



***Burson Soloist Stellar (S-220)***

***Headphone Amplifier / Pre-Amplifier***

***User Manual***

*Please register your product for warranty coverage. Refer to page 12 for details.*



## ***Thank You***

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Everyone at Burson Audio would like to thank you and congratulate you on choosing the Burson Soloist Stellar. We believe you have made an excellent choice, and we are confident it will provide many years of musical enjoyment.

Before powering on your new Soloist Stellar, we recommend taking a few moments to familiarise yourself with its features and operation. Reading this manual will help you achieve the best performance and ensure safe operation from the very beginning.



## ***Our Philosophy***

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The less audio equipment interferes with the music, the greater the sense of purity and musical enjoyment. This principle has been at the core of Burson Audio's design philosophy since 1996.

When equipment is honest and transparent, tempo, dynamics, and tonal balance emerge naturally from the music itself, making artificial "flavouring" unnecessary. We believe this ideal cannot be achieved through standard circuitry building blocks such as IC op-amps, integrated regulators, or off-the-shelf transformers.

Instead, we pursue this goal through the research and development of customised solid-state circuits designed specifically for our applications, with every component pushed to its performance peak. Only then can the final result truly reflect our philosophy and standards.

***Team Burson***



## ***Unpacking***

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After carefully unpacking your Burson Soloist Stellar, inspect the unit for any signs of shipping damage. If damage is found, contact your dealer immediately. Do not power on the unit if shipping damage is present.

Please retain all original packing materials so the unit can be safely and securely transported if required in the future.



## ***The Package***

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- Soloist Stellar Headphone Amp / Pre Amp
- External Power Supply 24V 5A
- Remote control unit (optional)
- Hex Key / Spare Fuse / Spare IC opamps for troubleshooting



## Basic Setup

### Four Easy Steps to Setup Your Burson

1



Scan this QR code or visit the link below to download your user manual and warranty registration instructions:

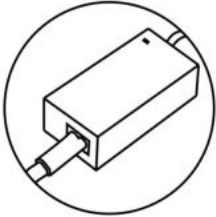
[www.bursonaudio.com/downloads/](http://www.bursonaudio.com/downloads/)

2



Plug the 24V barrel plug into the Burson.

3

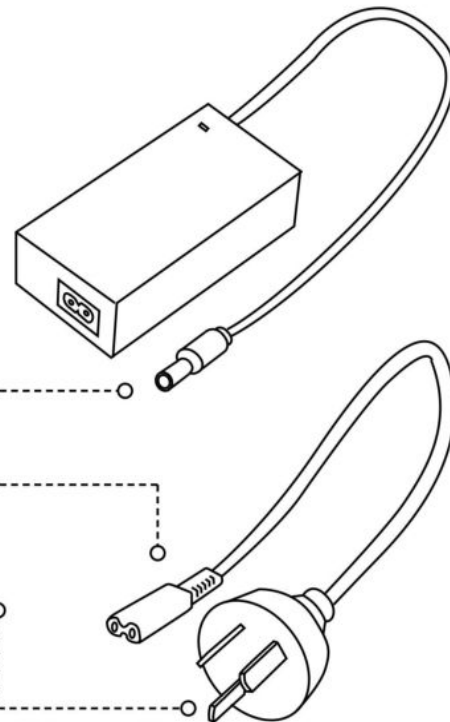


Connect the figure 8 power cable to the power supply.

4



Plug the power cable into your wall socket and power up your Burson.





## ***XLR to RCA Output***

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To achieve optimal sonic performance, the Soloist Stellar's XLR outputs are direct-coupled. This means there are no coupling capacitors or transformers in the audio signal path.

