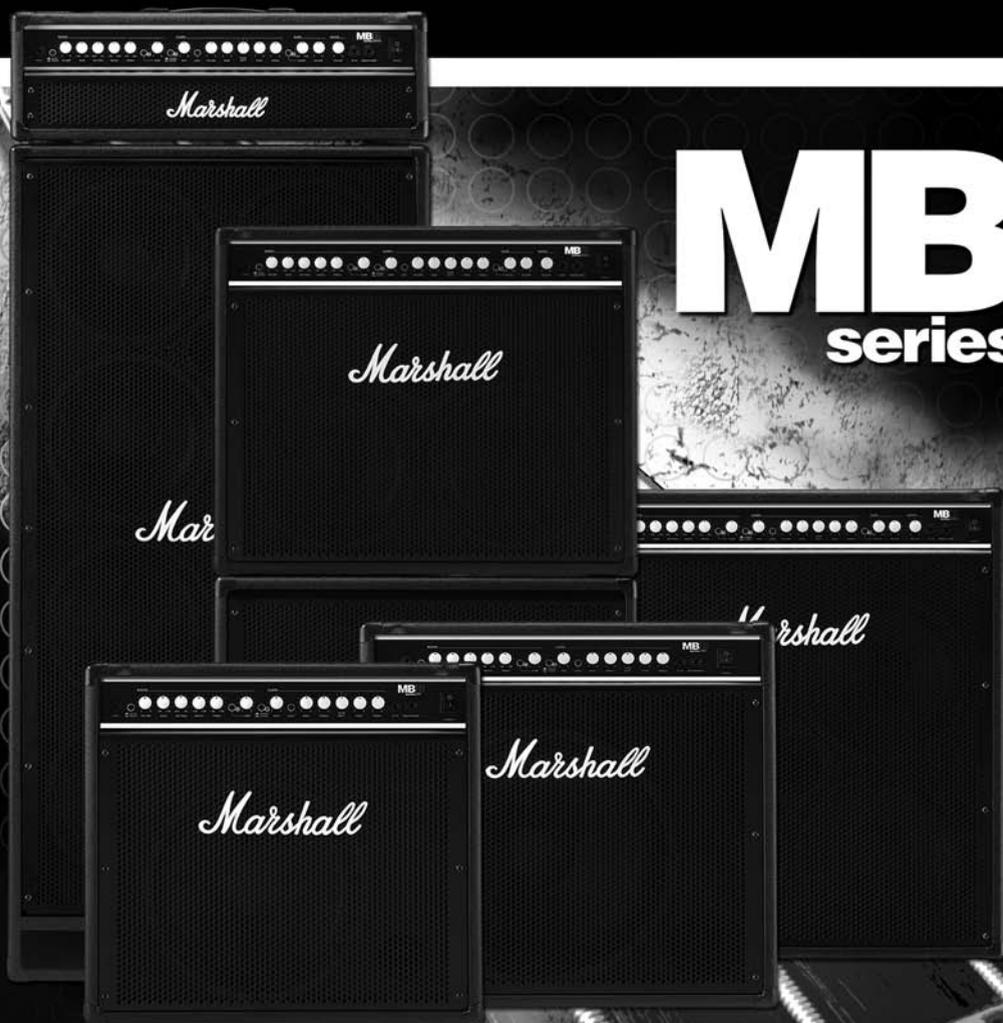


Marshall



MB series

MB60, MB150, MB450H, MB4410 & MB4210
Owners Manual

Marshall

ENGLISH

From Jim Marshall

I would like to thank you personally for selecting one of our new MB Bass amplifiers.

As a musician myself I fully understand the necessity of achieving the right tone and feel to help inspire musicians to reach their full creative potential – be they aspiring beginners or more skilled players. With this in mind I set my experienced R&D team the task of designing a new range of affordable bass amplifiers that truly captured the essence of the Marshall sound.

