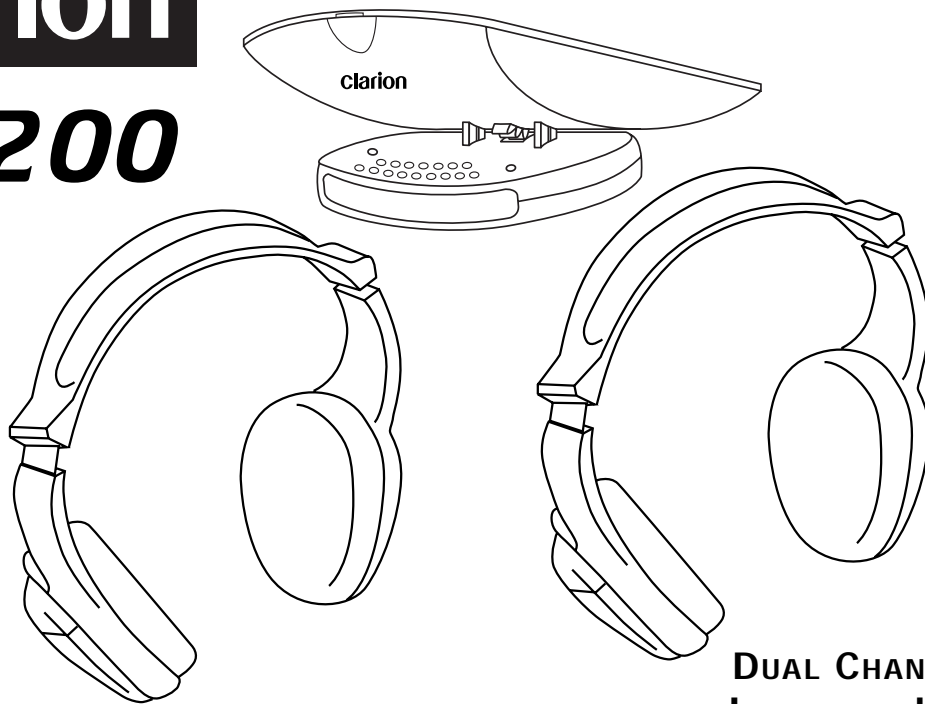


**Clarion®**

***WH200***



**DUAL CHANNEL STEREO  
INFRARED HEADPHONES**

**OWNER'S MANUAL**  

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**INSTALLATION GUIDE**



**WARNING!**

**THE CLARION WH200 DUAL INFRARED HEADPHONES ARE DESIGNED FOR LISTENING TO VIDEO OR AUDIO SOURCES FOR REAR SEAT PASSENGERS ONLY.**

**THIS PRODUCT IS NOT INTENDED FOR USE BY THE DRIVER WHILE THE VEHICLE IS IN MOTION SINCE SUCH USE MAY DISTRACT THE DRIVER OR INTERFERE WITH THE DRIVER'S SAFE OPERATION OF THE VEHICLE AND MAY RESULT IN SERIOUS INJURY OR DEATH. SUCH USE MAY ALSO VIOLATE STATE LAW.**

**CLARION DISCLAIMS ANY LIABILITY FOR ANY BODILY INJURY, INCLUDING FATALITIES, OR PROPERTY DAMAGE THAT MAY RESULT FROM ANY IMPROPER OR UNINTENDED USES OF THIS PRODUCT.**

**ABOUT INSTALLATION**

Installation of mobile audio and video components requires experience with a variety of mechanical and electrical procedures. Even though this manual provides general installation and operation instructions for your new Clarion WH200 Dual Channel Infrared Headphones, it does not show the exact installation methods for your particular vehicle.

If you do not have the required knowledge and experience to successfully complete the installation, we strongly recommend consulting an authorized Clarion Pro Audio dealer about professional installation options.

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## Clarion WH200 DUAL CHANNEL INFRARED HEADPHONES

### INTRODUCTION

The Clarion WH200 is a full-featured Dual Channel Infrared Headphone System specifically created for the mobile environment. The WH200 frees you from the tangle of headphone wires and lets you enjoy music or TV audio without the clutter of cables. To ensure the best performance of your system, please read this manual carefully.

When used with the enclosed pair of individual headphones, the system allows independent source selection of two audio channels (ex: audio or video sources), each capable of playing a different high-fidelity stereo program. Each headphone allows for independent volume and source selection to provide individual and private listening.

