

*WYRED 4 SOUND*

## **Music Server**



**User Manual and Setup Guide**

V1.4

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## Special Notes

- CDs must be inserted into the server LABEL SIDE DOWN.
- Take Caution to power the server down by a quick press of the power button. Do not unplug the server while it is powered on or press and hold the power button to shut down.
- We highly recommend backing up your hard drive contents to an external drive on a regular basis to prevent loss of data. Wyred 4 Sound is not responsible for any information lost in the event of a hard drive failure.
- If the server is not connected to the Internet when ripping CD it will be unable to locate tagging information and album artwork.

## Package Contents

- 1 – Music Server
- 1 – Power Supply

## Getting Connected

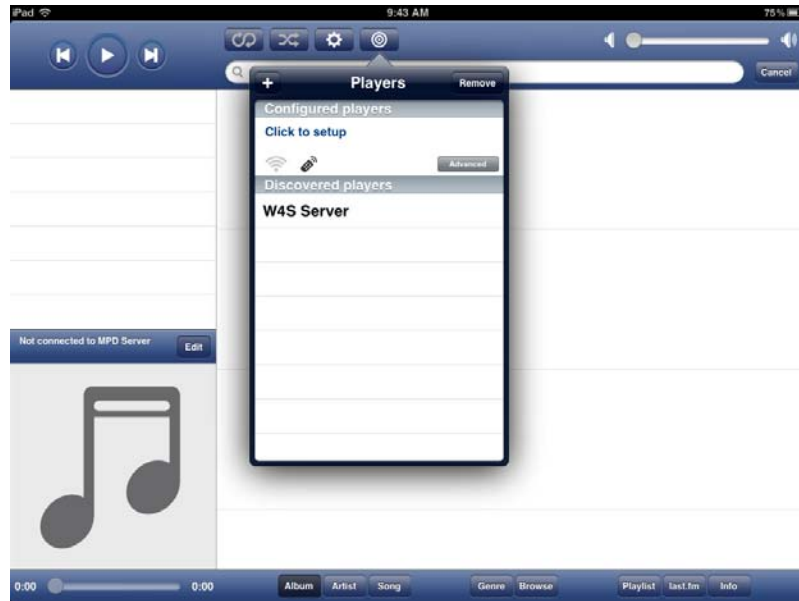
1. Place the Server in the intended location and ensure that it has proper ventilation. We recommend that if you are placing it in an enclosed cabinet, it is not on or near any other component that produces excessive heat.
2. Connect the power supply to the wall outlet and then to the Server high current jack on the left side of the rear panel.
3. Next connect an Ethernet cable from your router to the Ethernet port on the rear panel of the server. (If you do not have a router in the same room as your system and do not wish to run Ethernet, there are several alternative options. Please contact the place of purchase for your best alternatives.)
4. Lastly connect the appropriate digital output to your DAC using the appropriate digital cable. (Please note: The I<sup>2</sup>S output is not a standard HDMI output and is configured for the Wyred 4 Sound DAC-2)
5. Power the unit on by pressing the power button located on the right side of the front panel. When turning the unit off use a “quick press” of the power button. It will shut down in less than 30 seconds. Do not press and hold the power button to shut it down.  
(Power “on” is indicated by blue ring light, green indicates the unit is in standby)
6. Proceed to the appropriate section for configuring the server for your desired use and enjoy!

## Gaining access to your new Music Server with MPaD or MPoD

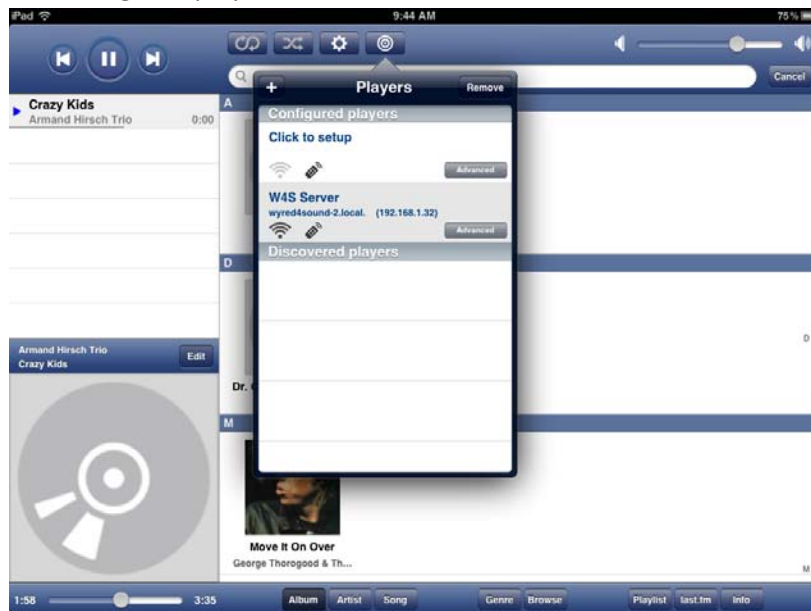
-(MPaD is for iPad / MPoD is for iPhone or iTouch)

