

# RetroSound<sup>®</sup>

## Model One B/C Owner's & Installation Guide



### Model One AM / FM Radio w/ USB MP3 Playback and Infinimount Shaft/Bracket System

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1.

## Welcome!

Thank you for your purchase of the second generation of our Retrosound Model One Radio! We hope it will provide you with years of enjoyment. Below are just some features of this unit:

- LCD Display w/ enhanced viewing angle & daylight compatible
- LCD Display shows Mp3/WMA track names
- AM/FM PLL tuner w/ 30 presets
- 60W x 4 (Integrated amplifier)
- 2 pair RCA pre-amp outputs to add an external amplifier
- Rear-mounted USB port; plug in any USB flash drive and play Mp3 / WMA files directly off the drive
- Patent Pending INFINIMOUNT adjustable shaft system w/ removable universal bracket (included)
- Insulated bracket system and external shaft system reduces electrical noise inherent in older vehicles
- Front and rear aux inputs; plug in any MP3 player or other portable device, (cell phone, etc)
- Full function 21-key remote control
- Main unit is remote mountable and comes with "U" bracket for mounting under the seat or glove box
- Optional external IR sensor w/ 94" cable; allows for easy remote operation via the included remote control
- Adjustable faceplate angle; allows mounting of faceplate display to virtually any dash

## Warning

This equipment has been tested and found to comply with the limits for a Class B 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 generates, uses and can radiate radio frequency energy, and, if not installed and used in accordance with instructions, may cause harmful interference with radio communications. However, there is no guarantee that radio interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help. You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

## Precautions

- Avoid installing the unit where it would be subject to high temperatures such as in direct sunlight or a hot air stream from the heater or where it would be subject to dust, dirt, or excessive vibration.
- Parking your car in direct sunlight will result in a temperature rise. Do not turn on the unit if the temperature inside the car is very high. Always cool down the unit before usage.
- If the unit does not turn on, check the connections first. Then, check whether the fuse in your vehicle's fuse box is blown and check the fuse at the unit's wiring harness.
- Carefully read this manual before using the unit. If you encounter any problems that are not covered in this manual, please consult the dealer where you purchased the unit or the dealer nearest to you. You may also email us at: [support@retrosoundusa.com](mailto:support@retrosoundusa.com)

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## Installation & Use Warnings

Observe the following warnings when using this unit.

**□The driver should neither watch the display nor operate the system while driving.**

Watching the display or operating the system will distract the driver from driving safely and can cause accidents. Always stop the vehicle in a safe location and use the parking brake before watching the display or operating the system.

**□Use the proper power supply.**

This product is designed for operation with a negative grounded 12 V DC battery system. Never operate this product with other battery systems, especially a 24 V DC battery system.

**□Keep batteries and insulation film out of reach of infants.**

Batteries and insulation film can be ingested, so keep them out of the reach of infants. If an infant ingests a battery or insulation film, please seek immediate medical attention for them.

**□Protect the Radio.**

Do not insert any foreign objects into the slot of this unit.

**□Do not disassemble or modify the unit.**

Do not disassemble, modify the unit or attempt to repair the product yourself. If the product needs to be repaired, consult your dealer or Retro Manufacturing directly.

**□Do not use the unit when it is out of order.**

If the unit is out of order (no power, no sound) or in an abnormal state (has foreign objects in it, is exposed to water, is smoking, or smells), turn it off immediately and consult your dealer.

**□The remote control unit should not lie about in the car.**

If the remote control unit lies about, it could fall on the floor while driving, get wedged under the brake pedal, and lead to a traffic accident.

**□Refer fuse replacement to qualified service personnel.**

When the fuse blows out, eliminate the cause and have it replaced with the fuse prescribed for this unit by a qualified service technician. Incorrect replacement of the fuse may lead to smoke, fire, and damage to the product.

Observe the following cautions when using this unit.

