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Nonprime Omnia WR-2 Network Audio Streamer User Manual

**Omnia WR-2 Network Audio Streamer
User Manual**

Hi-Res Multi- Room WiFi and Bluetooth aptX HD Audio Streamer.
All in puts re-stream to WiFi and Bluetooth aptX HD headphones and speakers

Contents

FCC Notice – Declaration of Conformity Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur i n a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment o and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Only peripherals complying with the FCC class B limits may be attached to this equipment.
Changes or modifications made t o this equipment, not expressly approved by us or parties authorized by us could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and

2. this device must accept any interference received, including interference that may cause undesired operation.

EU Declaration of Conformity

$C\varepsilon$ Hereby, Nonprime Audio, Inc. declares that this device is i n compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.
The manufacturer of this product is Nonprime Audio, Inc., 1712 Pioneer Ave. Ste 1817, Cheyenne, Wyoming 82001, USA.
The Authorized Representative for EMC and product safety is Nonprime Audio, Inc., 1712 Pioneer Ave. Ste 1817,

Cheyenne, Wyoming 82001, USA.
For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

For Customers in Europe

Disposal of Old Electrical & Electronic Equipment (Applicable i n the European Union and other European countries with separate collection systems) This symbol on the product or on its packaging in dictates that this product shall not be treated as household waste. Instead i t shall be handed over t o the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed o f correctly, you will help prevent potential BS negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Safety Instructions

There are two categories of Safety Instructions included i n this manual:

- Product Warnings, (i.e., what must never be done to assure avoiding those hazards that
- could cause bodily injurer property damage); and
- User Directions (i.e., what must always be done to assure the safe use of your device).

The Safety Instructions contained in this manual have been categorized in a accordance with the seriousness of the potential hazards through the use of Signal Words. Those Signal Words, and their intended meanings, are as follows:

DANGER: Indicates that a failure to observe the Safety Instructions could resulting death or catastrophic bodily injury.

WARNING: Indicates that a failure to observe the Safety Instructions could resulting serious bodily injury.

CAUTION: Indicates that a failure to observe the Safety Instructions could resulting minor bodily injury or property damage.

NOTE: Designates important information that relates to activities and/or conditions that might resulting loss of data and/or damage to your device.

Safe U s e and Operation of Your Device

This equipment emits stray RF energy and will interfere with the reception of signals by airborne electronic navigational devices or medical devices. Do not operate this equipment near any sensitive medical devices.

WARNING: Use only grounded AC power cords.

Always immediately disconnect the power t o the equipment in the event the device emits an unusual odor or sound or generates smoke.

WARNING: Never attempt to disassemble, repair or make any modification to your device.

Disassembly, modification or any attempt at repair could cause bodily injury or property damage, as well as damage to the device itself.

WARNING: Your device is not atoy. Never allow children t o play with your device. Misuse, rough or improper handling of your device b y children could result in serious bodily injury for any of the enumerated safety warnings in this manual. IN addition , always keep all accessories and components out of the reach of small children as small parts might present a choking hazard. Seek immediate medical attention if choking occurs or if any small part has been swallowed.

CAUTION: Never raise the sound volume level too high when using your device with earphones. An excessive sound volume level could cause damage to your hearing.

WARNING: To reduce the risk of re or electric shock, do not expose the unite moisture or water. Do not allow foreign objects to get in to the enclosure. If the unit is exposed to moisture, or a foreign object gets into the enclosure, immediately disconnect the power cord from the wall. Take the unit to qualified service person for inspection and necessary repairs. Read all the instructions before connecting or operating the component.

Keep this manual so you can refer to these safety instructions.

Heed all warnings and safety information in these instructions and on the product itself. Follow all operating instructions.

Do not use this unit near water.

You must allow a minimum 10 cm or 4 inches of unobstructed clearance around the unit.

Do not place the unit on a bed, sofa, rug, or similar surface that could block the ventilation openings. If the unit is placed in a bookcase or cabinet, there must be ventilation of the cabinet to allow proper cooling.

Keep the component away from radiators, heat registers, stoves, or any other appliance that produces heat.

The unit must be connected to a power supply only of the type and voltage specie ed on the rear panel. Connect the component to the power outlet only with the supplied power supply cable or an exact equivalent. Do not modify the supplied cable.

Do not route the power cord where it will be crushed, pinched, bent, exposed to heat, or damaged i n any way. Pay particular attention to the power cord at the plug and where the cord exits the back of the unit.

The power cord should be unplugged from the wall outlet during a lightning storm or if the unity tablet unused for along period of time.

Immediately stop using the component and have it inspected and/or serviced by a quail ed service agency if:

- The power supply cord or plug has been damaged.
- Objects have fallen or liquid has been spilled into the unit.
- The unit has been exposed to rain.
- The unit shows signs of improper operation.
- The unit has bee n dropped or damaged i n any way

Introduction

Nonprime Omnia WR-2 is a versatile multi-zone WiFi and Bluetooth aptX HD audio streamer capable of streaming music from online services, local USB pen drive, network storage (DLNA NAS), and other connected digital and analog sources. The free iOS and Android Apps allow you to easily control your smart music system, select your source music and group destination speakers (including receiving streamers).

System Architecture
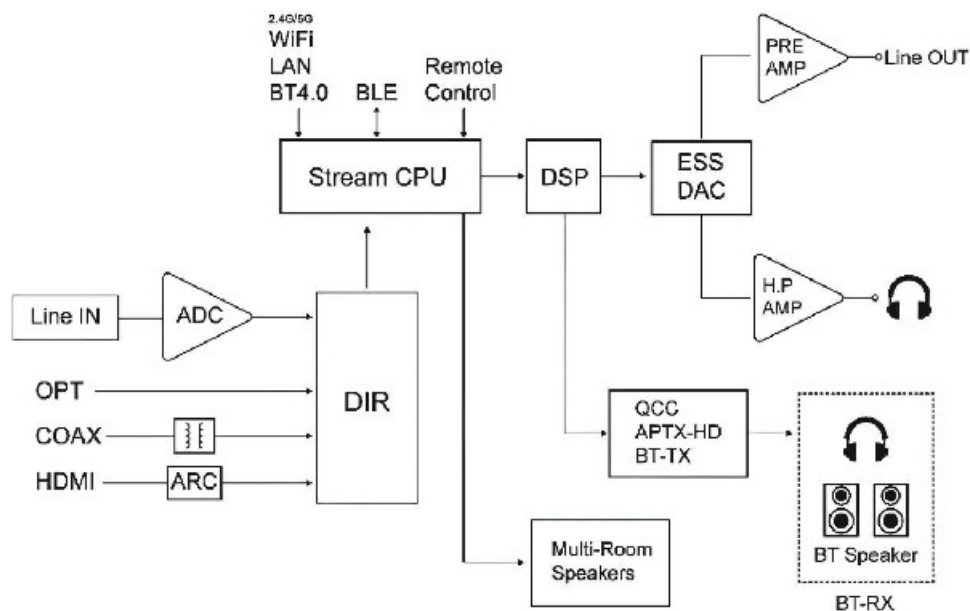
WR-2 versatility lies i n its architectural design, where all inputs, Wi-Fi, and Bluetooth data are routed to a streaming CPU module for processing. The digital data can be re-streamed to multi-room Wi-Fi receivers or a Bluetooth device or decoded for lineout or headphone out.