### **Additional Headphones**

The Clarion WH200 allows users to take full advantage of the benefits of infrared audio transmission and its ability to operate multiple headphones from one single transmitter. There is no need for Y-adapters, complex installation, or concerns over electrical overload. Additional headphones, **WH200H**, are available through your local Clarion Audio Dealer.

### **Special Features**

- Automatic Level Control prevents input signal overloading.
- Uses high frequency infrared light to assure a clean signal for clear reception.
- Power Indicator LED.
- Two Channel Input Operation.
- Auto ON/OFF Micro Switch.
- Independent Volume Controls.
- Independent A/B Channel Selection Switches.

### **About The Manual And Warranty**

To start enjoying your new Clarion WH200 system, please read all remaining instructions listed in this manual. Keep all instructions for future reference.

This product is covered by a limited warranty (see the enclosed warranty card). **Save the sales receipt to protect your purchase and aid in warranty service.**

**DESCRIPTION OF CONTROLS AND INDICATORS**

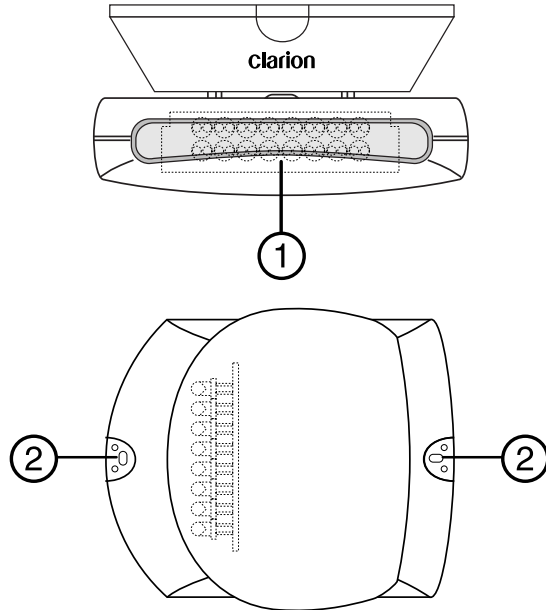


Figure 1. The WH200 Transmitter descriptions.

***Infrared Transmitter***

- ① IR Array window  
Point Infrared LED array window toward users.
- ② Mounting hole locations (covers removed)  
Use M4x12 sheet metal screws to attach IR Transmitter.  
(see *Mounting Description on page 7*).

**IR TRANSMITTER SPECIFICATIONS**

***General Specifications***

- Power Requirement: 12 volts dc
- Power Consumption: 1 watt, Power On
- Dimensions (*w x h x d*): 3.75 x 1.89 x 4.72 in.  
Mounting Base (95 x 48 x 120 mm)
- Mounting Holes: 3.86 in.  
(to centers) (98 mm)
- Supplied Accessories: (2) M4x12 Sheet Metal Screws,  
(1) 5-pin Power/Channel A Molex,  
(1) 3-pin Channel B Molex  
(2) Plastic Screw cover inserts.

## Clarion WH200 DUAL CHANNEL INFRARED HEADPHONES

### DESCRIPTION OF HEADPHONE CONTROLS

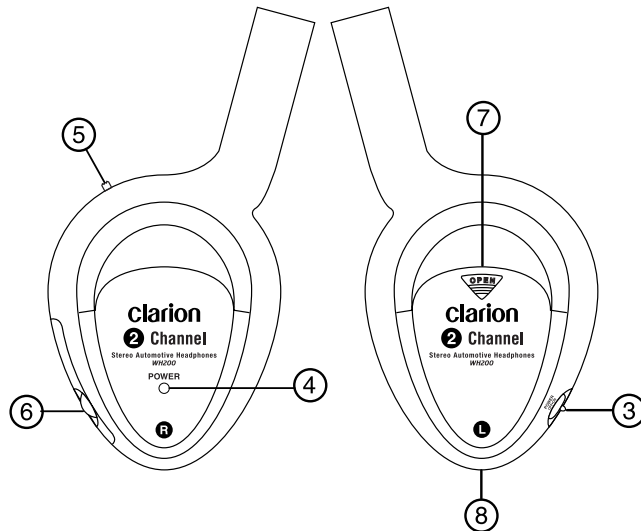


Figure 2. The WH200 IR Remote Headphone controls and indicators.

