

# OPERATING INSTRUCTIONS



## OPERATING INSTRUCTIONS

All Access G20R  
All Access G40R  
All Access G60R  
All Access G20R MiniRig

# Important Safety Instructions

## BASIC PRECAUTIONS

WARNING - When using electrical products, basic precautions should be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water – for example, near a bathtub, washbowl, kitchen sink, in a wet basement or near a swimming pool.
3. This product may cause permanent hearing loss. Do not operate for long periods of time at a high volume level or at any level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
4. Make sure nothing interferes with the ventilation of the product when in use.
5. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
6. The product should be connected to a power supply of the type described in the operating instructions or as marked on the product.
7. The power supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
8. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
9. The product should be serviced by qualified personnel when:
  - a. The power supply cord or the plug has been damaged; or
  - b. Objects have fallen, or liquid has been spilled into the product; or
  - c. The product has been exposed to rain or moisture; or
  - d. The product does not appear to operate normally or exhibits marked change in performance; or
  - e. The product has been dropped, or the enclosure damaged.

10. Do not attempt to service the product. All servicing should be referred to qualified service personnel.

11. For continued protection against the risk of fire, replace fuses only with those of the same type and rating as indicated on the back of the product.

## WARNINGS USED ON THE EQUIPMENT

**WARNING** TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

**WARNING - ATTENTION**  
THIS APPARATUS MUST BE EARTHED FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE. UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE ET CALIBRE.



The lightning flash with the arrow head symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated 'dangerous voltage' within this product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying this product.

## GROUNDING INSTRUCTIONS

This product must be grounded (earthed). If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a supply cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with the local codes and ordinances.

DANGER - Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a suitable outlet fitted.

The wires in this mains cord are coloured in accordance with the following code:

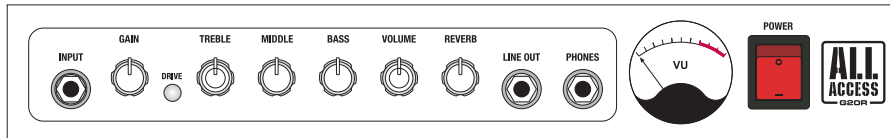
**Green & Yellow - Earth**  
**Blue - Neutral**  
**Brown - Live**

## CE MARK FOR EUROPEAN HARMONISED STANDARDS

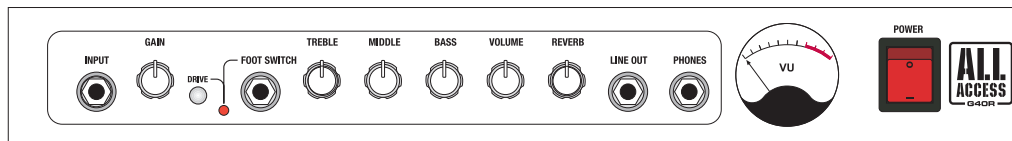
The CE mark which is attached to these products means it conforms to EMC Directive (89/69/EEC), CE mark Directive (93/68/EEC) and Low Voltage Directive (72/23/EEC).

# Front Panel Facilities

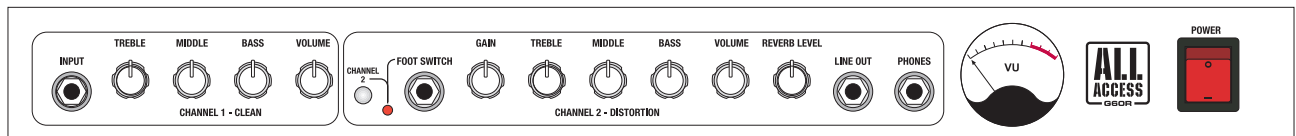
## ALL ACCESS G20R / G20R MINIRIG, G40R, G60R



**G20R / G20R MINIRIG**



**G40R**



**G60R**

# Front Panel Facilities

**INPUT** - Each amplifier has a single jack socket for Instrument Input. This is a high impedance input that is suitable for use with either Passive instruments or Active instruments. Active instruments are those that have a built in pre-amp, this usually provides a higher level of signal than that from a Passive instrument.

