Marshall
AMPLIFICATION

DSL
15H
15 Watt Head

DSL
15C
15 Watt Combo

Dual Super Lead, All-Valve Amps with Reverb

Owner's Manual

From Jim Marshall
I would like to personally thank and congratulate you for selecting one of our Dual Super Lead, all-valve DSL15H head or DSL15C combos.

Since I started Marshall Amplification in 1962 I have witnessed some incredible breakthroughs and advances in amplifier design technology. These include, switchable channels, Master Volume, Reverb, MIDI technology, speaker emulation and digital effects processing, to name just a few. These may seem like every day features nowadays but this certainly wasn't always the case. However, the same values that were present in the first Marshalls are still here today. That is, solid workmanship, reliability, iconic looks and above all great Marshall tone.

As you may know, when the JCM2000 Dual Super Lead series of amps was first introduced in 1997, we were delighted to see them get a fantastic reaction from guitar players and also the press. In fact one of the biggest American guitar magazines described the DSL100 as *"The best Marshall ever? It combines the best tonal qualities and features of both modern and vintage Marshall amps in one package."* Better still, when the world renowned magazine, Guitar Player, reviewed the DSL100 it printed *"The Ultimate Marshall?"* as a subheading on their June 1997 cover.

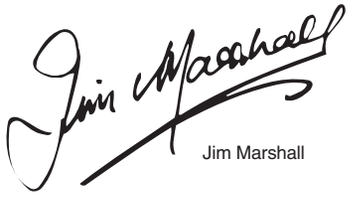
After a very successful life, the JCM2000 series was replaced by the JVM series in 2007, which has also gone onto great success and critical acclaim. That said, there is still a great deal of respect and demand for the DSL's with one of the UK's most popular guitar magazines recently referring to the DSL100 as "the go-to rock amp."

As a result of public demand for the DSL's tonal palate, I have decided to introduce two affordable 15-Watt options based on the popular DSL100 head, two of which are covered in this manual: the DSL15H head and the DSL15C combo.

I would like to wish you every success with all of your musical endeavours and also your DSL amp, which I know will provide you with great tones and playing pleasure for many years to come.

Welcome to the Marshall family!

Yours Sincerely,



Jim Marshall

Overview

The mindset behind both the DSL15H 15-Watt head and DSL15C 15-Watt combo is a simple one – take that world renowned DSL100H tone and make it available in two compact, low wattage, all-valve units containing 4 x ECC83 valves in the preamp and 2 x 6V6s in the power-stage.

Both amps feature two footswitchable channels (footswitch supplied) – Classic Gain and Ultra Gain. As their names imply, each channel has a very different character. Classic Gain takes you from a shimmering, harmonic-enhanced clean to a 1959 style crunch when the Gain control is cranked. Ultra Gain, on the other hand, takes you into the world of modern, high-gain and then some.

Both channels share a passive three-band EQ with controls for Bass, Middle and Treble. The Equalisation section also features a Tone Shift button which, when activated (pushed in), shifts out the mid frequencies making the amp ideal for brutal, modern metal tones, especially when combined with the high gain settings of the Ultra Gain channel. The Equalisation section also features a control for Presence and a Deep switch.

Both of these equalisation enhancers are functions of the power-amp. Presence adds a variable high end "bite" to your tone while the Deep switch adds a fixed, resonant bass boost to your sound – adding girth without muddying it up.

The only difference, features and control-wise, between this pair of mighty 15-Watt minis is that the DSL15C combo also features built-in, footswitchable (footswitch supplied), studio-quality digital spring reverb with a level control.

The ability to select either the full 15-Watts of output power or half-power (7.5-Watts) via the Pentode/Triode switch on the rear panel, adds further to your new DSL's already impressive feature set. The all-round tonal and gain versatility makes both the DSL15H & DSL15C superb and flexible performance tools for today's most demanding playing situations. You can rest assured both are packed full of our famed Marshall tone.

Enjoy your DSL amp and please read this handbook carefully before plugging in.

ENGLISH

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.

