



**Burson Timekeeper Voyager (V-400)  
Monoblock Speaker Amplifiers**

**User Manual**

*Register for warranty Ref. page 9 for details*



## ***Thank You.***

Everyone at Burson Audio wants to say a big thank you and congratulations for buying the Burson Timekeeper Voyager. We truly think it's a smart choice and that it will give you many years of enjoyment and satisfaction from music.

We know you're excited to start using it, but we suggest getting to know everything your new Burson Timekeeper Voyager can do first. Please take a moment to read through the manual before turning the device on.



## ***Our Philosophy***

The less the equipment tampers with the music, the greater the purity and musical enjoyment become. This has been the core design philosophy of Burson Audio since 1996. If the equipment is honest and transparent, then the tempo, dynamics and tone will materialize as a natural expression of the music and it becomes unnecessary to 'flavor' the original sound. We believe that this ideal can never be achieved through the use of standard circuitry building blocks such as opamps, IC regulators or even standard transformers. Instead, we work towards this ideal through the research and development of customized solid-state circuitries that are developed specifically to suit our applications, with each and every component be pushed to their performance peak. Only then will the end result be consistent with our philosophy and standards.

***Team Burson***



## ***Unpacking***

After carefully unpacking your Burson Timekeeper Voyager, inspect for any shipping damage and call your dealer immediately if any is found. Do not power on your Burson Timekeeper Voyager if you find shipping damage. Please save all packing materials so the unit can be quickly and safely shipped if the need arises.



## ***The Package***

- Timekeeper Voyager Power Amp X 2
- External Power Supply 32V 6.5A X 2
- Hex Key / Spare Fuse / Spare IC opamps for troubleshooting



## Basic Setup

### Four Easy Steps to Setup Your Burson

①



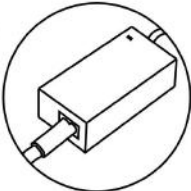
Scan this QR code or visit the link below to download your user manual and warranty registration instructions:  
[www.bursonaudio.com/downloads/](http://www.bursonaudio.com/downloads/)

②



Plug the 24V barrel plug into the Burson.

③

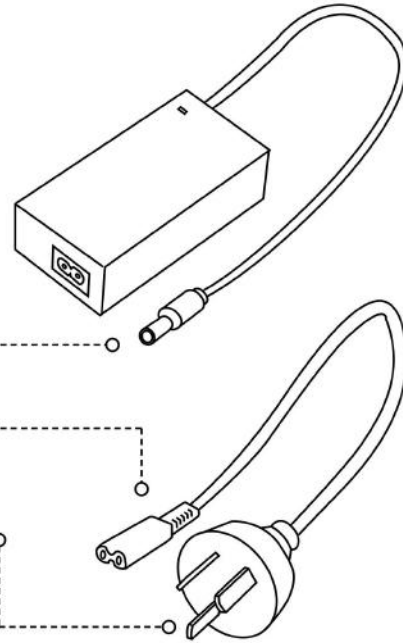


Connect the figure 8 power cable to the power supply.

④



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





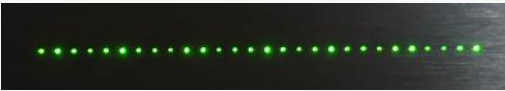



## Connections





## Indicator Status

Indicator	Colour	Options
	Light Blue	XLR (Input buffer on with 6dB gain)
	Blue*	XLR (Input buffer off)
	Green	RCA (Input buffer on with 6dB gain)
	Red	RCA (Input buffer off)

(\*)= Default factory setting.



## Input Buffer Selection

The input buffer is designed to optimise the signal from upstream devices to the Timekeeper by lowering its impedance. If your upstream device is USB-powered or operates at low voltage, such as a streamer (powered by a wall adapter) or a PC, it is recommended to enable the Buffer ON setting.

For upstream devices that are full-sized audio equipment with internal power supplies, such as tube preamps or DACs, you may opt for the Buffer OFF setting. However, feel free to experiment with the Buffer ON option, as it will not cause any harm to your system and may enhance dynamic performance by improving signal matching within your setup.