**□Keep the sound volume at an appropriate level.**

Keep the volume level low enough to be aware of road and traffic conditions while driving.

**□Do not insert or allow your hand or fingers to be caught in the unit.**

To prevent injury, do not get your hand or fingers caught in moving parts or in the disc slot. Especially keep infants from doing so.

**Observe the following cautions when installing.**

**□Refer wiring and installation to qualified service personnel.**

Installation of this unit requires special skills and experience. For maximum safety, have it installed by your dealer.

Retro Manufacturing is not liable for any problems resulting from your own installation of the unit. Please be sure to follow our instructions carefully before attempting installation.

**□Follow the instructions to install and wire the product.**

Not following the instructions to properly install and wire the product could cause an accident or fire.

**□Take care not to damage the leads.**

When wiring, take care not to damage the leads. Prevent them from getting caught in the vehicle chassis, screws, and moving parts such as seat rails. Do not scratch, pull, bend or twist the leads. Do not run them near heat sources or place heavy objects on them. If leads must be routed around sharp metal edges, protect the leads by winding them with vinyl tape or similar protection.

**□Use the designated parts and tools for installation.**

Use the supplied or designated parts and appropriate tools to install the product. The use of parts other than those supplied or designated may result in internal damage to the unit. Faulty installation may lead to an accident, a malfunction or fire.

**□Disconnect the lead from the negative (-) battery terminal before installation.**

Wiring and installation with the negative (-) battery terminal connected may cause electrical shock and injury due to a short circuit.

Some cars equipped with the electrical safety system have specific procedures for battery terminal disconnection.

**FAILURE TO FOLLOW THIS PROCEDURE MAY LEAD TO THE UNINTENDED ACTIVATION OF THE ELECTRICAL SAFETY SYSTEM RESULTING IN DAMAGE TO THE VEHICLE AND PERSONAL INJURY OR DEATH.**

**□Never use safety-related components for installation, grounding, and other such functions.**

Do not use safety-related vehicle components (fuel tank, brake, suspension, steering wheel, pedals, airbag, etc.) for wiring or fixing the product or its accessories.

**□Installing the product on the air bag cover or in a location where it interferes with airbag operation is prohibited.**

**□In the case of installation to an airbag-equipped car, confirm warnings and cautions of the vehicle manufacturer before installation.**

**□Check for piping, gasoline tank, electric wiring, and other items before installing the product.**

If you need to open a hole in the vehicle chassis to attach or wire the product, first check where the wire harness, gasoline tank, and electric wiring are located. Then open the hole from outside if possible.

**□Never install the product in a location where it interferes with your field of vision.**

**□Never have the power cord branched to supply other equipment with power.**

**□After installation and wiring, you should check the normal operation of other electrical equipment.**

The continuation of their using in abnormal conditions may cause fire, electrical shock or a traffic accident.

**□Make sure the leads do not interfere with driving or getting in and out of the vehicle.**

**□Insulate all exposed wires to prevent short circuiting.**

**□This unit is designed for use exclusively in automobiles.**

**□Do not operate the unit for a prolonged period with the engine turned off.**

Operating the audio system for a long period of time with the engine turned off will drain the battery.

**□Do not expose the unit to direct sunlight or excessive heat.**

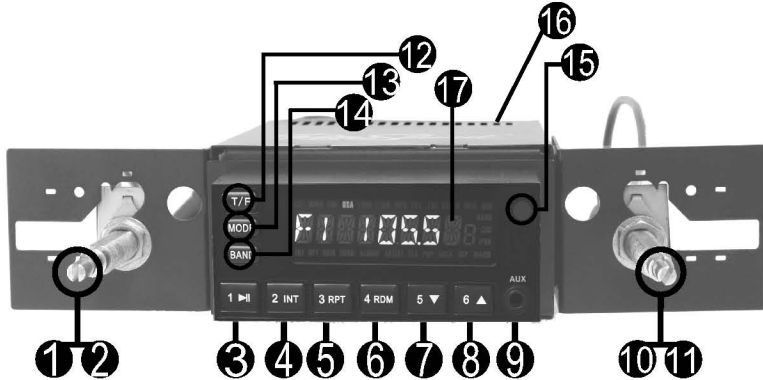
Otherwise these will raise the interior temperature of the unit, and it may lead to smoke, fire, or other damage to the unit.