Utilising new technologies, some of which were developed for our critically acclaimed AVT range, the new MB Series raises the standard for what can be expected from a value-for-money range of bass amplifiers and defines a new benchmark.

Like all the amplifiers in my new MB range, this amp was completely designed and engineered in the UK and the most rigorous quality control procedures ensure that it meets the standard of build you have come to expect from all Marshall products.

Whether this is your first ever Marshall or is the latest addition to your arsenal of amps, the tone, flexibility and feel of this compact, rugged amplifier will deliver the goods – from bedroom to backstage!

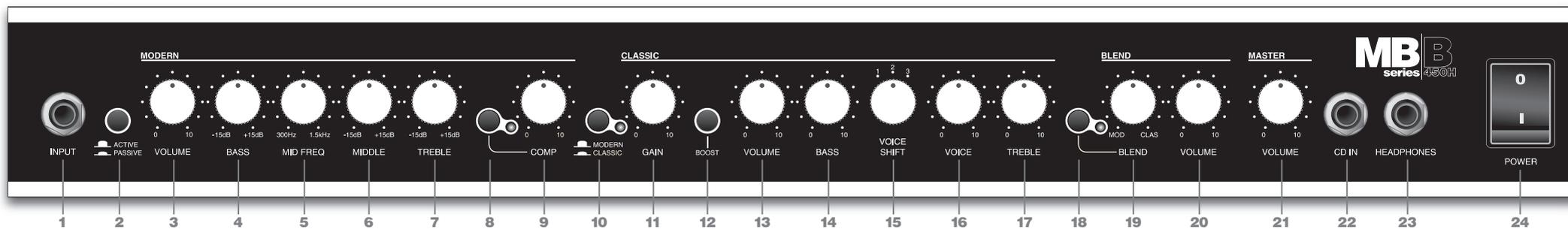
I wish you every success with your new Marshall. Welcome to the family...

Yours Sincerely,

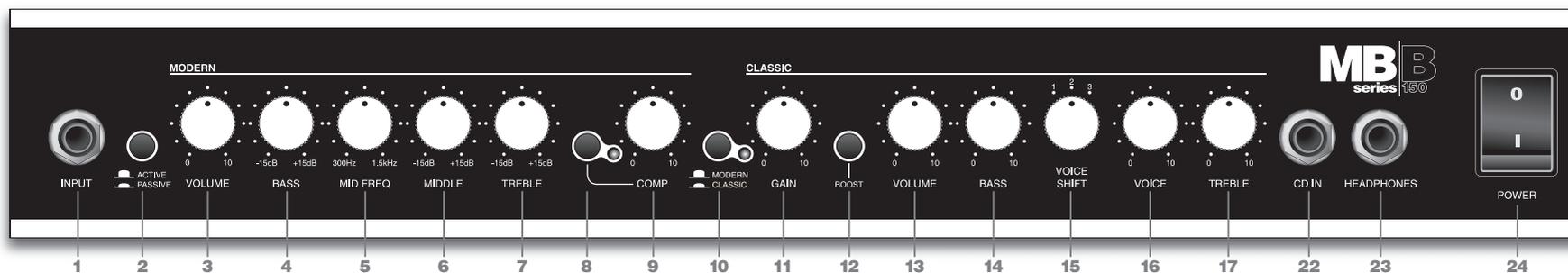


Dr Jim Marshall OBE and daughter Victoria (Managing Director)

MB450H, MB4210 & MB4410 Front Panel Features



MB60 & MB150 Front Panel Features



1. INPUT Jack Socket

Jack input for your bass guitar. Use a good quality guitar cable (i.e. one that's screened/shielded) to help prevent noise, interference and unwanted feedback.

2. ACTIVE / PASSIVE Switch

This push switch allows you to change between Active and Passive instruments. The gain is reduced 6dB when in 'Active' position.

MODERN CHANNEL

The Modern channel hits those super crystal clean notes when clarity is a must.

3. VOLUME Control - Modern Channel

This control adjusts the volume of the Modern Channel.