**GAIN CONTROL** - Guitars of different types often have very different levels of output signal. For instance those with single coil pick ups usually have a fairly low level of output while those with hum bucking pick ups have a large level of output signal. This is why guitar amplifiers need a GAIN control, to make it possible to adjust the amplifier to suit the level of output from the particular guitar. This may be used in two ways; firstly in reducing the GAIN setting for high level output guitars in order to achieve a CLEAN sound with no distortion present i.e. for Jazz or Country styles of playing. Secondly to increase the GAIN for low level output guitars in order to achieve sufficient DRIVE and saturation for the overdriven or distortion sound for Rock and Heavy Metal styles.

The GAIN control sets the input signal level through the preamp. Adjust this for the best level of sound through the amplifier that avoids distortion for the CLEAN sound and for the desired degree of DRIVE for the distortion channel.

**ALL ACCESS G20R & G40R GAIN** - The GAIN control operates for both the CLEAN and DRIVE sounds provided on these amplifiers. For the CLEAN sound it should be set to a level that gives a pleasing clean tone, set lower to be sure of no distortion and set higher for a small degree of distortion when used with high output guitars i.e. hum bucking pick ups. For the DRIVE sound set this control to provide the degree of distortion that suits your playing style. A fixed balance between CLEAN and DRIVE sound volumes has been provided that will be perfect for the majority of playing styles.

**ALL ACCESS G60R GAIN** - For the 60 Watt amplifier Channel 1 has been set to be CLEAN for all guitars. This channel therefore

does not have a GAIN control. For Channel 2, adjust the GAIN control for the degree of distortion that suits your playing style. There is a lot of GAIN available on this amplifier making it perfect for modern playing styles.

## **DRIVE SWITCH (ALL ACCESS G20R & G40R)**

- This switches between the CLEAN and DRIVE channels of the amplifier. On the 40 Watt amplifier a foot switch socket has been provided to allow remote switching between the CLEAN and DRIVE channels using an external foot switch. For the footswitch to operate the DRIVE switch must be in its OUT position. When the DRIVE channel is selected this is indicated by an LED on the front panel.

## **CHANNEL 2 SWITCH (ALL ACCESS G60R)**

- This switches between Channel 1 and Channel 2 of the amplifier, Channel 2 selection is indicated by an LED on the front panel. A foot switch socket has been provided to allow remote switching between the two channels. For the footswitch to operate the front panel Channel 2 switch must be in its OUT position.

## **TONE CONTROLS (BASS, MIDDLE &**

**TREBLE)** - All these guitar amplifiers have classic guitar passive tone controls operated with a Bass, Middle and Treble control. The 60 Watt amplifier has two sets of tone controls, one for each channel.

**OUTPUT VOLUME** - The VOLUME control sets the overall output level of the amplifier. Adjust this for your preferred stage playing volume. On the 60 Watt amplifier each channel has its own individual volume control.

**LINE OUT** - This Jack socket can be used as a Line Output to take the guitar signal to another amplifier or mixing desk. Although for guitar it is always best to use a Microphone in front of the speaker if you wish to send your guitar sound through the PA. The reason for this is that in a guitar amplifier a lot of the tone for the guitar is produced by the output stage working in conjunction with the speaker, this is very important for the sound of a guitar and if you take the signal from the Line Out socket the

sound will not be so good as using a microphone.

**PHONES** - This socket is for connection of a pair of stereo Head Phones for silent practice. When headphones are plugged into this socket the signal to the speaker is switched off.

## **EFFECTS SEND/RETURN (ALL ACCESS**

**G60R)** - A serial effects loop is provided at a level of 0dB. The Effects Send and Return sockets for this are on the rear panel of the amplifier. The EFFECTS SEND is situated after the EQ and after the internal effects section.