Features

- Outputs: Coaxial (USB Type-C), Line Out , 3.5mm Headphone Amp, 12V Trigger Out
- Inputs: Line In, HDMI ARC, Optical, Coaxial, USB Pen Drive
- All i n p u t s re-stream to WiFi and Buetooth aptX HD headphones and speakers
- Ethernet RJ45, 2.4.GHz & 5GHz WiFi, 2-way Bluetooth aptX HD
- Audio file decoding up to 24bit/192KHz
- Streaming protocols Airplay2, DLNA, UPnp, Spotify Connect,Tidal Connect & Oplay
- Streaming services: Amazon Music, Deezer, iHearRadio, Napster, QQ misic,Qobuz, Spotify, Tidal, Tunnel, and others
- Support multi-room streaming up to 8 zones
- NuPrime proprietary EQ settings
- OLED display for music information
- Nonprime Omnia App for Android and iOS
- Dimension: 151 mm W x 136 mm D x51 mm H (including feet)
- Weight: 0.8 k g
- Color: Black (PANTONE 19-3924 Night Sky)

*Wireless re-streaming and SPDIF output are limited to 44.1K (CD Quality) to ensure multi-room streaming performance requirement.

Accessories

- Customized power adapter (5V2A) includes Earl and US connector
- USB Type A-C Cable with mesh shielding, Length 1M
- RCA Cable: RCATO RCA, Length 1.2M
- HDMI Cable: FOR HDMI ARC, Length 1M
- Fiber optic Cable: Length 1M
- Remote-Control for WR2
- Antenna for WIFI 3dBi 2.4/5 GHz Dual-band (RP-SMA-J Male)
- Antenna for Bluetooth TX 3dBi (SMA-J Male pin)
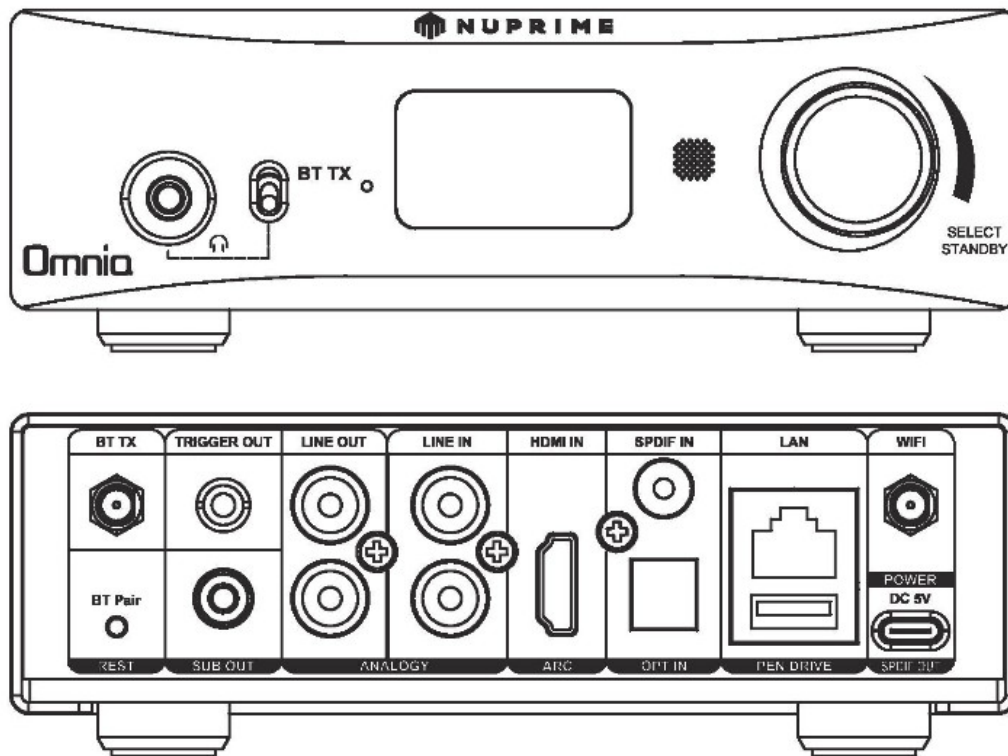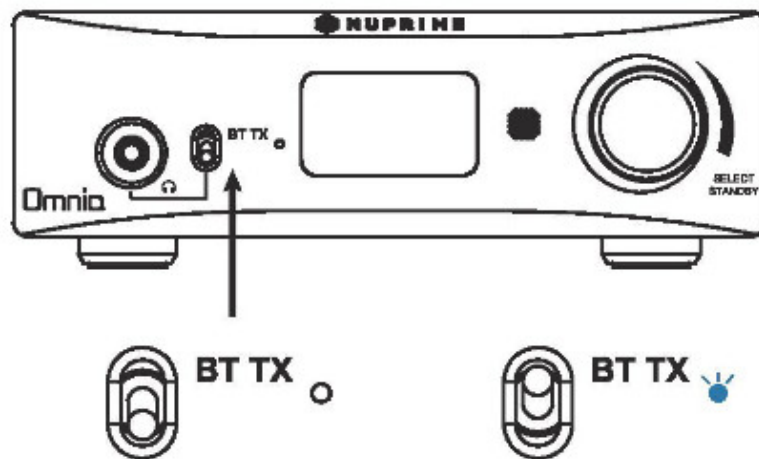

SMA-J Male

RP-SMA-J Male

Remote Control & Corresponding IR Codes

Front & Back Panels

Refer to User Guide section for information regarding the I/O ports.

WRz2 audio signal Pair to your Bluetooth device

1. Turn the panel switch to "BT TX
2. Quickly press the "BT Pair" button once, at which point the blue light on the front panel will flash quickly, allowing you to pair the Bluetooth transmitter with your Bluetooth device.
3. Turron the pairing mode for your Bluetooth device and place it as close as possible to WR2.
4. When the blue light on the front panel stops flashing, i t means the pairing is successful! WR2 recognizes this Bluetooth device and there's no need to pair again in the future.