-This application does not support internet radio or music on demand but does support gapless playback.

1. Before connecting to your new Music Server it must be powered on and properly connected. The unit will take roughly 2 minutes to boot and become available on your network.
2. Download and install MPad/MPod application form the App Store. It will cost \$2.99USD.
3. Open the application and select the “Target” icon located at the top of the screen.
4. Select “W4S Server” located under Discovered players.



5. Next select “W4S Server” and it will be added to your list of Configured players.
6. For the next step you will need to locate your Music Servers IP address. It will be listed next to W4S Server in the Configured players list.



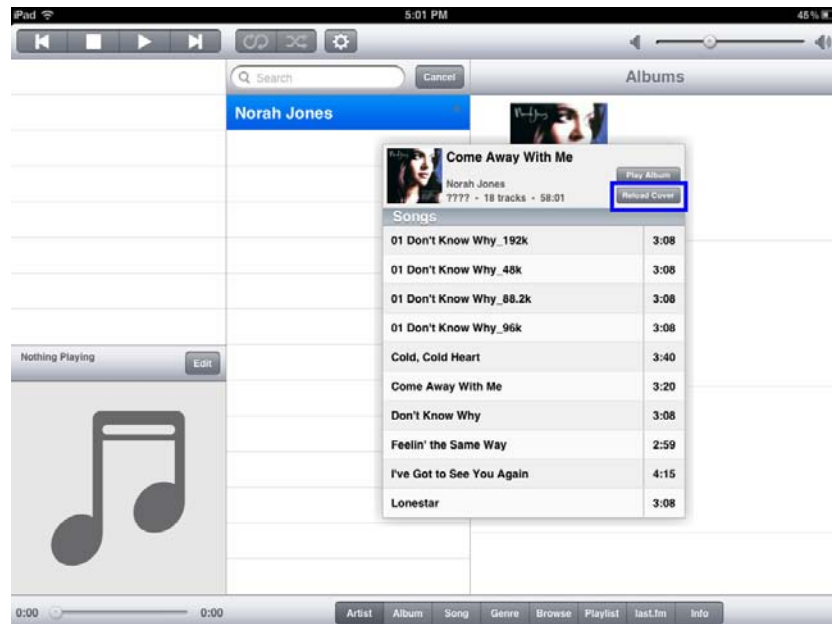
7. Next select “Advanced” and enter the IP address that you obtained in the step above in the following format. It will be entered next to URL indicated below.

**http://192.168.1.157/music (This is an example IP address)**

-You will also need to edit the field titled “Cover Filename” to cover.jpg (case sensitive)



8. Now select "Save" in the upper right hand corner.
9. Now ensure W4S Server is selected which will be located "target" drop down list.
10. You can then "tap" outside of the window to close the connection screen if necessary.
11. MPaD will automatically update its contents if there are changes to your library.
12. Also take note of the "Reload Cover" button below. If you manually add album artwork and you have properly named it "cover", as well as ensured that it's a .jpg file you can tap "Reload Cover" to update MPaD.



13. Setup is complete!

(Please Note: When adding new files to your library it should automatically update. If this does not make the new files visible please refer to "**Updating Your Library**" and restart the app.

