

WYRED 4 SOUND

mINT



Mini-Integrated Owner's Manual

****IMPORTANT****

Check position of voltage mains switch prior to connecting the unit to power.

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Register Your Product!

It is very important to complete the warranty registration form located on our website. You **MUST** complete and submit the form within 30 days of purchase to activate your warranty. When you navigate to our website there is a tab called “Register Products” that will allow you to fill out and submit the form.

****Keep your packaging! It is custom made for your unit and will effectively protect it for possible future use.****

Important

Please read the entire manual before connecting this product to any existing components or power. This manual contains detailed information regarding the design, operation and features of the Wyred 4 Sound mINT. Damage due to misuse or improperly following instructions will not be covered under warranty. See “Warranty” for an in depth understanding of the warranty restrictions regarding this product.

****Caution****

The mINT has an external voltage mains switch that must be properly configured before connecting it to power. Any damage as a result of failure to set the switch properly is not covered under warranty. Please refer to the appropriate section in the manual for the fuse value and configuration instructions.

Unpack carefully

The mINT packaging contains:

- 1 – Owners Manual
- 1 – 6’ AC Power Cable
- 1 – mINT stereo integrated amplifier
- 1 – Remote control
- 2 – AAA Batteries

Introduction

Thank you for purchasing the Wyred 4 Sound mINT. This compact integrated amplifier is a very versatile unit that will fit well in many systems for years to come. Extensive amounts of time and engineering have been applied to produce remarkable performance and a noteworthy feature set in a chassis smaller than the average DAC.

The transparent nature of a Wyred 4 Sound product is able to reproduce your favorite recording with an abundance of detail and clarity. The internal circuits and components are carefully selected and designed to reproduce this W4S sonic signature. Nothing is better than having colorless power behind your music!

We understand that there are many other products on the market which have similar features and internal parts. It is important to understand that it is what you do with those parts and the circuits around them to define the products performance, sonics and uniqueness. We design and manufacture our products in the USA yet still offer value comparable to those produced in regions where manufacturing is much less costly. Aside from great sonic performance, build quality and customer service are on the top of our priority list.

Design and Feature Overview

The mINT chassis was designed around the internal components. Its physical size could not have been any smaller! In the brainstorming stage of this project EJ Sarmiento set out to create a unit that pushed the envelope in terms of size, performance, features, and value. At times when the feature set was discussed we couldn't help but laugh about the versatility that this sleek box would provide with a footprint slightly larger than a DVD case. After all, our economy is not as strong as it was ten years ago and an affordable, small integrated amp with a built in DAC and head phone amp just makes sense.

There are many reasons why this mini integrated amplifier is unique. To start with, the volume control in the mINT is a true-resistive ladder which results in linear control, excellent channel matching, and impressive sonic quality. It was no simple task to attain these qualities using the one-turn analog pot on the mINT, so it was necessary to step outside of the box. Rather than passing the signal through the pot, it is only used as a position reference. A soft ramp feature means that when powering the unit on/off or using the mute/un-mute it increases/decreases the volume at a pleasant rate. The mINT has a 12V DC trigger in and out as well as an external mains voltage switch.

Two analog inputs (Auxiliary 1 and 2) are side by side on the rear panel. An alternate function of Aux 2 is HT bypass (Home Theater bypass) and is activated via a push switch on the back. When HT is selected, the trigger in becomes one activation point for the HT mode. Aux Out (preamp output) will work very well to incorporate a powered subwoofer. In addition to the pre-out the mINT has a Fixed out that will typically be used to send a signal to a recording device or feed a signal to a second system. An alternate function of the Fixed out is a Main In feature that can be used with the preamp output to allow the insertion of a digital crossover or processor into the signal path. This feature can be selected by the “Fixed out/Main in” button located on the rear of the unit next to the HT Bypass selector.