Enjoy your wonderful wireless music!
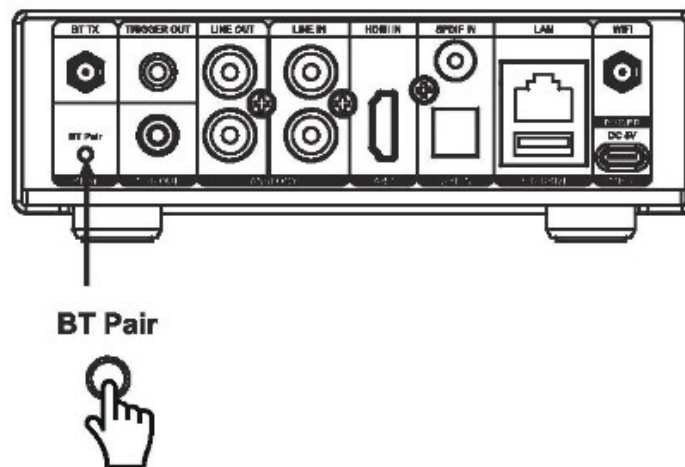
WRz2 Restore to factory settings :
Hold the button for three seconds t o trigger resetting the WiFi settings and restoring factory settings.

Nonprime EQ Settings

Nonprime proprietary EQ settings allow the users to customize their listening experience according to music preferences and audio equipment matching. Loudness 1,2 & 3 settings came from the R&D effort of the AMG series. Despite its name, Loudness settings create a presence o f warmth and impact for the listener instead of louder sound.
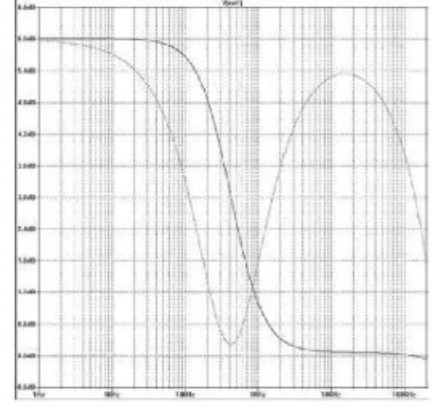
Repeatedly pressing the Loudness button will cycle through the following EQ settings: Flat, Loudness 1, Loudness 2 , Loudness 3, Rock, Jazz, Pop, Classic
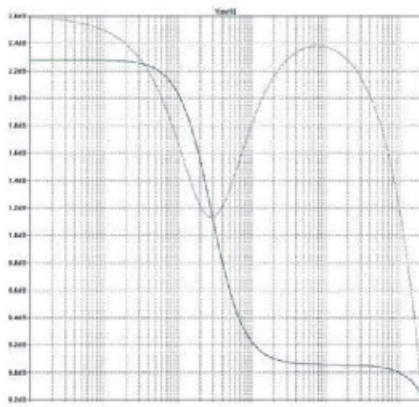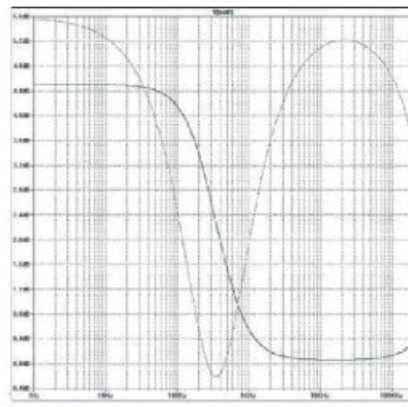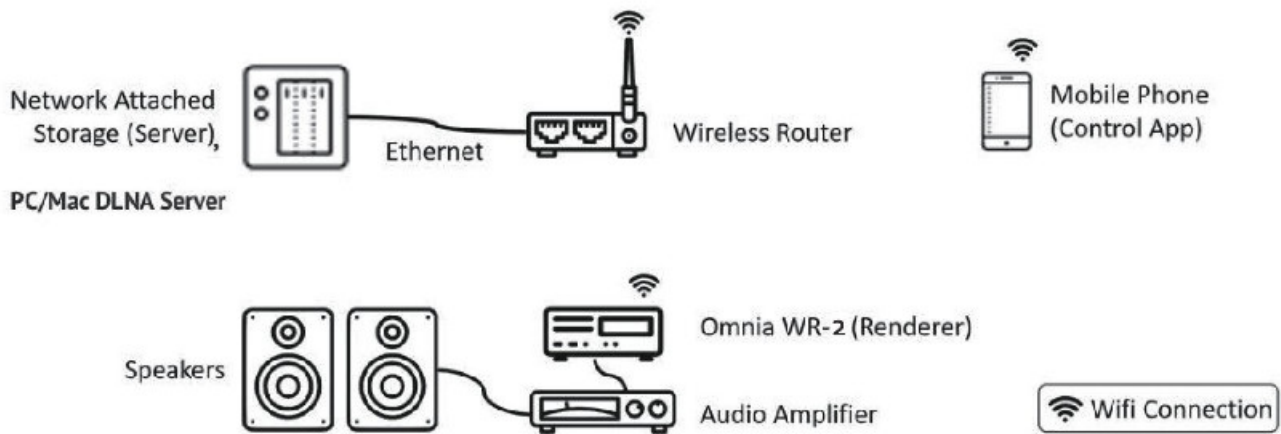
Loudness1   Loudness2   Loudness3

Situation map:

Getting Started
Overview
The diagram below illustrates a typical setup whereby the Omnia WR-2 would be used.

It is not necessary to use the exact components illustrated i n the diagram. The Server could be a dedicated DLNA compatible music server audio equipment or a PC/Laptop running DLNA server software.

You could also connect the Omnia WR-2 to the router using an Ethernet cable and its audio output to an active speaker.

For best performance, we recommend that all audio components, including DLNA Server, connect to the Nonprime Omnia SW-8 network switch.

Setting up the Omnia WR-2

Download and install the Omnia Receiver App to your iOS device from the App Store or your Android device from the Google Play Store.

Before using the Omnia Receiver App, make sure that the Omnia WR-2 has been properly connected according to the instructions below.

- Plug in the Type C USB cable to the Omnia WR-2 power input and the other end of the cable either to a Nonprime USB Extension Port (available on devices such as the IDA-8 and DAC-9) ora 5V USB power source.

- If not using the Nonprime USB Extension Port, connect the desired audio output (Digital Coax or Analog) to am pilfer or active speaker.

