



2.4GHz DIGITAL WIRELESS  
2.1 STEREO HEADPHONES

OWNER'S MANUAL

# IMPORTANT INFORMATION

## CAUTION

**RISK OF ELECTRIC SHOCK.  
DO NOT OPEN.**

Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.

### Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### FCC Information

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

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.

**RF Exposure Warning:** This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

### Industry Canada Regulatory Information

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.

The user is cautioned that this device should be used only as specified within this manual to meet RF exposure requirements. Use of this device in a manner inconsistent with this manual could lead to excessive RF exposure conditions.

This Class B digital apparatus complies with Canadian ICES-003. This radiocommunication device complies with Industry Canada Standard RSS-210.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Ce dispositif de radiocommunication respecte la norme CNR-210 d'Industrie Canada.

## PRODUCT INFORMATION

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the model number in case you need it. These numbers are located on the product.

Model No.: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Dealer/Address/Phone: \_\_\_\_\_

## WELCOME

Congratulations on your purchase of the 2.4GHz Wireless Headphones with 2.1 Sound. The AWD211 uses the latest in wireless transmission, 2.4GHz digital technology, that lets you enjoy crystal clear, digital audio up to 150 feet away from the transmitter. The headphones also offer a 2.1 stereo listening experience, with a dual-speaker design in each ear cup providing your own “personal subwoofer”. The headphones’ compact design and comfortable ear cups let you enjoy music and TV sound just about anywhere inside or outside your home. Easy, push-button pairing makes it simple to get started, wirelessly.

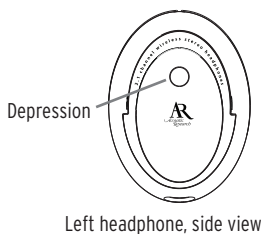
This manual covers various connection options and detailed operating instructions for setup and use of the AR wireless headphones. If, after having reviewed the instructions, you have any questions, please call toll-free 1-800-732-6866 or visit [www.araccessories.com](http://www.araccessories.com).

## SUPPLIED ACCESSORIES

This headphone system includes accessories that enable you to use your wireless headphone set in a number of ways.

- Wireless headphones (AWD211RX)
- 2.4GHz wireless transmitter (AWD211TX)
- AC power adapter
- Stereo audio cable (stereo pair to 3.5mm)
- 2 AA rechargeable batteries
- 3.5 mm to stereo (R/L) RCA jack adapter
- Instruction manual

### INSTALLING THE HEADPHONE BATTERIES



1. Find the depression in the middle of the left headphone. Press down on this area to remove the headphones' battery compartment cover.
  2. Insert the two (2) rechargeable AA batteries (included) in the left headphone, following the polarity (+ and -) diagram inside the compartment.
3. Place the battery cover back on the left headphone. Make sure it locks back into place.

**Important: DO NOT** mix batteries with different chemistry types (for example, a zinc battery with an alkaline battery). **DO NOT** mix new and used batteries. **DO NOT** leave batteries installed in the product when not in use for long periods. Always remove old, weak or worn-out batteries promptly and recycle or dispose of them in accordance with local and national regulations.

**Important:** If you are using rechargeable batteries NiMH or NiCd (such as the batteries provided), the batteries will charge when the headphones are put on the charging cradle of the transmitter. **DO NOT** put the headphones on the charging cradle of the transmitter if you installed alkaline or other non-rechargeable batteries - this could cause the batteries to leak, which would damage the headphones.

## CHARGING THE HEADSET

If you use the rechargeable batteries provided with the headphones, you should charge them before you use the headphones for the first time. The batteries charge when the headphones are placed in the charging cradle on the transmitter as shown below.

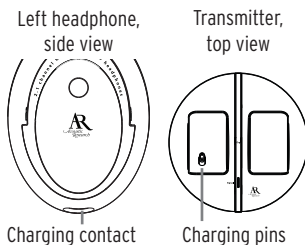
**WARNING: To avoid risk of fire or injury, DO NOT** place the headphones in the charging cradle if you installed alkaline or other non-rechargeable batteries - this could cause the batteries to leak, which would damage the headphones.

### To charge the headphones:

1. Connect the AC adapter to the power jack on the back of the transmitter. Then plug the AC adapter into a standard wall outlet or surge protector.

**Note:** This power adapter should be plugged in so that it stays vertical or lies flat.

2. Locate the charging contact on the bottom of the left headphone. Line this contact up with the charging pins on the transmitter.
3. Place the headphones in the cradle on top of the transmitter. The indicator light on top of the transmitter flashes green when the headphones are charging.



Before using your headphones for the first time, let them charge continuously for 16 hours.

