

SABRIA AUDIO®

BULL PRE

USER MANUAL



**MICROPHONE / INSTRUMENT PREAMP
& DI BOX**



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BULL PRE

INTRODUCTION

Microphone | Instrument & DI Box

With the Bull Pre, the sound is direct, pure and rich, as the Dual Pre's. It's a mono-channel version of the same. With its absolute bandwidth, you'll be surprised to fully reveal your audio sources. Every recorded track with the Bull Pre has all the necessary sonic material to work and magnify your mixes.

The design of the Bull Pre recalls a non-compromise microphone, hi-z instruments and direct box , with all the necessary pro functions. It has a compact format, to bring it more easily on stage or on your home studio desk.

THANKS FOR PUTTING YOUR TRUST AND CONFIDENCE IN SABRIA-AUDIO.



CONDITIONS OF USE | INSTALLATION

IMPORTANT SAFETY INSTRUCTIONS

- 1- Do not use this unit near water.
- 2- Clean only with a dry cloth.
- 3- Do not install near any heat sources such as radiators, heat registers, stoves, or other units that produce heat.
- 4- 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. Only use the power supply unit provided by Sabria-Audio.
- 5- Protect the power cord from being walked on or squashed particularly on plugs, convenience receptacles, and the point where they exit from the unit.
- 6- Only use attachments/accessories specified by the manufacturer.
- 7- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 8- Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as power-supply cord or the plug is damaged, liquid has been spilt or objects have fallen into the unit, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.

• **WARNING ELECTRIC SHOCK HAZARD** Only authorized personnel can service this equipment.

• **This unit should be connected to a mains socket outlet with a protective earthing connection.**

- Mains powered units should not be exposed to dripping or splashing. No objects filled with liquids, such as vases or drinking glasses, should be placed on the unit.
- Turning off the power switch does not completely isolate this product from the power line.
- Keep the power plug easily accessible. Do not install this equipment far from a power outlet and/or power strip.
- Do not install this equipment in a confined space such as a box for conveyance or similar unit.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- The rating label is located on the back of the unit.
- The provided power supply complies with all European, Us and Japanese standards.

SABRIA-AUDIO Warranty: 3 years. (Check the warranty policy at Sabria-Audio.com)



Section A - Front panel features



1 - Inputs Select Hi-Z Inst. | Mic. (2-pos switch)

The input selector permits selecting the incoming signal.

2 - Bargraph | Optimal 4-LED level indicator

Yellow SIG LED for signal presence level, green -10dB LED, green 0dB LED, OL (Overload) red LED +3dB.

To adjust the perfect gain and ensure an optimized circuitry work, the two green LEDs have to be active and the red one blinking.

NOTICE: The OL red LED is NOT an absolute limit, and has its electronic and measure coherence but works like an indicator of a +4dBu level. The Dual Pre electronics tolerance is made to absorb and magnify harmonically the input source to go above the



+4dBu level so if the right OL LED is blinking, only your hearing has to detect the right and critical point.

3 - Jack entry instrument Hi-Z Neutrik Input | Neutrik Jack 6.35mm Instruments types
Accepts all passive or active Hi-Z unbalanced (asymmetric) inputs like guitars, electric pianos, synths, etc. Gain: 13dB to 40dB.

4 - Gain potentiometer

The microphone gain ranges from 33dB to 60dB and the Hi-Z gain ranges from 13dB to 40dB.

5 - Power Supply indicator with LED.

The ON red LED indicates that the Bull Pre is powered on.

6 - Phantom Power +48V NA/Active with red led (2-pos switch)

The phantom power is needed with all the condenser microphones. However, some of them will have a dedicated external power supply. In this case, you don't have to activate it on the Bull Pre. Dynamic microphones and ribbon microphones don't need phantom power either. Check the user guide or contact the manufacturer concerning any equipment you are connecting if you are not sure it will be damaged by the power.

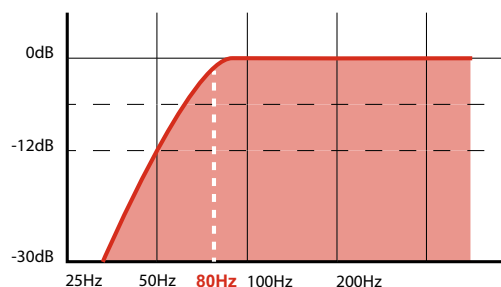
Connect your microphone first, with the gain at the minimum. Then you can activate the phantom power and adjust the Gain.