- For wired network connection, connect the LAN cable from your router to the RJ45 Ethernet port onthe Omnia-WR-2

- Turn onthe power of the Omnia WR-2

Configuring the Omnia WR-2

When you first launch the Omnia Receiver App, it will automatically search for the Omnia WR-2. If it does not detect any compatible devices, the App will show the following screen:

FACTORY RESET BY App

Restore to factory default settings b y App's function setting—> Speaker Info—> Restore Factory Settings
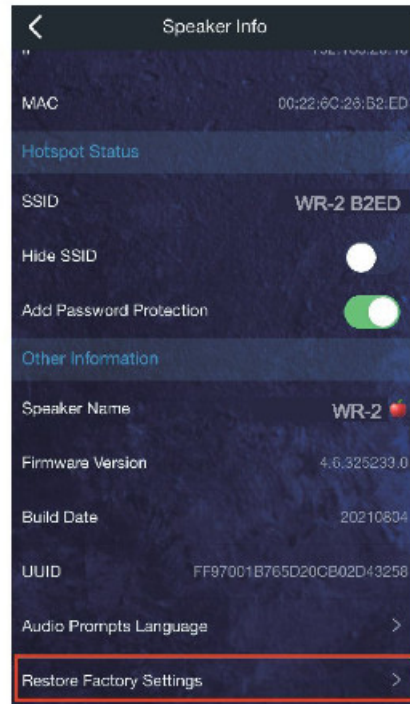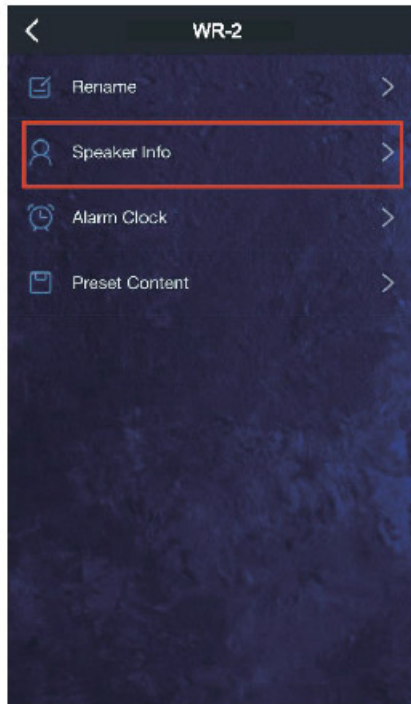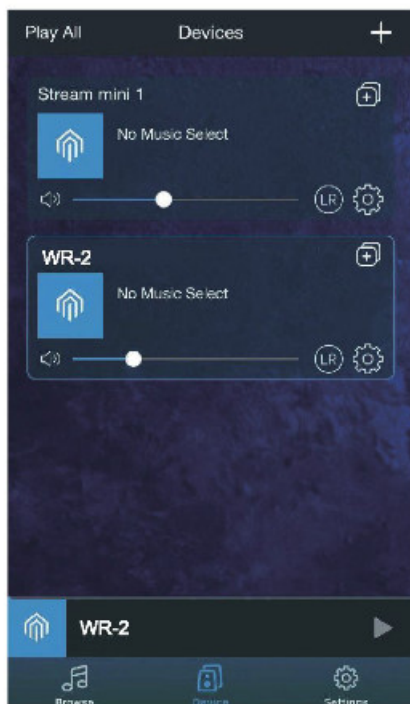
QUICK SETUP GUIDE

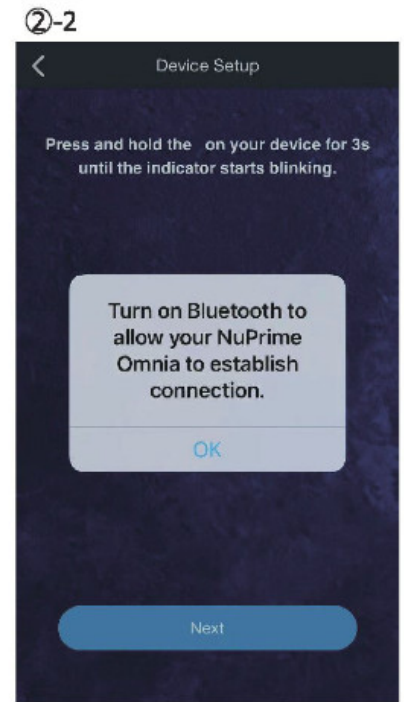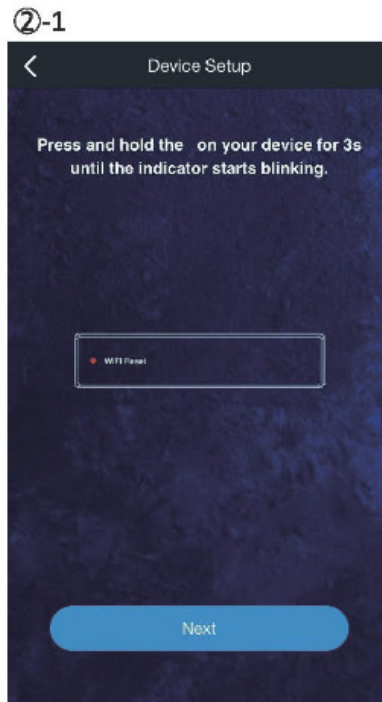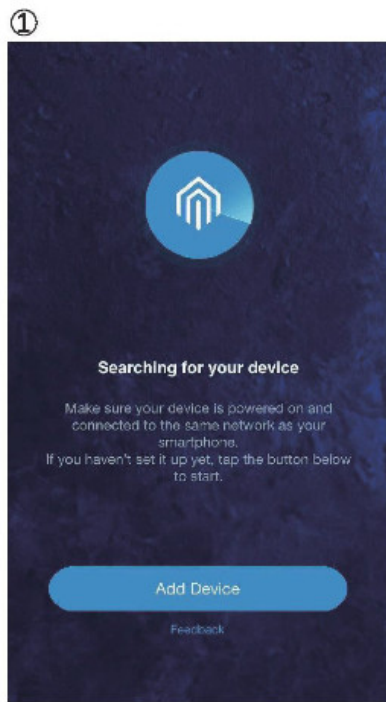Your WR-2 can be connected to your home network via wireless connection.
IMPORTANT!