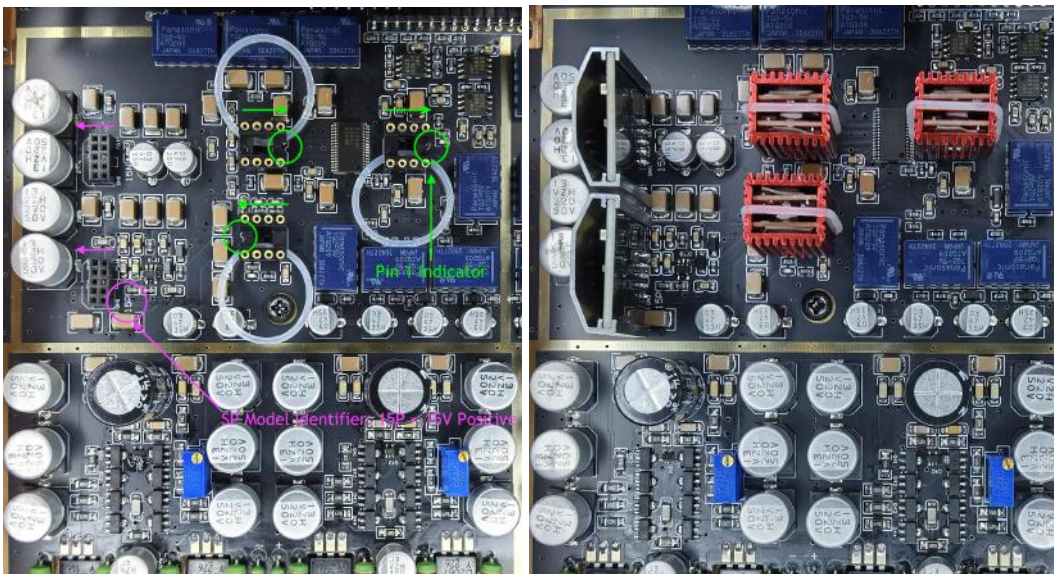
## Opamp Upgrade

To enhance the performance of your Burson device by upgrading the opamp, kindly adhere to the following three simple steps:

Step 1: Prior to changing opamps, ensure that the amplifier is not powered. Safely disconnect the power cable from the back of the unit before proceeding to open the device and make any modifications to its internal circuitry board.



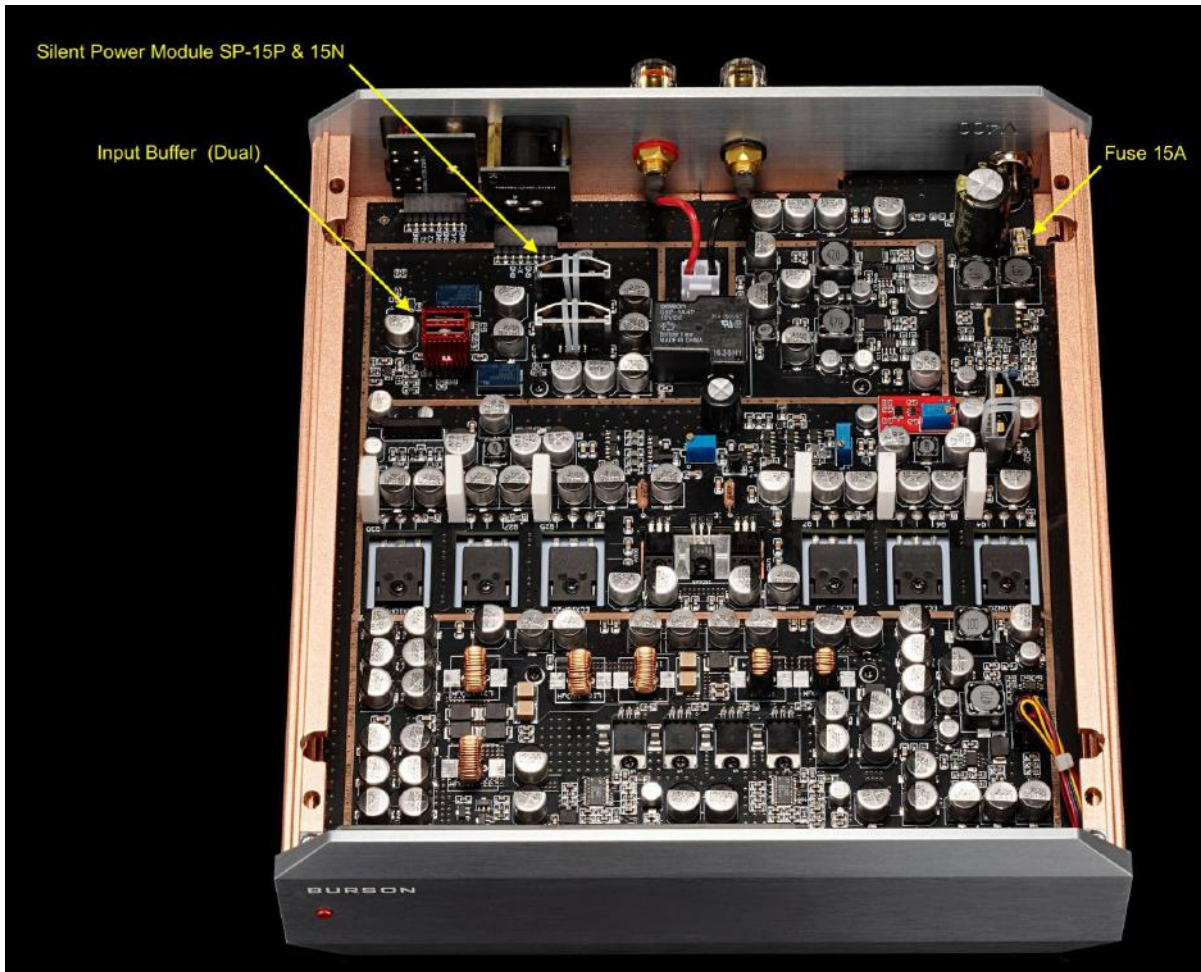
Step 2: It is crucial to note that Dual and Single opamps are distinct and cannot be interchanged. Please refer to the provided layout diagram to determine the number and type of opamps required for your specific machine configuration.