7 - Pad -20dB NA/Active with red LED (2-pos switch)

The -20dB pad works as an attenuator and operates on Mic and Instrument inputs. If you have a really loud source, and to better adjust the gain without peaking, the pad will be the solution.

8 - Hi-pass Filter 80Hz with red LED (2-pos switch).

The high-pass filter attenuates content below a cutoff frequency, allowing higher frequencies to pass through the filter. In this case, the cutoff frequencies have a 12dB slope. It's a rumble filter.



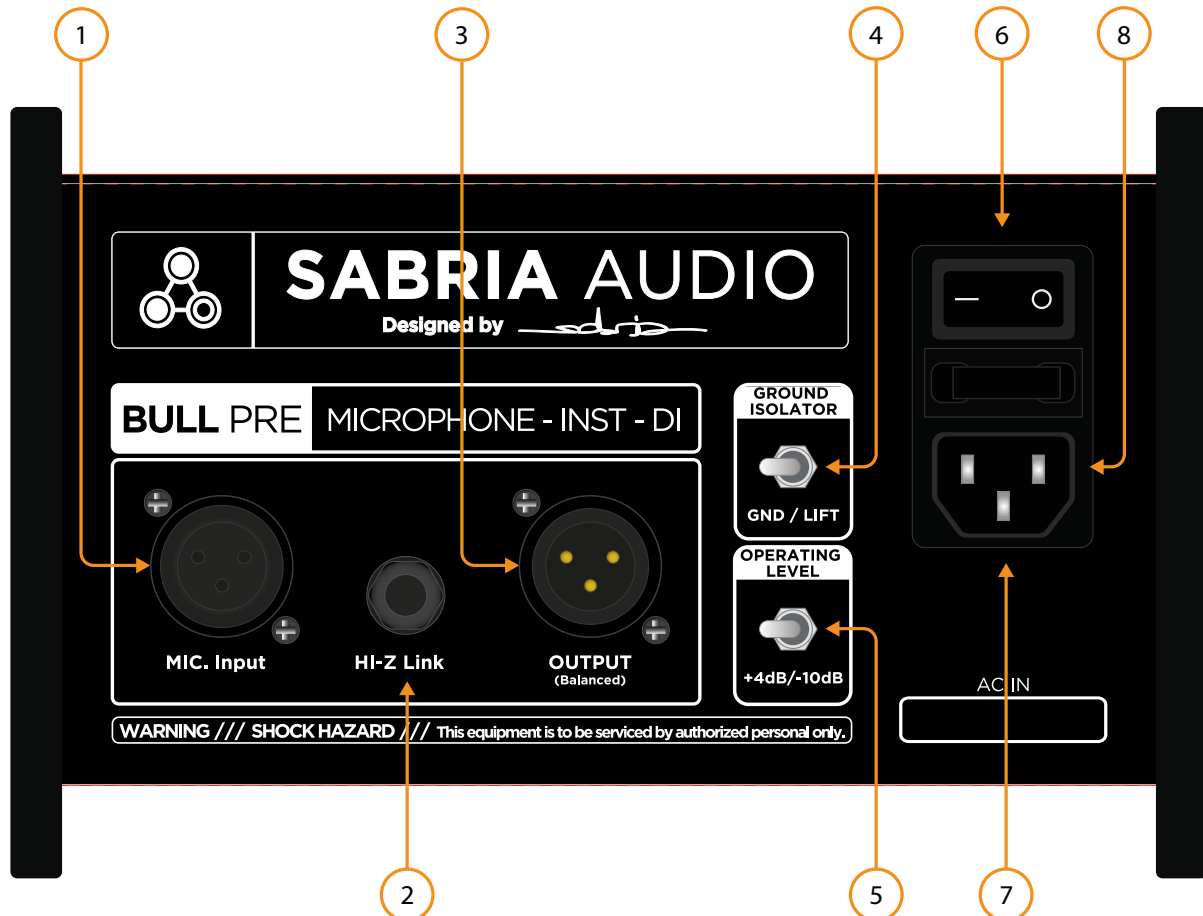
**9** - Phase Invert NA/Active with red LED (2-pos switch)

This device inverts the polarity of a signal and will simply swap positive voltage to negative voltage and vice versa. The Phase Invert permits a 180° phase inversion.

THE BULL PRE GAIN CONTROL IS MADE TO OPTIMIZE FULLY THE OPERATING LEVEL OF ITS CIRCUITRY, REVEAL TOTALLY YOUR INPUT SOURCE AND AT THE END PROVIDES YOU A COMPLETE TECHNICAL COHERENCE.