- Ensure that a broadband router that supports Wi-Fi standards is available.
- Use tablets, smartphones, and other applicable devices that support iOS (Apple) or Android operating systems as mobile device controllers.
- Download and install the Omnia Receiver App to your iOS device from the App Store or your Android device from the Google Play Store.
- Update your WR-2 with the latest firmware. Go to the WR-2 product page at nuprimeaudio.com for firmware update in formation.
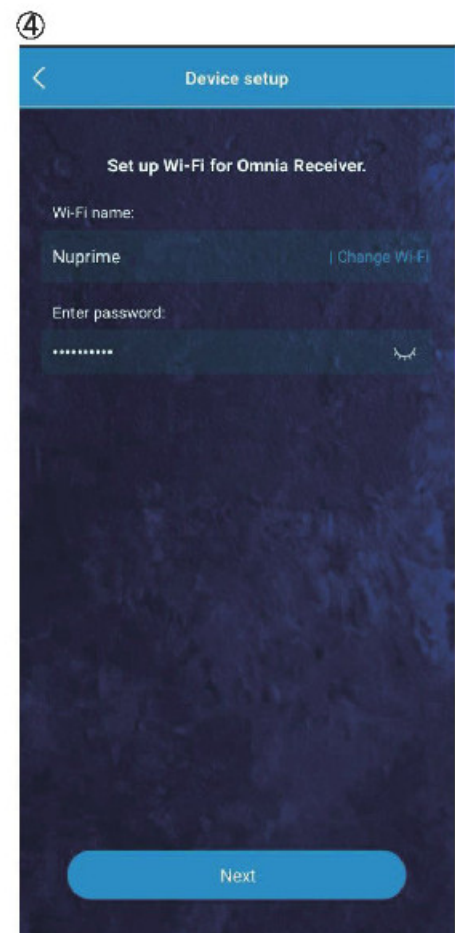
WR-2 turns on automatically when connected to power.
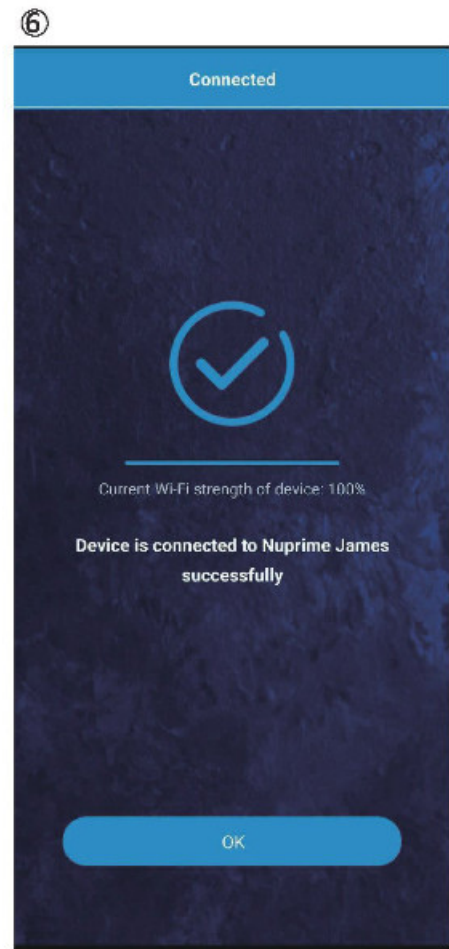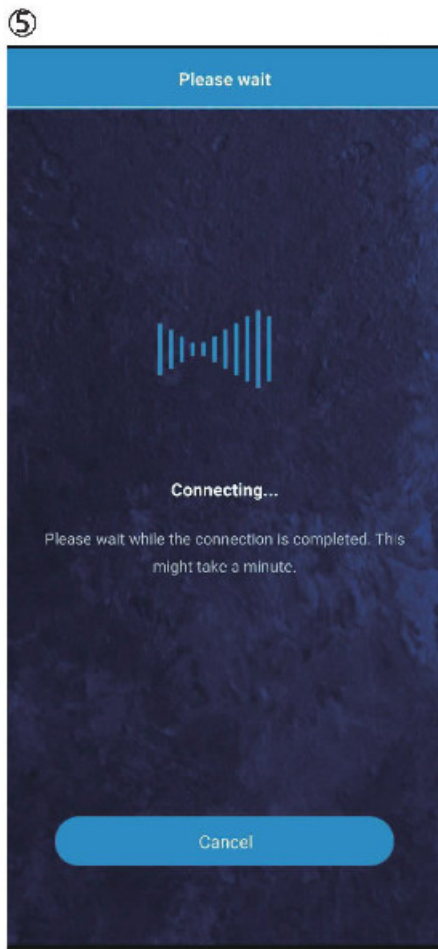
WIRELESS AUTO SETUP

1. When you first launch the Omnia Receiver App, it will automatically search for the WR-2. If it does not detect any compatible devices, the App will show the following screen:
2. If you haven't pressed the reset button on the rear panel once And follow up the App's instruction after power on, do it now.

① Searching for your device

Make sure your device is powered on and connected to the same network as your smartphone.
If you haven't set it up yet, tap the button below to start.

Add Device

Feedback

②-1 Device Setup

Press and hold the on your device for 3s until the indicator starts blinking.

WiFi Reset

Next

②-2 Device Setup

Press and hold the on your device for 3s until the indicator starts blinking.

Turn on Bluetooth to allow your NuPrime Omnia to establish connection.

OK

Next

3. Select WR-2 device (the Omnia Receiver App called all receiving devices as Speaker).

4. Configure Wi-Fi setup on WR-2 by selecting the same SSID of the Wi-Fi network on your mobile device

③ Device Setup

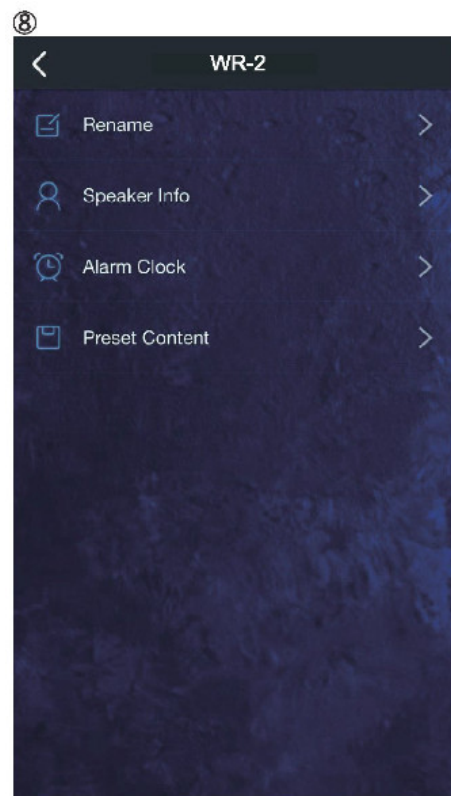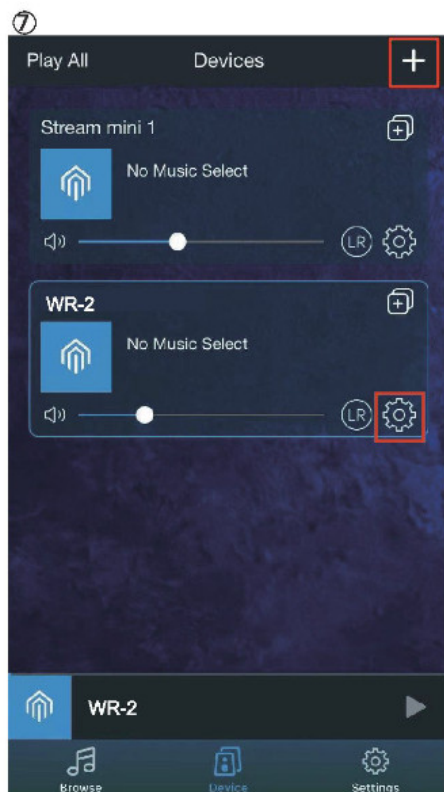We found new device

WR-2

Setup this device

④ Device setup

Set up Wi-Fi for Omnia Receiver.