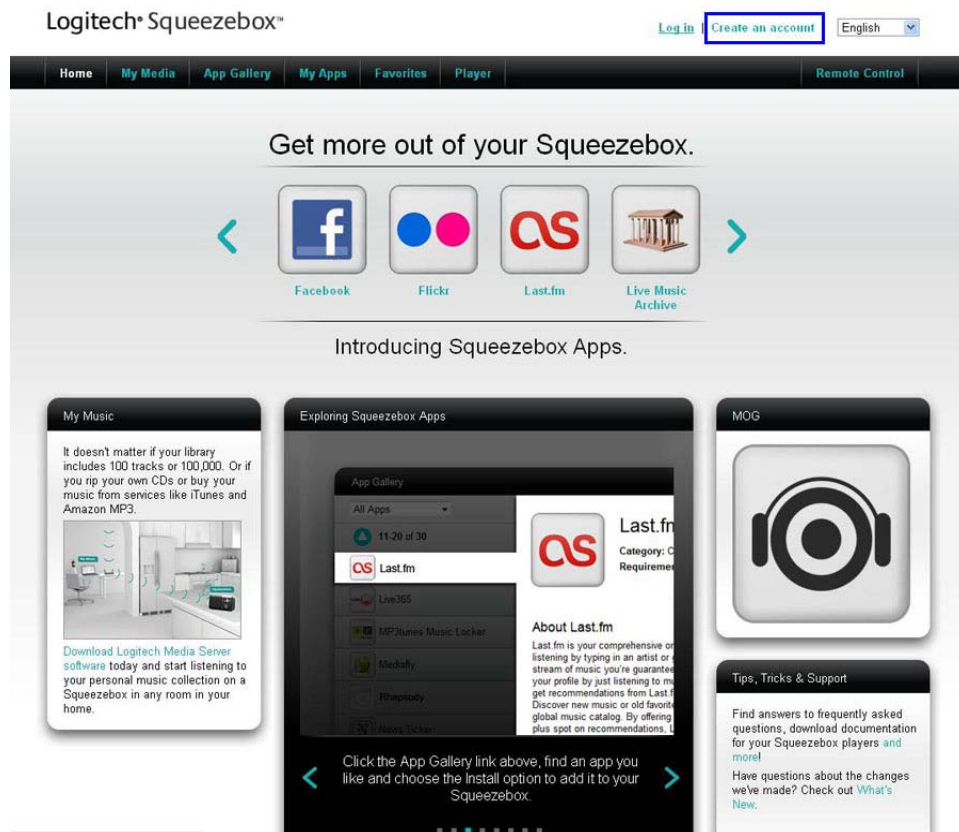
## Gaining access to your new Music Server with the Squeezebox app

-Squeezebox app is for use with any Apple/Android tablet or smartphone

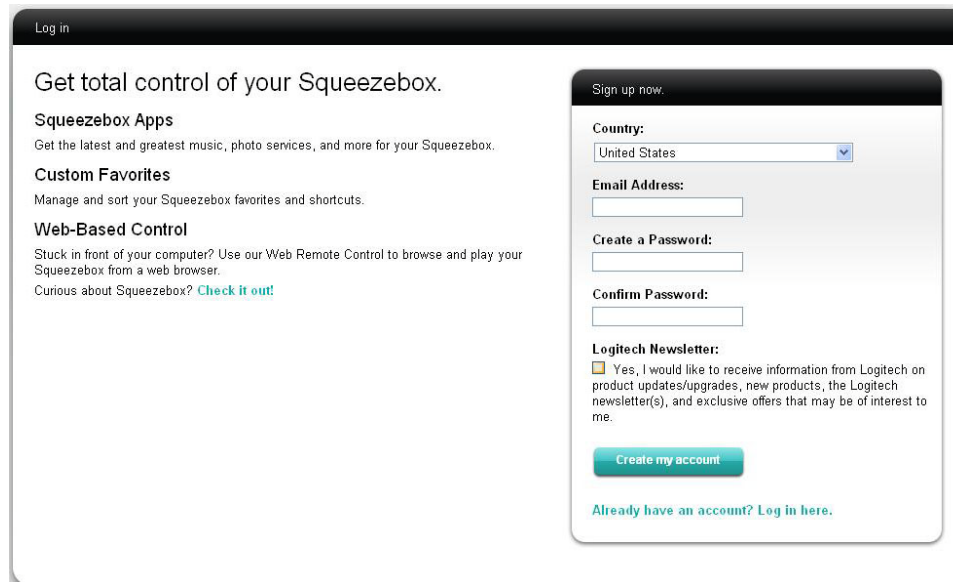
-This application does provide access to Internet radio and Music On Demand but does not allow gapless playback.