Section B - Rear panel features



1 - Microphone Input Xlr Neutrik

It accepts all types of microphones, condenser, dynamic, ribbon, etc.

Check the user guide or contact the manufacturer of any equipment you are connecting.

2 - Hi-Z Link | Jack 6,35mm Neutrik

The Hi-Z link is a parallel circuit from the front panel Hi-Z (Instrument) input. It reproduces exactly the incoming signal to feed an instrument amp, or tuner for example. See Section D - Audio configurations.

**3 - Main Outputs Xlr Neutrik**

Balanced 600 Ohms main output.

4 - Ground Lift 2-pos switch NA/Gnd Lift

Additional equipment and even the environment can add hums and noise due to ground-to-balanced signals. The "lift" position disconnects the audio ground from the earth ground and avoids the ground noise, commonly in live conditions.

5 - Main Output +4db/-10dB selector

The +4db/-10dB is the operating level of the balanced Output. To optimize the audio results, the main principle is to adapt all the audio chains to one or another level. Check the main characteristics of your equipment (audio interfaces, mixers, powered speakers). It's technically important to adjust it to have a coherent chain.

5 - On/Off switch

Powers the Source Preamp. Internal toroidal transformer 100V-230V AC supply.

6 - Fuse

The characteristics of this fuse are: 1AT (T for temporized)

7 - IEC Cable

The Source Preamp IEC power supply is available in three configurations: European 230V, America 120V and Japan 100V. with the adapted IEC cable plug.



Section C - Specifications

- Bandwidth @ -0.5dB | Mic In: 8Hz to 28kHz | Hi-Z In: 9Hz to 21kHz
- Bandwidth @ -3dB | Mic In: 3Hz to 58kHz | Hi-Z In: 4Hz to 38kHz
- Max. Level out (600Ω load): 8V / 20.4dBu
- Max Input | Mic In: 200mV | Hi-Z In: 2V1
- Max Input with Pad | Mic In: 850mV | Hi-Z In: > 7V
- Max. Total gain (600Ω load) | Mic: 59dB | Hi-Z: 40dB
- Inputs impedance | Mic: 4.2 kΩ | Hi-Z: 510kΩ
- Hpf (Hipass filter): -3dB @ 80Hz
- Bargraph: Yellow (Signal) -30dB / Green#1 -10dB / Green#2 -2dB / Red (OL) +4dB @1kHz

AC Power: 115v-230V (Toroidal transformer)

Fuse (Temporized): 1AT

Dimensions: 192 mm (W) x 250 mm (D) x 128 mm (H)