Wi-Fi name:

Nuprime | Change Wi-Fi

Enter password:

....

Next

5. Wait for the WR-2 to connect to the selected Wi-Fi network

6. Device is connected.

⑤ Please wait

Connecting...

Please wait while the connection is completed. This might take a minute.

Cancel

⑥ Connected

Current Wi-Fi strength of device: 100%

Device is connected to Nuprime James successfully

OK

7. • When you choice " + ", you could add new device here (must i n the same network)

   • When you choice" ⚙ ", you could setup device and get information here.

8. You could modify/ customize the name of device and other functions here.

⑦

Play All   Devices   **+**

Stream mini 1

No Music Select

🔊 ──────●────── LR ⚙

WR-2

No Music Select

🔊 ────●──────── LR **⚙**

WR-2   ▶

Browse   Device   Settings

⑧ < WR-2

Rename   >

Speaker Info   >

Alarm Clock   >

Preset Content   >

9. Play music using the Nonprime Omnia App as a functional remote control

10. Select "Add More Services" to hide or show the list of music services. Most of these services can be entirely controlled by the Omnia Receiver App. For Spotify, you will need to have their App installed, and first use their

App to play to the Omnia Rec ever. You can then control the playlist from the Omnia Receiver App.
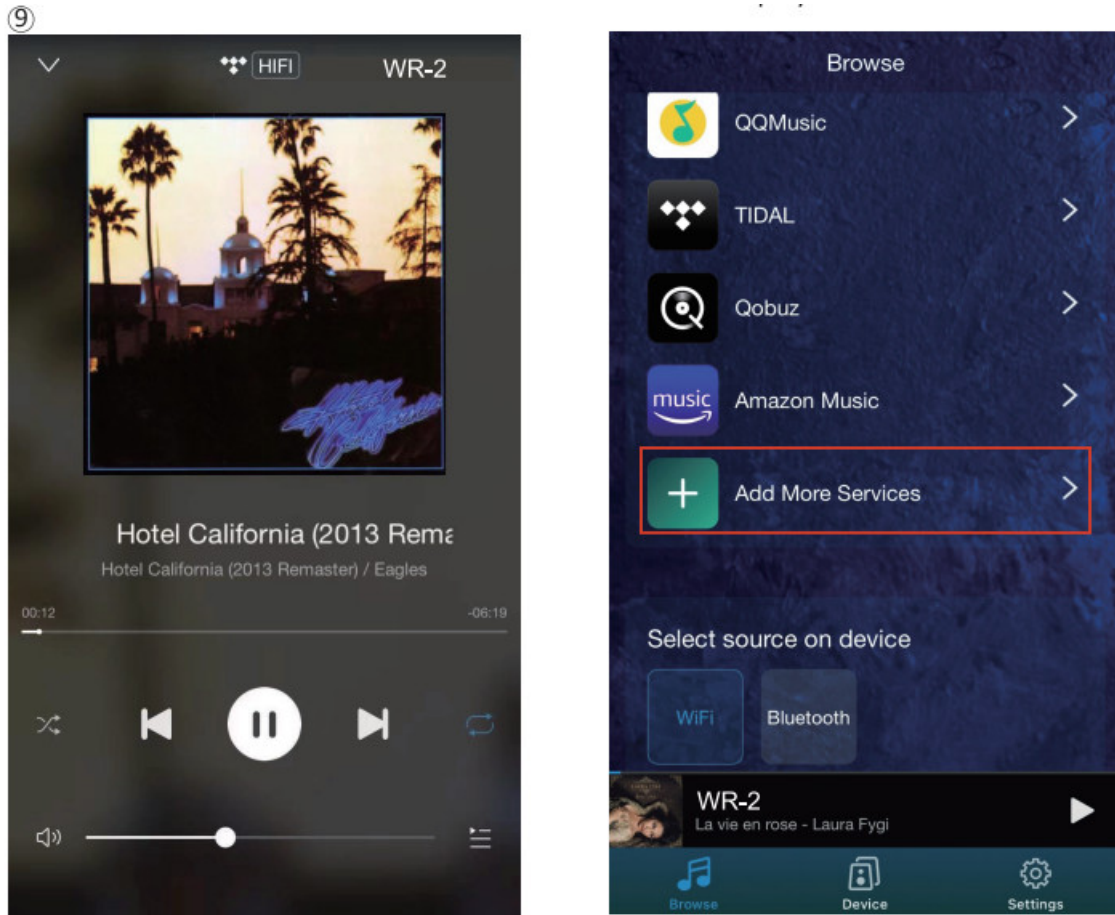
11. You could search ,chose, and e dit the play list here. Ex: When you select "MY MUSIC" you will see the number of songs that are stored on the different devices.
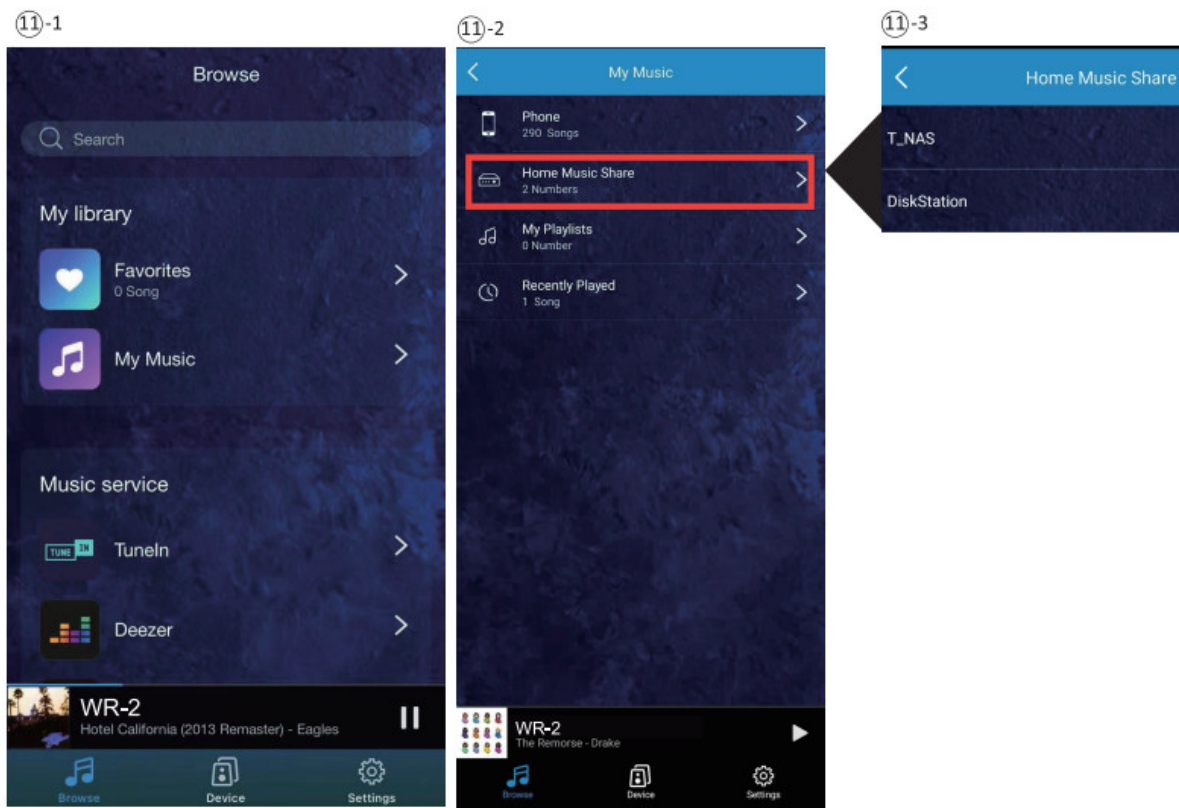
Select Bluetooth and other input segments on the APP

