



OWNER'S MANUAL

**REBOP**

## IMPORTANT SAFETY INSTRUCTIONS

- PLEASE READ THIS OWNER'S MANUAL CAREFULLY AND KEEP FOR FUTURE REFERENCE.
- ALWAYS USE THE SUPPLIED MAINS LEAD WHICH IS COMPATIBLE WITH THE MAINS VOLTAGE SUPPLY IN YOUR AREA. MAINS LEADS SHOULD BE HANDLED WITH CARE AND REPLACED IF DAMAGED.
- THIS EQUIPMENT MUST BE EARTHED. NEVER DISCONNECT THE PROTECTIVE MAINS EARTH CONNECTION.
- DO NOT SWITCH THE AMPLIFIER ON WITHOUT A LOUDSPEAKER CONNECTED, FAILURE TO DO SO COULD RESULT IN DAMAGE TO THE AMPLIFIER AND POSSIBLE ELECTRIC SHOCK.
- NEVER ATTEMPT TO BYPASS THE FUSES OR FIT FUSES OF AN INCORRECT VALUE. ALWAYS DISCONNECT THE MAINS SUPPLY BEFORE REPLACING FUSES.
- DO NOT ATTEMPT TO REMOVE THE CHASSIS, THERE ARE NO USER SERVICEABLE PARTS AND HIGH VOLTAGES MAY STILL BE PRESENT EVEN WITH THE AMPLIFIER UNPLUGGED FROM THE MAINS SUPPLY.
- REFER ALL SERVICING TO QUALIFIED PERSONNEL. SERVICING IS REQUIRED WHEN THE AMPLIFIER HAS BEEN DAMAGED IN ANY WAY SUCH AS WHEN THE POWER SUPPLY LEAD OR PLUG IS DAMAGED, LIQUID HAS BEEN SPILLED OR OBJECTS HAVE FALLEN INTO THE AMPLIFIER, THE AMPLIFIER HAS BEEN EXPOSED TO RAIN OR MOISTURE, DOES NOT OPERATE NORMALLY OR HAS BEEN DROPPED.
- NEVER USE AN AMPLIFIER IN DAMP OR WET CONDITIONS. NO OBJECTS FILLED WITH LIQUIDS SHOULD BE PLACED ON THE AMPLIFIER.
- DO NOT OPERATE NEAR HEAT SOURCES NOR OBSTRUCT VENTILATION GRILLES. ALWAYS ENSURE FREE MOVEMENT OF AIR AROUND THE AMPLIFIER.
- ALWAYS UNPLUG THE AMPLIFIER DURING LIGHTNING STORMS OR IF UNUSED FOR LONG PERIODS OF TIME.
- AVOID CONTACT WITH HEATED VALVES.
- CLEAN THE EXTERIOR ONLY WITH A DRY CLOTH.
- EXPOSURE TO HIGH SOUND PRESSURE LEVELS MAY CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF THE AMPLIFIER IS OPERATED CONTINUOUSLY AT HIGH VOLUME.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATION AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE PRODUCT.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED 'DANGEROUS VOLTAGE' WITHIN THE PRODUCT'S ENCLOSURE THAT MAYBE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.

**READ AND FOLLOW ALL INSTRUCTIONS  
HEED ALL WARNINGS**

## ***INTRODUCTION***

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Thank you for choosing a REBOP professional guitar amplifier. The COMET is a highly responsive, all-valve amplifier whose moderate power level is ideal for rehearsals and small to midsize venues. Meticulously hand-wired using premium components and loaded with a Celestion V-type G12, the 22 watt Class AB design offers great tonal versatility and superb medium gain distortion in a wide range of musical situations.

The preamp section features Gain - with footswitchable Boost mode, Volume, Treble - with frequency Shift, Middle and Bass controls. A valve driven Reverb circuit, which utilises an Accutronics long-spring tank, is also provided.

The output stage employs a duet of 6V6 pentodes, grid biased for maximum power and exceptional tone, and a Focus control which determines the loud-speaker's response characteristics.