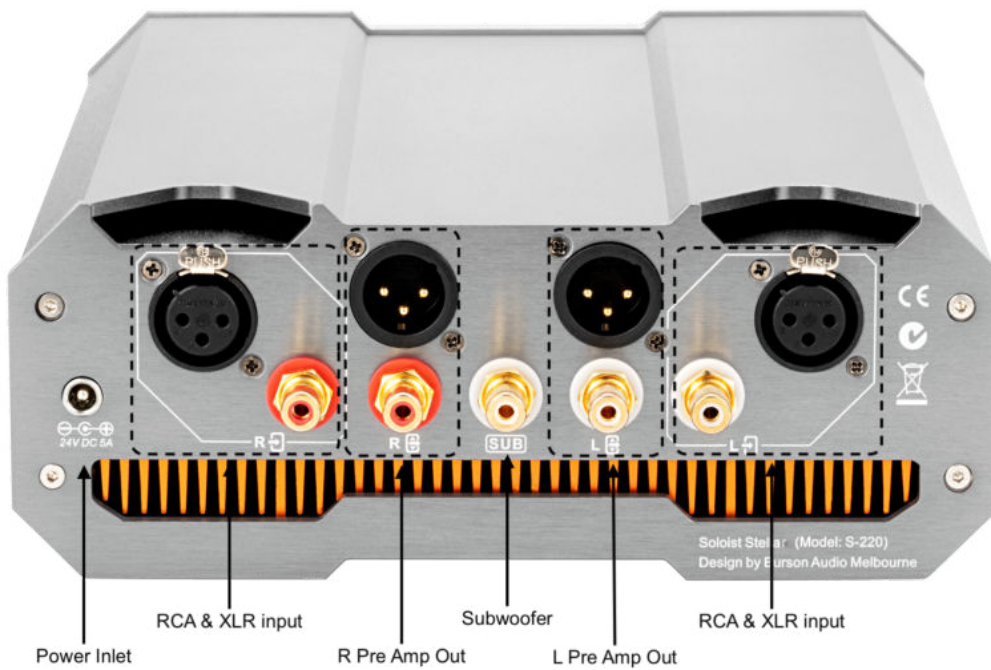
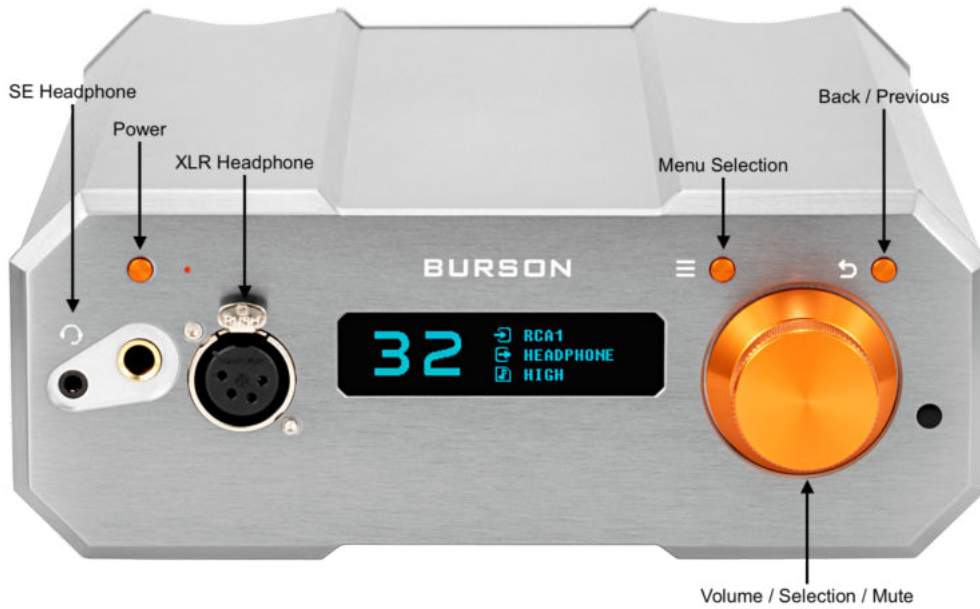
Direct-coupled outputs are **not compatible** with standard off-the-shelf XLR-to-RCA adaptors like those shown below. Never use these adaptors. Connecting the Soloist Stellar to a single-ended amplifier with RCA inputs using such adaptors will damage the internal op-amps and will void the warranty.

