



# USERS MANUAL

## DUAL PRE

PURE ~ WAVE ~ SOUND

## ***USER MANUAL PURPOSE***

*This user manual is dedicated to the use of the bass pedal preamp DUAL PRE.*

*The manual includes the following information:*

- General information (technical data and packaging);*
- Description of the amplifier's functions.*

*All the informations described on this user manual are verified. The manufacturer reserves the right to update or modify their product without any notice.*



## **PACKAGING AND STORAGE**

### **PACKAGING**

*DUAL PRE is packed in a special cardboard box. The box contains only the pedal.*

### **TRASPORT**

*Please handle the box with care. A specific position during the transport is not required.*

### **STORAGE**

*Please keep the amplifier in a dry and ventilated place. Ideal storage conditions: temperature within -20C and 40C, Humidity 20% to 80%.*

### **PRODUCT DISPOSAL**

*Please follow the disposal instruction issued by your local council. In accordance with European Directive 2002/96 / EC, all electrical and electronic products should be disposed of by specific collection facilities appointed by the government or the local authorities.*

### **DECLARATION OF CONFORMITY**

*The product complies with the following European directive:*



*2014/35 / EU - Electrical Safety*

*2014/30 / EU - Electromagnetic Compatibility*

*2011/65 / EU - Limited use of certain hazardous substances in electrical and electronic equipment*

*A full copy of the declaration of conformity is available from the manufacturer.*

*The manufacturer is not responsible for any damage due to an improper use of the product.*

## **DESCRIPTION**

The GR-DUAL PRE bass preamp pedal offers the best compromise between portability and versatility for the modern bass player.

This powerful amp holds two separate channels (each with dedicated functionality), giving the possibility to setup your rig in many different ways.

**Ch1 and Ch2:** Gain, 4 Band EQ. (with 4 frequencies selectable for mid range), Deep Boost, Bright Boost, Master Volume, Compressor Section with the possibility of adjusting ratio, threshold, release and volume.

Extra on Ch1: Pure Sound (by-pass of all EQ functionality), Send/Return and Headphones.

Extra on Ch2: Overdrive section with low cut, two distortion modes and blend function.

Extra Features: Tuner, Dedicated Volumes to the Balance D.I. outputs, Switch GND/LIFT, Dedicated Volume and EQ Section to the phone output, Trough Output (Parallel Output), Aux IN

Power Requirement:  
9V VDC (power supply not included)

Dimensions:  
11" x 5,3" x 2,6" / 28 X 13,5 X 6,5

## **WHAT CAN YOU DO?**

You can switch from one channel to another with two different instruments or with the same instrument, but also to mix the two channels in a single output to your amplifier to have an extreme saturation but which preserves all the definition and attack of the clean channel.

You can send these two signals even separately to the P.A. through two independent D.I. outputs a function that in the studio will allow you to simultaneously and separately record a clean and a distorted track (or if you want to mix them in a single D.I.).

Through the “parallel output” you can have a further output with the sound of your untreated instrument.

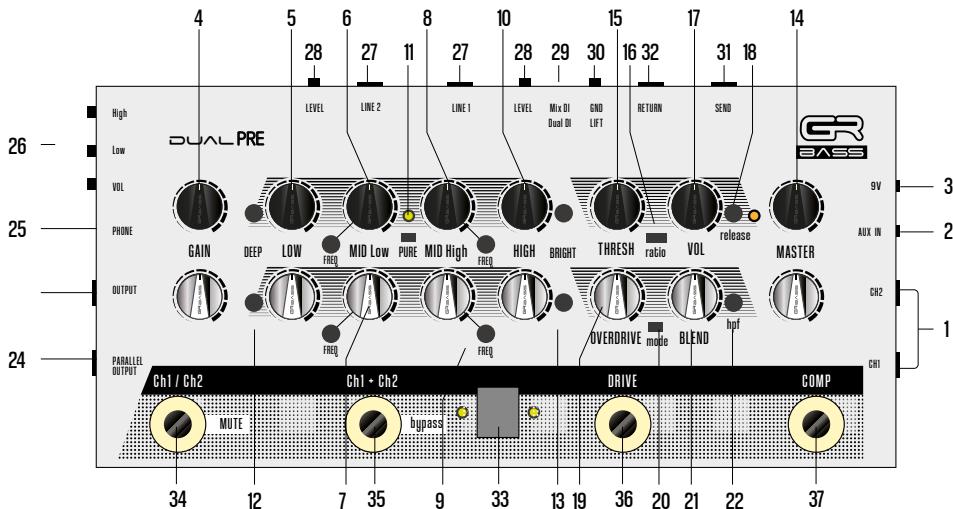
The DUAL PRE has a high quality compressor with the possibility of adjusting ratio, threshold, release and volume, not the single compressor pot that you usually find on some bass preamp.

Allows you to have a headphone output with its own separate equalization (volume, treble and bass) that you can use as a monitor if necessary or to study when you are traveling and play along thanks to the aux in that will allow you to connect a smartphone or a media player.

Allows you to take advantage of all these functions through four separate footswitches in order to avoid complicated combinations or unmanageable manual switches during a concert. And in addition, you can choose two different switching modes between the two channels (channel 1/2 and channel 1 + 2 or channel 1 and channel 2)

9) Allows you to have your Gr sound always with you even when for transport needs you use external Backlines, a real portable Gr Dual in a bass pedal.

