



OWNER'S MANUAL

AMPLIFIED WIRELESS TV LISTENING SYSTEM with Dual Ear Volume Control



Model CS2001M
2.3MHz Frequency

INTRODUCTION

Our wireless infrared system allows you to listen to your TV, stereo, radio, or any other audio source at a volume that is comfortable for you without disturbing others in the room. Use it if you are hard of hearing or if you simply want to watch television when someone else is sleeping.

Infrared technology is considered to be the best and clearest for sound transmission and our headphones are lightweight for maximum comfort.

The installation is very easy. Simply determine which type of installation suits your needs best. Please review the installation choices that appear in this manual and determine which features your television has before setting up your ClearSounds® CS2001M.

If you are having difficulty,
please call our help desk at

1-800-965-9043

Monday-Friday, 8:30AM - 5:00PM CST

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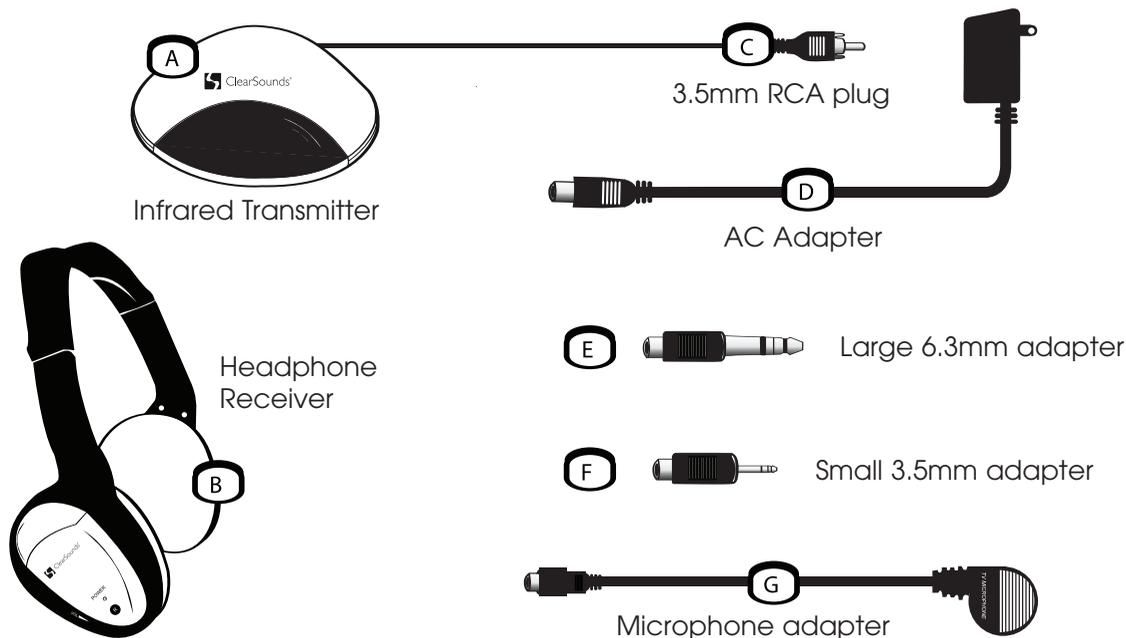
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HOW IT WORKS

The transmitter sits on your audio source (TV/VCR, stereo, etc.) and transmits an audio signal via infrared light. The receiver in the headphones captures the infrared light waves and converts them back into sound. You adjust the volume on the cordless headphones to suit your personal needs. Multiple headphones can be used with one transmitter.

COMPONENTS

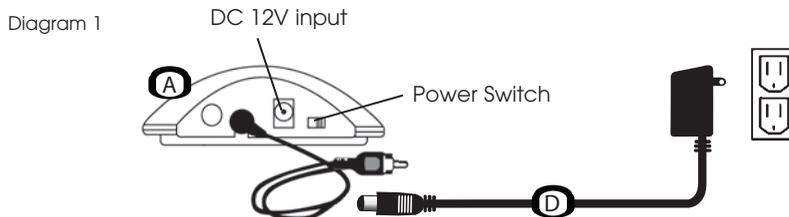


INSTALLATION

How you install your CS2001M will depend on what type of equipment you have. It is important to note that because not all TVs are the same, when you plug something into the audio output jack, one of two things will happen.