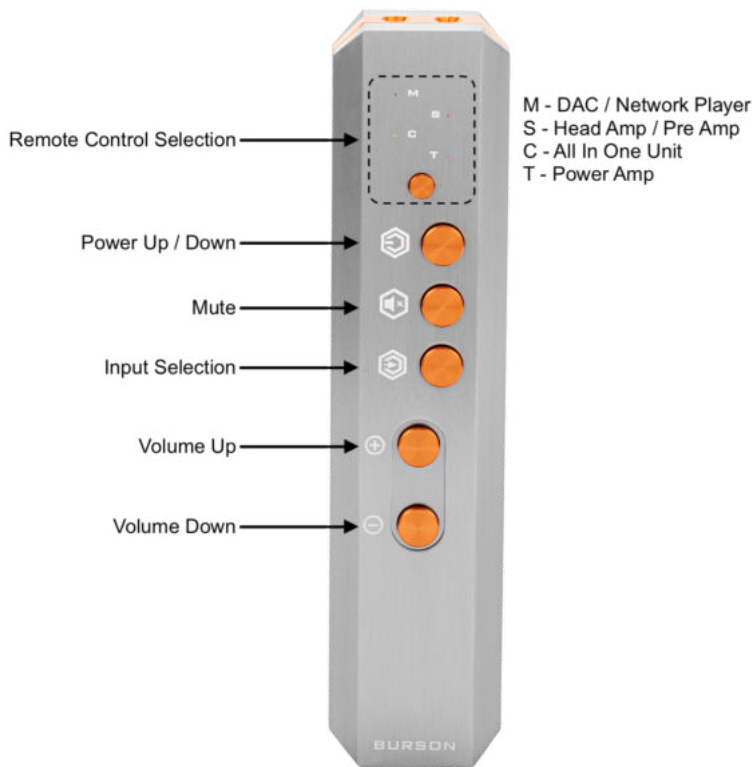


Only use the custom-made, Burson-marked XLR-to-RCA adaptors supplied in the accessories box when connecting the Soloist Stellar's XLR outputs to downstream amplifiers with RCA inputs.



## Connections





## ***Break-in, Warm-up and Caring***

The sound of the Burson Soloist Stellar improves steadily within minutes of powering on. Depending on system resolution and listening sensitivity, further refinement may continue over the first few weeks of operation.

Never connect or disconnect RCA or XLR output cables while the unit is powered on or while music is playing. Always stop playback and power down the system before changing connections to prevent potential damage.



## Menu Items

The menu system allows quick access to input selection, output configuration, and system settings.

Menu	Options	Comments
Input	RCA 1	Line level input at 2V RCA
	XLR 1*	Line level input at 4V+ XLR
Output	Headphone*	Headphone Amp output only
	IEM	1W@XLR / 0.5W@SE pc
	Pre Amp Out	Pre Amp output only
	Headphone + Subwoofer	Headphone + Subwoofer output (no Pre-Amp)
<b>Setting</b>		
HP LVL	High*	Full power Head Amp 8W@XLR / 4W@SE)
	Low	3W@XLR / 1.5W@SE
HP BAL SPK BAL	L/R Channel 0* - 20	20 steps of volume adjustment to the left or right channel. HP = Headphone Output. SPK = Pre Amp Output
OLED LVL	HIGH / LOW*	Display Brightness
REMOTE	ON* / OFF	Enable/disable the remote control function. This only applies when using multiple Burson Audio devices in a setup.
AUTO OFF	Off* / On	To comply with EU energy-saving regulations, the Soloist sleeps after 20 minutes of idling. This feature can be manually turned off from the menu.
RESET ALL	No* / Yes	Reset all settings to the default factory settings.

(\*)= Default factory setting.



## Changing Menu Items

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- Press the **Menu** button to enter the menu.
- Rotate the **Volume** dial to scroll through menu items.
- Press the **Volume** dial to select an item.
- Rotate and press the dial to adjust available options.
- Press the **Menu** button again to confirm and exit.