Located top and center of the rear panel, you will find three digital inputs powered by an ESS DAC chip for an incredible experience when streaming your digital recordings. The S/PDIF inputs will support 24 bit 192kHz resolution files and the USB interface will support 24 bit 96kHz signals in asynchronous input. Each digital input can be connected to a different source and selected independently via the remote or input select buttons on the front.

A ¼” headphone jack is machined into the left had side of the front panel. When a headphone plug is inserted into the jack it will mute the other outputs (other than the Fixed outputs) regardless of the input selected or volume level. The performance of the built-in headphone amp is nothing short of impressive. Independent power supplies for exceptionally low channel crosstalk, low noise and an abundance of dynamic range make for true hi fidelity headphone experience.

Did you think we were done, Ha!, now the most important part! The final area of focus is the source of on-board amplification, after all it is an integrated amplifier! Utilizing two independent ICEpower™ modules, the mINT is capable of outputting 100wpc into 8 ohms and 170wpc into 4 ohms. As a result it will drive the majority of speakers on the market with ease.

AC Mains Voltage switch

Located on the left side of the rear panel is a Input mains Voltage switch. When changing the 2 position slider switch the mINT will need to be unplugged and powered down for at least 2 minutes. **It is very important to ensure that the slide switch is in the proper position which is down for 115V and up for 230V. Failure to do so will likely result in damaging the internal components and will not be covered under warranty.**

Fuse size 5x20mm Slow Blow / 115V 2.5A / 230V 2.0A

Getting connected

CAUTION: Disconnect the power cord or put the power switch in the “off” position before making any connections to your integrated amplifier to minimize the risk of electric shock and possible loudspeaker damage. Power your mINT “on” after all final connections have been made.

Each binding post is made of highly ductile “OFC” copper alloy. Both clamping nuts are built out of one piece, and offers excellent grip. All metallic surfaces offer a 24-carat gold-plating, and are non magnetic surfaces. The binding post will accept 4mm banana plugs, spades of 6 and 8mm, and crimped cable ends up to 10 AWG. The easiest connection is made with banana plugs, but be sure that you use the highest quality that you can find. Make sure that the banana plugs fit snugly into the terminals. Some inexpensive banana plugs can cause a highly resistive connection which can result in a noticeably higher distortion output to the connected speakers.

Powering your Integrated amplifier

In order to turn the mINT on the switch located on the rear must be in the “on” position. After a couple of seconds the green light surrounding the power button on the front will illuminate. Pressing the power button will turn the unit on and the light around the power button will switch to blue. It is only recommended to turn the integrated off with the switch on the back when you are connecting or disconnecting wires from the binding posts, experiencing electrical storms in the area, or perhaps leaving town for a long duration. To prevent power surges, we recommend using quality surge suppressor equipment. Turning the switch “off” on the rear of the unit will protect against surges and spikes should some occur without proper protection. The fuse is located above the IEC plug on the rear of the unit. It can be inspected by sliding the fuse holder (It has a symbol of a fuse on it) out.

“Break-in” period

The mini-integrated amplifier will deliver outstanding performance right out of the box. However, there will be improvements as it reaches the normal operating temperature and once all of the components have a chance to “settle in”. Our experience has shown that the mINT will improve during its’ initial 300 hours of music playback. After the first 100 hours of music playback, (not just being powered on) the unit will start to shed the initial “brightness” and somewhat harsh transitions. During the second 100 hours, the mINT will start to become more fluid, and smoother overall. The remaining 100 will not result in as substantial of improvements.

Front panel operation

The mINT is very simple to operate from the remote or front panel. A power button with an illuminated ring light is located on the lower right portion of the front panel. When the mINT is plugged in and the rear power switch is in the “on” position the ring light will be green. To turn the unit on press the power button on the front and the ring light will then change to blue.

There are 5 input select buttons on the front located on either side of the volume knob. To change inputs simply press desired input button or use the remote control to scroll through the inputs. The mute button is located on the front of the unit as well as the remote control and can be pressed at any time to silence the speaker outputs or the headphone output. The volume knob has a position indicator and with one turn the mINT can be adjusted from minimum to maximum output.

