

# ÜBERSCHALL ULTRA

USER MANUAL 1.0

Edgert

## WELCOME TO THE FAMILY

Starting in the late 1980's once the world was punched in the face by the brutal tone of Bogner modified amps, players started banging down our door and demanding the notorious Bogner sound for there music.

Since then Bogner prolifically designed over the past 30 years a whole arsenal of industry leading guitar amplifiers, speaker cabinets and stomp boxes covering musical styles from jazz, blues, country, rock to metal and beyond.

In all this time Bogner helped create, enhance the guitar sound of many of the world most iconic artists live and in the studio.

The **ÜBER-ULTRA** is firmly rooted in the praised original **ÜBERSCHALL** with it's massive sonic footprint as a starting point. We expanded the flex-ability and added 2 more gain-stages that can be accessed via the **ULRA-MODE** and Foot-switchable gain boost.

Equipped with Your choice of a quad of barking **EL34** or bolt sounding **KT88** power amp-tubes able to produce **100-120 Watts** of Power depending on output tubes.. It is even possible to choose a combination of a pair of **EL34** with a pair of **KT88**. To blend the best of both worlds. We also offer a custom order **5881/6L6** version. There also is a **HPV** (High Plate Voltage) **KT88** version (KT88 ONLY) available that delivers a crushing **150 Watts** of Power.

The result is a tight, quick, punchy and harmonically complex Modern Ultra High Gain Amplifier that effortless lets you dial in guitar tones with incredible string to-string note articulation from clean to uber-

ultra high gain and everything in between.

Congratulations on owning one of the finest guitar amplifiers in the world.

Providing the tools to develop and help manifest your personal sonic footprint is our goal.

There you have it! It's all up to you now, be creative and push your musical imagination... Be sure to visit our website at: [bogneramplification.com](http://bogneramplification.com).

With much gratitude,

Reinhold Bogner



IMPORTANT SAVE GUARDS !



CAUTION: Refer to accompanying documents!

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 the product.



WARNING: Risk of electric shock!

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



Hot parts!

Burned fingers when handling the parts.

Wait one-half hour after switching off before handling parts.

WARNING: To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. This product should not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on or near the product.

This product complies with the WEEE Directive (2002/96/EC) marking equipment. The affixed product label indicates that you must not discard this

**CAUTION: TO REDUCE RISK OF ELECTRIC SHOCK, DO NOT REMOVE BOTTOM PLATE. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



electrical/electronic product in domestic household waste.

By affixing the CE marking to a product, a manufacturer declares that the



product meets all the legal requirements for CE marking and can be sold throughout the EEA.

**PLEASE READ THIS MANUAL CAREFULLY BEFORE PLUGGING IN.**

## WARNING! IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions ! Keep these instructions ! Heed all warnings ! Follow all instructions ! -Do not use this apparatus near water. Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. -Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade of the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus. Only use attachments/ accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objectives have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
- To insure proper ventilation, always make sure there is at minimum 4 inches (101.6mm) of space behind the rear of the apparatus. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc. Do not impede ventilation by placing objects on top of the apparatus which extend past the rear edge

of its cabinet.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. -The AC plug is the mains disconnect. The plug should remain accessible after installation.

- Do not expose amplifier to direct sunlight or extremely high temperatures.
- Always insure the amplifier is properly grounded. Always unplug AC power cord before changing fuses, tubes or removing chassis. Use only same type and rating when replacing fuse.
- Avoid direct contact with heated tubes. Keep amplifier away from children.
- To avoid damaging your speakers and other playback equipment, turn off the power of all related equipment before making the connections. -Do not use excessive force when handling buttons, switches and controls. Do not use solvents such as benzene or paint thinner to clean the unit.
- Always connect to an AC power supply that meets the power supply specifications listed on the rear of the unit. Export models: always insure unit is wired for proper voltage. Make certain grounding conforms with local standards.

### **YOUR AMPLIFIER IS LOUD! EXPOSURE TO HIGH SOUND VOLUMES MAY CAUSE PERMANENT HEARING DAMAGE!**

Your Bogner Amplifier is a professional instrument. Please treat it with respect and operate it properly.

## READ AND FOLLOW INSTRUCTIONS OF PROPER USAGE.

Before going any further, make sure that your amplifier is compatible with your mains electricity supply.