**□Do not use the product where it is exposed to water, moisture, or dust.**

Exposure of the unit to water, moisture, or dust may lead to smoke, fire, or other damage to the unit. Make especially sure that the unit does not get wet in car washes or on rainy days.



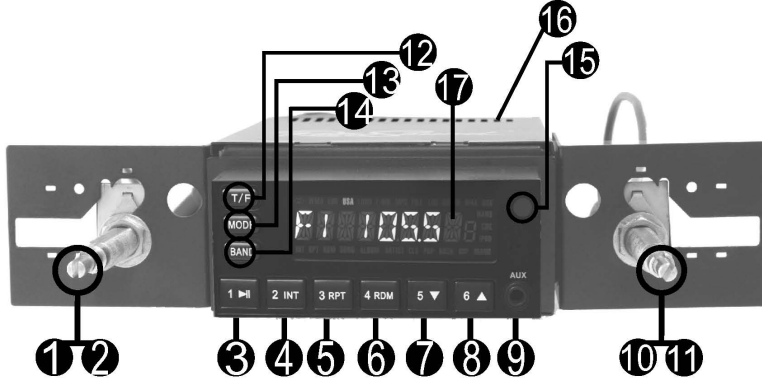
## Location of Controls (Quick Start Guide)



Please review this section for quick reference, as it contains information on the location of controls and basic operations. For specific details on the particular operation, please refer to the table of contents.

- ❶ POWER on/off Press the left center knob to turn the unit on, Press and hold the left center knob for 2 seconds to turn the unit off. Turning the center left shaft controls the volume attenuation up and down. Note: Volume range is 1 - 45 (Min/Max).
- ❷ Pressing the center left shaft inward activates the SEL (Select) function, press this repeatedly to cycle through the DSP (Digital Signal Processing) EQ, Bass, Treble, Balance & Fader function(s).
- ❸ Pressing the "1" button allows for selection of a radio preset or when a digital file is played in USB mode, this becomes the play/pause button.
- ❹ Pressing the "2" button allows for selection of a radio preset or when a digital file is played in USB mode- pressing this button, the radio will play 10 seconds of each track on the flash drive you have inserted. Press again to cancel this function.
- ❺ Pressing the "3" button allows for selection of a radio preset or when a digital file is played in USB mode, pressing this button will allow you to repeatedly play the current track.
- ❻ Pressing the "4" button allows for selection of a radio preset or when a digital file is played in USB mode, pressing this button will allow you to randomly play all digital tracks on your flash drive.
- ❼ Pressing the "5" button allows for selection of a radio preset or when a digital file is played in USB mode, pressing this button this button allows you select folders on your flash drive.
- ❽ Pressing the "6" button allows for selection of a radio preset or when a digital file is played in USB mode, pressing this button this button allows you select folders on your flash drive.
- ❾ AUX Input(s): Allows for you to plug in any device with a headphone 1/8"(3.5mm) output, directly into the front face of the Model One (Example: Walkman, CD player, tape recorder, Mp3 player, etc) Use the MODE button to select the Aux In mode. The rear mounted pair of RCA cables allow you to plug in another source unit, however please note that both front and rear aux inputs share the same circuit, so you will need to select which source you want to use, **because you cannot use them both at the same time.**
- ❿ Turning the right center knob to the right & left allows you to tune to the next or previous Am/Fm frequency. When playing a digital file in USB mode, this center shaft will allow you to change tracks (next/previous), when listening to Mp3 / WMA files on an attached USB flash drive.
- ⓫ Pushing in the right-knob, center button for 2 seconds, will allow you to access the sub menu system where you can adjust loudness on/off, beep on/off, seek adjust, EU/US tuning, stereo/mono, DX (distant)/local tuning volume on default level.