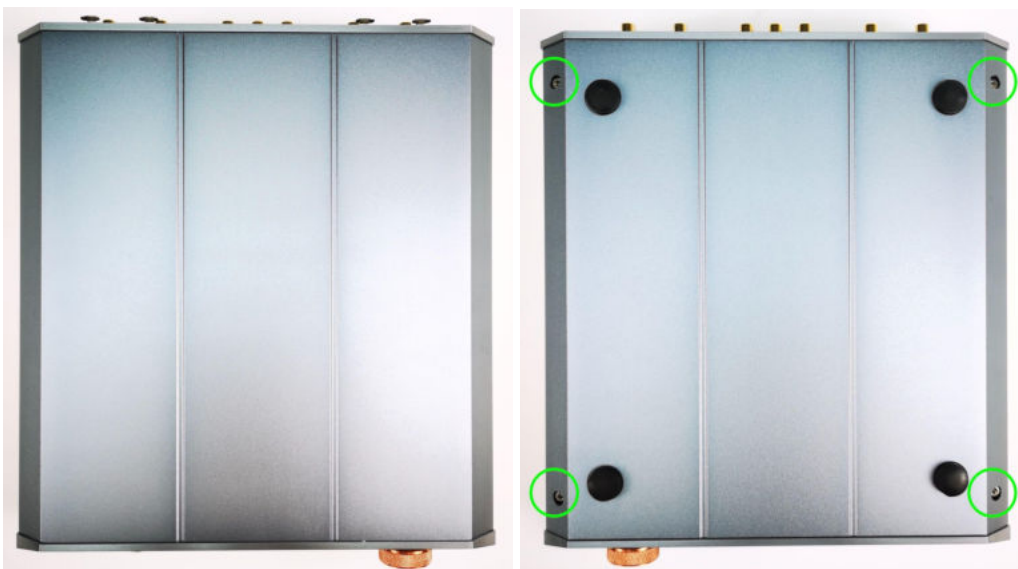


## Opamp Upgrade

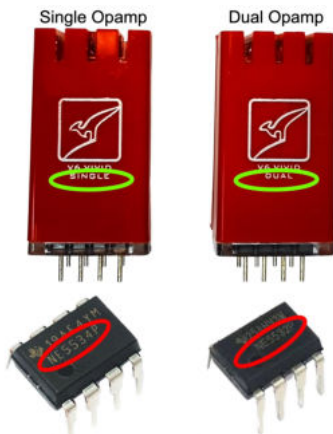
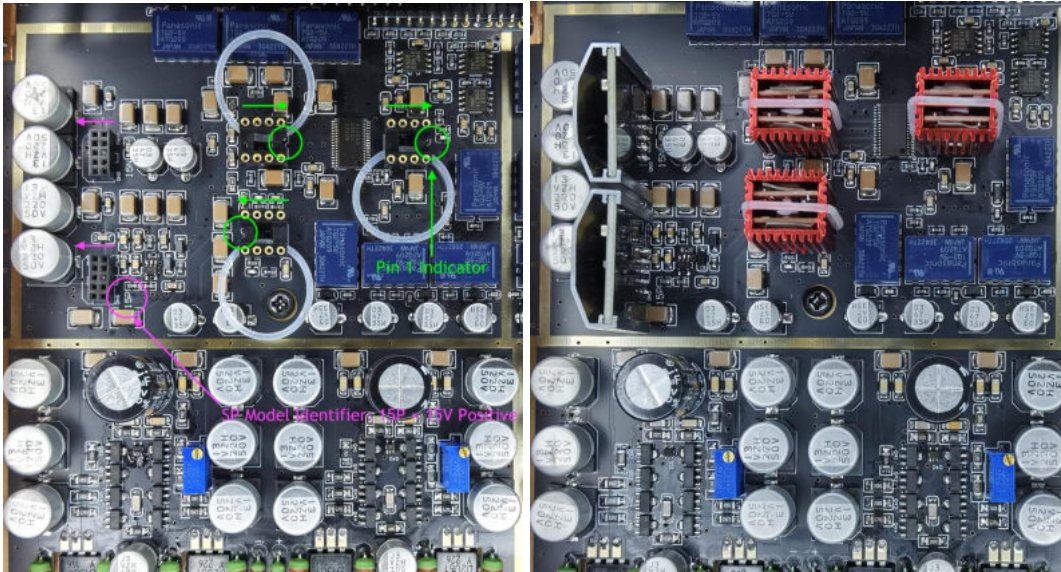
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Upgrading op-amps can further enhance performance. This procedure should only be carried out by experienced users.