The LED brightness level can be adjusted by using the following procedure:

1. Put the unit in standby by pushing the power button located on the front panel. (Standby is indicated by a green illuminated ring light)
2. First press and hold the mute button in, and then power the unit on from standby by pressing the power button.
3. Once the unit is on you can release the mute button. Press the mute button to toggle through the brightness settings which will be previewed by the LED that is lit.
4. When you have found the setting that you prefer turn the unit off using the power button on the front to apply it.

Special note: Fixed Out/Main In and Aux 2/HT bypass are each selected by a 2 position switch. We will define “In position” as when the switch is pressed in and the button is nearly flush with the back of the unit. The “Out Position” will be defined as when the switch is in the extended position and not flush with the back of the unit

Aux 2/Home Theater Bypass

The mINT can be easily integrated into your Home Theater system when using the selectable HT bypass. The switch to activate HT bypass is located on the right side of the rear panel. When the switch is in the “out position”, Aux 2 is a standard analog input. When the 2 position switch is in the “in position” Aux 2 becomes the HT bypass input. If this is your desired function of the Aux 2 input it can be left in this position. When HT bypass is in use the signal from your processor (or equivalent device) will pass through the mINT at unity gain bypassing the volume

control. This allows you to use the volume of your processor to adjust the level of your whole system. **This is a configuration switch and must be set with the mINT powered completely off!**

Fixed Out/Main In

In cases where your speakers require a active crossover for bi or tri-amping, an integrated amplifier can make things interesting. It can be impossible to insert a active crossover into the signal path of most integrated amps. The flexibility of the mINT doesn't stop here. A selectable Main In feature has been incorporated to allow for just that! The main in feature is activated by selecting the "in position" on the 2 position switch located on the rear panel. The signal will now be output through the Aux out and should be routed to the passive crossover. The signal from the outputs of the crossover should then be routed to the Main In input on the mINT. The signal fed to the Main In input will then be fed to the amplifier.

The Fixed Out feature is activated by selecting the "out position" on the 2 position switch. If fixed out is selected the mINT can be used for recording or to feed a signal to another system. The fixed out is 2.0V. **This is a configuration switch and must be set with the mINT powered completely off!**

DC Trigger

Near the middle of the rear panel is a 12V DC trigger in and out. If the HT bypass is not active the trigger In will turn the unit on from a standby state (illuminated green around the power button) and it will default to that last used input. When HT bypass is active the trigger in will power the mINT on directly to the Aux 2 input (HT bypass). Trigger out will be active whenever the mINT is powered on. (Current Rating 20mA)

USB Configuration (MAC)

When connecting to Mac computers the USB interface automatically installs the drivers into the operating system. If you are using a PC, drivers are required for asynchronous operation and they are available for download on the Wyred 4 Sound website (<http://www.wyred4sound.com/downloads.html>). Please refer to the next section regarding USB setup for PC. If you are using a Mac please follow these directions.

(Please note: This USB device currently does not support Mac OS 10.5 or earlier)

1. Connect a USB cable from the mINT to the computer (type: USB A to USB B) with the mINT and computer powered on.

2. The USB device should automatically start installing.
3. It is now necessary to select the mINT as the output device. Please locate the Audio Midi setup by following this directory: Go to Finder----> Applications----> Utilities----> Audio Midi setup. Once you have reached the Midi setup you will need to select the “24/96 Async USB Audio Sound” as the default output device and apply the setting. This can be done by clicking on the device listed above, followed by clicking the “gear” icon located at the bottom of the window. When you click the gear it will show a pop up window where “set default output device” can be selected.
4. Now you can open your preferred music playback program and find the preferences or options tab. Once you locate the output device, make sure the “24/96 Async USB Audio Sound” audio interface is selected. It is not necessary to select the mINT as the output device in programs such as iTunes, Amarra or BitPerfect.
5. The last step is easy.....Enjoy your music!