Step 3: Exercise caution while handling opamps, as they are sensitive to polarity. Plugging them in the wrong orientation can result in immediate damage. Identify the pin 1 indicator on the opamp as well as the corresponding half-moon cut on the opamp socket. Before inserting the new opamp, ensure that you have the correct orientation.

**Extra Consideration:** It is essential to recognise that DACs and amplifiers consist of different gain stages, such as the I/V stage, L/P stage, buffer stage, and more. When

upgrading opamps, it is advisable to replace all opamps within the same stage simultaneously. For instance, if your I/V stage currently contains two NE5532 dual opamps and you intend to upgrade them to Burson duals, it is recommended that both NE5532 opamps be replaced at once. This approach ensures the safest and most effective upgrade of your opamps.



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

Upgrading the SP modules even further enhances the performance of Burson products.

The table below shows our variety of SP modules:

When upgrading SP modules, please refer to our diagram or take photos of the default modules so you know where each module should be placed.

1. Identify the correct module you need for your unit. (Refer to the diagram above)
2. Look at the models already installed and compare them to the table below.

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**

If the fan is disconnected from the motherboard, if the cooling fan fails, or if the Timekeeper's top cover is removed, it will automatically go into sleep mode.

Before closing the top cover, please also ensure that cables or other objects do not obstruct the proximity sensor.



## **Maintenance**

Cleaning the Timekeeper may be required if dust accumulates inside.

Please contact our service team to obtain detailed instructions on how to do this.



## **The Initial Powering up**

Make sure volume control in your system has been turned to minimal when using your Timekeeper Voyager for the first time. Always power on your source machine first and your power amp last. When powering down your system reverse these steps.



## **Free Warranty Extension**

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

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



## **Warranty Conditions**

Burson Audio warrants that this product shall be free from defects in materials and workmanship for The warranty period begins at the date of sale and is subject to the following requirements and understandings:

1. This is a non-transferable warranty.
2. This product is only warranted in the country of original sale by Burson / authorised dealer.
3. The product must not have been modified in any manner whatsoever, or the warranty is immediately voided.
4. The product must not have been stored in a humid, damp environment; nor subjected to weather, water, or salt spray.
5. During the warranty period, Burson will replace a defective Burson Timekeeper with a similar available product, at no cost to the owner for labour, materials, and shipping charges from Burson.
6. Burson shall not, under any circumstances, be liable for any incidental or consequential damages arising from the loss of property or other damage or losses due to the failure of a Burson Timekeeper. Burson will not pay for loss of use or inconvenience caused by the failure of a Burson Timekeeper. Burson will not pay for damage caused to other audio components caused by the failure of the Burson Timekeeper 3 within the limits allowed by Australian Law.
7. The compatibility between our USB receiver and your computer is dependent on software drivers provided to Burson by the USB chip manufacturer. Therefore Burson cannot guarantee the compatibility of our USB receiver during or after the warranty period.
8. The use of XLR to RCA adaptors will void the warranty.



Warranty Registration