

Wyred 4 Sound

MC 7150



MC 7150 Owner's Manual

****IMPORTANT****

Check position of AC mains switch prior to connecting the unit to a power source.

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v1.1

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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 for detailed information regarding the design, operation and features of your Wyred 4 Sound MC 7150. Damage due to misuse or failure to properly follow instructions will not be covered under warranty. See “Warranty” for an in depth understanding of warranty restrictions regarding this product.

****Caution****

The MC 7150 has an external AC mains switch that must be properly configured before connecting to AC power. Any damage as a result of failure to set the switch properly is not covered under warranty. Please refer to the “AC Mains Voltage switch” section in the manual for the fuse value and configuration instructions.

Unpack carefully

The MC 7150 packaging contains:

- 1 – Owners Manual
- 1 – 6’ AC Power Cable
- 1 –3.5mm mono trigger cable
- 1 – MC 7150 multi-channel amplifier

Introduction

Wyred 4 Sound amplifiers replicate recordings with superb precision and trueness. During the development process we carefully tune each of our products to represent the W4S sonic signature which is no easy task! To ensure that your amp is operating at 100% in all respects we use strict testing regiments with premium grade Audio Precision equipment. Look no further for the culmination of performance and efficiency. In addition to the quality of our products, you will come to love our responsive and professional customer service.

Design and Feature Overview

The MC 7150 is a high performance multi-channel amp in a package that is attractive, functional and powerful. With over 90% efficiency, Class D technology has allowed us to develop an amp that will effectively enhance your music and movie experience! In addition to having a more “Green” approach to powering your system, this efficiency rating means very little power is wasted. Entertainment systems are often constructed with small cabinets which are not designed for inefficient components that require ample ventilation and this is where the MC 7150 comes in! The MC 7150 is able to operate in tight enclosures without creating excessive heat so you can choose the entertainment center you prefer, rather than the one you are forced to buy.

The traditional application for this amplifier is a 7 channel home theater system but it can also be very successful running 5 channels with the mains in a bi-amped configuration. Power is delivered to the speakers through 14AWG OFC wiring connected to gold plated, insulated 5-way binding posts. Power consumption when in standby is less than 0.5w so you can be sure it’s easy on the wallet! A 12V DC trigger input jack located on the rear panel will allow you to easily put the unit in standby when connected to the trigger output of a processor.

The lower portion of the rear panel is lined with 7 RCA jacks that feed into a refined version of our 2nd generation MC input buffer. The neutral sonic character of this amp allows for optimum results when using the tuning features of your processor such as room correction or audio equalization. Another great point worth noting is that you can operate any number of channels and those which are unused will consume a negligible amount of power.

The new chassis is more striking than ever! When looking at the front of the unit, only three screws are visible which are tucked neatly along the rear edge of the top cover. We have added a machined front panel cut from a solid piece of 1” aluminum and finished it with a smooth black powder coat. Two color options are

available for the top cover which include clear (Silver) or black anodize. Finally, the steel chassis helps create a rigid foundation for mounting the components and adds ventilation assistance for passive cooling.

AC Mains Voltage switch

Located on the left side of the rear panel is an AC mains switch. The MC 7150 will need to be unplugged and powered down for at least 2 minutes before changing the 2 position slider switch. **It is very important to ensure that the slide switch is in the proper position before applying power. Failure to do so will likely result in damaging the internal components and will not be covered under warranty.**

The fuse is located above the IEC plug on the rear of the unit. It can be inspected by sliding the fuse holder out (It has a symbol of a fuse on it).

90-260V: 5x20mm Slow Blow / T10A 250VAC

Getting connected

CAUTION: Disconnect the power cord or put the power switch in the “off” position before making any connections to your amplifier to minimize the risk of electric shock and possible loudspeaker damage. Power your MC 7150 “on” after all final connections have been made.

Each binding post is made of “OFC” copper alloy. Both clamping nuts are built out of one piece, and ensure an excellent grip on the spade or wire. All metallic surfaces offer a 24-karat gold-plating, and are made from non magnetic materials. The binding post will accept 4mm banana plugs, spades of 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 you can find. Inexpensive banana plugs can cause a highly resistive connection which can result in a noticeably higher distortion output and will reduce the ability of the amplifier to control the connected speakers.

Powering your amplifier

In order to turn the main power of the MC 7150 on, the switch located on the rear must be in the “on” position. A green light surrounding the power button on the front will illuminate. There is a built in 2 second delay after initially turning the switch on in the rear of the unit before you can press the power button. Pressing the power button will turn the unit on from standby and the light around the power button will switch to blue. It is recommended to turn the amp off with the switch on the back when you are connecting or disconnecting wires from the binding posts. We also recommend doing the same when experiencing electrical storms in the area, or perhaps leaving town for a long duration. To prevent power surges, we suggest using high quality surge suppressor equipment. Turning the switch “off” on the rear of the unit will protect it when you have doubts on power stability.