1. The sound from your television will be automatically cut off and nobody else in the room will be able to hear the TV. This is okay if you don't want anyone else to be able to hear the television but not if you just want to listen at a higher volume than others in the room. To have the sound continue to come out of your television speakers, you must either use the microphone adapter or connect the transmitter to your DVD player, cable box, or VCR (see VCR installation).
2. The sound will continue to come out of the TV speakers. This is okay if other people want to listen as well, but not if you want to be able to hear exclusively through your headphones. If you turn the volume down a lot, you may reduce the signal going into the TV's audio output jack(s) (see Muting the Television Sound).

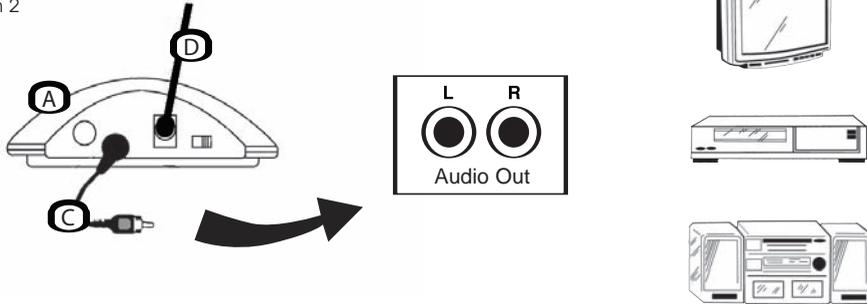
First, for all installations, insert the plug of the AC adapter (D) into the DC 12V input connection on the back of the infrared transmitter (A) as shown in Diagram 1 and then plug the adapter into your electrical outlet. Now choose the installation that matches your equipment.



Stereo and Mono Installation

If your television has audio output jacks, plug the transmitter directly into your television using the RCA plug (C). If your TV has dual left and right audio output jacks, insert the plug into the left (white) audio output jack.

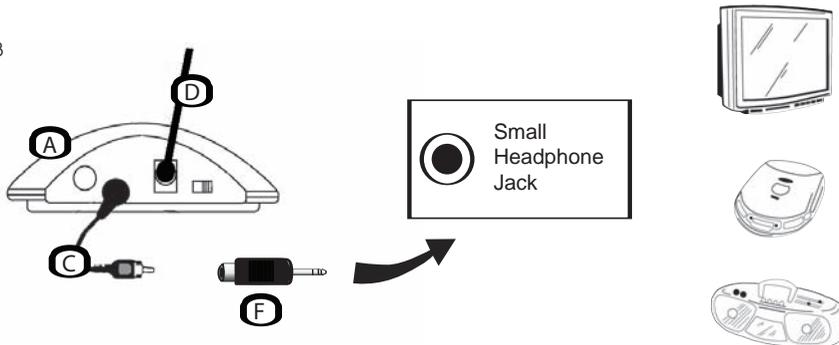
Diagram 2



SMALL HEADPHONE JACK INSTALLATION

To connect to a radio or MP3 player with a small 3.5mm headphone jack, use adapter F. Connect plug C into adapter F and insert it into the headphone jack on your audio device.

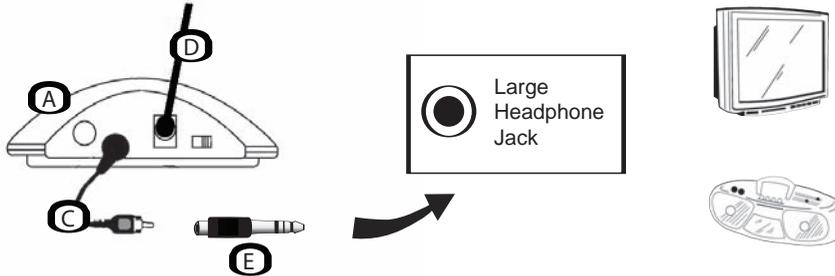
Diagram 3



Large Headphone Jack Installation

If your audio device has a large 6.3mm headphone jack, use adapter E. Connect plug C into adapter E and insert it into the large headphone jack on your audio device.