USB Configuration (PC)

You must first download the drivers which are required for asynchronous operation. They are available for download on the Wyred 4 Sound website (<http://www.wyred4sound.com/downloads.html>). The drivers can be emailed to you if necessary, request them by emailing support@wyred4sound.com. Please follow these steps to install the driver. Keep in mind that you can always ask for help if the following steps don't seem to apply to your system.

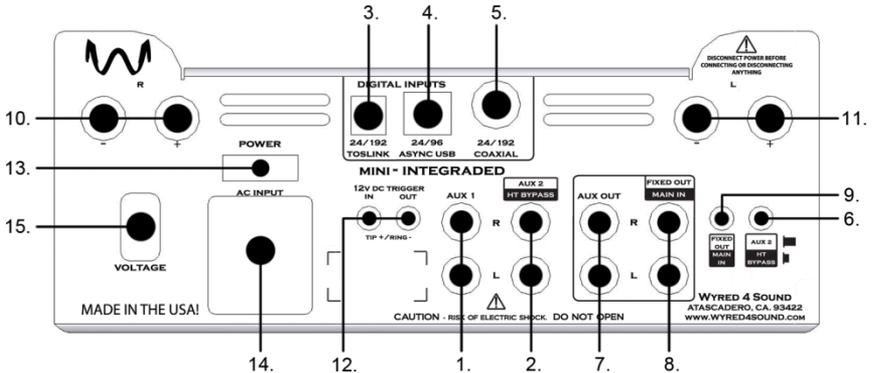
1. Navigate to the Wyred 4 Sound website downloads page.
<http://www.wyred4sound.com/downloads.html>
2. Locate the file titled “24/96 Asynchronous driver package” and click “download”.
3. Next click “Save” and be sure to note or specify the folder on your computer where the file will save to.
4. When the download is complete click “open”
5. Now double click the file titled “W4S2496AsynUsbAudioSetup”
6. Click “Setup Software” in the window that pops up.
7. Click “Next” to proceed with installation.
8. On the bottom of the new window, choose whether this should be installed for “Everyone” or “Just me” and click “Next”. (Typically “Everyone” will be the appropriate choice. If you have multiple user profiles on your computer and would prefer the driver to only be available when you are logged in, select “Just me”.)

9. Follow all prompts with-in the setup to continue the procedure. (Click “Next” two times) If you are asked to continue with non-Windows “signed” driver, please click continue installation.
10. Once the installation has finished, you will be see a window called “RegSvr32”, please click “Ok”. The installation has completed and the driver is ready to use. It will be necessary to restart the computer for proper operation.
11. Connect a USB cable from the mINT to the computer (type: USB A to USB B) with the mINT and computer powered on.
12. It is now necessary to select the “24/96 Async USB Audio Sound” interface as the default output device for your system. This option will be located in the “Control Panel” for your OS. After selecting the mINT as the output device it may be necessary to select the device in you preferred media player. Please refer to <http://www.wyred4sound.com/faq.html> for a detailed J. River setup guide.
13. The last step is easy.....Enjoy your music!

Back Panel Diagram

1. Aux 1: Input for analog source.
2. Aux 2: Input for analog source or Home Theater bypass when switch “#6” is set to the in position.
3. Toslink: Optical input for a digital source such as a TV, DVD player, Sonos, Airport express, CD player, etc.
4. Asynchronous USB: USB input for streaming music from a Mac or PC computer.
5. Coaxial: Input for a digital source such as a TV, DVD player, Sonos, Airport express, CD player, etc.
6. Pre-out or HT bypass selector switch.
7. Analog pre-out for connecting to a subwoofer, additional amp. etc.
8. Analog “Fixed out” or “Main In” selected by switch “#9”.
9. “Fixed Out” or “Main In” selector switch.
10. Right speaker outputs.
11. Left speaker outputs.
12. 12V DC Trigger: Used for turning the unit on from a standby state as well as powering on equipment with a compatible trigger input. (20mA max output)
13. Main On/Off power switch.
14. Fuse holder and AC power inlet.