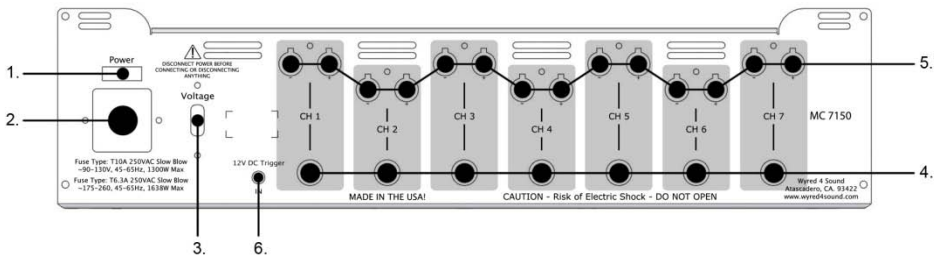
“Break-in” period

This amplifier performs very well right out of the box. As the amplifier “settles in” there will be audible improvements in sound quality throughout the first 300 hours. Once you reach 100 hours of music playback you can expect the higher frequencies to smooth and the somewhat harsh transitions to diminish. As the unit progresses through 200 hours of playback its overall character will become smoother and increasingly natural. The remaining 100 hours of playback will result in further improvements although they are less significant.

DC Trigger

Near the left side of the rear panel is a 12V DC trigger in. The trigger In will turn the unit on from standby once it is actively fed 12V DC but the main On/Off switch on the rear must be on. Having a trigger feature is very handy because it will allow the MC 7150 to automatically power on whenever the source is turned on or off. For example products such as our mPRE, mINT, DAC-2, STP-SE, STI, etc. all have 12V DC trigger outputs. You will also find that the majority of pre-pros and AV receivers have a compatible trigger feature.

Back Panel Diagram



1. On/Off power switch
2. Fuse holder and AC power input
3. 120V/230V Mains Voltage selector switch
4. RCA Analog input
5. Speaker output
6. 12V DC Trigger in

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 volume level before starting to play music. Damage to the amplifier or connected components due to an unintended musical blast will not be covered under warranty.

1. Verify that the power cord is securely plugged into the wall and the MC 7150.
2. Make sure that the Voltage Selector Switch is in the proper position. Also be sure to check the fuse which is located in the IEC inlet fuse holder.
3. Check the power switch located on the rear to verify that it is in the on position. Make sure that the blue light is on around the power button. If the light around the power button is green, the power button will need to be pressed once to turn the amp on.
4. You will need to check your source for sound output. Carefully check to see that you have the correct input selected and the cables plugged in securely.
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 the 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. If these cables were used in the current setup and the only component that has changed is the MC 7150 continue to the next step.

8. Now that you have interconnects that you know work, try connecting the amplifier to another source and speakers that you know function properly.

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 for additional support.

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 low level of hiss. If the hum is easily heard at a distance, try putting your source on mute. If this eliminates the noise, it's inherent in the source. If muting your source doesn't disconnect the outputs when muted and the hum still exists while muted, try disconnecting the inputs to the amplifier. If the hum is still there when the inputs are disconnected, then your amplifier may need service. If the hum 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 it 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 the source end of your system. **Digital cable boxes and satellite receivers are notorious for making ground loop hum.** This is normally caused by the potential difference on the cable or satellite service 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 they 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 your cable or satellite 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**. 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 opt that the customer 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 the customer. When a product or part is exchanged, any replacement item becomes property of the customer 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, an Authorized Service Provider (dealer) using the information provided on the Wyred 4 Sound website. A Wyred 4 Sound representative or an Authorized Service Provider will help determine whether your product requires service and if it does, they will inform you how Wyred 4 Sound will provide it. Wyred 4 Sound or its Authorized Service Providers will provide warranty service on products that are tendered or presented for service during the Warranty Period, as permitted by law. **Wyred 4 Sound is not responsible for freight charges to our facility for warranty repairs. We will cover return freight charges (domestic only) if the unit is found to be faulty and still within the warranty coverage period. Additionally we must have a valid warranty registration form on file that was submitted within 30 days of purchase to activate the product warranty. You will 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 for repair. Products shipped to the factory will be refused and returned freight collect if not accompanied by a Wyred 4 Sound 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

(See "Contact Us" on our website for current hours of operation)

Fax: 805-462-8962

Email: support@wyred4sound.com

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

If you are located in the United States and purchased directly from W4S use the following procedure:

1. Fill out the Service form on our website located under the "Service" tab.
2. If service is approved we will issue a Return Authorization Number (R/A number) from the Wyred 4 Sound Service Department. Be sure to confirm the current shipping address.
3. Insure and accept all liability for loss or damage to the product during shipment to the W4S facility 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 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 by emailing support@wyred4sound.com or the phone number listed below to discuss and resolve the situation.

Specifications

Typical THD+N 8Ω (10W out)	0.003%
Power Output 8Ω @ 0.2% THD+N (2 channels driven)	165W
Power Output 8Ω @ 1.0% THD+N (2 channels driven)	180W
Power Output 4Ω @ 0.2% THD+N (1 channel driven)	335W
Power Output 4Ω @ 1.0% THD+N (1 channel driven)	364W
Output Idle Noise A wt.	< 150μV
Frequency Response 20Hz--20kHz (8 ohms)	± 0.027db
Unbalanced Input Impedance	61.9k
Dynamic Range	106db
Gain	30db
Sensitivity	1.15V
Min Load	4Ω
Idle power consumption	<10W
Standby power consumption	<0.5W

Wyred 4 Sound

PH: 805-466-9973

Fx: 805-462-8962

Email: support@wyred4sound.com