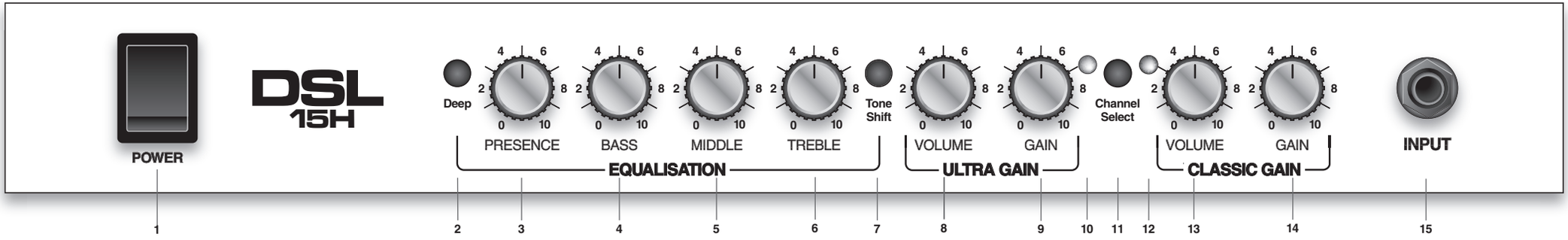
Important set up information:
1. Make sure that the cabinet(s)/speakers, where appropriate, are connected to the correct impedance LOUDSPEAKER jack(s) on the rear panel of the amplifier. See the Speaker Output guides in this handbook, if applicable, for specific information regarding impedance matching. 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. 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 point 6.
6. Turn the volumes up to your preferred level and your amp is ready to play.

EUROPE ONLY – Note: CE 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 DSL15C and the DSL15H is 19A.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna
• Increase the separation between the equipment and receiver
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
• Consult the dealer or an experienced radio/TV technician for help

DSL15H Front Panel Controls & Switches (from Left to Right)



POWER SECTION

1. POWER SWITCH
On/Off switch for mains power to the amplifier.

EQUALISATION SECTION

2. DEEP BUTTON
When pressed in, this button adds a resonant bass boost to your sound, increasing bottom end thud whilst making your tone fatter around that all-important low end. This is a function of the power-stage.

3. PRESENCE CONTROL
Turning this control clockwise adds higher frequencies to your guitar tone, creating crispness and bite and making the sound more cutting and "in your face." This is also a function of the powerstage.

4. BASS CONTROL
Controls the amount of bottom end (low frequencies) in your tone.

5. MIDDLE CONTROL
This dictates the middle register of your guitar's sound. Turning this up will make your guitar sound fatter, while turning it down will result in a sharper, "scooped" tone – especially when used in conjunction with the Tone Shift button.

6. TREBLE CONTROL
Controls the high frequencies of the guitar tone, making your guitar sound brighter when it is turned clockwise.

7. TONE SHIFT BUTTON
The Tone Shift reconfigures the tone network to give a new dimension to passive tone shaping. When the button is pushed in, and the Middle control **(5)** is turned down, the result is an aggressive, scooped-mid sound, ideal for many modern metal styles.

ULTRA GAIN CHANNEL

TONAL NOTE: *This channel is based on the "Lead 2" mode of the DSL100H's Ultra Gain channel – producing a high-gain, mid-boosted tone based on a hot-rodded JCM800 2203.*

8. ULTRA GAIN CHANNEL VOLUME CONTROL
Controls the volume level of the Ultra Gain channel.

9. ULTRA GAIN CHANNEL GAIN CONTROL
Controls the Gain level for the Ultra Gain channel. As the amount of gain increases, so will the distortion level in your sound.

10. ULTRA GAIN CHANNEL LED
This LED lights-up red to indicate that the Ultra Gain channel has been selected.

11. CHANNEL SELECTION BUTTON
Selects Ultra Gain channel when pushed in, and the Classic Gain channel when out.

CLASSIC GAIN CHANNEL

TONAL NOTE: *This channel is based on the "Clean" mode of the DSL100H's Classic Gain channel – producing a tone reminiscent of an early 1959 Plexi Super Lead head.*

12. CLASSIC GAIN CHANNEL LED
This LED lights-up green to indicate that the Classic Gain channel has been selected.

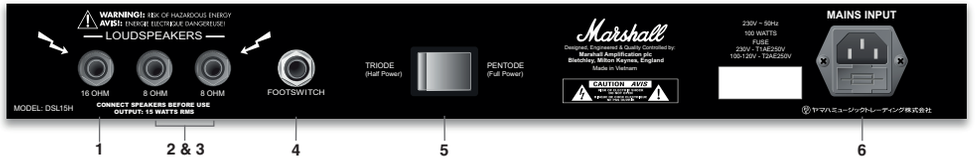
13. CLASSIC GAIN CHANNEL VOLUME CONTROL
Controls the volume level for the Classic Gain channel.

