

George Dennis The Blue™  
( 60 and 100 Combo, 60 and 100 Head )

## Reference and Owner's Manual

Congratulations on your purchase of a George Dennis guitar amplifier line „The Blue“. You may have been, up to now, aware of our company's reputation as a maker of effect pedals. Our business has been and will always remain top quality sound. That is why introducing a line of all tube amps is only fitting, if not at all an easy task. Our engineering and development department has been since 1996 employing the know-how of not only the fine electronics experts but also a number of guitarists with electronics background to develop an amplifier which will most likely satisfy even the most discriminating and fickle demands of guitar players of all styles. To meet strict industry regulations the design has been subjected to the most comprehensive series of safety and compliance testing. Our amplifier have passed in all areas and, fully comply with both the European and American Safety, Emission and Immunity regulations. **Feel encouraged ? Good !**

The Blue is very easy to operate. There are 4 channels to your disposal, of which 2 have independent tonal controls (Clean and Crunch), whereas the other 2 have common tone settings (Lead 1 and Lead 2). The flow of signal to each of the 4 channels is routed by different means.

Your new amplifier contains components of the best quality available today. These have been tested for a period of 1 year to assure durability and high temperature resistance. All amplifiers are hand crafted, hand assembled and tested twice prior to shipment. The cabinets are built from the best quality 11-layer plywood ensuring sturdiness and excellent tonal properties. The cabinets are finished with a tough vinyl coating, chosen to withstand rough road conditions.

### Notes regarding BIAS.

Your new George Dennis "The Blue" has an Internally mounted and marked variable BIAS control. The tubes used are the E 34 L (EL 34 also acceptable ) and these are configured as a DUET ( 60 W ) or an OCTED ( 100 W ). Each pair or a quartet of tubes selected from various manufacturers and brands has a different BIAS requirement, therefore a minute alteration of overall sound may occur as the tubes age, and the amplifiers bias can drift over time periods. In order to obtain the ultimate sound from your amplifier, the bias adjustment should be checked periodically, in the same way as the idle of a car, for instance. BIAS adjustment should be carried out by qualified personnel only. To ensure tone and safety we recommend original George Dennis tubes, available through your local George Dennis dealer.

**WARNING:** Never remove the rear cover of an amplifier while it is connected to a power socket !! The voltages inside a valve amplifier represent a **VERY SIGNIFICANT SHOCK HAZARD**.

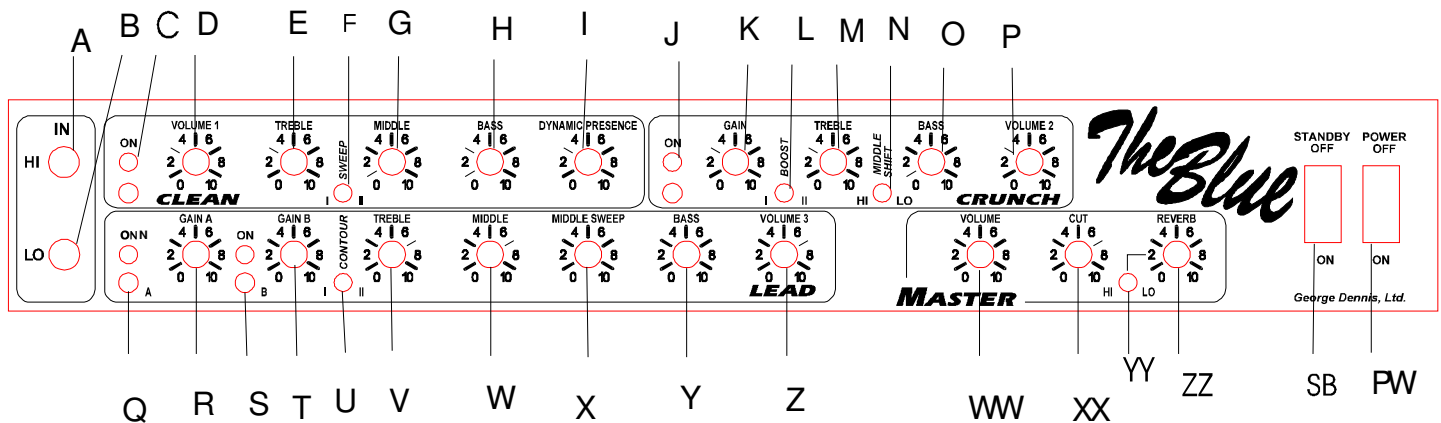
The preamplifier tubes are five pieces of 12AX7 ( ECC 83 or 7025 ). When necessary, you can change these yourself without worrying about BIAS.

