

Suhr[®]

BELLA[™]
&
BELLA REVERB[™]
USER GUIDE



IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions
2. Keep these instructions
3. Heed all warnings
4. Follow all instructions
5. Do not use this apparatus near water
6. Clean only with dry cloth
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat
9. Protect the power cord from being walked on or pinched particularly at plugs and the point where they exit from the apparatus
10. Unplug this apparatus during lightning storms or when unused for long periods of time
11. 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 on, objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
12. **CAUTION:** To disconnect the unit completely from the MAINS, unplug the unit. Turning the power switch off does not disconnect the unit completely from the MAINS.
13. The unit shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the unit.





Thank you for purchasing the **Suhr Bella** amplifier. Please take the time to read through this guide to familiarize yourself with its many features and applications.

OVERVIEW

Bella is a portable, American voiced, hand-wired, all-tube amplifier. Bella is designed to be the ideal grab-n-go amplifier and the ultimate platform for your pedalboard. Bella's simple and easy to use controls (including Boost and 3-position Bright switch) make it a snap to tailor the amp to your favorite boost, overdrive, fuzz and distortion pedals; while the effects loop is the ideal place for all of your chorus, flange, delay and reverb pedals.

The optional Tube-Driven Spring Reverb circuit was painstakingly designed to offer players the ultimate reverb experience without coloring or altering the sound of Bella or your instrument's natural tone.

Bella is powered by a duet of 6L6GC power tubes that deliver either 22 or 44 Watts of Class A/B power.

FRONT PANEL

POWERING INSTRUCTIONS

With the Power Select Switch in the Off position and the Standby/Wattage Switch in the middle (Standby), flip the power switch to the On position. Wait sixty seconds and then flip the Standby/Wattage Switch to the desired power (22W/44W) position.

To power down, simply flip the Standby/Wattage Switch to the middle position and then flip power switch to the Off position.

POWER SELECT SWITCH

ON: Power is switched On

OFF: Power is switched Off

STANDBY/WATTAGE SWITCH

44W: At this setting Bella provides 44 Watts of power.

Middle: Off, standby operation

22W: At this setting Bella provides 22 Watts of power.

INPUT

Use this jack to connect your guitar to Bella.

BOOST (2-Position)

This 2-position switch varies Bella's input gain stage via the front panel or the footswitch jack located on the back of the amplifier.

- **Down Position/Off:** No Boost
- **Up Position/On:** Provides +6dB of boost at the first stage.

BRIGHT (3-Position)

Whether you are plugging straight in, or using your favorite pedals, Bella's 3-position bright switch is designed to accommodate a variety of signal path set-ups.

- In the down position: the Bright switch is out of the circuit.
- In the middle position: Bella introduces a modest amount of brightness that brings out the guitar's upper frequencies.
- If you desire an organic chimy tone, set Bella's Bright switch to the up position. This position naturally opens up the top-end, allowing all of your guitar's higher frequencies to shine through.

NOTE: Setting Bella's Volume control to 10, bypasses the Bright switch.

VOLUME

Bella's volume control adjusts both output and preamp gain levels. At higher settings this control changes Bella's breakup characteristics.

- At settings between 1-6, Bella provides pure clean tones, with a nice round low-end and plenty of sustain - ideal for a variety of Jazz, R&B and Pop playing styles.
- At settings between 7-10, Bella retains a tight punchy low-end while adding a bit of bark to the mids while introducing sparkle to the top-end - great for churning out some down home Country rhythm playing.



EQ OVERVIEW

Bella's tone shaping is accomplished via a modified passive tone network in which each control works independently to provide a extended range of tonal variations.

TREBLE

Turning the treble control clockwise increases the amount of high frequencies, which add clarity and definition. Turning it counter-clockwise produces a warm, Jazzy tone.

BASS

Turning Bella's bass control clockwise increases the amount of lows, adding body and fullness to your tone without losing low-end definition, unlike traditional American voiced amplifiers. Turning it counter-clockwise reduces bass resulting in a tighter, more defined bottom-end.

NOTE: Setting this control past 7 creates a slightly scooped, thicker tone that works great with T-style guitars.

PRESENCE

This adjusts the amount of upper mid frequencies added to Bella's power section. Turning it clockwise will increase definition and sparkle. Turning it counterclockwise will decrease it's emphasis, producing a warmer tone.

REVERB (on Bella Reverb)

This adjusts the amount of reverb. Turn clockwise to increase the ammount of reverb.





BACK PANEL

MAINS INPUT

Connect the supplied AC cable to this inlet to supply power to Bella.

MAINS FUSE

T2A/250V (Slo-Blo) - 100/120VAC

T1A/250V (Slo-Blo) - 230/240VAC

H.T. FUSE

F.5A/250V (Fast-Blo)

SPEAKER IMPEDANCE SELECTOR

Selects the speaker load 2Ω, 4Ω and 8Ω.