Tested 3<sup>rd</sup> party apps: Pandora®, MOG, Last.fm

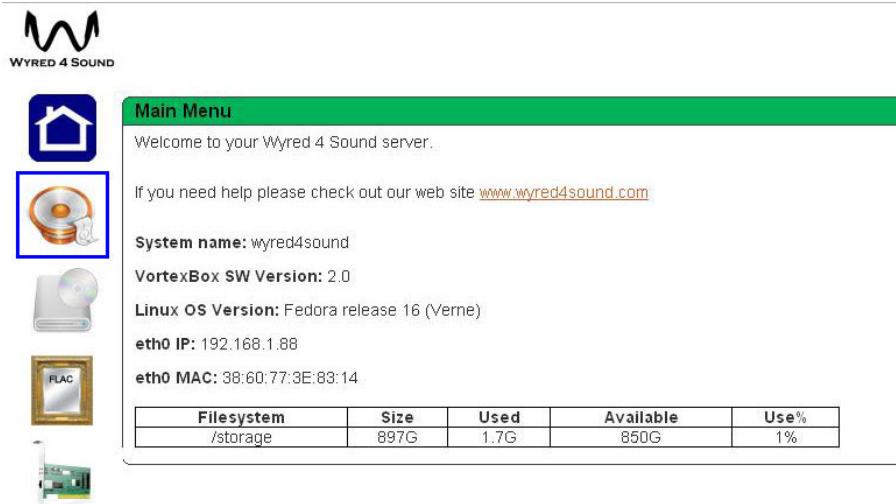
1. In order to control your Server via a smart phone or tablet you will need to first create a free Logitech® Squeezebox™ account if you do not already have one. Using your web browser go to [mysqueezebox.com](http://mysqueezebox.com) and click on “Creat an Account”.



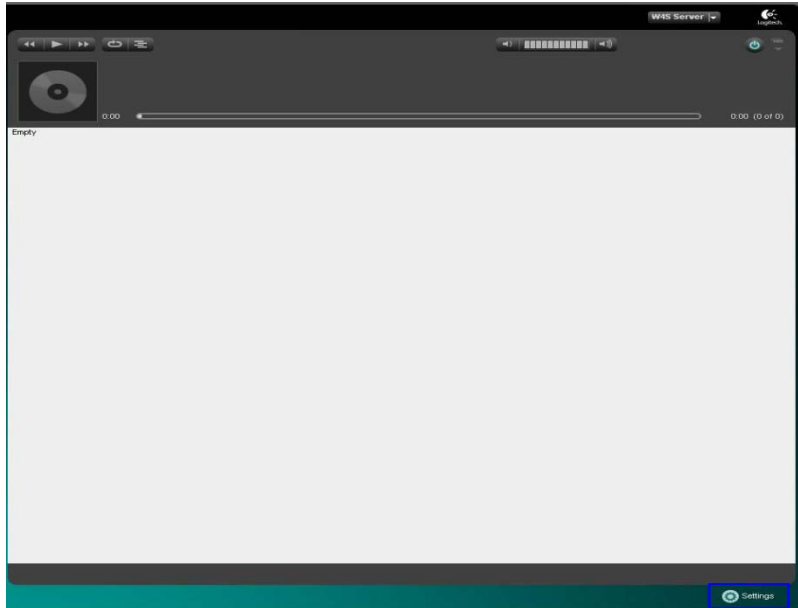
2. Next fill out the required fields and click “Create My Account”. Make sure to note your email and password.



3. If you have not already, plug the Servers' power supply into the wall and then connect the circular 4 pin connector to the "High Current 12V Supply" power inlet on the back of the unit.
4. Now connect an Ethernet cable from your router to the back of the unit. (If you do not have a router in the same room as your system and do not wish to run Ethernet there are several options. Please contact us for details.)
5. The ring light around the power button should be illuminated green to indicate the Server has power and is in the standby mode. Press the power button on the front of the unit to turn it on and notice that the light turn blue.
6. The Server will take roughly 2 minutes to boot up and be available on you network. After the Server has successfully booted up type <http://wyred4sound/> into your web browser. If you have a Mac type <http://wyred4sound.local/>
7. Next click on the Squeezebox™ Server icon which is second down on the left side of the screen.



8. This is the Logitech© Media Server page where you can control the Server from your browser. Click the "Settings" button located in the lower right hand corner of the page.