No compromises have been made in the production of your new amplifier, REBOP chassis are box formed and welded from heavy duty steel and powder coated for corrosion protection. Electronic components are hand assembled on a glass-epoxy turret board with flying lead connections to chassis mounted valve sockets and controls. Cabinets are fashioned from the finest birch plywood with rebated joints for ultimate durability and covered with hard wearing vinyl for long lasting good looks.

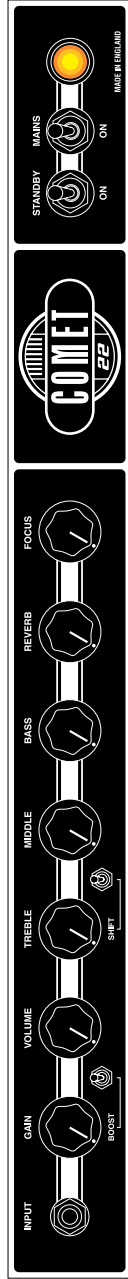
In order to thoroughly understand the operation and features of your new amplifier, please study this manual carefully. Your selection of a REBOP amplifier will be rewarded with many years of trouble free operation and enjoyment.

## ***GETTING STARTED***

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1. Having unpacked your amplifier, please retain the original shipping carton for possible future use.
2. Check the internal loudspeaker is connected to the 8 ohm speaker socket. Refer to the SPEAKER OUTPUT section of this manual if you intend to use a separate speaker cabinet.
3. Connect the F2 footswitch (optional).
4. Having verified the amplifier is compatible with your electricity supply, connect the supplied mains lead to the MAINS INPUT on the rear panel.
5. Set the VOLUME control to minimum.
6. Plug in your guitar.
7. To switch the amplifier ON, toggle the MAINS switch to the ON position and, after a minimum warm-up period of 30 seconds, activate the STANDBY switch.
8. Your REBOP amplifier is now ready to play.
9. To switch the amplifier OFF, first deactivate the STANDBY switch followed by the MAINS switch.

## FRONT PANEL FEATURES



### INPUT

Plug in your guitar here. Always use a high quality, low capacitance screened cable.

### GAIN

Controls the preamp gain and sensitivity. Lower settings produce a clean tone that is bright and dynamic. As the GAIN is increased, the tone becomes darker and more overdriven.

### BOOST

The BOOST mode offers an additional 6dB of preamp gain. The circuit revoices the preamp while attenuating the REVERB level to ensure a tight overdriven tone. The BOOST mode may also be activated via the supplied footswitch.

**NOTE:** THE PANEL SWITCH WILL BE DISABLED WHEN THE FOOTSWITCH IS CONNECTED.

### VOLUME

Controls the power amp drive and output level of the amplifier. For the cleanest tones, set the VOLUME control to maximum. For more distortion, increase the

preamp GAIN while resetting the VOLUME control for the desired output level.

### TREBLE

Provides high frequency equalisation. Turn the control clockwise for a brighter tone.

### SHIFT

Increases the upper midrange gain by extending the frequency range of the TREBLE control.

### MIDDLE

Controls the midrange response. Turn the control clockwise for a tight, punchy tone. Lower settings will 'scoop' the mids which results in a slightly compressed feel with a moderate low frequency emphasis.

### BASS

Provides low frequency equalisation. Turn the control clockwise for a deeper tone. When playing at high volume or using distortion, a low BASS setting will generally produce a more balanced sound.

### REVERB

Sets the REVERB level that will be mixed with the dry guitar signal. REVERB is off when the control is set to minimum (fully anti-clockwise).

### FOCUS

A power amp circuit that enables adjustment of the loudspeaker damping. Low FOCUS settings will produce the tightest speaker response and lowest gain. Clockwise rotation reduces the damping effect which results in a looser feel, increased distortion and a more revealing tone.

### STANDBY SWITCH

Switches the HT (high tension) voltage to operate the amplifier.

### MAINS SWITCH

Switches the incoming AC mains supply.

### INDICATOR LAMP

Illuminates when the MAINS switch is in the ON position.