Set the selector to match the total load of the internal and parallel External Speakers.

NOTE: Always set to 8Ω when only using Bella's internal speaker.

EXTERNAL SPEAKER OUTPUTS

These two speaker outputs are wired in parallel with the internal speaker.

IMPORTANT: To avoid damage to your amplifier, do not operate without a speaker or suitable load. Doing so will void your warranty.

EFFECTS LOOP

Bella's is equipped with a full-featured, all-tube series effects loop which performs equally well with pedals and line-level rack gear via the loop's independent send and return controls.

SEND JACK

Use this jack to connect the input of your effects device or chain to Bella.

SEND LEVEL

To set the Send Level, turn this control to 4 and adjust the input level of the effect device (if available) to avoid clipping.

4-6 is normal for line level (rack effect devices)

3-5 is normal for instrument level (stompboxes)

NOTE: The send is always active.

RETURN JACK

Use this jack to connect the output of your effects device or chain to Bella.

RETURN LEVEL

To set the Return Level, turn this control to 4 and adjust the output level of the effect device (if available) until your signal is equal or at unity gain.

NOTE: To check for unity gain, switch Bella's loop in and out to compare the levels. Ideally, there should be no difference between when the loop is engaged or bypassed.

BOOST

Bella's Boost feature can be accessed remotely via a standard latching/On/Off style footswitch or control function device.

Please Note: Connecting this jack to an external switching source will override Bella's Boost Switch located on the front panel.

SAMPLE SETTINGS

WARM CLEAN



FAT TWANG



PEDAL CLEAN



PUSHED CLEAN



EASY BREAKUP



SPECIFICATIONS*

Channel: Single

Output: 22/44 Watts

Tubes: 2x6L6GC(Power Section), 3x12AX7(Pre-amp, Effects Loop, and Phase Inverter)
1x12AX7 (Reverb , Reverb model)

Mains Fuse

T2A/250V (Slo-Blo) - 100/120VAC

T1A/250V (Slo-Blo) - 230/240VAC

H.T. Fuse

F.5A/250V (Fast-Blo)

Front Panel: Input, Boost Switch (2-Position), Bright Switch (3-Position), Volume, Treble, and Presence, Standby/Wattage Selector Switch (44w/Standby/22w), Reverb Level (On Bella Reverb Model) and On/Off Power Switch

Back Panel: Mains Input Inlet, Mains Fuse, H.T. Fuse, Speaker Impedance Selector: (2Ω, 4Ω, & 8Ω), 2-External Speaker Outputs, Effects Loop Return Level, Return and Send Jacks, Send Level, In/Out Switch and Boost Footswitch Jack.

Dimensions: 24" (W) x 9.90" (D) x 19.50" (H)

Weight: 50.8 lbs.

**All specifications subject to change without prior notice.*

SUHR.COM

WARRANTY FOR SUHR AMPLIFIERS AND ELECTRONIC PRODUCTS

JST warrants for lifetime from date of purchase by the initial retail purchaser that this product shall be free from defects in workmanship. Electronic components such as capacitors, resistors, filters, transformers, jacks, and pots are covered for 5 years. Any parts determined defective by JST within the five (5) year term shall be repaired or replaced by JST without charge for parts and labor provided the unit is returned, transportation costs prepaid, to JS Technologies, Inc., 601 Crane Street, Unit A & B, Lake Elsinore, CA 92530, or to such facility authorized by JST. JST will pay shipping costs to return the unit to its owner. Defects in workmanship will be determined by JST for limited lifetime coverage.

This warranty does not cover damage caused by accident, misuse, abuse, neglect, unauthorized or improperly performed repairs, alterations, and/or wear and tear occasioned by use of the product, and does not include any expense or inconvenience or loss of use while the product is being repaired or replaced. JST expressly disclaims any liability for consequential damages arising from the sale, use, or inability to use the product. Any warranty implied by law, including any warranty of merchantability or fitness, is expressly limited to the one (5) year warranty term for the parts on our amplifiers and electronic products. The foregoing statements of warranty are exclusive and in lieu of all other remedies. Workmanship lifetime warranty is limited strictly to the original retail purchase of the instrument registered with JST within 10 days of purchase from an authorized JST dealer or distributor. JST will pay shipping costs to return the unit to its owner within the mainland U.S.

The above warranty policy only applies to customers in USA. If you are an international customer, please check with your distributor and the dealer in your country for warranty matters. Warranty issues must be handled through your dealer or distributor. If you are an international customer who purchased (or plan to purchase) from a US dealer, we can handle warranty matters direct but you will be responsible for shipping both ways. We encourage international customers to purchase through your local distributor or dealer for this reason. Our international distributors are setup to handle warranty issues in their respective countries. If you do not have an authorized Suhr dealer in your country, please contact us direct for further details.