9. Click on the mySqueezebox™.com tab and carefully enter your email address and password for the Logitech© Squeezebox™ account that you created. Press enter to store the information. You have now successfully created your free account as well as connected your Server to it.
10. Download Logitech© Squeezebox™ Controller to your smart phone or tablet from the app marketplace.
11. When the app has finished installing, open it and enter your email and password from when you created the Logitech© Squeezebox™ account.
12. Once you successfully log in you will see the “Choose Player” menu and your W4S Server should be listed and you can select it. If the Server is not listed ensure that the Server is powered on and a working Ethernet cable from your router is plugged into the LAN port on the rear. Also check to ensure that you can login to it successfully by typing <http://wyred4sound/> into your browser. If you have a Mac type <http://wyred4sound.local/>
13. You have now successfully installed the control application for your Server. Also, remember that you can control the Server from your browser at the Squeezebox™ page which is accessed from <http://wyred4sound/> or <http://wyred4sound.local/> for Mac.

## Ripping CDs and DVDs

(Approximately 8-12 minutes per CD and 1-2 hours for DVDs)

1. Carefully insert the disk **LABEL SIDE DOWN** until the drive pulls the disk into the Server. The Server will automatically start ripping (copying) the CD into FLAC format and store it on the internal drive. During the process it rips and checks each file multiple times to ensure a bit perfect copy is created. The amount of time required to complete the ripping process and locate album artwork will vary depending on the length of your CD and your Internet connection speed for album artwork.

When ripping DVDs the standard format is MKV but you also have the option to mirror into mp4 and m2Ts (great for streaming to PS3). You can expect DVDs to take approximately 1 to 2 hours to be copied completely.

2. When the process is complete the disk will automatically eject. **Carefully remove the disk by pulling straight out to avoid scraping the disk on the top cover CD slot.**
3. The Ripping process is complete. The newly stored album will be available for playback immediately after it is ejected.

**-If the new album does not appear or you have manually added or removed files from the Server, please refer the section titled "Updating Your Library"**

**-If the disk is inserted right side up it will not process the files and need to be manually ejected using a paperclip through the hole located above the slot loader.**

## Streaming Music and Movies to a iPhone or iPad

**PlugPlayer** and **AirPlayer** are two applications that will allow you to stream music and movies to your iPad over a wireless connection. They can be purchased at the app store.

## Updating Your Library

If you manually add or remove files on your Server it will be necessary to rescan the library for changes. This will ensure that any changes you have made are applied and media that is stored on the Server is visible through the control applications.

1. Ensure that the Server is properly connected and powered on.
2. Type <http://wyred4sound/> into your browser and <http://wyred4sound.local/> for a Mac and then press enter.
3. Once the Server home page has loaded click on the Squeezebox™ Server icon.



### Main Menu

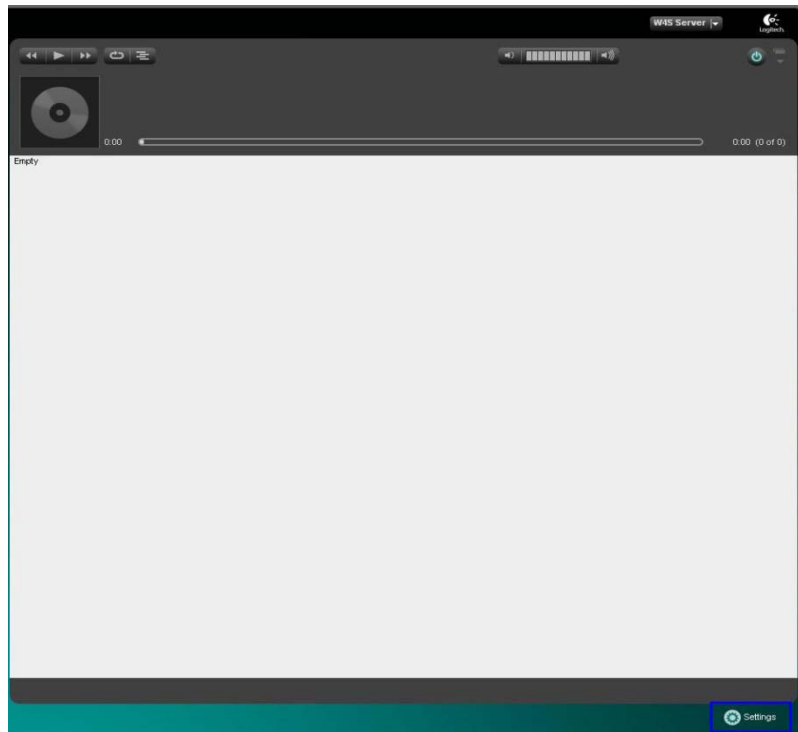
Welcome to your Wyred 4 Sound server.