### **MAINS INPUT & FUSE:**

The specific mains input voltage rating that your amplifier has been manufactured for is indicated on the rear panel of the amplifier. Your amplifier is provided with a detachable mains IEC (power) cord, which should be connected to the MAINS INPUT socket on the rear panel of the amplifier. The correct value and type of mains fuse is specified on the rear panel of each 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, 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:**

Failure to match the correct speaker impedance may damage your amplifier. If connecting a speaker cabinet make sure that you use a proper heavy duty speaker cable. Never use a shielded guitar cable for this purpose!

## IMPORTANT SET UP INFORMATION:

**Step 1.** Start by hooking up the speaker to the matching impedance (ohm) output.

Single 16 ohm cabinet plug in 16 ohm jack.

Single 8 ohm cabinet plug in 8 ohm jack.

Single 4 ohm cabinet plug in 4 ohm jack.

Using two 8 Ohm cabs: each cab goes into the 4 Ohm jacks (because 2x8 Ohm results 4 Ohm)

Using two 16 Ohm cabs: each cab goes into the 8 Ohm jacks (because 2x16 Ohm results 8 Ohm)

**Step 2.** should read: Ensure that the Power Switch is resting in the OFF Position and all controls of CH1 and CH2 are in noon position. Density and Depth controls should be maxed at U marking.

**Step 3.** Connect the supplied mains IEC(power) cord into the MAINS INPUT first and then into the mains electricity supply.

**Step 4.** Ensure that the MASTER controls on the front panel are set to zero.

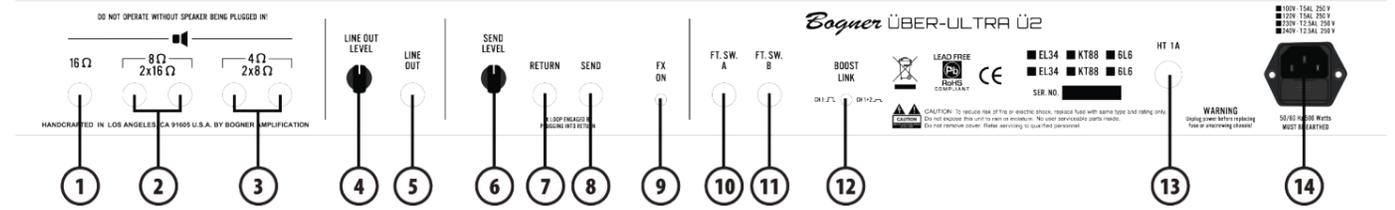
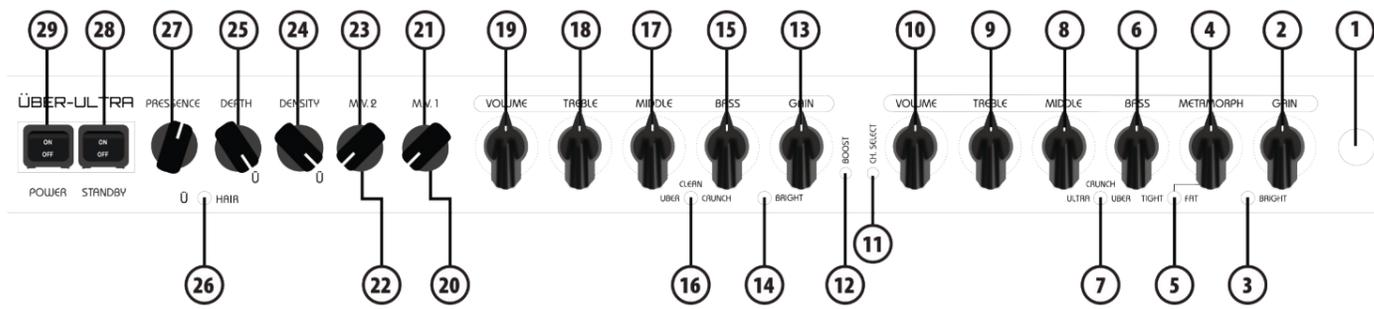
**STEP 5.** Plug your guitar in the front input jack. Set send level control to 12 o'clock.

**Step 6.** Standby Switch should be in OFF Position.

**Step 7.** Flip the MAINS Power switch to the ON position

**Step 8.** Wait about 90 seconds before flipping the Standby switch in the ON position

**Step 9.** Turn the MASTER slowly up to the preferred level. You are now ready to Rock!



**1 INPUT JACK**

**2 GAIN CH2:** Gain control of ÜBER-ULTRA channel.

**3 CH2 PRE EQ SWITCH, Bright** most aggressive position becomes less effective with higher GAIN settings. **Focus** delivers a smooth tight response, **DOOM** adds a fuller low-end and slower response.