15. 120V/230V Mains Voltage selector switch.



Troubleshooting

No sound?

If you have your input source and speakers connected, and you can't get music to play, check the following. Feel free to test for output at any time during this process if you find and correct a potential problem.

Always check the position of the volume knob before starting to play music. Damage to any equipment due to the volume being set to high is not covered under warranty.

1. Verify that the power cord is securely plugged into the wall and the mINT.
2. Check the switch on the rear to verify that it is in the on position. Make sure that the blue light is on around the power button and the proper input is selected. If the light around the power button is green, the power button will need to be pressed once to turn the integrated on.
3. Check the position of the volume knob. The point where sound will become audible varies with each system although it is typically around $\frac{1}{4}$ turn up (clockwise) from the lowest setting (all of the way counter-clockwise).
4. Put your ear next to the tweeter of your speaker and have someone turn your amplifier off then on again at the switch. You should barely hear a click when the amplifier is turned on and off.
5. If you can hear the amplifier turn on and off, but there still isn't any sound, make sure you are getting a signal to it. You may consider trying a different source.
6. If the input is in the proper position and you are confident that your source is sending a signal but have no sound, try inspecting or replacing your interconnects and speaker cables.

7. Verify that the interconnects are working by replacing them with a different set from a connection that you know works.

8. Now that you have interconnects that you know work, try connecting the amplifier to another source that you know has worked in the past.

If you are still experiencing problems and have exhausted your available resources and time please contact the dealer/distributor that you purchased the product from.

Got hum?

Is there too much hum coming out of your speakers? To clarify, if you put your ear right next to the tweeter of your speaker, it is normal to hear some level hiss. If the noise is easily heard at a distance, try putting your source on mute, or pause. If this eliminates the noise, it's inherent in the source. If your source doesn't disconnect the outputs when muted, and the noise still exists while muted, try disconnecting the inputs to the integrated amplifier. If the noise is still there when the inputs are disconnected, then your amplifier may need service. If the noise is not there when the inputs are disconnected, try putting a cheater plug (ground isolator) on one component at a time in order to locate the source of the ground loop. Once the source is located you can contact the manufacturer for further information regarding a solution. NOTE: We only recommend using a ground isolator for trouble shooting purposes, and should be removed after the problem has been found and resolved. Having the ground of any unit disconnected can potentially create a dangerous situation.

An easy way to locate a noisy component is to replicate the problem then start disconnecting components one at a time, starting with a source. **Digital cable boxes and satellite receivers are notorious for making ground loop hum.** This is normally caused by the potential difference on the input wire (shield side) for either of the boxes when referenced to ground. If this is the case in your system, the installation of an isolating transformer would be the easiest solution and are normally readily available at your local electronics parts store. A better solution is a power strip with grounded and surge protected F-connectors that you can pass a signal through.

Warranty coverage

Wyred 4 Sound's warranty obligations are limited to the terms set forth below:

Wyred 4 Sound, as defined below, warrants this Wyred 4 Sound-branded hardware product against defects in materials and workmanship under normal use for a period of **FIVE (5) YEARS from the date of retail purchase by the original end user purchaser** ("Warranty Period"). If the product has been transferred from the original owner to a second hand owner it has a **ONE (1) YEAR warranty, valid from the original date of purchase by the original owner.** **The remote control is covered for warranty replacement in the first year.** If a hardware defect arises and a valid claim is received within the Warranty Period, at its option, Wyred 4 Sound will either (1) repair the hardware defect at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. Wyred 4 Sound may option that you replace defective parts with new or refurbished user-installable parts that Wyred 4 Sound provides in fulfillment of its warranty obligation. A replacement product or part, including a user-installable part that has been installed in accordance with instructions provided by Wyred 4 Sound, assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Wyred 4 Sound's property. Parts provided by Wyred 4 Sound in fulfillment of its warranty obligation must be used in products for which warranty service is claimed. When a refund is given, the product for which the refund is provided must be returned to Wyred 4 Sound and becomes Wyred 4 Sound's property.