### **Infrared Headphones**

- ③ POWER Switch  
Main power switch turns headphone power off to prevent accidental micro switch activation during storage.
- ④ POWER Indicator  
When illuminated the headphones are fully functional. The indicator will turn off when the headphones are removed or when the power switch is turned off.
- ⑤ CHANNEL SELECTION A/B Switch  
Allows user to choose the audio source.
- ⑥ VOLUME Control  
Allows user to set individual listening levels.
- ⑦ BATTERY Compartment  
Remove the cover and place 2 Alkaline AAA batteries in the compartment. (See page 5 for information).
- ⑧ MICRO Switch  
Turns the headphones ON when placed on the user's head and turns OFF the headphones when removed.

**BATTERY INSTALLATION**

1. Open the battery compartment by sliding the cover toward the bottom of the Headphone.
2. Place two (2) alkaline AAA batteries into the battery compartment of the Headphones, making sure that the battery polarity is correct.
3. Snap the battery cover back into place.

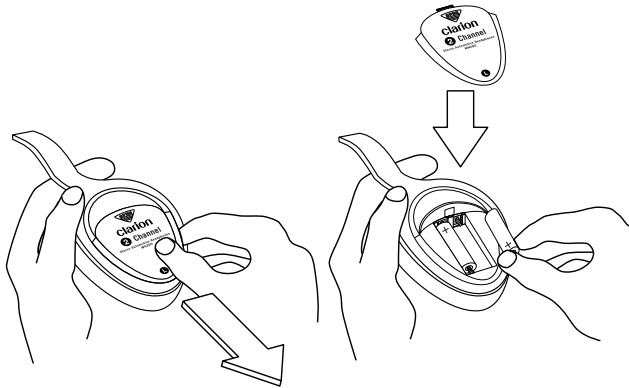


Figure 3. The Remote Headphone Battery Installation.

**OPERATION DESCRIPTION**

**PLEASE READ CAREFULLY TO PREVENT DAMAGE TO THE HEADPHONES OR YOUR EARS.**

1. Be sure batteries are properly installed in the Headphones.
2. Turn the Headphone volume nearly off before turning on the power switch.
3. Turn the Headphone power switch to the ON position.
4. Place the headphones on your head and the power indicator will illuminate.
5. Adjust the Headphone volume to a comfortable listening level.

**Channel A/B Selection Switch**

1. Select the appropriate channel (A/B) for the desired audio source signal.

*NOTE: Remove headphones and lower volume before switching between channels. The signal on one channel may be louder than the other, resulting in possible hearing damage.*

## Clarion WH200 DUAL CHANNEL INFRARED HEADPHONES

### OPERATION PRECAUTIONS:

- Do not allow liquids or foreign objects to enter the WH200 IR Transmitter or Headphones.
- If any unit should become wet, turn off all power and let your authorized Clarion Pro Audio dealer clean or service the equipment.

**DO NOT ATTEMPT TO OPEN OR SERVICE THE IR TRANSMITTER OR HEADPHONES. THE INTERNAL PARTS ARE NOT USER-SERVICEABLE. DOING SO WILL VOID THE WARRANTY.**

- Do not drop or excessively jar the WH200 headphones.
- Do not use liquid cleaners on any surfaces. Only use a soft (cotton or other non-static) cloth to wipe off fingerprints.
- Do not subject the unit to direct sunlight or an extremely hot environment (e.g., closed windows on a hot summer day, direct path of heater vent, etc.).
- Avoid using the products under the following conditions:

- After extended parking on an extremely hot or cold day
- Near strong magnetic fields
- In an environment with excessive humidity, dust, or vibration (e.g., off-road travel, etc.)

### INSTALLATION PRECAUTIONS

- This unit operates on an automotive 12-volt negative ground power source and requires additional mobile audio and video components for proper operation.
- Before installation, disconnect the (–) negative lead from the vehicle's battery.
- Use only supplied screws and hardware. Make sure all connections and components are fastened securely.
- At the proposed installation sites, make sure there is adequate space to accommodate the WH200 IR Transmitter (see *Mounting on page 7*).
- Use extreme caution when drilling around electrical wiring, brake lines, and fuel lines. Check clearances on both sides of a planned installation surface before drilling



any holes or installing any screws.

- Always wear protective eyewear when using tools.
- Use only high-quality RCA cables that are no longer than necessary. Extra-length audio and video cables can cause signal loss and act as an “antenna” for noise.
- When routing RCA cables, keep them away from power cables and output speaker wires.
- If a fuse needs replacement, use the same value as the original. Do not substitute another rating.

