

Fitness Entertainment Solutions

FM Receiver Manual and User Guide ARG-OM-005-2014 – Rev B



Updated: 1/5/2017

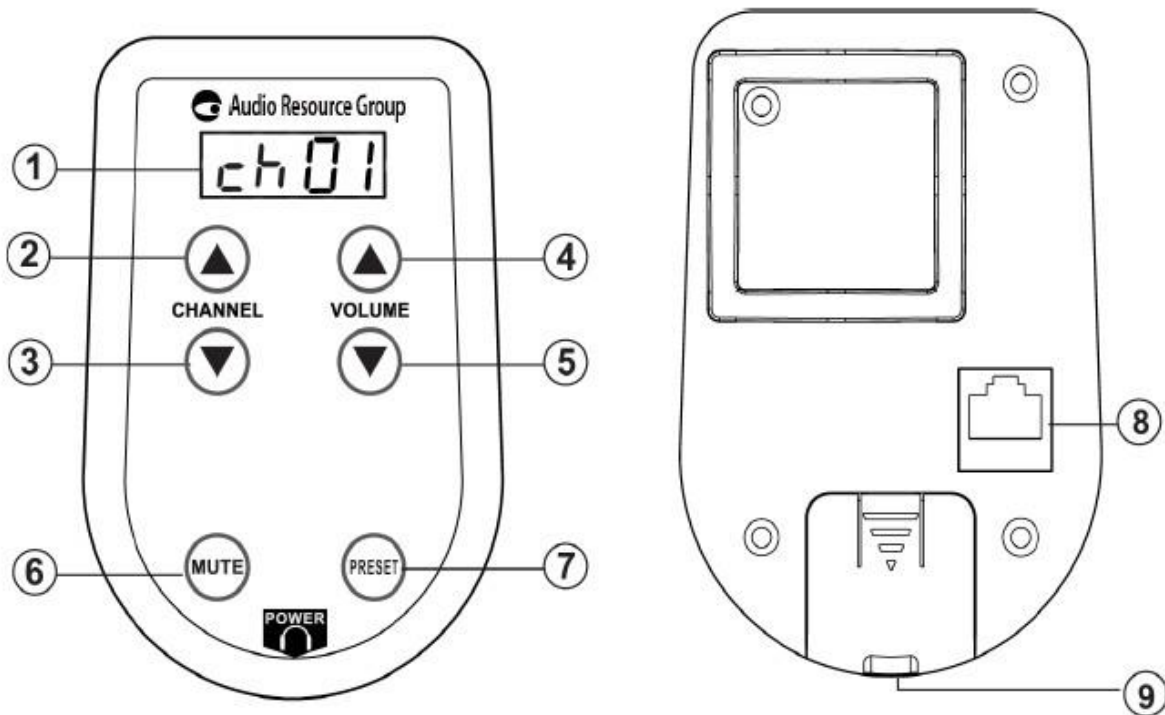
Unpacking the box – Inside the box of your new transmitter you will find the following items.

1. The FM Radio receiver housing and headphone module
2. The user manual(ARG-OM003)
3. Three 11" x 3/16" black cable ties (ARG-ZT001)

Optional Accessories

1. Short coiled C-SAFE cable (ARG-CA010)
2. Long coiled C-SAFE cable (ARG-CA009)
3. Removable headphone jack module in 10 pack (ARG-HJ3B-010)
4. 12VDC C-SAFE Power supply (ARG-PS009)

FM Radio Receiver Diagram



- | | |
|------------------------|-------------------------|
| 1. LED Display | 6. Mute Button |
| 2. Channel Up Button | 7. Preset Button |
| 3. Channel Down Button | 8. RJ45 Connector |
| 4. Volume Up Button | 9. 3.5mm Headphone Jack |
| 5. Volume Down Button | |

MOUNTING INSTRUCTIONS:

The ARG FM receiver is a universal unit designed to be compatible with most makes and models of cardio equipment. To mount the Receiver:

1. Determine the appropriate location to mount the receiver to the cardio equipment. Take note the range of motion of the components of machine and make sure the placement of the receiver and its cabling will not interfere with operation of the machine or any safety features.
2. Slide the cable ties through the appropriate holes in the mounting cleat on the underside of the receiver. (Top to bottom if mounting to a horizontal bar or side to side if mounting to a vertical bar.)
3. Wrap and thread the cable ties around the bar on the cardio machine at the pre-determined location. Pull the ties tightly around the bar so the receiver does not move or rotate. Be careful not to over-tighten the ties to avoid cracking the mounting cleat or case of the receiver. Trim off the excess ends of the cable ties.
4. Connect the power cable to the receiver. The receiver can be powered by either a C-SAFE power outlet on the cardio machine or an A/C power converter that can be plugged into the wall/floor. (Power adapters and

cables are not included and must be ordered separately.) If using a C-SAFE connection: connect one end of the Cat-5 cable to the C-SAFE port on the cardio machine. (Check with the equipment manufacturer to make sure the machine has this feature and for location of the outlet.) The other end of the cable connects to the RJ45 receptacle on the back of the receiver. If using an A/C power supply: locate a standard 110V outlet and plug the 12V A/C adapter side into the outlet and the RJ45 plug into the receptacle on the back of the receiver. Make sure to route the cord for either option appropriately to avoid interference with any of the functions or safety features of the cardio machine.

OPERATING INSTRUCTIONS:

POWER ON/OFF:

The receiver is powered on and off by inserting the headphone plug into the headphone jack. When the headphones are plugged in, the receiver will turn on. When the headphones are unplugged, the receiver will turn off after several seconds.

SELECTING THE LISTENING FREQUENCY:

The receiver's LED display will show the FM frequency or the preset channel number it is tuned to. Pressing the "PRESET" button (Diagram #7) will switch the display between the frequency number and the preset channel number. In the user mode, select the desired frequency by pressing the "CHANNEL UP" (Diagram #2) or "CHANNEL DOWN" button (Diagram #3) on the front of the receiver. The "CHANNEL UP" button will make the frequency step up by 0.1MHz. The highest frequency available is 107.9MHz. The "CHANNEL DOWN" button will make the frequency step down by 0.1MHz. The lowest frequency available is 88.1MHz. Press and hold either of the channel buttons, the receiver will "scan" up or down for a receivable channel and stop at the first one it finds.

ADJUSTING THE LISTENING VOLUME:

Press the "VOLUME UP" button (Diagram #4) or "VOLUME DOWN" button (Diagram #5) to raise or lower the volume level. When the receiver is powered on, the volume will default to 07. The volume can be set between the range 0 and 16.

Pressing the "MUTE" button (Diagram #6) will mute the sound and the volume number will flash in the display. Press the "MUTE" button a second time to restore the sound to the previously selected level.

PROGRAMMING THE PRESET CHANNELS:

The ARG FM Receiver has the ability to program up to 20 presets. This allows the user to quickly scroll through the frequencies to transmit the sound from TV/audio devices. (This is similar to the station presets on a car radio.) The receiver can always be tuned to a frequency manually but assigning presets makes switching between channels easier. Follow these steps to set the presets on the receiver:

1. Activate the programming mode by pressing and holding the "VOLUME UP" and "VOLUME DOWN" buttons simultaneously for three seconds. The second from left and extreme right decimal points will illuminate in the display to indicate when the receiver has entered the programming mode.
2. Select the frequency preset by pressing the "CHANNEL UP" or "CHANNEL DOWN" buttons until it shows in the display.
3. Select the preset number (ch01 – ch20) to assign the frequency by pressing the "VOLUME UP" or "VOLUME DOWN" button until it shows in the display. (Usually ch01 to start.)
4. Press the "PRESET" button to save the setting. To make it easier to do the initial setup, each time you press the "PRESET" button, the preset channel number will automatically advance by one number. (ch01 will advance to ch02, ch02 will advance to ch03, etc.)
5. Repeat steps 2 to 4 to assign all the FM frequencies you want to use in your facility to a preset channel number. If a mistake is made or you want to delete a preset altogether, select the preset channel number that is wrong or needs to be deleted and press the "MUTE" button. This will delete the frequency that had been assigned in error. Don't forget to re-save the correct frequency or the receiver will skip that preset number when scrolling through the list.
6. When all the FM stations have been programmed, remove headphones from the plug and disconnect the power source from the back of the receiver. The display will flash 5 times and then power down. The receiver will save all presets and return itself to the user mode. Re-connect the power source and receivers (complete with preset channels) are ready to use.

For example, set three televisions in your facility equipped with FM transmitters to following frequencies: 88.5, 91.3, and 92.7.

1. Press and hold the "VOLUME UP" and "VOLUME DOWN" buttons at the same time for three seconds to enter the programming mode. ("c.h01." will show in the display)
2. Select the frequency "88.5" with the "CHANNEL UP" or "CHANNEL DOWN" buttons.
3. Press the "PRESET" button. ("c.h02." will show in the display)
4. Select the frequency "91.3" with the "CHANNEL UP" or "CHANNEL DOWN" buttons.
5. Press the "PRESET" button. ("c.h03." will show in the display)
6. Select the frequency "92.7" with the "CHANNEL UP" or "CHANNEL DOWN" buttons.
7. Press the "PRESET" button. ("c.h04." will show in the display)
8. Now, remove headphones from the plug and disconnect the power source from the back of the receiver. The display will flash 5 times and then power down. The receiver will save all of the presets and return itself to the user mode. Re-connect the power source and receivers (complete with the three preset channels) are ready to use.

RESETTING THE RECEIVER:

The receiver is equipped with built-in, self-protection circuitry that will activate when receiving a variety of electrical or environmental circumstances. This may cause the unit to lock-up or behave in an undesirable fashion. If this occurs, reset the receiver by disconnecting it from its power source for one minute. This will restart the software and should return the unit to normal operation. If problems persist, please contact your dealer or ARG for further assistance.

HEADPHONE JACK REPLACEMENT:

Because it is subject to heavy use, it is normal for the contacts in the headphone jack assembly to wear out over time. The ARG FM receiver is equipped with a replaceable headphone jack module to address this wear without replacing the entire unit. Under IDEAL conditions, the headphone jack is rated to last roughly 6,000 plug insertions and removals (cycles). The headphone jack module can, in most cases, be changed without removing the receiver unit from the cardio machine.

1. To remove the worn jack, locate the "arrow" on the tab of the jack module located on the back side of the receiver toward the bottom.
2. Press on the "arrow" and slide the module in the direction of the "arrow".



3. To install the new module, guide the grooves of the jack module into the tabs of the receiver.
4. Push the module back into the receiver unit until it "clicks" into place.





Warranty Statement

Audio Resource Group, Inc. (ARG) develops, designs and distributes only high quality products that will provide users with many years of trouble-free service. Some of the products we distribute are sold exclusively by ARG. The following Warranty Statement defines the warranty periods for each product line and model of equipment distributed by Audio Resource Group, Inc.

Talk and Listen™ Systems

ARG warrants the following transmitters and receivers (TX72BP, TX72M, TX900BP, TX900HH, TX900M, RX72BPS, RX72BPM, RX72BP, RX72M, RX900BP, RX900M) to be free from defects in workmanship and material under normal use and conditions for five years from date of purchase.

ARG warrants the following charging systems (CHGR12, CHR24) to be free from defects in workmanship and material under normal use and conditions for two years from date of purchase. Rechargeable batteries in the TX72M, TX900M, RX72M, and RX900M are warranted for 2 years. Power Supplies are warranted for 90 days.