### INSTRUCTIONS FOR USE.

1. Before switching on your amplifier ENSURE you check the voltage selector on the back panel. It must be set according to your country's voltage standard ( USA, Canada 115 V, Europe 230 V ). The correct fuse rating for the voltage is located on the back panel. Set the master volume knob to position 0. Plug the power cord into a suitable power socket, then press the POWER switch on the front panel to position ON. Wait approximately 2 minutes, then press the STANDBY switch to the ON position. Your amplifier is now ready to use.

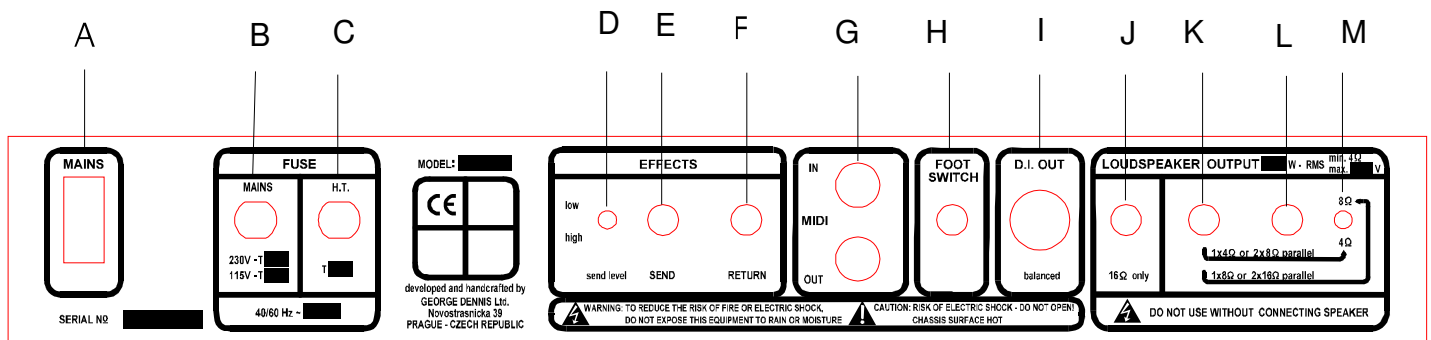
2. Switching channels can be done either by using the foot switch or manually by pressing marked buttons on the front panel. The LED lights on both the foot switch and the front panel will illuminate to show which channel has been selected by the foot switch. Note, if the foot switch is connected to the amplifier and you use the front panel controls to change channels, the previous selection will remain illuminated on the foot switch. This was purposely designed to do this, since on most other amplifiers, connection of the foot switch cancels manual switching.

3 You are now ready to play. We recommend that you set all the knobs on the front panel to the position 5 and all the left-right switches to the position left, and start to experiment with the tonal capabilities of "The Blue" from there. Do not be afraid to set the controls to their extreme positions, let your ears be the judge, you are in charge, not the amplifier.