EXCLUSIONS AND LIMITATIONS

Wyred 4 Sound does not warrant that the operation of the product will be uninterrupted or error-free. Wyred 4 Sound is not responsible for damage arising from failure to follow instructions relating to the product's use. This warranty does not apply: (a) to damage caused by use with non-Wyred 4 Sound products; (b) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes; (c) to damage caused by operating the product outside the permitted or intended uses described by Wyred 4 Sound; (d) to damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of Wyred 4 Sound or a Wyred 4 Sound Authorized Service Provider; (e) to a product or part that has been modified to significantly alter functionality or capability without the written permission of Wyred 4 Sound; (f) if any Wyred 4 Sound serial number has been removed or defaced.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER

ORAL OR WRITTEN, STATUTORY, EXPRESS OR IMPLIED. AS PERMITTED BY APPLICABLE LAW, WYRED 4 SOUND SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, AND WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF WYRED 4 SOUND CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY AND TO REPAIR OR REPLACEMENT SERVICE AS DETERMINED BY WYRED 4 SOUND IN ITS SOLE DISCRETION EXCEPT AS PROVIDED IN THIS WARRANTY AND TO THE EXTENT PERMITTED BY LAW, WYRED 4 SOUND IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE; LOSS OF ACTUAL OR ANTICIPATED PROFITS (INCLUDING LOSS OF PROFITS ON CONTRACTS); LOSS OF THE USE OF MONEY; LOSS OF ANTICIPATED SAVINGS; LOSS OF BUSINESS; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; LOSS OF REPUTATION; LOSS OF, DAMAGE TO OR CORRUPTION OF DATA; OR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE HOWSOEVER CAUSED INCLUDING THE REPLACEMENT OF EQUIPMENT AND PROPERTY, ANY COSTS OF RECOVERING, PROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA STORED OR USED WITH WYRED 4 SOUND PRODUCTS AND ANY FAILURE TO MAINTAIN THE CONFIDENTIALITY OF DATA STORED ON THE PRODUCT. THE FOREGOING LIMITATION SHALL NOT APPLY TO DEATH OR PERSONAL INJURY CLAIMS. WYRED 4 SOUND DISCLAIMS ANY REPRESENTATION THAT IT WILL BE ABLE TO REPAIR ANY PRODUCT UNDER THIS WARRANTY.

Obtaining warranty service

Please access and review the resources referred to in the documentation accompanying this hardware product before requesting warranty service. If the product is still not functioning properly after making use of these resources, please contact the Wyred 4 Sound representatives or, if applicable, a Wyred 4 Sound Authorized Service Provider/dealer using the information provided on the Wyred 4 Sound website. A Wyred 4 Sound representative or Wyred 4 Sound Authorized Service Provider will help determine whether your product requires service and, if it does, will inform you how Wyred 4 Sound will provide it. Wyred 4 Sound or its Wyred 4 Sound Authorized Service Providers will provide warranty service on products that are tendered or presented for service during the Warranty Period, as permitted by law. **You may be responsible for delivery and return shipping and handling charges if the product cannot be serviced in the country it is in.** In accordance with applicable law, Wyred 4 Sound may require that you furnish proof of purchase details and/or comply with registration requirements before receiving warranty service. Please refer to the Service page on the Wyred 4 Sound website. For more details on this and other matters on obtaining warranty service contact your dealer. Recovery and reinstallation of system and application software and user data are not covered under this Limited Warranty.

Service

In the unlikely event there is a problem with your Wyred 4 Sound component, please contact your dealer, distributor, or Wyred 4 Sound to discuss the problem before you return the component to our manufacturing facility for repair. Products shipped to the factory will be refused and returned freight collect if not accompanied by a Wyred 4 Sound Service Department issued return authorization number (RA Number). Return authorization numbers must be prominently displayed on the outside of the box and an accompanying letter describing the problem and re-listing the RA number must be inside the box to qualify for service.