(12)1 When selecting Bluetooth mode for the first time, power on the WR-2 to automatically enter the Bluetooth

pairing mode (Flashing blue light on the front panel). Turn onthe Bluetooth function of the mobile device and connect to the Bluetooth pairing name "WR-2." The indicator light isa blue bright when successfully connected.
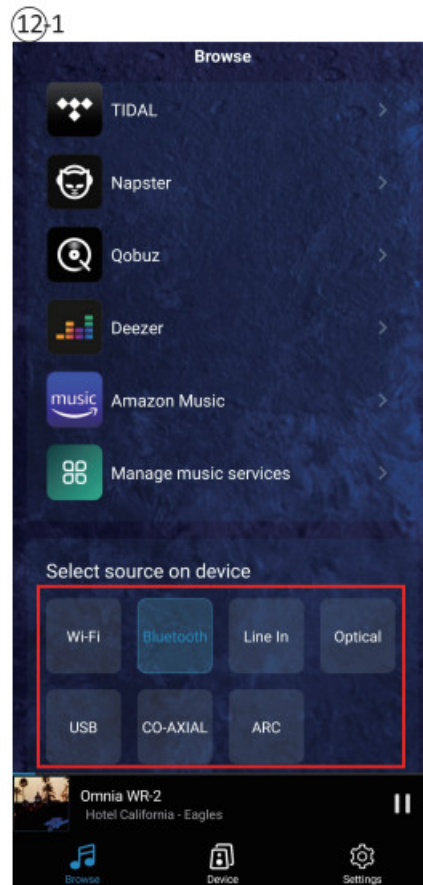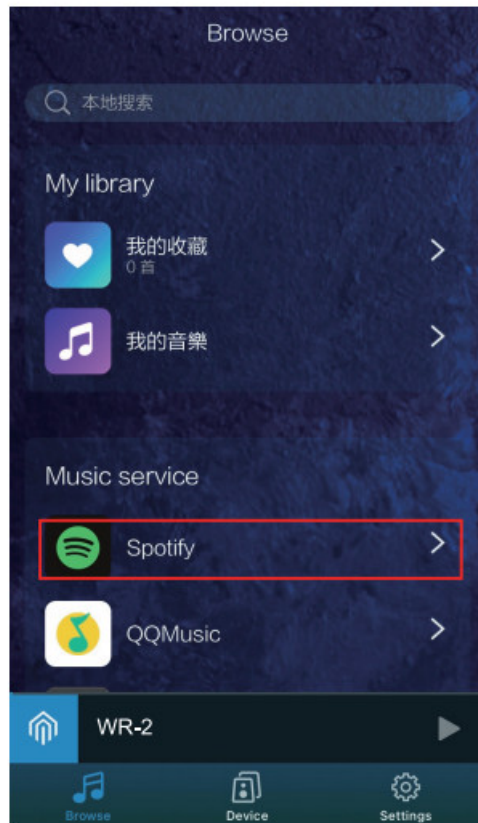

(12)2
Please select the input segment you need on the APP
Spotify Connect

Use your phone, tablet or computer as a remote control for Spotify. Go to **spotify.com/connect** to learn how.
The Spotify Software is subject to third party licenses found here: **https://www.spotify.com/connect/third-party-licenses**

SET UP Spotify App

- You'll need a phone, laptop, or tablet with the latest Spotify App.
- Add another device that supports Spotify or has the App (like a speaker or laptop).
- Connect both devices to the same Wi-Fi network, and log in to Spotify.
- Fire up the Spotify App on your phone, laptop, or tablet.
- Play a song and select Devices Available.
- Select your device and start listening.
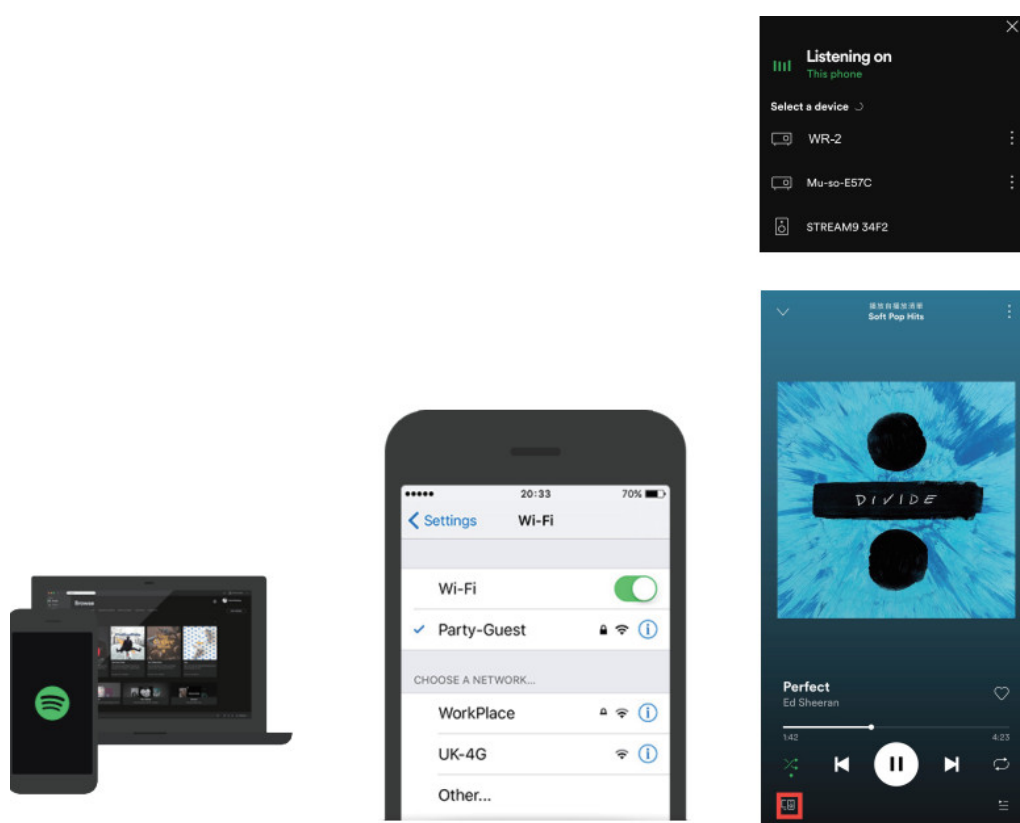
NuPrime's Limited Warranty and Limitation o f Liabilities
ADDITIONAL RIGHTS