**4 METAMORPH:** control of CH2 channels overall tonal character and gain fine tuning. Works in conjunction with FAT/TIGHT Switch #5 on this list. SW 5 in TIGHT position Lower settings of METAMORPH emphasis the pick attack and tightens the low-end. Fantastic for staccato rhythm riffing. Higher settings (clock wise) result in a bigger note envelope and a slow looser response. SW 5 in FAT position, Lower settings of METAMORPH fatten and round notes. Great for single note soloing.

**5 FAT/TIGHT** Switch, Works in conjunction with METAMORPH control #4 on this list.

**6 BASS:** CH2 Bass tone control

**7 CH2 MODE SELECTOR: ÜBER** (high gain), **CRUNCH** (lowest gain), **ULTRA** (extreme high gain).

**8 MIDDLE:** CH2 Scoops or boosts the middle frequency punch.

**9 TREBLE:** CH2 Treble tone control

**10 VOLUME:** CH2 Volume control. Located before the FX loop and will effect the fx send level.

**11 CH SELECTOR SWITCH,** toggels between CH1 and CH2. Works parallel to FT-SW CH-SELECT.

**12 BOOST SWITCH,** adds additional gain-stage to CH1. If BOOST Link Switch on the the back panel is engaged it will also add a gain-stage to CH2. For extra sizzeling harmonics and added compression

**13 GAIN CH1:** Gain control of CLEAN/CRUNCH channel.

**14 CH1 BRIGHT SWITCH**

**15 BASS:** CH1 Bass tone control

**16 CH1 MODE SELECTOR: CRUNCH** classic rock 70's sounds, **CLEAN** superb 60's British clean sounds, **ÜBER** high gain crunch sounds.

**17 MIDDLE:** CH1 Scoops or boosts the middle frequency punch.

**18 TREBLE:** CH1 Treble tone control

**19 VOLUME:** CH1 Volume control. Located before the FX loop and will effect the fx send level.

**20 M.V. 1** active indicator LED.

**21 M.V. 1:** MASTER VOLUME 1.

**22 M.V. 2** active indicator LED.

**23 M.V. 2:** MASTER VOLUME 2,.

**24 DENSITY,** lower settings more 3D and higher settings faster and more in your face. **Ü** maximum density matches original Uberschall preset.

**25 DEPTH,** adds a 100HZ resonance peak for huge low-end boost. **Ü** - Uberschall preset matches original Uberschall depth.

**26 HAIR SWITCH** let's You select different Presence frequencies. **Ü** - Uberschall preset matches original Uberschall. **HAIR** shifts to a higher frequency and **HAIR+** to the highest frequency. This switch works in conjunction with the Presence control #27 on this list

**27 PRESENCE,** Boosts upper high frequency.

**28 STAND BY,** turns on high voltage.

**29 POWER** main AC power.

**1 SPEAKER OUTPUT 16 Ohm.:** Use with 16 Ohm Speakers

**2 SPEAKER OUTPUT 8 Ohm.:** Use with one 8 Ohm Speakers or 2x 16 Ohm Speakers

**3 SPEAKER OUTPUT 4 Ohm.:** Use with one 4 Ohm Speakers or 2x 8 Ohm Speakers.

**4 LINE OUT LEVEL CONTROL**

**5 LINE OUT JACK,** this is a none frequency corrected line out. Great to feed Your I.R. Loader (Attention: Speaker or External Load must be plugged in speaker output) or bi or trie-amping setups.

**6 FX LOOP SEND LEVEL CONTROL,** set lower for Pedal FX Boxes and higher for RACK FX. Important, this control is always active weather loop is engaged or not! It sits between the channel Volumes and Master Volumes and affects overall level all the times. Set to 12 o'clock as a starting point or if loop is not used.

**7 FX LOOP RETURN JACK,** feeds from Output of FX Unit.

**8 FX LOOP SEND JACK,** feed Input of FX-Unit. Send Level depends on CH-VOLUME and SEND LEVEL Control setting.

**9 SWITCHES FX LOOP on or off,** can be used to switch FX Signal BY-Pass on when FOOT-SWITCH is not available. Power-up default is FX-By Pass. To hear the FX this Button or the FX Button on the Foot-Switch must be pushed once after powering up.