**Step 1:** Ensure the unit is powered off and disconnected from the mains before opening the chassis.

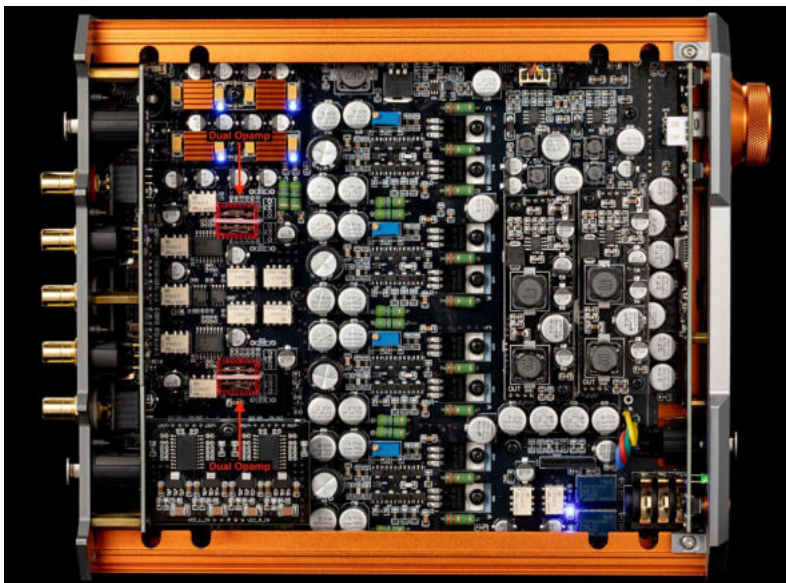


**Step 2:** Single and dual op-amps are not interchangeable. Refer to the layout diagram to confirm the correct type and quantity for your unit.



**Step 3:** Op-amps are polarity-sensitive. Align the pin-1 indicator on the op-amp with the half-moon marking on the socket before insertion. Incorrect orientation may cause immediate damage.

**Important Note:** Audio circuits contain multiple gain stages (I/V, low-pass, buffer, etc.). When upgrading, replace all op-amps within the same stage simultaneously to ensure consistent performance and reliability.





## ***Silent Power Module Upgrade***

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Silent Power (SP) Modules further reduce noise and enhance overall performance.

When upgrading SP modules, refer to the diagram or photograph the original configuration before removal to ensure correct placement.

Chipset	Noise Spec (10Hz to 100kHz)	Output Voltage	Model
LT1963	40 $\mu$ VRMS	+15V	SP1-15P
LT3015	30 $\mu$ VRMS	-15V	SP1-15N
LT1963	40 $\mu$ VRMS	+5V	SP1-05P
LT1963	40 $\mu$ VRMS	+3.3V	SP1-03P
LT3045	0.8 $\mu$ VRMS	+15V	SP2-15P
LT3094	0.8 $\mu$ VRMS	-15V	SP2-15N
LT3045	0.8 $\mu$ VRMS	+5V	SP2-05P
LT3045	0.8 $\mu$ VRMS	+3.3V	SP2-03P



## ***Fail-safes***

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For protection, the Soloist Stellar will automatically enter sleep mode if the cooling fan is disconnected, fails, or if the top cover is removed.

Before reinstalling the top cover, ensure no cables or objects obstruct the proximity sensor.



## ***Maintenance***

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If dust accumulates inside the unit, cleaning may be required. Please contact Burson Audio support for detailed instructions. Do not attempt internal cleaning without guidance.



## ***The Initial Powering up***

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Ensure the volume control is set to minimum before first use. Always power on source devices first and power amplifiers last. Reverse this sequence when powering down.

To select an input, rotate the **Volume** dial until the desired source is displayed, then press the dial to confirm.



## ***Free Warranty Extension***

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All Burson Audio products are covered by 24 months + 12 months of warranty (See conditions below).

<https://www.bursonaudio.com/warranty/>.



## **Warranty Conditions**

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Burson Audio warrants that this product is free from defects in materials and workmanship during the warranty period, which begins on the date of purchase.

1. This warranty is non-transferable.
2. The product is warranted only in the country of original sale by Burson or an authorised dealer.
3. Any unauthorised modification immediately voids the warranty.
4. The product must not be exposed to moisture, water, or corrosive environments.
5. Burson will repair or replace a defective unit with a comparable product at no cost for parts, labour, or return shipping.
6. Burson is not liable for incidental or consequential damages, loss of use, or damage to other equipment, within the limits of Australian law.
7. USB compatibility depends on third-party driver support and cannot be guaranteed indefinitely.
8. Use of non-approved XLR-to-RCA adaptors voids the warranty.



Warranty Registration