

Marshall

DBS 7200

*7200 Head,
72115 & 72410
Combos*

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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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Handbook

WARNING!

PLEASE READ THE FOLLOWING LIST CAREFULLY.

- A. ALWAYS** Ensure that a good quality mains plug conforming to the latest BSI standards is fitted-(UK only).
- B. ALWAYS** wire the plug in accordance with the colour code attached to the mains lead (UK only).
- C. DO NOT** attempt to remove the amplifier chassis. There are no user serviceable parts inside.
- D. ALWAYS** have this equipment serviced or repaired by competent, qualified personnel.
- E. NEVER** under any circumstances, operate the amplifier without an earth.
- F. NEVER** use any amplifier in damp or wet conditions.
- G. ALWAYS** ensure that the impedance of the speaker or speakers connected does not fall below the amplifiers minimum impedance rating.
- H. NEVER** obstruct the ventilation grills.
- I. ALWAYS** use correct type of speaker leads when using extension cabinets.
- J. PLEASE READ** this instruction manual carefully before switching on.

Constant exposure to the high sound pressure levels of which this amplification system is capable could result in permanent damage to your hearing.



Although individuals will vary in their susceptibility to noise induced hearing loss, almost everyone will have their hearing impaired if exposed to intense sound levels for a sufficient length of time.

To prevent the occurrence of permanent hearing loss, it is advisable to wear ear plugs or protectors if you are going to be exposed to high noise levels for prolonged periods.

Introduction

The Marshall Dynamic Bass System was carefully designed using innovative new circuitry to provide you with a combination of superb sensitivity and excellent control plus incredible levels of dynamic power to project and respond to the full range of contemporary bass sounds.

Superb sensitivity comes from the fully blendable mixture of a valve or solid state input pre-amp. The solid-state section offers fast, percussive attack, as favoured by many modern players, whilst the single ECC83 valve provides the smooth warmth and more compressed classic tone exclusive only to valve technology.

Excellent control is derived from comprehensive EQ and compression facilities including primary EQ, where Low and Hi rotary tone controls combine with deep and bright switches to give amazing depth and clarity to your basic sound. More precise tone shaping or the ability to set up a completely contrasting sound, is available from the switchable 7 band graphic EQ, which has been tailored to cut and boost those frequencies that are fundamental to dynamic bass performance. The built in compressor provides further control and features industry standard technology for smooth operation and the highest performance quality.

Knowing how important headroom and clean power are to accurate, powerful bass reproduction led our designers to engineer a system with headroom that goes far beyond the normal limits. Whereas a conventional bass amplifier has an RMS to peak power ratio of 1:2, the Marshall Dynamic Bass System dramatically increases this ratio to 1:10, giving you five times more headroom than an ordinary bass amplifier.

The result is a no compromise bass system with an RMS rating of 200 watts capable of delivering peaks of 2000 watts. This ensures that the system has the energy to respond accurately to even the widest dynamic range.

In sound terms this extended headroom provides incredible clarity and punch to give you the most responsive, rewarding bass amplification system that you've ever played through.

Using the Dynamic Bass System.

Make all the external connections such as Speaker Outputs (18), the Send (20) and Return (21) to and from your effects processor, the output to your guitar tuner and connection to the footswitch for the Graphic EQ (23) if required.

Select the correct input to match your bass.

Generally speaking the Low-Sensitivity input (2) suits bass guitars of high output levels e.g. active basses and the High Sensitivity input (1) suits lower output instruments (passive basses). As there are so many different output levels from the many types of instrument available to you, you should try both before making the decision.

Set the Primary EQ to flat and make sure that the Deep (5), Bright (7), Compression (13) and Graphic EQ switches (10) and the Master Volume control (14) are all off.

By turning the Gain control (3) until the peak LED lights occasionally you will be setting the optimum level of input gain. Too little means that the amp is working inefficiently, too much can cause unwanted distortion.