**10 FOOT-SWITCH A** (red ring): TRS jack for momentary foot-switch B

**11 FOOT-SWITCH B** (blue ring): TRS jack for momentary foot-switch

**12 BOOST LINK SWICTH.:** Opens the option to access the Boost-Function on C1 & C2. In the Non Linked Mode, the Boost Function will only work in CH1 and Crunch mode in CH2.

**13 H.T. FUSE 1A** Slow Blow (3AG Size). This Fuse is the first to be checked if Power Tube failure is suspected. AMP MUST BE UNPLUGGED FROM AC WALL SUPPLY BEFORE UNSCREWING!

**14 AC-LINE-POWER-INPUT,** With Fuse Drawer. Only replace fuse with matching to Country's Line Voltage assigned Fuse Amperage Value.

## TUBES AND MORE

### Pre-Amplifier TUBES

**V1** ECC83 / 12AX7 1st stage off all Channel's + 2nd stage of CH2 ULTRA and CH UBER mode. This TUBE must be selected for extremely low noise & micro-phonics!

**V2** ECC83 / 12AX7 3rd and 4th stage off all Channel CH2. Selected for low noise!

**V3** ECC83 / 12AX7 3rd gain stage CH2 and foot-switchable additional boost gain stage. Selected for low noise!

**V4** ECC83 / 12AX7 5th and 6th gain stage of CH2 and 4th and 5th stage of CH1.

**V5** ECC83 / 12AX7 Fx-Loop

**V6** ECC83 / 12AX7 Phase-inverter of power-amp

Microphonic Pre-Amp tubes can manifest a sudden high pitched glassy springy feedback sound. V1 and V2 are most sensitive to this phenomenon. Pre-Amplifier tubes can also cause hum or other bad noises, like crackling or sputtering.

### Power-Amplifier TUBES

**V7** 6L34 / KT88 (V7 & V10 matched pair)

**V10** 6L34 / KT88 (V7 & V10 matched pair)

**V8** 6L34 / KT88 (V8 & V9 matched pair)

**V9** 6L34 / KT88 (V8 & V9 matched pair)

Changing power-tubes requires the adjustment of the bias by a tech for pristine operation. Use only tubes of highest quality available and only power-tubes matched pairs. Blowing of the H.T. fuse can be a indicator of faulty power-amp tubes.

Warning! Replace fuses only with same type and rating.

**Warning!** Never touch HOT tubes before unplugging the IEC Power cord and letting the amp cool down for at least 15 minutes.

### tone Hunter SECRETS:

Remember that Your guitars sound is only as good as the weakest link in the chain, starting with fresh guitar strings, a properly set up quality instrument and pick ups,

professional guitar and speaker cables and finally the guitar speaker cabinet.

If only one of those items is not of the highest quality You will never know what tremendous harmonic richness and touch sensitivity your ÜBERSCHALL-ULTRA is capable of.

Always use the shortest possible guitar and speaker cables to get the maximum tonal reward and the least sonic alteration. The "less is more" rule applies here. Signal cables are never perfect conductors and under close examination consist of very complex filter networks that influences the tone and feel of your rig a great deal.

To ensure prolonged tube life, switch the amplifier during short playing brakes into standby mode.

Tubes age at a very slow pace, slow enough for you to get used to the changing tone. To keep having superior performance, consistent tone quality and reliability we recommend re-tubing, cleaning and biasing every 1-3 year if the amp is used frequently.

**WARRANTY NOTES:** The ÜBERSCHALL-ULTRA is covered by BOGNER's LIMITED THREE (3) YEAR WARRANTY. Thank you for choosing BOGNER. BOGNER takes great pride in an extremely thorough testing procedure which is implemented on each product prior to shipment. In the unlikely event that you have a problem with your BOGNER product, please refer to warranty below.

**PREAMP:** BOGNER offers a limited Three (3) Year warranty to the original purchaser that this BOGNER product will be free from defects in material and workmanship. A dated sales receipt will establish coverage under this warranty,

### PLEASE KEEP YOUR PROOF OF PURCHASE TO USE YOUR WARRANTY.

This warranty does not cover service or parts to repair damage caused by accident, neglect, abuse, normal wear & tear, disaster, misuse, abuse, overpowering, negligence, inadequate packing or shipping procedures and service, repair or any modifications to the product which have not been authorized or approved by BOGNER in writing. ANY MODIFICATION TO THE AMPLIFIER WILL VOID YOUR WARRANTY. If this product is defective in materials or workmanship as warranted above, your sole remedy shall be repair or replacement by BOGNER as provided below.