To contact the Wyred 4 Sound Service Department:

Telephone: 805-466-9973

Hours: M/TH 7:00 am to 4:30 pm; Friday 7:00am to 11:00am PST

Fax: 805-462-8962

Email: support@wyred4sound.com

Website: <http://www.wyred4sound.com>

If you are located in the United States and purchased direct use the following procedure:

1. Fill out the Service form at the following address:
<http://www.wyred4sound.com/Service.html>
2. If service is approved we will issue a Return Authorization Number (R/A number) and shipping address from the Wyred 4 Sound Service Department.
2. Insure and accept all liability for loss or damage to the product during shipment to the Wyred 4 Sound factory and ensure all freight (shipping) charges are prepaid.

The product may also be hand delivered to the California facility if arrangements with the Service Department have been made in advance. Proof of purchase from an authorized Wyred 4 Sound dealer, distributor or agent will be required for warranty validation at the time of hand delivery. Use the original packaging to ensure the safe transit of the product to the factory, dealer, or distributor. **Wyred 4 Sound may, at its discretion, return a product in new packaging and bill the owner for such packaging if the product received by Wyred 4 Sound was boxed in nonstandard packaging or if the original packaging was so damaged to the point it was unusable.** If Wyred 4 Sound determines that new packaging is required, the owner will be notified before the product is returned. To purchase additional packaging, please contact your authorized Wyred 4 Sound dealer, distributor, or the Wyred 4 Sound Service Department for assistance.

If you did not purchase the product directly from us and require service please contact your dealer or distributors' service department for information regarding service.

If you feel your authorized dealer or distributor is either unwilling or unable to service your Wyred 4 Sound products, please contact our service department support@wyred4sound.com or the above phone numbers to discuss and resolve the situation.

Specifications

Amplifier Stage

| | |
|--------------------------------------|-----------------|
| Typical THD+N 8 Ω (10W out) | 0.004% |
| | per channel |
| Power Output 8 Ω @ 0.2% THD+N | 102W |
| Power Output 8 Ω @ 1.0% THD+N | 111W |
| Power Output 4 Ω @ 0.2% THD+N | 170W |
| Power Output 4 Ω @ 1.0% THD+N | 187W |
| IMD (CCIF) | 0.0002% |
| Transient Intermodulation (TIM) | 0.003% |
| Output Idle Noise | < 70 μ V |
| Efficiency 4 Ω | 81% @ 170W |
| Efficiency 8 Ω | 80% @ 100W |
| Frequency Response 20Hz--20kHz | \pm 0.2db |
| Lower Bandwidth | 1.5Hz all loads |
| Dynamic Range | 119db |
| Gain | 0-33db |
| Sensitivity | 0.65V |
| Output Impedance | 0.018 Ω |
| Min Load | 3 Ω |
| Damping Factor (100Hz 8 Ω) | >500 |
| Max Output Current | 20A |
| Channel Tracking | < +/- 0.06db |
| Crosstalk (20-20kHz) | > 83db |
| Idle power consumption | 20W |

Pre-amp Stage

| | |
|-----------------------------|--------------|
| Fixed Out THD (2V In/Out) | 0.002% |
| Max Preout Level (0.1% THD) | 4.5V |
| Frequency Response | 0.02db |
| Output Noise | <30 μ V |
| Balanced Input Impedance | N/A |
| Unbalanced Input Impedance | 66k Ω |
| Output Impedance | 100 Ω |

Digital In / Fixed Out

| | |
|-------------------------------|---------------|
| Gain | 24db |
| Noise | <30 μ V |
| THD+N | <0.005% |
| Channel Tracking | \pm 0.015db |
| Frequency Response 20Hz-20kHz | \pm 0.045db |

Headphone Output

| | |
|-------------------|-------------------|
| 32 Ω Load | 720mW @0.1% THD+N |
| 300 Ω Load | 132mW @0.1% THD+N |
| 600 Ω Load | 60mW @0.1% THD+N |