**MOUNTING DESCRIPTION**

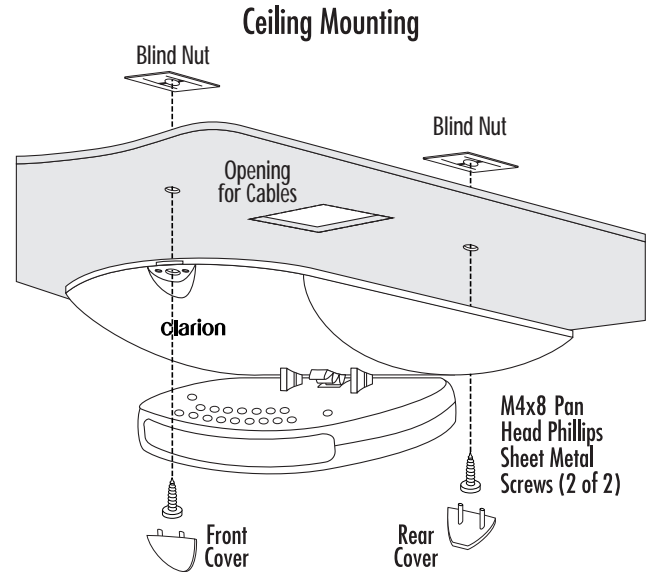


Figure 4. The WH200's input connectors and wiring.

# Clarion WH200 DUAL CHANNEL INFRARED HEADPHONES

## WIRING DESCRIPTION

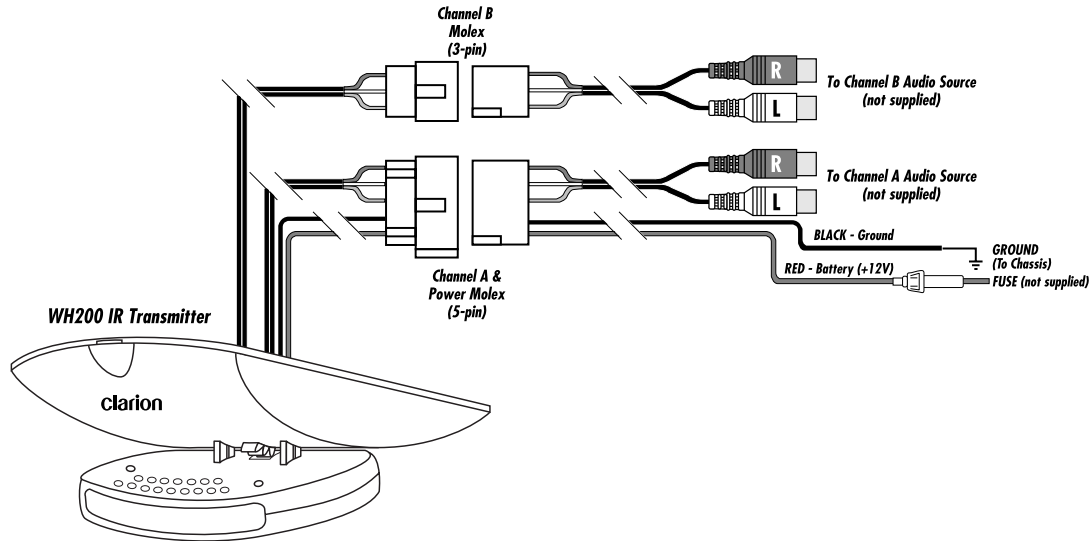


Figure 5. The WH200's input connectors and wiring.

**TROUBLESHOOTING**

<b>Symptom</b>	<b>Cause</b>	<b>Solution</b>
System does not work.	Fuse is blown.	Replace external fuse with the same value.
Headphone indicator illuminated but no sound.	Power wires not connected.	Check Battery and Ground wiring at transmitter.
No power indicator on headphone.	Batteries not inserted.	Insert (2) Alkaline AAA batteries into headphone.
	Battery polarity improper.	Insert Batteries with proper polarity.
No sound from headphone.	Wrong audio channel selected	Select the proper audio channel. ( <i>see Page 5</i> )
	Micro switch not activated.	Place headphone on head to activate Micro switch.

**FCC STATEMENT**

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 automotive installation. This equipment generates, 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 in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be verified by turning the unit off and on, the user is encouraged to consult the dealer or an experienced radio/television technician for help.

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