## REAR PANEL FEATURES

**REAR PANEL FEATURES**

**MAINS FUSE** T1A 250V 1500mA 250V

**HT FUSE** 1500mA 250V

**MAINS INPUT** 250V~0ohm 50W

**CAUTION:** DISCONNECT MAINS SUPPLY BEFORE REPAIRING FUSES.

**WARNING!** SHOCK HAZARD. DO NOT OPEN TO REMOVE THE FUSE. ALWAYS DISCONNECT MAINS SUPPLY BEFORE REPAIRING FUSES. ALWAYS USE APPROPRIATE SAFETY PROCEDURES. ALWAYS WEAR PROTECTIVE GEAR. ALWAYS USE THE CORRECT TOOLS.

**OUTPUT** 4 OHM 20 WATTS RMS

**WARNING!** RISK OF HAZARDOUS ENERGY.

**REVERB** INPUT

**FOOTSWITCH** TYPE F2

**REBOP** REVERB BY OPTIMIZED PHASED REVERB OVERDRIVE

MODEL: COMET FZ SERIAL NO: [REDACTED]

### MAINS FUSE

Protects the amplifier from damage as a result of AC supply fluctuations or output valve failure.

### MAINS INPUT

Connect the supplied mains lead here. The lead should only be connected to a mains outlet that is compatible with the voltage requirements specified on the rear panel.

### HT FUSE

Provides further protection to the amplifier as a result of output valve or other component failure.

### WARNING!

- IN THE EVENT OF A BLOWN FUSE, REPLACE IT WITH THE SAME TYPE AND RATING AS SPECIFIED ON THE REAR PANEL.
- IF A FUSE BLOWS REPEATEDLY, CONTACT THE MANUFACTURER OR AN APPROVED SERVICE CENTRE FOR ASSISTANCE.

### SPEAKER OUTPUTS

The Comet provides 4 and 8 ohm speaker output jacks. Use the 8 ohm jack with the

amplifier's internal speaker. If you are using a separate speaker cabinet be sure to match the impedance with the correct amplifier output. Ensure that unscreened speaker cables are used—never use guitar leads.

### WARNING!

- ALWAYS ENSURE YOUR AMPLIFIER IS COMPLETELY POWERED DOWN BEFORE CONNECTING SPEAKERS.
- NEVER OPERATE THE AMPLIFIER WITHOUT A SPEAKER CONNECTED.
- ALTHOUGH 4 AND 8 OHM SPEAKER OUTPUTS ARE PROVIDED, NEVER ATTEMPT TO CONNECT SPEAKERS TO BOTH SOCKETS AT THE SAME TIME.

### REVERB JACKS

For connection to the reverb tank (factory installed).

### FOOTSWITCH

Connect the F2 footswitch here to enable remote switching of the BOOST mode.

## SPECIFICATIONS

Output Power	22W RMS
Speaker Outputs	4ohm x1, 8ohm x1
Preamp Valves	12AX7 x3, 12AT7 x1
Power Amp Valves	6V6 x2
Output Stage Biasing	23mA/valve
Speaker	Celestion V-type G12, 8ohm
Footswitch	F2
Dimensions	W558 x H550 x D272mm
Weight	21kg



## LIMITED WARRANTY

REBOP amplifiers are guaranteed to be free of defective materials and workmanship for a period of two (2) years from the original date of purchase. Valves and loudspeakers are guaranteed for a period of ninety (90) days. Defective products that qualify under this warranty will be repaired or replaced, at the manufacturer's discretion, without charge. This warranty is extended to the original purchaser only and is non-transferable.

To receive warranty service, the product must be returned to the dealer from whom it was purchased or, if the product was purchased direct, shipped carriage prepaid to our service facility. Before returning a product to us, please submit your service request at [www.rebopengineering.com/warranty](http://www.rebopengineering.com/warranty)

This warranty remains valid only if the serial number has not been defaced or removed. It does not cover damage due to accident, misuse, modification, incorrect voltage application or if the product has been repaired or serviced by persons not authorised by the manufacturer. We retain the exclusive right to make such determination on the basis of factory inspection.

REBOP ENGINEERING ASSUMES NO LIABILITY FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, THAT MAY RESULT FROM THE USE OF OR THE INABILITY TO USE THIS PRODUCT.

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