### Notes about charging:

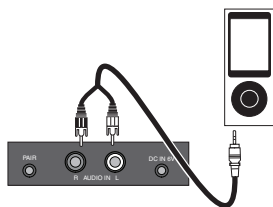
- When the batteries are charged, remember to remove the headphone from charging cradle of the transmitter.
- Never leave the batteries charging for more than 48 hours.

## SETTING UP THE TRANSMITTER

The 2.4GHz digital wireless transmitter works with a wide variety of audio sources, from portable MP3 players to A/V receivers to DVD players or gaming systems. The way you set it up depends on the kind of output you want to use on your audio source.

### **To connect the transmitter to your audio source:**

1. Before you start, unplug the transmitter.
2. Plug the white and red connectors of the stereo audio cable included into the red and white AUDIO IN jacks on the back of the transmitter. Make sure you match the red connector to the red jack and the white to the white.
3. Plug the other end of the stereo audio cable into the audio output or headphone jack on your MP3 player or other audio device.
4. Plug the transmitter back in.

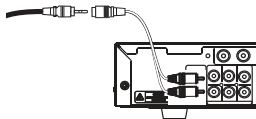


Transmitter (back panel)

**Note:** High-output sources, such as DVD players or audio receivers/ amplifiers, may cause distortion if used at full volume with the transmitter. Try setting them at 1/2 or 2/3 volume.

#### **If your audio source has stereo RCA outputs:**

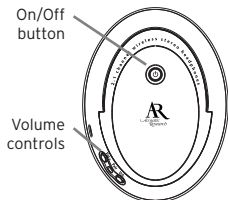
Connect the red and white plugs of the included stereo (R/L) RCA jack adapter to the audio source's line out jacks. Then plug the 3.5mm jack of the included stereo audio cable into the adapter, and connect the stereo cable to the transmitter.



## USING THE WIRELESS HEADPHONES

### Turning the Headphones On

1. Make sure the transmitter is plugged in and connected to an audio source. Start playback on the audio source. The indicator light on the top of the transmitter turns blue when a signal is transmitting.
2. Press the On/Off button on the right headphone.



Right headphone, side view

The headphones and transmitter should tune automatically in a matter of seconds—you should hear sound from the headphones. Use the volume controls on the bottom of the right headphone to adjust the headphone volume.

### **If you don't hear sound from the headphones:**

*Make sure the indicator light on top of the transmitter is blue. If it is and you still don't hear sound from the headphones, press the pair button on the back of the transmitter and the pair button on the right headphone simultaneously for three seconds.*

### **If the indicator light on top of the transmitter is not blue:**

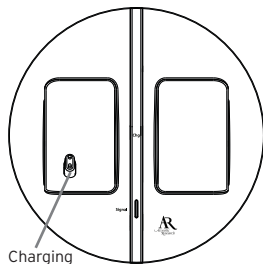
*Make sure the transmitter is plugged in and your audio source is connected to the transmitter and playing audio. If you're using a variable-level audio output (something you can set the volume on), adjust the volume on your audio source. Then adjust the volume using the Volume wheel on the right earphone.*

### Turning the Headphones Off

While you hear sound coming from the headphones, press the On/Off button. Don't forget to unplug the transmitter too!

# BUTTONS & JACKS

## TRANSMITTER



Charging contacts

### Top

**Signal LED** on transmitter illuminates blue when transmitting an audio signal. Charging starts when charging pins of transmitter touch charging contacts of headphone. The charging LED on transmitter flashes green when your headphone is charging.

The mood light will light BLUE when the headset is charging, you can turn it off by pressing the PAIR button for one second on the back panel of the transmitter.



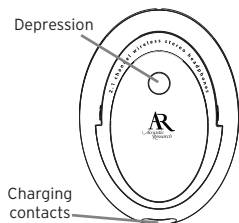
### Back Panel

**PAIR** allows you to link manually to the headphones if they do not automatically link

**AUDIO IN** jacks connect to the provided audio cable

**DC IN** jack connects to the AC power adapter

## HEADPHONES



Charging contacts

### Left Headphone

Depression releases the battery compartment door. Press down on it to access the battery compartment.

Charging contacts receive charge from the transmitter via the charging pins to recharge your headphones if you're using rechargeable batteries

Left headphone,  
side view



## USING YOUR HEADPHONES

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**Right headphone,  
side view**

**PAIR** allows you to link manually to the transmitter if they do not automatically link.

**Power** button turns the headphones on and off

**Vol** controls increase or decrease the headphone volume

### **IMPORTANT NOTE ABOUT AUDIO OUTPUTS**

If possible, use a fixed-level (or line-level) audio output from your audio source. This kind of output provides a consistent level of audio that doesn't change when you adjust the source's volume control.