14. CLASSIC GAIN CHANNEL GAIN CONTROL
Controls the gain level for the Classic Gain channel. As the amount of gain increases, so will the distortion level in your sound.

15. INPUT
Input jack socket for guitar cable.

DSL15H Technical Specification			
Power (RMS)	15W	Size (mm)	
Channels	2	W	500
Weight (kg)	10.2	H	240
Valves	4 x ECC83 + 2 x 6V6	D	235

DSL15H Rear Panel Features (from Left to Right)



LOUDSPEAKER OUTPUTS

IMPORTANT OPERATIONAL NOTE: *With all-valve amplifiers it is imperative that the amp is connected to a load whilst in operation and that the impedance output on the amp matches the total impedance of the speaker cabinet being used. Failure to comply with these points will result in damage to the amplifier.*

The DSL15H features three outputs, a dedicated 16Ω output and two 8Ω outputs.
The DSL15H must not be run into an impedance of less than 8Ω.

1. 16Ω SPEAKER OUTPUT
For the connection of a 16Ω speaker cabinet. It should be noted that when this Speaker Output is in use the remaining Speaker Outputs **(2 & 3)**, are not operational.

2. & 3. 8Ω SPEAKER OUTPUTS
For use when the total impedance of the speaker cabinet(s) being used is 8Ω. That is, when using either a single 8Ω cab or two 16Ω cabs.

FOOTSWITCH

4. FOOTSWITCH JACK
For the connection of the supplied footswitch. This allows you to switch between the Classic Gain and Ultra Gain channels.

NOTE: *The footswitch overrides the front panel Channel switch.*

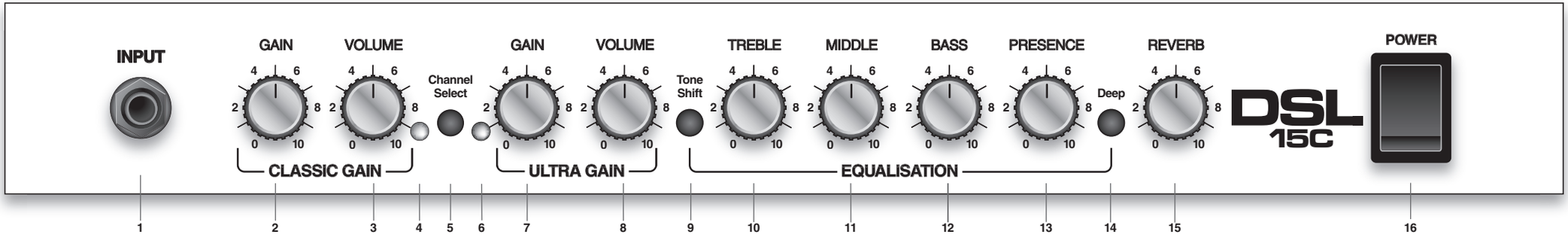
OUTPUT POWER SELECTION

5. PENTODE/TRIODE SWITCH
When Pentode (full power) is selected the amp's output capability is the full 15-Watts. When Triode mode (half power) is selected, the amp's output is halved to 7.5 -Watts. Triode mode also produces a smoother, less aggressive sound.

IMPORTANT OPERATIONAL NOTE: *The amp should always be off before switching between Triode and Pentode.*

6. MAINS INPUT SOCKET WITH 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 manufactured 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 seek advice from a qualified technician. Your Marshall dealer will help you in this respect.

DSL15C Front Panel Controls & Switches (from Left to Right)



1. INPUT
Input jack socket for guitar cable.

CLASSIC GAIN CHANNEL

TONAL NOTE: *This channel is based on the "Clean" mode of the DSL100H's Classic Gain channel – producing a tone reminiscent of an early 1959 Plexi Super Lead head.*

2. CLASSIC GAIN CHANNEL GAIN CONTROL
Controls the Gain level for the Classic Gain channel. As the amount of gain increases, so will the distortion level in your sound.