All other parts and accessories are warranted for 90 days from date of purchase.

VoiceAmp® Portable Amplifiers

ARG warrants the following VoiceAmp portable amplifiers (VA20WB, VA20T, and VA30SE) to be free from defects in workmanship and material under normal use and conditions for five years from date of purchase. Batteries for these listed products are warranted for two years from date of purchase.

All other parts and accessories are warranted for 90 days from date of purchase.

Fitness and Cardio Entertainment Products

ARG warrants the following transmitters (ARG-CV-FMT, ARG-CV-900T, ARG-900AT, and ARG-CV-2.4T) to be free from defects in workmanship and material under normal use and conditions for four years from date of purchase.

ARG warrants the following receivers (ARG-CV-FMR, ARG-CV-900R, ARG-900AR, ARG-CV-2.4R and ARG-2.4R) to be free from defects in workmanship and material under normal use and conditions for two years from date of purchase.

ARG warrants the following personal viewing screens and accessories (ARG-PVS15LED, ARG-PVS19LED, ARG-PVSC) to be free from defects in workmanship and material under normal use and conditions for two years from date of purchase.

All other parts and accessories are warranted for 90 days from date of purchase.

The Warranty is only available to the original end purchaser of the product and cannot be transferred. Warranty is void if damage occurred because of deliberate or accidental physical damage, neglect, misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not include normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect. ARG is not liable for consequential damages due to any failure of equipment to perform as intended.

The above stated warranty is exclusive and replaces all other warranties express or implied, including those of merchantability and fitness for a particular purpose. ARG will not be held liable for any other damages or loss including incidental or consequential damages and loss of profit or revenues from whatever cause including breach of warranty or negligence.

The terms of the warranty are governed by the laws of the state of North Dakota. This warranty, prices, and the specifications of products are subject to change without notice.

Revised 1/4/2017

Repairs and Returns

If you are experiencing difficulty with your system please review the Troubleshooting section of your manuals and user guides for tips and techniques to correct your issues. If you continue to experience problems with your equipment, please call Audio Resource Group, Inc. (ARG) toll-free Customer Service Assistance number at (888) 468-4552.

If it is necessary to return your system for service, you must first be issued a Return Authorization Number (RMA) by our Customer Service Technician prior to sending the system to ARG. All returns must be prepaid by the sender (no freight collect shipments will be accepted). Make sure to clearly mark the RMA number on the outside of the package and ship to:

Ship To:

Audio Resource Group, Inc.
Attn: Repair Department
405 Main Ave W Unit 3A
West Fargo, ND 58078

Out-of-Warranty Repairs:

We can service/repair most Out-of-Warranty products. These repairs will be charged in accordance with our Flat Rate Repair Schedule. Please contact your sales representative or customer service for a repair quotation under our Flat Rate Repair Schedule.

Repair Quotes:

In some cases, if your product is not listed on the Flat Rate Repair Schedule, we can provide you with a repair price based on an individual repair cost estimate.

Warranty Repairs:

The ARG warranty period begins from date of purchase. Warranty is only available to the original end purchaser of the product and cannot be transferred. We will, at our option, repair or replace any part or product found to be defective in workmanship or material under normal use and condition. Warranty is void if damage occurred because of deliberate or accidental physical damage, neglect, misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not include normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect.

Returns for Credit:

Items returned for credit, in "like new" condition (unopened, or original packaging intact), will be issued a full credit (minus applicable shipping charges). Items returned for credit after 30 days are subject to a restocking fee. We are unable to issue credit for any items after 90 days from the date of purchase. Additional fees or partial credit may occur due to missing or damaged items.

Ship To:

Audio Resource Group, Inc.
405 Main Ave W Unit 3A
West Fargo, ND 58078
Phone: (888) 468-4552 Fax: (888) 373-4819
repairs@argaudio.com

ARG Repairs and Return policies, programs, and pricing are subject to change without notice.