### The Blue 60/100 front panel functions

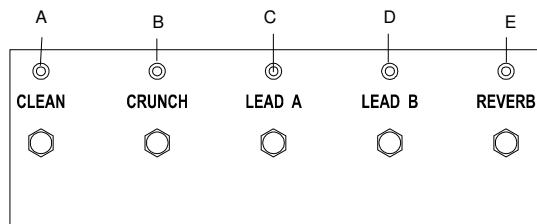
- A) Input HI, suitable for instruments with passive (standard) circuitry.
- B) Input LO, low impedance Input suitable for guitar equipped with active circuitry. If you plug a passive circuitry into this input you will obtain a darker sound.
- C) Switch and LED for clean channel - press to activate clean channel.
- D) Volume control for the clean channel.
- E) Treble tone control, adjusts the amount of high frequencies.
- F) Boost switch, boosts the mid - frequencies.
- G) Mid tone control, adjusts the amount of mid - frequencies.
- H) Bass tone control, adjusts the amount of low frequencies.
- I) Dynamic Presence. This emphasizes the very high frequencies.
- J) Selector switch and LED for Crunch channel. Depress to activate Crunch channel.
- K) Gain control. This adjusts the input sensitivity of the Crunch channel pre - amplifier. You can increase the amount of distortion by turning this control clockwise
- L) Boost switch. You obtain even more distortion and saturation in the low frequency range by Depressing this switch.
- M) Treble control. This control adjusts the amount of high frequencies of Crunch channel.
- N) Mid - frequency shift switch.
- O) Bass tone control. This control adjusts the amount of low frequencies of the Crunch channel.
- P) Volume. This control adjusts the volume of the Crunch channel.
- Q) Switch and LED for the Lead A channel. Depress to activate Lead A channel.
- R) Lead channel A gain. This control adjusts the input sensitivity of the Lead A channel preamplifier. You can increase distortion by turning the control clockwise. This preamplifier has been tuned for bluesy warmth.
- S) Switch and LED for Lead B channel. Depress this to activate Lead B channel.
- T) Lead channel B gain. This control adjusts the input sensitivity of the Lead B channel preamplifier. You can increase distortion by turning the control clockwise. This preamplifier has been tuned for a rock sound.
- U) Contour. Depress this switch to increase presence of channel Lead B.
- V) Treble control. This control adjusts the amount of high frequencies of channels Lead A and B.
- W) Middle control. This control adjusts the amount of mid - frequencies of channel Lead A and B.
- X) Middle sweep. This control adjusts the amount of upper mid - frequencies of channel Lead A and B.
- Y) Bass tone control. This control adjusts the amount of low frequencies of channel Lead A and B.
- Z) Lead volume. This control adjusts the volume of channels Lead A and B.
- WW) Master volume. This control adjusts the overall output volume of "The Blue".
- XX) Cut. This knob adjusts the overall frequencies of all channels ( fine tuning ). In terms of a guitar sound opinions of players vary enormously. The CUT knob enables you to tailor the final sound to your personal taste.
- YY) Reverb HI-LO. When set to the LO position, the reverb sound darker and is less prominent, while in the HI position the function is brighter.
- ZZ) Reverb. This control adjusts the reverberation effect for all channels.
- SB) Standby switch. Allow the amplifier to warm up for 2 minutes before depressing this switch.
- PW) Power switch. This control applies power to the amplifier ( remember to check the mains voltage )



### The Blue 60/100 rear panel functions.

- Power voltage switch 115/230 V - before switching power On always check to make sure you have chosen the correct voltage !!
- Mains (power) fuse. Always use the fuse with a correct current rating. George Dennis will install fuses with a correct rating corresponding to the voltage of the country to which a unit is being shipped.
- H.T. fuse. Current rating remains the same for all countries. Use only correct fuse type and rating.
- Switch to LO and HI in the effect loop. When loop not engaged, switching to LO offers yet another tone option. Please note the volume drop.
- Effect loop SEND - connection to the output of the effect pedal.
- Effect loop RETURN - connection to the Input of the effect pedal.
- George Dennis can supply module as an option.
- Foot switch plug
- Balanced output enables a connection to a mixing console.
- Speaker output 16 Ohm.
- Speaker outputs 1x4 Ohm, 2x8 Ohm, 1x8 Ohm and 2x16 Ohm.
- Resistance switch .

### FOOT SWITCH – PROCESSOR SWITCHING SYSTEM.



A-D) channels switch and LED

E) reverb ON/OFF switch and LED

The foot pedal is connected to the amplifier via a stereo shielded cable. The connectors are your standard 1/4" guitar jacks. This cable also provides necessary voltage for an inbuilt processor. This voltage does not exceed 9 V DC. In case of a cable damage or foot switch malfunction you can fashion a new cable by observing the proper solder points on the damaged original.

### TROUBLESHOOTER'S CHECKLIST

If the amp is set up but does not function, check the following items:

- The POWER switch does not light - up after having been switched ON.
  - power cord is not plugged into an electrical outlet.
  - no power in the wall socket
  - the mains fuse is blown.
- The POWER switch does light - up but there is no sound.
  - Check if the speaker is connected to the amplifier.
  - turn the master volume knob past three.
  - turn the volume and gain controls of all channels past three.
  - turn all tone controls past three.
- There is no sound, just noise.
  - check if your instrument is plugged into the amplifier.
  - disconnect all previously connected effect pedals.
  - check your guitar cord. Try another one.