3. CLASSIC GAIN CHANNEL VOLUME CONTROL
Controls the volume level for the Classic Gain channel.

4. CLASSIC GAIN CHANNEL LED
This LED lights-up green to indicate that the Classic Gain channel has been selected.

5. CHANNEL SELECTION BUTTON
Selects Ultra Gain channel when pushed in, and the Classic Gain channel when out.

ULTRA GAIN CHANNEL

TONAL NOTE: *This channel is based on the "Lead 2" mode of the DSL100H's Ultra Gain channel – producing a high-gain, mid-boosted tone based on a hot-rodded JCM800 2203.*

6. ULTRA GAIN CHANNEL LED
This LED lights-up red to indicate that the Ultra Gain channel has been selected.

7. ULTRA GAIN CHANNEL GAIN CONTROL
Controls the Gain level for the Ultra Gain channel. As the amount of gain increases, so will the distortion level in your sound.

8. ULTRA GAIN CHANNEL VOLUME CONTROL
Controls the volume level for the Ultra Gain channel.

EQUALISATION SECTION

9. TONE SHIFT BUTTON
The Tone Shift reconfigures the tone network to give a new dimension to passive tone shaping. When the button is pushed in, and the Middle control **(11)** is turned down, the result is an aggressive, scooped-mid sound, ideal for many modern metal styles.

10. TREBLE CONTROL
Controls the high frequencies of the guitar tone, making your guitar sound brighter when it is turned clockwise.

11. MIDDLE CONTROL
This dictates the middle register of your guitar's sound. Turning this up will make your guitar sound fatter, while turning it down will result in a sharper, "scooped" tone – especially when used in conjunction with the Tone Shift button.

12. BASS CONTROL
Controls the amount of bottom end (low frequencies) in your tone.

13. PRESENCE CONTROL
Turning this control clockwise adds higher frequencies to your guitar tone, creating crispness and bite and making the sound more cutting and "in your face." This is a function of the powerstage.

14. DEEP BUTTON
When pressed in, this switch adds a resonant bass boost to your sound, increasing bottom end thud while making your tone fatter around that all-important low end. This is a function of the power-stage.

REVERB SECTION

15. REVERB CONTROL
Controls the level of the studio-quality, digital spring Reverb for both channels.

POWER SECTION

16. POWER SWITCH
On/Off switch for mains power to the amplifier.

DSL15C Technical Specification			
Power (RMS)	15W	Size (mm)	
Channels	2	W	505
Speaker	1x12"	H	475
Weight (kg)	16.8	D	255
Valves	4 x ECC83 + 2 x 6V6		

DSL15C Rear Panel Features (from Left to Right)

1. MAINS INPUT SOCKET WITH 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 manufactured 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 seek advice from a qualified technician. Your Marshall dealer will help you in this respect.

OUTPUT POWER SELECTION

2. PENTODE/TRIODE SWITCH
When Pentode (full power) is selected the amp's output capability is the full 15-Watts. When Triode mode (half power) is selected, the amp's output is halved to 7.5 -Watts. Triode mode also produces a smoother, less aggressive sound.

IMPORTANT OPERATIONAL NOTE: *The amp must always be off before switching between Triode and Pentode.*

FOOTSWITCH

3. FOOTSWITCH JACK
For the connection of the supplied footswitch. This allows you to switch between the Classic Gain and Ultra Gain channels.

NOTE: *The footswitch overrides the front panel Channel switch.*

LOUDSPEAKER OUTPUTS

IMPORTANT OPERATIONAL NOTE: *With all-valve amplifiers it is imperative that the amp is connected to a load whilst in operation and that the impedance output(s) on the amp matches the total impedance of the speaker cabinet(s) being used. Failure to comply with these points will result in damage to the amplifier.*

The DSL15C features three outputs, a dedicated 16Ω output and two 8Ω outputs.
The DSL15C must not be run into an impedance less than 8Ω.

IMPORTANT OPERATIONAL NOTE: *The internal speaker is 16Ω.*

4. & 5. 8Ω SPEAKER OUTPUTS
For use when the total impedance of the speaker cabinet(s) being used is 8Ω. That is, when using either a single 8Ω cab or two 16Ω cabs.

6. 16Ω SPEAKER OUTPUT
For the connection of a 16Ω speaker cabinet. It should be noted that when this Speaker Output is in use the remaining Speaker Outputs **(4 & 5)** are not operational.

Notes


EST. 1962 LONDON - ENGLAND
Marshall
50
YEARS OF LOUD

Notes


EST. 1962 LONDON - ENGLAND
Marshall
50
YEARS OF LOUD

Marshall
AMPLIFICATION

Denbigh Road, Bletchley, Milton Keynes MK1 1DQ England.
Tel : +44 (0)1908 375411 Fax : +44 (0)1908 376118
www.marshallamps.com

BOOK-91008 / 10 / 11