Fixed-level audio outputs from stereo receivers/amps are typically designated as tape or VCR audio output connections, sometimes marked on the component as 'TAPE OUTPUT,' 'TAPE OUT,' 'TAPE REC,' or 'TAPE RECORD or REC OUT.'

Fixed-level outputs from TVs are usually marked as 'Constant,' 'Fixed,' or 'Select.' If they are not marked as such, they are probably variable outputs (see "About Variable-Level Audio Outputs" below). Outputs from DVD players are almost always fixed.

**Important:** Jacks labeled CD, DVD/DVR, PHONO, or tape playback (PB) are INPUTS and will not work with the transmitter.

### **VARIABLE-LEVEL AUDIO OUTPUTS**

A variable-level output, such as a headphone jack or certain RCA-type outputs, provides an audio signal that changes with the volume level set on the audio source. As the volume of the audio source is adjusted up and down, so is the audio signal strength sent to the transmitter. This can affect the quality of sound generated by the headphones, and may require an adjustment of the volume level of the audio source to produce a signal strong enough for the transmitter.

#### *Hints:*

- On most bookshelf-type or compact stereo systems, inserting a headphone plug into the headphone jack results in automatic cutoff of the regular, or hard-wired speakers.
- Most TVs, regardless of age or price, have variable outputs. If you are unsure which of your TV audio outputs is fixed, refer to the TV instruction manual. Some TVs have outputs that can switch between variable and fixed. When given a choice, fixed is always recommended.

### **LISTEN SAFELY!**

Enjoy your headphones at a safe volume. Avoid or limit the amount of time you listen at higher volumes—permanent hearing loss may occur if the headphone is used at too high a volume. If you experience a ringing in your ears, or your own voice and other sounds seem muffled, stop using the headphones and consult a hearing professional.

The following troubleshooting guide takes you through some of the more common problems associated with the installation and/or operation of a wireless system. If the problem persists, please call toll-free 1-800-732-6866 or visit [www.araccessories.com](http://www.araccessories.com).

### **No sound**

- Make sure the transmitter's power adapter is fully inserted into the wall outlet and the power cord from the AC adapter is firmly connected to the transmitter power input jack.
- Check that the audio source component (stereo, TV, etc.) is turned on and transmitting sound as it normally should. If you're using a PC or DVD player, make sure you've selected the correct audio output and that the sound is not muted.
- Confirm that the headphones are turned on and that the transmitter is receiving audio—the transmitter's indicator light should be blue. If the transmitter's indicator light is blue and you still don't hear sound from the headphones, press the pair button on the back of the transmitter and the pair button on the right headphone simultaneously for three seconds.
- Check that the headphone volume is turned up.
- If you're using a variable output audio source (like a headphone jack or variable output on a TV set), make sure the source component's volume is set high enough for the transmitter to detect.

### **Interrupted sound**

- Move closer to the transmitter with the headphones on. Sending the signal through certain materials, such as glass, tile, and metal, can decrease the effective transmitting distance of the system.

### **Distorted sound**

- High-output sources, such as DVD players or audio receivers/amplifiers, may cause distortion if used at full volume with the transmitter. Try setting them at 1/2 or 2/3 volume.

# SPECIFICATIONS

## Transmitter

Omni-directional 2.4GHz digital broadcast

Effective transmitting range:

up to 150ft. (45m)\*

RF output:  $\leq$ 20dBm

Audio inputs: RCA stereo jacks

Runs on AC power adapter

\*Maximum range; results may vary according to environment.

## Headphones

Frequency response: 20Hz-20kHz

Signal to Noise ratio: 75dB

Distortion (THD): 0.5%

Channel separation: 60dB

Battery type: 2 AA (rechargeable batteries included)

## 12 MONTH LIMITED WARRANTY

Audiovox Electronics Corporation (the "Company") warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced (at the Company's option) without charge for parts and repair labor. To obtain repair or replacement within the terms of this Warranty, the product along with any accessories included in the original packaging is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below. Do not return this product to the Retailer.

This Warranty is not transferable and does not cover product purchased, serviced or used outside the United States or Canada. The warranty does not extend to the elimination of externally generated static or noise, to costs incurred for the installation, removal or reinstallation of the product. The warranty does not apply to any product or part thereof which, in the opinion of the company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident or exposure to moisture. This warranty does not apply to damage caused by an AC adapter not provided with the product, or by leaving non-rechargeable batteries in the product while plugged into an AC outlet.

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

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