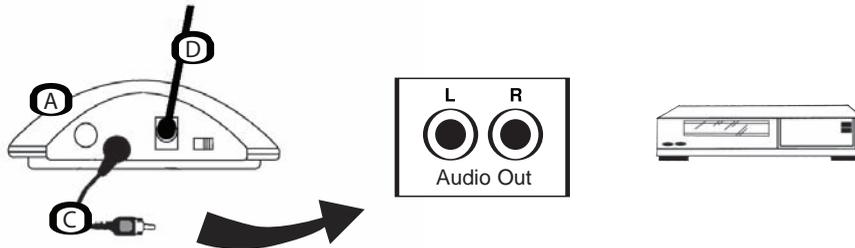
Diagram 4



VCR Installation

Follow these instructions when you have cable passing through your VCR and no other audio output jacks are available. The VCR must be on before beginning this installation. Plug the transmitter into the audio output jack on your VCR using plug C. Your VCR must say on when using the headphones.

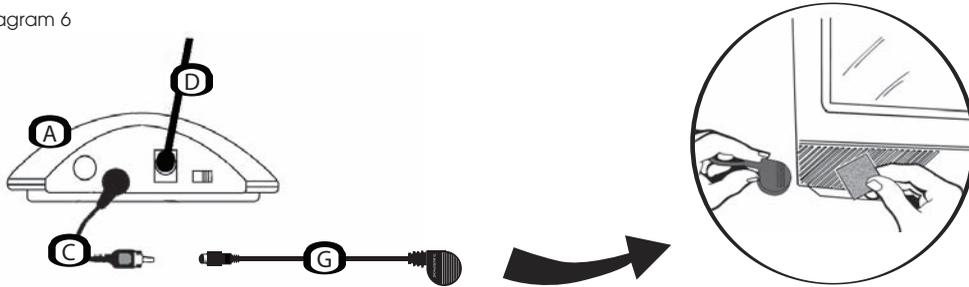
Diagram 5



Microphone Installation

Follow these instructions when your equipment does not have any audio output jacks. Connect plug C into the microphone adapter (G). Affix the microphone directly over the speaker of your television by peeling the tape off the back of the adhesive. For this installation, you will have to keep your television at a very low volume.

Diagram 6

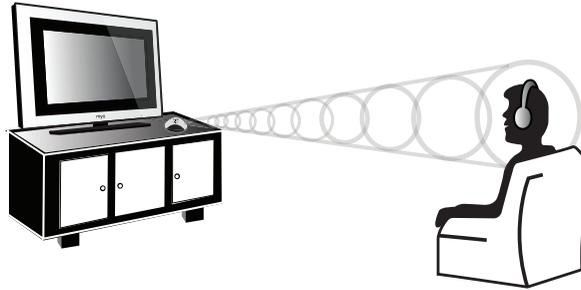


As an alternative to using the microphone, if your television has a cable box, locate the audio output jack on the back panel of the cable box. Plug the transmitter into the jack and mute the TV using the mute function on your TV remote. Once the TV is muted, the headphones can be used exclusively to pick up the sound

PLACEMENT OF THE TRANSMITTER

Turn on the infrared transmitter. Four red lights on the front of the transmitter will illuminate. The infrared light rays are emitted in a conical shape. For best results, place your transmitter above your TV. The transmitter will work best if it is within 33 feet (10 meters) from the headphone receiver. There should not be anything obstructing the transmission of the infrared light rays to the receiver.