**If your amp is still not performing correctly, consult your authorized George Dennis dealer.**

## ELECTRICAL CONNECTIONS AND SUPPLY

**WARNING:** This appliance must be earthed. Please check that the supply voltage details given on the rating label ( located on the rear panel ) are in accordance with your electricity supply.

**FITTED PLUG:** This appliance is supplied with a fitted plug. If the socket outlets in the home are not suitable for the plug supplied with this appliance ( or the plug becomes damaged and requires replacement ), it should be cut off and an appropriate three-pin plug fitted as detailed later in this section.

**IMPORTANT:** A moulded plug severed from the mains lead must be destroyed immediately. Such a plug with a bared flexible cord is hazardous if a live socket outlet.

**FUSE:** If the fuse of the moulded on plug is to be replaced, remove the coloured fuse cover on the underside of the plug, and use a suitably certified 5A fuse approved by ASTA to BS1362, i.e.-, the fuse carries the ASTA mark. The fuse cover must always be replaced. Never use the plug cover omitted. Replacement fuse covers are available from your local authorised service agent.

**FITTING A PLUG:** As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter ,E, or by the earth symbol or coloured green and yellow.

The wire which is coloured blue must be connected to the terminal in the plug which is marked with the letter ,N, or is coloured black.

The wire which is coloured brown must be connected to the terminal in the plug which is marked with the letter ,L, or coloured red.

Note that when fitting a plug, if the wires are tinned, the tinning must be removed and the connections made to clean copper wire.

If a 13A (BS1363) plug is used, a 3A fuse must be fitted. If any other type of plug is used, a 3A fuse must be fitted.

**WARNING:** If, after you have followed the instruction outlined above, your amplifier fails to function, please contact your local distributor. Under no circumstances remove the rear panel of the amplifier while it is connected to the power supply.

Electrical appliances must never be used where there is a danger of water splashing or dripping onto the unit. Your attention is drawn to the instructions printed on the notice attached to the back of the amplifier.

A exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably to noise induced hearing loss but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time.

**WARNING:**        **TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.  
NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED PERSONNEL ONLY.  
THE UNIT MUST BE EARTH GROUNDED !!**

**CE**                **THIS EQUIPMENT HAS BEEN TESTED AND IS CERTIFIED WITH THE FOLLOWING:**

**72/23/EEC (LVD), 89/336/EEC for emissions and immunity.**

## **GEORGE DENNIS THE BLUE SPECIFICATIONS**

	The Blue 60 Head	The Blue 60 Combo	The Blue 100 Head
Type:	GD-VA60-H	GD-VA60-C	GD-VA100-H
Power Output RMS:	60W into 2, 4, 8 Ohm	60W into 2, 4, 8 Ohm	100W into 4, 8, 16 Ohm
Power Requirements:	115/230V AC, 50/60Hz 200W	115/230V AC, 50/60Hz 200W	115/230V AC, 50/60Hz 380W
Effects Send/Return Impedance:	Level 100 mV for full output – for all units .		
D.I. OUT:	Max. 1,2 V RMS, 1kHz, 600 Ohm – for all units.		
Tubes:	Five ECC83 (12AX7 ) Two E34L ( EL34 )	Five ECC83 (12AX7 ) Two E34L ( EL34 )	Five ECC83 (12AX7 ) Four E34L (EL34 )
Fuse Mains:	T3,15A 250V for 100-120V version, T2,5A 250V for 230-240V version.	T3,15A 250V for 100-120V version, T2,5A 250V for 230-240V version.	T4A 250V for 100-120V version, T3A 250V for 230-240V version.
Fuse H.T.:	T500mA	T500mA	T1A
Speaker:	you can use any Cabinets, minimum 80 W, 2Ohm.	1x Celestion G12H-100PE	you can use any Cabinets, minimum 120W, 4 ohm.
Foot switch:	5 Button Foot switch Controls – 4 Channel Select and Reverb on.	5 Button Foot switch Controls – 4 Channel Select and Reverb on.	5 Button Foot switch Controls – 4 Channel Select and Reverb on.
Dimensions:	Height: 270 mm Width: 560 mm Depth: 275 mm	480 mm 560 mm 275 mm	270 mm 560 mm 275 mm
Weight including foot pedal:	20,5 kg	29,5 kg	24,5 kg