4. BASS Control

Turning the Bass control will affect the amount of low frequencies or bottom end in your bass guitar tone. Rotating this clockwise will increase the amount of lower tones generally making your bass sound deeper. Turning this control anti-clockwise will reduce the bass frequencies in your tone producing a reduction in bottom end thud.

5. MID FREQUENCY Control

Constitutes a semi-parametric equalizer together

with the Middle control. It adjusts the centre frequency where the Middle control takes affect.

6. MIDDLE Control

The middle frequencies tend to effect the fatness or body of the tone. The frequency of the middle band is adjusted by means of the Mid Freq control. Usually this control will be used to remove mids rather than increase them making the bass sound rounder and fuller. Increasing the mids usually makes the bass sound 'boxy'.

7. TREBLE Control

By adjusting the Treble control you can add or take away the higher frequencies in your bass tone. By increasing the amount of treble you will make your tone brighter, ideal for more percussive playing styles.

8. COMPRESSOR Switch & LED

This switch turns the Compressor control on and off. When the switch is 'in' the Compressor control is active and the LED will be illuminated green.

9. COMPRESSOR Control

The Compressor smoothes out your bass sound. As you increase the amount of compression, so you flatten out the peaks in the incoming signal. When the compression reaches its threshold the LED will change to red.

10. MODERN / CLASSIC Switch

This push switch allows you to change between the amp's two channels, Modern and Classic, via the front panel. When this switch is 'out' the Modern Channel is engaged and the LED is green. Pushing it 'in' switches to the Classic Channel and the LED changes to red.

CLASSIC CHANNEL

The Classic channel presents gain worthy of the greatest rock bass player and heavy tone that is expected from a Marshall amp.

11. GAIN Control

This control sets the operating level of pre-amp. If you require a clean bass sound turn this control up until your bass just starts to distort and then back it off slightly. If on the other hand you would like a distorted sound, simply turn up the Gain control and drive the ECC83 valve until the required amount of distortion is achieved creating the warm Marshall tone.

12. BOOST Switch

The Boost switch increases the gain of the classic channel. When the switch is engaged the whole channel gain is raised making it much easier to get an overdriven sound.

13. VOLUME Control - Classic Channel

This control adjusts the volume of the Classic Channel.

14. BASS Control

Turning the Bass control will affect the amount of low frequencies or bottom end in your bass guitar tone. Rotating this clockwise will increase the amount of lower tones generally making your bass sound deeper. Turning this control anti-clockwise will reduce the bass frequencies in your tone producing a reduction in bottom end thud.

15. VOICE SHIFT Control

This 3 position control adjusts the overall tonal voicing of the amplifier.

Position 1 tailors the response of the amplifier for smooth low end, restrained lower mids, and mild high end lift, to give the classic vintage valve bass tone.

In position 2 the lower mid is made more prominent whilst simultaneously the upper mids are subtly scooped to give a more aggressive, growling quality to the amplifier's tone.

Position 3 introduces a gentle overall mid boost for an immediate, cutting, 'in your face' tone with the mids scooped even further to give an immediate, cutting sound.

16. VOICE Control

This control adjusts the response selected by the Voice Shift control.

17. TREBLE Control

By adjusting the Treble control you can add or take away the higher frequencies in your bass tone. By increasing the amount of treble you will make your tone brighter, ideal for more percussive playing styles.

BLEND

(Only on MB450H, MB4210 & MB4410)

You can select a blend of the two channels either from the front panel or via the supplied footswitch.

18. BLEND Switch & LED

This switch turns the channel mixing on.

19. BLEND Control

By adjusting this control it is possible to blend your signal between the Modern and Classic channels. When you do this the LED will be illuminated red.

20. VOLUME Control - Blend

Adjusts the volume of the Blend.

21. VOLUME - Master (Only on MB450H, MB4210 & MB4410)

Controls the overall volume.