**CAUTION:** Do NOT attempt to repair, modify or service this BOGNER product by yourself!!! Please read the instruction manual for all safety notifications, warnings and instructions. BOGNER utilizes tubes with extremely high voltages that can cause serious injury or death. Do not remove the chassis cover from the amplifier. All repair and service work must be performed by BOGNER or an authorized service center of

### BOGNER. ANY UNAUTHORIZED REPAIRS WILL VOID YOUR WARRANTY.

TUBES: Bogner warrants the original purchaser that the specific tubes used in Bogner will be free from defects in material and workmanship for a period of 90 days from the original date of purchase. A dated sales receipt will establish coverage under this warranty. This tube warranty will automatically terminate 90 days after the original retail sales date. This tube warranty is in lieu of all other expressed warranties. If tubes fail within the 90-day warranty period, your sole remedy shall be replacement of tubes as provided below.

## RETURN PROCEDURES:

In the unlikely event that a defect occurs please email us at Bogner Amplification. In most cases we can help you diagnose the problem via email. If a product must be sent to us, please follow the procedure outlined below.

- Defective products must be shipped, together with proof of purchase, freight pre-paid and insured to the Authorized BOGNER Service Center or directly to BOGNER.
- If a product must be returned to BOGNER for warranty replacement/repair, a Return Authorization Number must be obtained from our Customer Service Department prior to shipping the product.
- Please contact BOGNER Customer Service Department for the Authorized BOGNER Service Center nearest you.
- Products must be shipped in their original packaging or its equivalent; in any case, the risk of loss or damage in transit is to be borne by the purchaser.
- The Return Authorization Number must appear in large print directly below the shipping address.
- Always include a brief description of the defect, along with your correct return address and telephone number. When calling to inquire about a returned product, always refer to the Return Authorization Number.

## INCIDENTAL OR CONSEQUENTIAL DAMAGE:

In no event will BOGNER be liable for any

incidental or consequential damages arising out of the use or inability to use of any BOGNER product, even if a BOGNER dealer has been advised of the possibility of such damages, or any other claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

## FOR YOUR PROTECTION:

Please complete the warranty registration card within (10) ten days of the date of purchase so that we may contact you directly in the event a safety notification issued in accordance with the 1972 Consumer Product Safety Act.

## CUSTOMER SUPPORT:

Our dedicated and friendly staff is ready to help you with any warranty or product questions you may have. Please call BOGNER +1 818 765 8929 or email us at [info@bogneramplification.com](mailto:info@bogneramplification.com)

Thank you again for choosing Bogner and we look forward to a long relationship!

## Bogner ÜBERSCHALL-ULTRA

### TECHNICAL SPECIFICATION

AC LINE Power Requirements: 500 Watts

#### 100V UNITS:

Mains Fuse T5A, 250v (5x20mm)  
H.T. Fuse T1.0A, 250V (1/4x1 1/4")

#### 120V UNITS:

Mains Fuse T5A, 250v (5x20mm)  
H.T. Fuse T1.0A, 250V (1/4x1 1/4")

#### 220-240V UNITS:

Mains Fuse T3A, 250v (5x20mm)  
H.T. Fuse T1.0A, 250V (1/4x1 1/4")

#### Power Output:

EL34 120W RMS @ 5% THD, 1Khz sine at 16 Ohm load

KT88 HPV 150W RMS @ 5% THD, 1Khz sine at 16 Ohm load

#### Power-Amp Output IMPEDANCE:

4 Ohm, 8 Ohm, 16 Ohm

Input Impedance: 1 Mega Ohm

#### Dimensions excluding feet & handle:

Height: 10 5/8"

Width: 27"

Depth: 11 7/8"

Weight: 53 pounds

Product specifications are subject to change without notice.

## FX Loop:

Send: Adjustable Level

Return: Adjustable Level (M.V.C.)

Line Out: Adjustable Level

(linear non frequency corrected, post Power-Amp)

Preamp valves: 6 x ECC83 (low microphonic) & low noise)

Power amp valves: 4 x EL34 or other power-tubes are optional

Power Cord: IEC (Included)

Footswitch: 4 button Foot-controller (included)

## BOGNER AMPLIFICATION

Address: 11411 Vanowen Street  
North Hollywood, CA 91605, USA

phone: +1 818.765.8929

Mail: [info@bogneramplification.com](mailto:info@bogneramplification.com)