The Gain control (3) may need to be backed off accordingly if you boost the EQ, especially in the lower frequencies.

Note: (Even with the gain control off you will still get a sound through the speakers on turning up the Master Volume).

Turn up the Master Volume to the desired level and set-up your basic sound using the Primary EQ controls (6&8) combined with the Deep and Bright switches (5 & 7). The character of the sound can be changed using the pre-amp Blend control (4) from the brighter more percussive solid state tone to the warmer more compressed vintage valve tone.

When using the built in Compressor the compression threshold is set using the Gain control (3) and the amount of compression by the Depth control (11).

The clean power of the D.B.S is so dynamic that you may not need any further EQ although any amount of fine tuning of tone can take place using the 7 band Graphic Equaliser. Alternatively you can set-up an entirely different sound on the graphic then use the footswitch to switch between the two. This incredible clarity also means that you won't have to compromise your EQ settings as the volume increases, as is often the case with normal bass amplification.

Models 7200, 72115 & 72410 Front Panel Functions.

1. Hi-sensitivity Input

Input for the connection of bass guitars with lower output levels.

2. Lo-sensitivity Input

Input for the connection of bass guitars with higher output levels.

3. Gain Control with Peak LED

Controls the level of input gain.

For optimum signal level the peak LED should light occasionally.

4. Pre-Amp Blend Control

This control fully anti-clockwise routes the signal through purely solid state input pre-amp circuitry. Turned fully clockwise the signal is routed through an ECC83 pre-amp valve circuit. The various positions in between offer numerous combinations of the brighter more percussive solid-state tone with that of warmer more compressed valve tone.

5. Deep Switch

Push switch to add extra bottom to the low end of the primary EQ.

6. Low Primary EQ Control

Rotary control that gives + or - 15dB cut and boost of the lower end of the primary EQ.

7. Bright Switch

Push switch to add brightness and attack to the top end of the primary EQ.

8. High Primary EQ Control

Rotary control that gives + or - 15dB cut or boost of the primary EQ upper frequencies.

9. Graphic Equaliser

7 Band graphic equaliser offering + or - 15dB cut or boost (centre flat) of the frequencies that proved to be the most effective for bass reproduction in our exhaustive listening tests.

10. Graphic On/Off Switch and Indicator

Push switch to access or by-pass the graphic with LED indicating on/off status. (The graphic is also footswitchable by any standard on/off footswitch).

For the footswitch to function the front panel switch must be in the 'Off' position.

11. Compression Depth Control

Rotary control for selecting the depth of compression. *Note:* This control works in conjunction with input Gain control (3).

The input Gain control should be used to set the threshold level and the Depth control to select the amount of compression.

12. Compression Threshold Indicator

LED which indicates when the compression threshold is reached.

13. Compression On/Off Push Switch

Push switch which activates the compression circuit.

14. Volume Control

Rotary control to set the overall output level of the amplifier.

15. D.I. Pre or Post EQ Selection Switch

Selection switch to offer a studio or PA engineer with the choice of direct signal either before or after EQ and compression has been added.

16. Power Switch

On\ Off mains power switch with LED indicator and featuring soft start circuitry to minimise switch on and switch off noise.

Models 7200, 72115 & 72410

Rear Panel Functions.

17. Mains Input Connector

For connection to mains power supply.

18. Twin Speaker Outputs

For connection to loudspeakers. The minimum total load is 4 Ohms.

-72115

As the impedance of the internal 15" speaker is 8 Ohms, the connection of an extension cabinet (8 Ohms only) is possible.

-72410

As the impedance of the internal speakers is 4 Ohms, it is NOT possible to connect an extension speaker.

The Cabinet Range

Using the design skills and production techniques developed at Marshall Amplification over thirty two years, we have produced two cabinets which are perfectly suited to the new 7200 Dynamic Bass amplifier which can be used singly or together.