The DUAL PRE integrates a Chromatic Tuner very fast and accurate



## CONTROLS DESCRIPTION

### 1. INPUT CH1 and CH2

Input jack for your instruments. We suggest to use a good quality cable, in order to obtain the best audio performance

### 2. AUX IN

3.5mm jack Auxiliary input to connect an external audio device

### 3. 9V VDC

Input for the 9V power supply (Power supply not included)

### 4. GAIN CONTROL KNOB CH1 and CH2

Sets the input signal amount of the pre-amp

### 5. BASS CONTROL KNOB CH1 and CH2

Increases or reduces the bass frequencies of the signal  
 $\text{low } \pm 13 \text{ dB max @ 50 Hz, } f_{3\text{dB}} = 250 \text{ Hz}$

### 6. MID Low CONTROL KNOB CH1 and CH2

Increases or reduces the mid-low frequencies of the signal ( $\pm 12 \text{ max dB}$ )

## **7. MID Low FREQUENCY SELECTOR CH1 and CH2**

You can select which mid-low frequency to use, 185 Hz or 800 Hz

## **8. MID High CONTROL KNOB CH1 and CH2**

Increases or reduces the mid-high frequencies of the signal ( $\pm 12$  max dB)

## **9. MID High FREQUENCY SELECTOR CH1 and CH2**

You can select which mid-high frequency to use, 600 Hz or 1800 Hz

## **10. HIGH CONTROL KNOB CH1 and CH2**

Increases or reduces the high frequencies of the signal  
High  $\pm 13$  dB max @ 7.6k Hz, f3dB = 1k Hz

## **11. PURE SWITCH**

Allows to bypass all the equalization filters of the preamplifier. The pure-mode activation is signaled by the white LED on the top of the button

## **12. DEEP BUTTON CH1 and CH2**

Gives a more deep sound

Push off = flat

Push on = +5 dB @ 50 Hz, +3 dB @ 170 Hz

## **13. BRIGHT BUTTON CH1 and CH2**

Gives a more bright sound

Push off = flat

Push on = +3 dB @ 2.7k Hz, +6 dB @ 9.6k Hz

## **14. MASTER KNOB CH1 and CH2**

Controls the overall volume of the channel 1 and channel 2

## **15. THRESHOLD CONTROL KNOB**

Threshold is the point set for when the compressor actually starts compressing once the volume of the signal reaches above that level

## **16. RATIO SELECTOR**

The ratio determines how much gain reduction the compressor applies when the signal passes a threshold level  
Left / Center / Right = 1:2 / 1:4 / 1:8

## **17. COMPRESSOR VOLUME KNOB**

Volume determines how much gain to apply to the compressed output signal, to compensate for the volume loss due to the compression itself

## **18. RELEASE BUTTON**

The release controls how long it takes for the compressor to return it to an uncompressed state

Push off = slow

Push on = fast

## **19. OVERDRIVE KNOB**

Increases or reduces the amount of distortion

## **20. DRIVE MODE SELECTOR**

Select the type of distortion (soft/hard clipping)

## **21. BLEND KNOB**

Select the clean/distorted ratio of the signal

## **22. HPF (HIGH PASS FILTER)**

Cuts low-end frequencies (High-pass filter) before the OVERDRIVE stage to make more clear and intelligible distorted sound

## **23. OUTPUT**

Sends effected or uneffected signal to amp rig or power amp, depending on the orientation of the Footswitch

## **24. PARALLEL OUTPUT**

Instruments signal passes through always unworked to the input of your amplification system

## **25. HEADPHONES OUTPUT**

3.5mm plug for headphones

## **26. HEADPHONES EQ SECTION**

Equalization section dedicated to the headphones output

## **27. DI OUTPUT CH1 and CH2**

Independent balanced XLR outputs. Sends effected or uneffected signal to mixing console/recorder, depending on the orientation of the Footswitch

## **28. LEVEL DI OUTPUT CH1 and CH2**

Controls the DI volumes

## **29. MIX DI / DUAL DI**

Allows to mix the two signals into a single DI output

## **30. GND LIFT BUTTON**

Isolates the DI outputs from the ground wire

## **31. SEND**

6.35mm jack plug to connect an external effect's input

## **32. RETURN**

6.35mm jack plug to connect an external effect's output

## **33. CHROMATIC TUNER / CLIP SIGNAL**

When mute mode is activated, the chromatic tuner is automatically activated. The display shows the note being played and the LEDs indicate the accuracy of the tuning.

Only left LED = the note is too low

Only right LED = the note is too high

Both LEDs in blue light = the note is in tune

Both LEDs in red light in mute mode = the note is in tune in sharp

Both LEDs in red light not in mute mode = high level of the input signal (clip)

## **34. CH1 / CH2 FOOTSWITCH**

Pressing the footswitch switches from CH1 to CH2. Pressing and holding for 3 seconds switches to mute mode and activates the chromatic tuner

## **35. CH1 + CH2 FOOTSWITCH**

Pressing the footswitch activates both channels simultaneously. Press and hold for 3 seconds to switch to bypass mode

## **36. DRIVE FOOTSWITCH**

Pressing the footswitch activates the overdrive section

## **37. COMP FOOTSWITCH**

Pressing the footswitch activates the compressor section

## **LIMITED WARRANTY**

The warranty covers a period of five years.

The warranty covers any defects in material or workmanship under normal use during the warranty period. Any shipping cost to/from the repair service centre is the customer's responsibility.

In the event of an irreparable damage or repeated failure of the same type, the manufacturer may replace the unit, within the term of the original warranty.

The warranty does not cover parts which may result faulty due to:

- Negligence or careless use
- Improper installation and maintenance
- Tampering made by unauthorized personnel
- Damages that might not be related to manufacturing defects.

The manufacturer accepts no responsibility for any damage due to persons, animals or things, as consequence of the failure to comply with all the installation requirements and /or use indicated in this user manual.





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