If you need help please check out our web site [www.wyred4sound.com](http://www.wyred4sound.com)

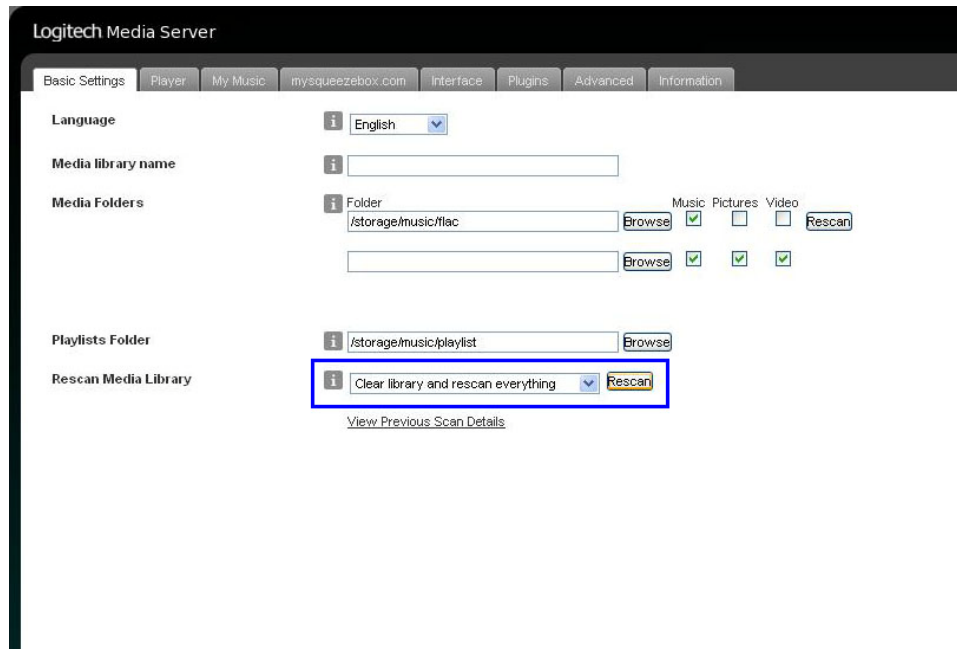
**System name:** wyred4sound  
**VortexBox SW Version:** 2.0  
**Linux OS Version:** Fedora release 16 (Verne)  
**eth0 IP:** 192.168.1.88  
**eth0 MAC:** 38:60:77:3E:83:14

Filesystem	Size	Used	Available	Use%
/storage	897G	1.7G	850G	1%

- Now that you are at the Logitech© Media Server page click on “Settings”.



- In the basic settings tab locate the drop down menu next to “Rescan Media Library”. Select “Look for new and changed media files” if you have added new music. If you have removed music select “Clear library and rescan everything”.



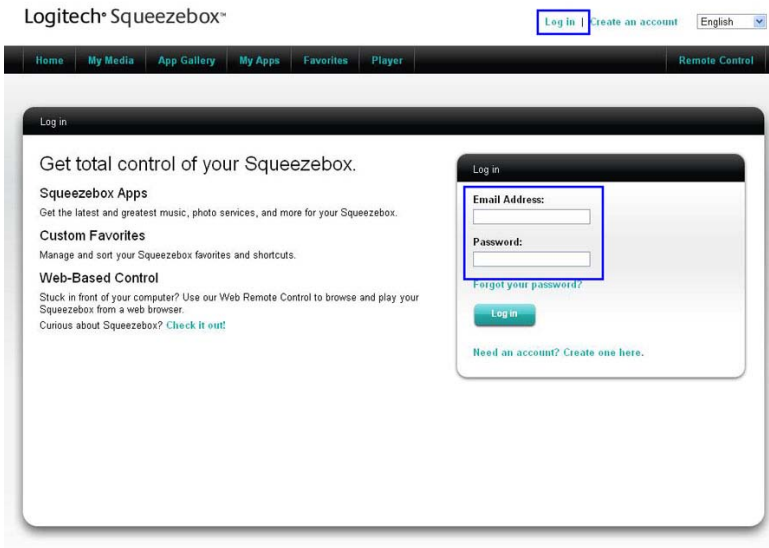
6. Click **“Rescan”** and the library will be updated. The time required will vary depending on the size of your library.
7. You have successfully updated your library!