Both cabinets use the highest grade birch ply and are ported and braced to exactly complement the specially designed, heavy duty loudspeaker units.

Model 7041 4x10 with horn (400 watts RMS -8 Ohms).

The 4x10 with horn can handle a massive 400w RMS for compatibility with the 7200 or any other bass amplifier with standard quarter inch jack speaker connections

For added versatility and to allow you to tune the 7041 to suit your style and sound, we have included an infinitely variable horn to boost high end frequencies.

This cabinet delivers excellent full range response if used by itself or can form part of a stack system if used in conjunction with another 7041 or the perfectly matched 7015.

Dimensions: Width 606mm x Height 606mm x Depth 370mm.

Model 7015 1x15 (200 watts RMS -8 Ohms).

The compact 7015 gives an impressively full tonal response across the whole bass frequency range -making it the ideal portable partner for the 7200 or as part of a Marshall bass stack in conjunction with the 7041. This cabinet is rated at 200 watts and features a specially selected heavy duty 15" speaker.

Dimensions: Width 606mm x Height 606mm x Depth 370mm.

19. Tuner Output Jack

Instrument level buffered output for direct connection to an electronic tuner.

20. Effects Send Jack

Jack socket to connect to the input of an external effects processor.

21. Effects Return Jack

Jack socket to accept the output from an external effects processor. Note: (The output level of the effects loop is nominally centred around + 4 dB which makes it compatible with most rack effects processors).

22. Line Output Jack

Jack socket ideal for connection to home recording equipment.

23. Graphic Footswitch Jack

Jack socket for the connection of a single On/Off footswitch for the Graphic EQ.

24. Balanced D.I. Output

For direct connection to recording or PA mixing desks and switchable pre or post EQ (15).

25. D.I. Level Selection Switch

Selects 0dB or -20dB D.I. output levels for maximum interfacing flexibility.

26. Earth Lift Switch.

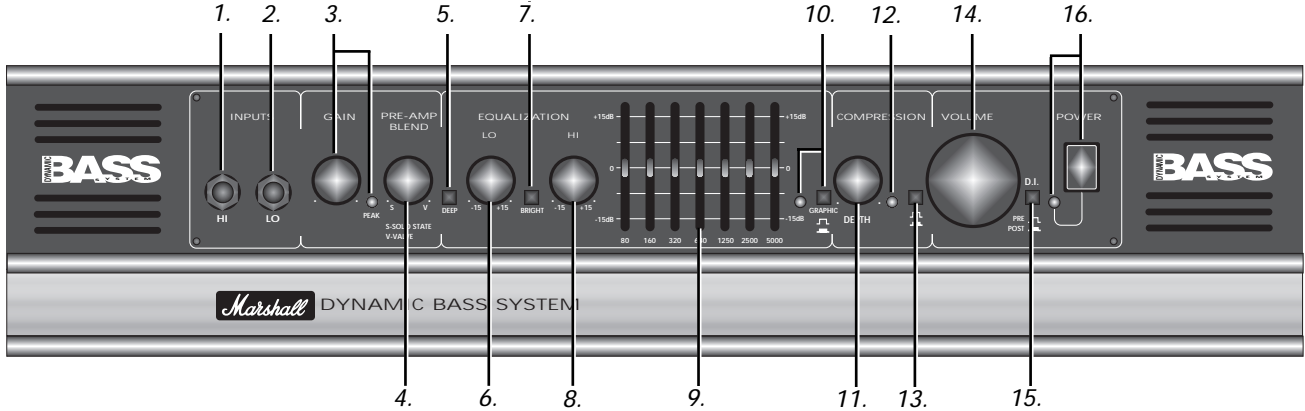
For the elimination of earth loops when connecting to other earthed equipment.

Please Note:

Models 72115, 72410 are fitted with castor cups, castors can be ordered directly from Marshall Amplification plc.

Please use stock code: 'CSN' when placing your order.

Front Panel.



Rear Panel.