Weight: 2.1 kg

Section D - Content

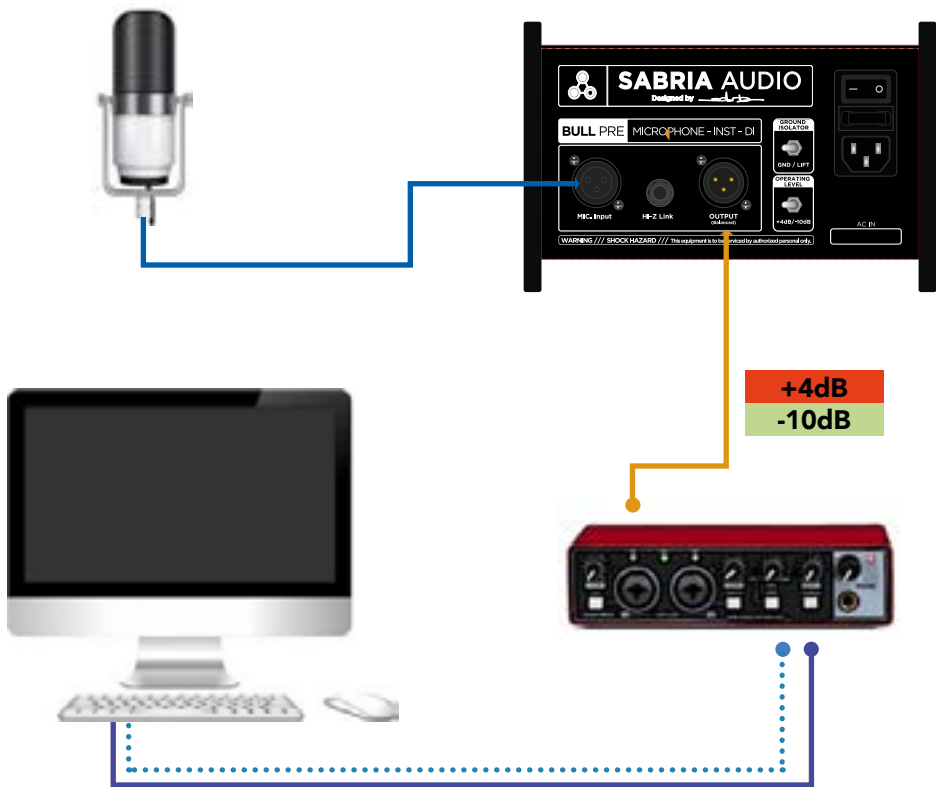
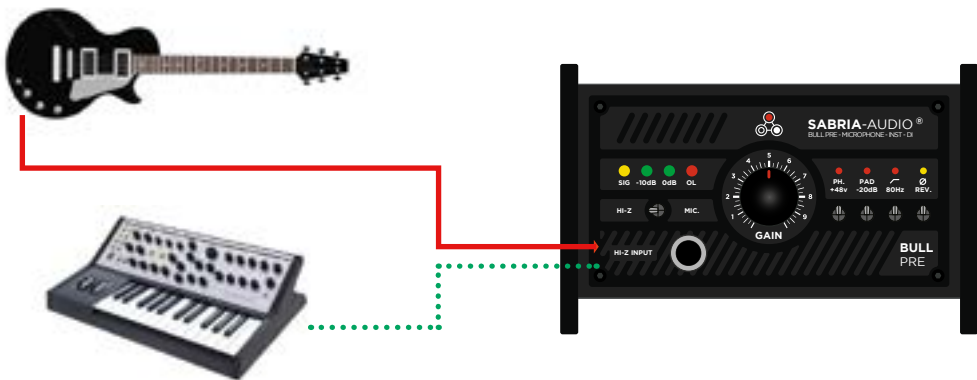
Bull Preamp

IEC Cable



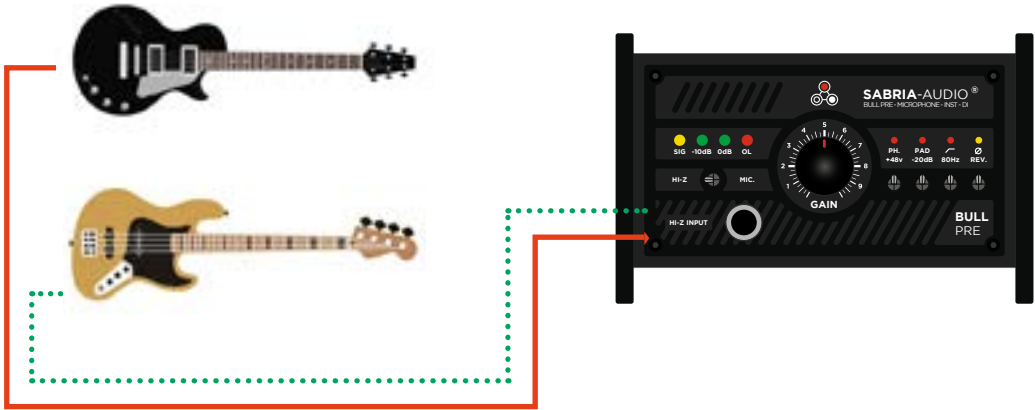
Section D - Audio Configurations (Examples)

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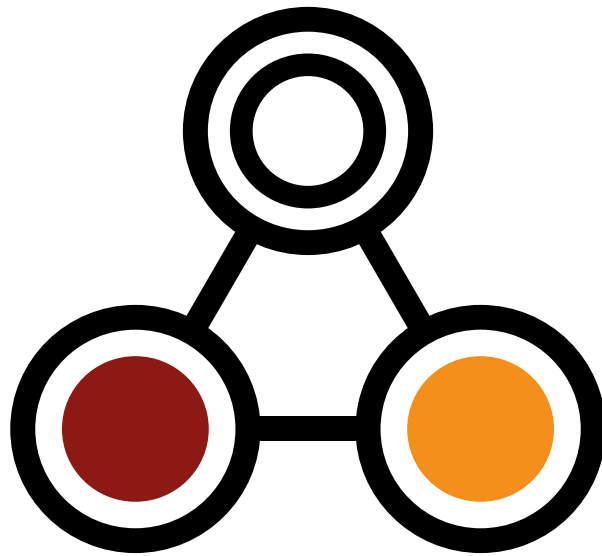




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