22. CD IN Jack Socket

If you want to jam to your favourite CD, tape or mp3 player, merely connect the headphone output of your device here, adjust the player's volume to match that of your guitar and 'hey-presto' - you've got the perfect 'play-along' practice system.

23. HEADPHONES Jack Socket

For use when silent practice is the order of the day. Connection of headphones will automatically shut down the internal speaker / speaker cabinet.

24. POWER Switch

The power switch turns your amplifier on and off. The LED next to the 'Modern / Classic' switch will light up when your amplifier is turned on and will not be lit when the amplifier is switched off.

Note: The power amplifier is protected by a clipping limiter, so even when you play your amp loud, the sound remains clean.

Rear Panel Features

1. MAINS INPUT

Your amp is provided with a detachable mains (power) lead, which is connected here.

Note: The specific mains input voltage rating that your amplifier has been built for is shown 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 get advice from a qualified technician. Your Marshall dealer will help you in this respect.

Please ensure the amplifier is switched off and unplugged from the mains electricity supply before being moved.

2. SPEAKER OUT Socket(s)

There is one speaker jack socket on the MB60 and MB150 (marked 'INTERNAL 4Ω'). This is where the power amplifier is connected to the internal loudspeaker. It can be used to drive an external cabinet of at least 4 Ohms impedance.

There are 2 speaker jack/SPEAKON® combo sockets on the MB450H, MB4210 and MB4410. They accept either a standard 1/4" jack or a SPEAKON® connector and both of them carry the same signal allowing 2 cabinets to be connected simultaneously. The minimum load is 2 Ohms.

3. FOOTSWITCH Jack Socket

Connect the supplied footswitch here. This enables you to change between Modern and Classic channels. The MB450H, MB4210 & MB4410 have a twin footswitch which also switches the Blend feature.

4. PRE/POST Switch

Selects the signal available at the Balanced line out. When in PRE position the buffered and level adjusted input signal is present at the DI output. The signal before the Master potentiometer is made available at this connector when in POST position.

5. BALANCED LINE OUT

The Line Out Jack can be used for connection to recording equipment for direct recording or for connection to a P.A. system.

6. RETURN Jack Socket

This is where you connect the OUTPUT of the effects processor you are using in the effects loop.

7. SEND Jack Socket

If you want to use an external effects processor in your amp's built-in Series FX effects loop, this is the jack you connect to the INPUT of the unit you are using.

Technical Specification

	MB450H	MB4210	MB4410	MB150	MB60
Power (RMS) @ 4 Ohms	300W	300W	300W	150W	60W
Power (RMS) @ 2 Ohms	450W	450W*	450W*	-	-
Pre-amp Valve	ECC83	ECC83	ECC83	ECC83	ECC83
Bass Guitar Input Impedance	1MΩ	1MΩ	1MΩ	1MΩ	1MΩ
CD Input Impedance	10kΩ	10kΩ	10kΩ	10kΩ	10kΩ
Emulated Output Level	+4dBu	+4dBu	+4dBu	+4dBu	+4dBu
Weight	15kg	33kg	51kg	30kg	23kg
Size (mm) W, H, D	630 x 220 x 235	630 x 535 x 280	630 x 720 x 410	580 x 585 x 355	580 x 505 x 325