**REVERB** - The Reverb Level control sets the amount of spring reverb sound that is added to the guitar signal on either the Clean or Drive channels.

**FOOT SWITCH** - The 40 & 60 Watt amplifiers have a single foot switch socket that is used for channel selection. This is located on the front panel of the amplifier. For the foot switch to operate the front panel push button must be in its OUT position.

**POWER SWITCH** - The front panel Power switch is used for turning the power to the unit ON and OFF. The switch will light to indicate when the power to the unit is turned ON.

**SPEAKER SOCKETS** - 2 x speaker sockets are provided on the 60 Watt amplifier. One of these is used for the internal speaker. Never connect speakers that may cause the impedance to drop below 4 Ohms or damage to the output stage may result.

# Specifications

## ALL ACCESS G20R / G20R MINIRIG, G40R, G60R

### INPUTS

Instrument Input	Impedance 470k Ohms	Level 150mV to 10V p-p
Effects Return	Impedance 100k Ohms	Level Nominal 0dBu

### OUTPUTS

Line Output	Impedance 10k Ohms	Level Nominal 0dBu
Effects Send	Impedance 10k Ohms	Level Nominal 0dBu

### EQUALISATION

Treble, Middle, Bass	Traditional passive, interactive tone control network providing classic guitar tonal adjustment
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### OTHER

Signal to Noise	Better than 80dB (EQ flat)
Distortion	Less than 0.5% THD
Frequency Response	-3dB at 25Hz and 20kHz
Speaker Outputs	Minimum Impedance 4 Ohms

### POWER REQUIREMENT

All Access G20R = 20 Watts RMS, 40 Watts Peak into 1 x 8" Speaker  
All Access G20R MiniRig = 20 Watts RMS, 40 Watts Peak into 2 x 8" Speakers  
All Access G40R = 40 Watts RMS, 80 Watts Peak into 1 x 10" Speaker  
All Access G60R = 60 Watts RMS, 120 Watts Peak into 1 x 12" Speaker



Thank you for purchasing your Ashdown Engineering Amplifier. If you live in the UK, please register your purchase by completing this form and return it to the following address:

Ashdown Engineering, The Old Maltings, Hall Road, Heybridge, Maldon, Essex CM9 4NJ, England

(Alternatively you can register online at <http://www.ashdownmusic.com>)

If you live outside the UK, the local Ashdown distributor may have included a specific registration form for your country.

### Your Ashdown Engineering product details:

Model .....  
Colour .....  
Voltage .....  
Tested by .....  
Serial number .....  
Date .....

## 2 YEAR LIMITED LIFETIME WARRANTY

Your Ashdown Engineering amplifier has been manufactured to the highest standards, using the best-selected materials. To ensure its optimum performance, please ensure your amplifier is regularly serviced. This product carries a LIMITED LIFETIME WARRANTY, against defects in materials and workmanship, for the original purchaser. Ashdown Engineering will, at their discretion, replace or repair any product or part thereof, which is found by Ashdown Engineering to be defective. This warranty shall not apply to the damage of covering, fittings or finishes when affected by carelessness, accident or extreme climate changes. Nor does it apply to normal wear and tear of parts such as valves, fuses, light bulbs, speakers, controls etc.

Please complete the lower section of this warranty and return it within 10 days of purchase to Ashdown Engineering Ltd. at the above address. In the unlikely event of any defect, please contact an authorised Ashdown Engineering dealer. All transport charges are to be pre-paid by the Owner. Unless the registration card is returned normal country warranty laws apply.

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## IMPORTANT - REGISTRATION CARD

Please complete and return this warranty within 10 days of purchase. Include any comments if possible.

Name .....	Purchased from .....
Address .....	Date .....
.....	Model .....
.....	Serial Number .....
.....	
Email .....	
Age .....	

Comments .....  
.....  
.....  
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