For consumers, who are covered by consumer protection laws or regulations in their country of purchase or, if different, their country of residence, the benefits conferred by this warranty are in addition to all rights and remedies conveyed by such consumer protection laws and regulations.

This warranty does not exclude, limit or suspend any rights of consumers arising out of nonconformity with a sales contract. Some countries, states and provinces do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on how long an implied warranty or condition may last, so the limitations or exclusions described below may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by country, state or province. This limited warranty is governed by and construed under the laws of the country in which the product purchase took place.

LIMITED WARRANTY

For a period of ONE (1) YEAR from the date of retail purchase by the original end – user purchaser ("Warranty Period"), Nonprime warrants (in) this product against defects in materials and workmanship, and (ii) that each Product, unmodified and under normal use and conditions, will substantially comply with Nonprime' applicable written technical documentation for the Product. Nonprime reserves the right to make substitutions and modifications from time to time in the specifications of Products sold by Nonprime, provided that such substitutions or modifications do not materially affect overall Product performance.

If a hardware defect exists and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, Nonprime will (2) repair the hardware defect at no charge, using new or refurbished replacement parts, (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, or (3) refund the purchase price of the product. Nonprime may request that you replace defective parts with user-installable new or refurbished parts that Nonprime provides in fulfillment of its warranty obligation. A replacement product/part assumes the remaining warranty of the original product or ninety (go) 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 Nonprime's property. When a refund is given, your product becomes Nonprime's property.

OBTAINING WARRANTY SERVICE

If you purchased the product in the U.S., deliver the product, at your expense, to any Nonprime Service Center located in the U.S. If you purchased the product outside of the U.S., deliver the product to any Nonprime

Authorized Importer in the country where you purchased the product. Be aware, however, that not all countries have Nonprime Authorized Service Providers (NASP') and not all Authorized Service Providers outside the country of purchase have all parts or replacement units for the product. If the product cannot be repaired or replaced in the country it is in, it may need to be sent to a different country or returned to the country of purchase a t your expense for repair or replacement. If you seek service in a country that is not the country of original purchase, you will comply with all applicable import and export laws and regulations and be responsible for all custom duties, V.A.T. and other associated taxes and charges. Where international service is available, Nonprime may repair or exchange defective products and parts with comparable products and parts that comply with local standards.

You can always deliver the product to Nonprime's U.S.A or Taiwan service center for obtaining warranty service, however, you may have to pay for shipping cost.

Nonprime may send y o u user-installable new or refurbished replacement product or parts to enable you to service or exchange your own product ("DIY Service"). Upon receipt of the replacement product or part, the original product or part becomes the property of Nonprime and you agree to follow instructions, including, if required, arranging the return of original product or part to Nonprime in a timely manner.

When providing DIY Service requiring the return of the original product or part, Nonprime may require a credit card authorization as security for the retail price of the replacement product or part and applicable shipping costs. If you follow instructions, Nonprime will cancel the credit card authorization, so you will not be charged for the product or part and shipping costs. If you fail to return the replaced product or part as instructed or the replaced product or part is not eligible for warranty service, Nonprime will charge the credit card for the authorized amount.

EXCLUSIONS AND LIMITATIONS

This Limited Warranty applies only to hardware products manufactured by or for Nonprime that can be identified by the "Nonprime" trademark, trade name, or logo affixed to them. The Limited Warranty does not apply to any non-Nonprime hardware products or any accessories, even i f packaged or sold with Nonprime hardware. Non-Nonprime manufacturers, suppliers, may provide their own warranties. Other accessories distributed by Nonprime under the Nonprime brand name are not covered under this Limited Warranty. This warranty does not apply: (a) to damage caused by accident, abuse, misuse, misapplication, liquid contact, fire, earthquake, non-Nonprime products, or other external causes; (b) to damage caused by service performed by anyone who is not a NASP; (c) to a product or a part that has been modified without the written permission of Nonprime; (d) to consumable parts, such as batteries, or protective coatings designed to diminish over time unless failure has occurred due to a defect in materials or workmanship; (e) to cosmetic damage, including but not limited to scratches, dents, and broken plastic on ports; (f) to defects caused by normal wear and tear or otherwise due to the normal aging of the product; or (g) if any Nonprime serial number has been removed or defaced.

Important: Do not open the hardware product. Opening the hardware product may cause damage that is not covered by this warranty. Only Nonprime or a NASP should perform service on this hardware product. This warranty and remedies set forth above are exclusive and in lieu of all other warranties, remedies and conditions, whether oral or written, express or implied. Nonprime specifically disclaims any and all implied warranties, including, without limitation, warranties of merchantability and fitness for a particular purpose. If Nonprime cannot lawfully disclaim implied warranties under this limited warranty, all such warranties, including warranties of

Beyond Ordinary

Scan to register for factory warranty https://store.nuprimeaudio.com/warranty-registration/	**Scan to e-Manual** https://nuprimeaudio.com/wp-content/uploads/sites/7/Omnia-WR-2-Manual.pdf

Documents / Resources

NUPRiME Omnia WR-2 Network Audio Streamer [pdf] User Manual
Omnia WR-2, Omnia WR-2 Network Audio Streamer, Network Audio Streamer, Audio Streamer