## Adding Applications

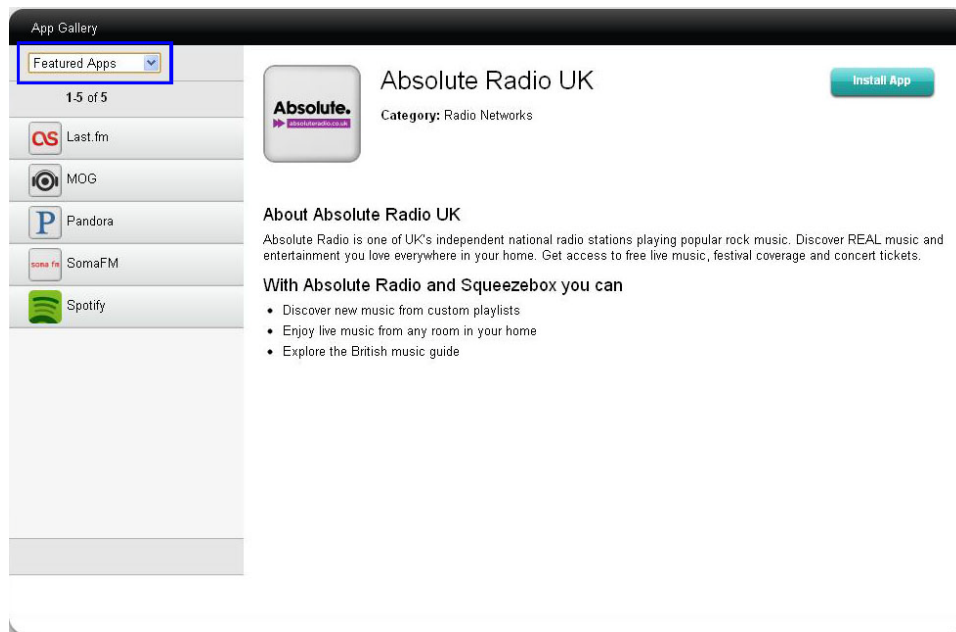
At this time we have tested Pandora® (Internet radio), Last.fm and MOG (Music On-Demand) successfully with our server. Rhapsody® and Spotify™ are not compatible. If you determine that other applications are compatible please let us know. If you already have a MOG or Pandora® account you surely know how wonderful they are and what they can do for you.

This guide will explain how to install an application that is compatible with our server. We will install Pandora® in this example.

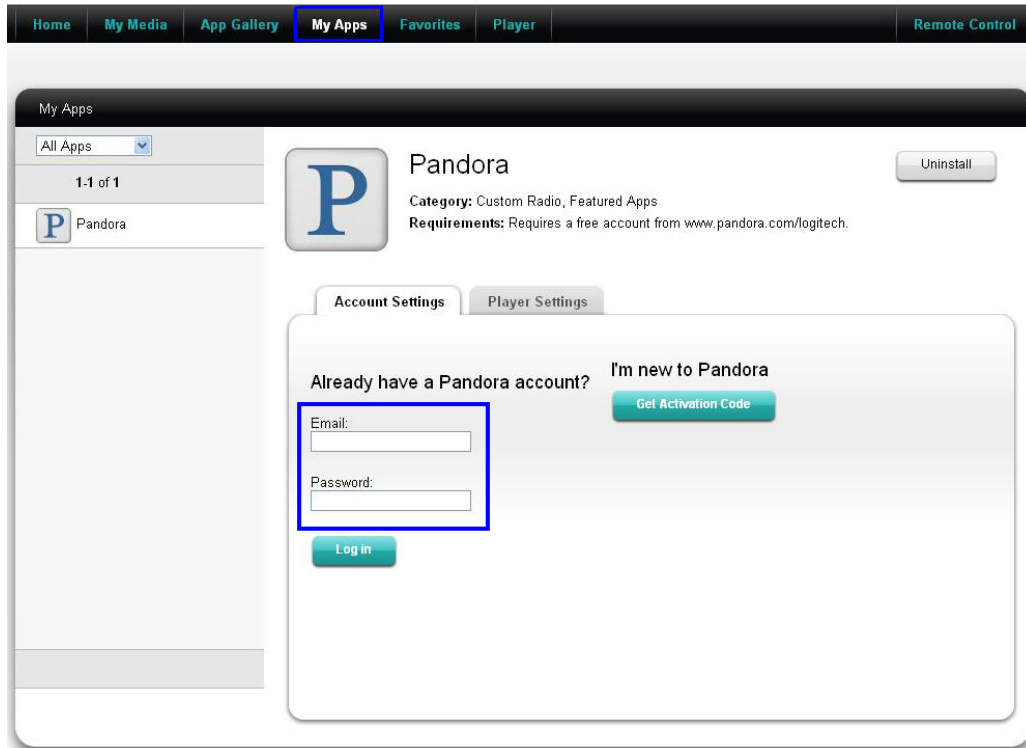
1. Navigate to mysqueezebox.com and click “Log In” located at the top of the browser window. Enter your email address and password.