Diagram 7



ACTIVATING THE HEADPHONES

Place two AAA batteries into the battery compartment in the left earpiece of the headphone matching positive to positive and negative to negative. Do NOT mix old and new batteries. Do NOT mix alkaline and rechargeable batteries. Turn on the headphones making sure there is an unobstructed line of sight between the headphones and the transmitter. Adjust the television volume and the headphone volume to a comfortable listening level.

MUTING THE TELEVISION SOUND

Many televisions have speaker switches located on the back panel. If your television has one and you want to keep the sound muted, move this switch to the OFF position and listen to your TV exclusively through the headphones.

Some televisions have speaker switches that can only be controlled by the remote control. If your television falls into this category, press Menu on the TV remote and locate SPEAKER on the screen menu. Switch SPEAKER to the OFF position and listen to the TV exclusively through the headphones. To find out if your television has this function, refer to your owner's manual.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE
Red power light is not on	<ul style="list-style-type: none">- AC adapter is not plugged into electrical outlet- AC adapter is not plugged into transmitter
No sound from headphones	<ul style="list-style-type: none">- Audio cord is not plugged into the audio source- There is no audio output from the audio source- Transmitter is not on- Headphones are not on- Headphones have no batteries- Batteries are inserted incorrectly- Batteries are dead and need to be replaced
Self-testing of system	<ul style="list-style-type: none">- Hook up the microphone to the transmitter and speak into the microphone. You should hear your voice in the headphones and you will confirm the unit is working.
Sound too low	<ul style="list-style-type: none">- Headphone volume control is too low- Batteries are weak and need to be replaced
Poor sound	<ul style="list-style-type: none">- Infrared sensor in headphone is not in line with transmitter- Batteries are weak and need to be replaced- Headphone volume control needs to be adjusted
Static	<ul style="list-style-type: none">- Infrared sensor in headphone is not in line with transmitter

TECHNICAL SPECIFICATIONS

Transmission Mode: 850 nanometers
Operating Voltage: 12V AC adapter for transmitter
2 AAA batteries for headset
Frequency Response: 50Hz-10000Hz
Distortion: 1% THD
S/N Ratio: 45dB (4M)
Battery Life: Up to 50 hours
Maximum Operating Distance: 33 feet
Input: Jack - 3.5mm male
Warranty: 1 year limited warranty

FOR YOUR WELL-BEING

Medical experts advise against playing any audio device at a high volume for continuous and extended play. If you hear a ringing in your ears, reduce the volume immediately or discontinue use. The information in this manual is intended as general information and corresponds to the technical status at the time of printing. The manufacturer reserves the right to make changes without notice.

LIMITED WARRANTY

Your CS2001M is warranted against defects for a period of 12 months from the original date of purchase.

IN-WARRANTY PROCEDURE

In the event service is required due to a defect or malfunction during the warranty period, ClearSounds® will replace or repair the warranted product. The repair or replacement of the defective item will be free of charge excluding a \$7.00 fee for packing, handling, insurance, and return postage. Repair or replacement of the defective item is subject to verification of the malfunction or defect when delivered to the ClearSounds® Service Center listed below.

NOTE: Prior to returning any CS2001M to the ClearSounds® Service Center, REPLACE THE EXISTING BATTERIES WITH NEW ONES. Defective batteries are the leading cause of problems with this item and are not covered by the limited warranty.

Enclose proof of purchase and check or money order for the sum of \$7.00 payable to ClearSounds®.

Mail the package postage prepaid to the following address:

ClearSounds® Service Center
8160 S. Madison St.
Burr Ridge, IL 60527

NOTE: The warrantor expressly disclaims liability for incidental, consequential, or special damages of any nature. (Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusive may not apply to you.) This warranty does not cover (1) A defect that has been caused by repair or modifications; (2) A defect caused by incorrect installation of/or defective batteries; (3) Damage resulting from improper operation; and (4) Batteries.

**Need Help Hearing
on the Telephone?**

Visit www.clearsounds.com



8160 S. Madison Street

Burr Ridge, IL 60527

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