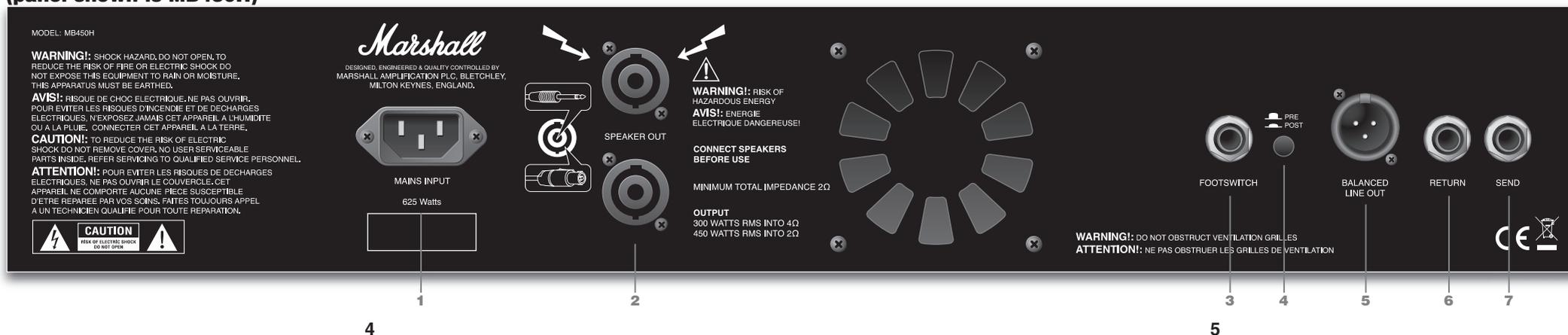
* with extension cabinet

Safe operating levels: The MB450, MB4210 and MB4410 amplifiers are designed to deliver 450W safely into 2ohm loads. However, impedances lower than 4 ohms together with high signal levels will produce more internal heating which may trigger the thermal protective muting.

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 MB450H, MB4210 and MB4410 is 28 amps.
 The Peak Inrush current for the MB150 is 30 amps.
 The Peak Inrush current for the MB60 is 13 amps.

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

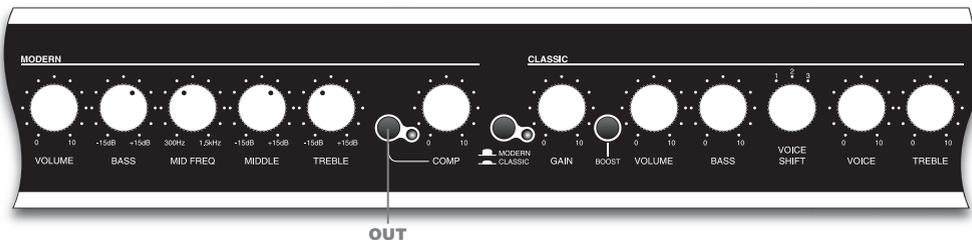
(panel shown is MB450H)



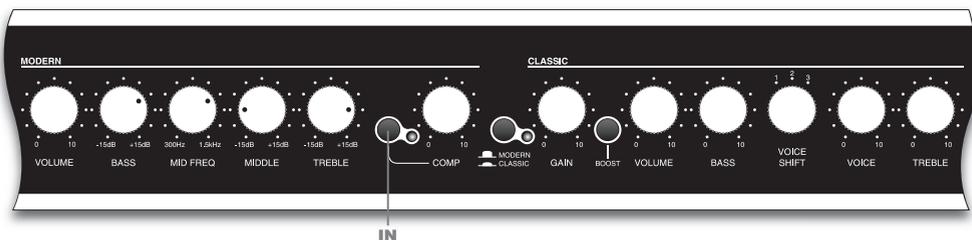
Suggested Settings

Here follows some sample settings to act as starting points from which to develop your own sounds.
N.B. Volume should be adjusted to taste.

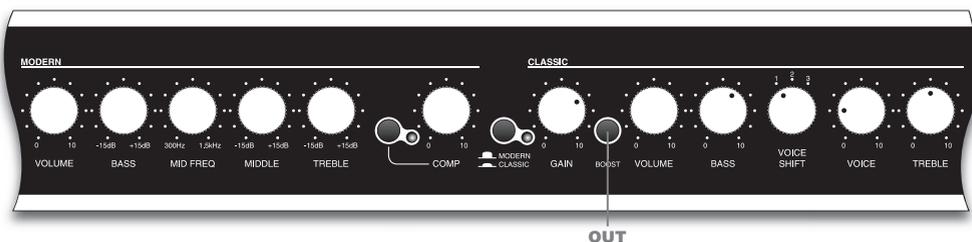
Jazz



Funk



Classic Rock



Alternative Rock