2. Once login is complete click on **“App Gallery”** at the top of the screen and select **“Featured Apps”** from the drop down menu.



3. You can then click on **“Pandora®”** and then **“Install App”**.
4. Once the app is installed click on **“My Apps”** at the top of the screen, enter your account information for Pandora®, and click **“Login”**. If you do not have a Pandora® account you will need to create one on the Pandora® site prior to completing this step.



5. You have now successfully added your Pandora® account to the server and can stream your favorite radio stations. Access to Pandora® will be through the Logitech® Squeezebox™ Controller application or your browser. It is located under **My Apps**. The process for adding Music On-Demand such as MOG (highly recommended) is the same, just follow the steps above.

## USB Backup Hardrive Contents

All of your music stored on the hard drive can be backed up to an external USB drive. We highly recommend backing up your media library after initially transferring/ripping your music collection or making any major changes.

1. Ensure that the Server is properly connected and powered on.
2. Type <http://wyred4sound/> into your browser and <http://wyred4sound.local/> for Mac and then press enter.
3. Click on the **“Backup”** icon.



- Once you are in the **Backup** window plug in your external hard drive and click **“Refresh”** on your browser. Ensure that the external HD has adequate capacity to store all of your media.  
-It is important to note that the external HD must be formatted in order to backup the Music Servers contents. Any data that you have on the external drive will be lost! We recommend having a dedicated external drive to backup your Music Server contents.
- Next click **“Format Drive”**, once the format process is complete click **“Backup to USB”**. The log regarding the progress of the backup will be previewed in the backup screen and it will show when it is complete.



- When the process is complete we recommend plugging the drive into a Mac or PC to ensure that the files have been copied properly.
- If you are unable to view the files on the hard drive it will be necessary to backup the system again. First, upgrade the Music Server to ensure it has the latest software version and then repeat the backup process starting at step 1.

8. Remember that keeping your backup updated is very important to protect your data. After the initial backup, it is not necessary to format the drive again. The backup after the first time is incremental, in other words it will only add the new files.

#### **-Restore Contents**

It is very simple to restore your library from an external drive.

1. Follow steps 1-4 above.
2. Click **"Restore from USB"** and the Server will restore the contents from the hard drive.
3. When this is complete be sure to **"Rescan Media Library"**. See **"Updating your Library"** for instructions.

### **Manually Adding or Removing music**

If you have media that would like to add to the Music Server from another computer on your home network refer to the instructions below.

1. **PC:** Locate "My Network Places" on your computer.  
**MAC:** Go to "Finder" and then under "Shared" you will see "wyred4sound" listed, click on it.
2. **PC:** Open the folder titled **"files on Wyred4sound Media Server and SMB Master (Wyred4sound)"** and open it.  
**MAC:** Click the file titled **"files"**.
3. Open the folder titled **"music"**.
4. Open the folder titled **"flac"**.
5. "Copy and paste" or "Click and drag" any media that you would like to add to the Music Server into the flac folder. When clicking and dragging files into the music folder, be very careful not to drop the files into an existing folder for another artist. It is very important to keep these files organized properly so that they are easily accessed from your control device.  
-The proper file structure in the flac folder should be as follows:  
    \\WYRED4SOUND\files\music\flac\Artist\Album
6. If the album art is not embedded in the files it can be manually placed in the Album folder.
7. Place the file in the folder and title it **"Cover"**. The file should be a .jpg of 300x300 pixels or smaller.
8. To remove files from the Music server simply delete them from the **"flac"** folder .

**After manually adding or removing files from the Server, please refer the section titled "Updating Your Library" to rescan the Music Server contents.**

### **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 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](mailto: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 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 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](mailto:support@wyred4sound.com) or the above phone numbers to discuss and resolve the situation.