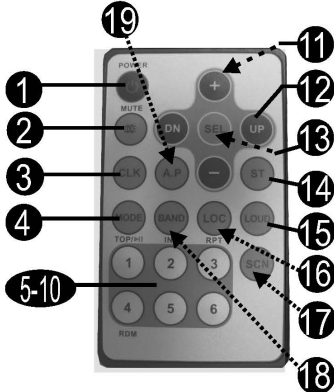
## (CONTINUED) Location of Controls



Please review this section for quick reference, as it contains information on the location of controls and basic operations. For specific details on the particular operation, please refer to the table of contents.

- 12** T/F Button: Press this to view the clock.
- 13** MODE Function: Press this button to switch between all modes of operation, Radio/USB/AUX-In
- 14** BAND Function: Press this button to switch between 3 FM BANDS (FM 1/FM 2/ FM 3) 2 AM BANDS (AM-1 AM-2); 30 PRESETS TOTAL. To save your preset, simply hold the preset button down, listen for the confirming beep, preset will be then saved.
- 15** IR RECEIVER: Point the included IR remote at this area to operate your unit remotely.
- 16** USB INPUT: Rear mounted USB input allows you to connect any USB flash/thumb drive when the unit is in USB mode. In this mode, you can play Mp3 & unprotected (no DRM) WMA files off of the USB drive! Note: this input is for flash drive use ONLY. This unit will not control an ipod.
- 17** Backlit LCD Display Window

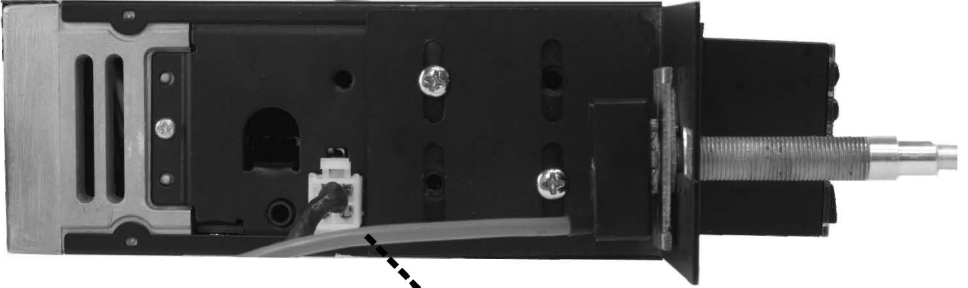
### Included IR Remote Control Legend



- 1** Press to turn on unit, press and hold to turn unit off
- 2** Press this to MUTE volume
- 3** Press CLK to view clock
- 4** Press MODE to cycle through Radio, Aux-in, USB modes
- 5** Press 1 to access preset in radio mode. When in USB mode, use to access Play/Pause
- 6** Press 2 to access preset in radio mode. When in, use to access 10 second preview of digital tracks
- 7** Press 3 to access preset in radio mode. When in USB mode, use to hear current track again.
- 8** Press 4 to access preset in radio mode. When in USB mode, use to access RANDOM mode when playing digital files
- 9** Press 5 to access preset in radio mode. When in USB mode, use to select folders on your drive
- 10** Press 6 to access preset in radio mode. When in USB mode, use to select folders on your drive
- 11** Press +/- to decrease / increase volume
- 12** Press DN/UP to manually select Am/Fm frequencies. In USB mode use this to select next or previous digital tracks
- 13** Press SEL repeatedly to cycle through the EQ, Bass, Treble, Balance & Fader function(s) Press and hold SEL to access Sub menu to adjust Loudness, Beep, Band, etc
- 14** Press ST to select Stereo or Mono when listening to the FM tuner
- 15** Press LOUD to turn loudness function on/off
- 16** Press LOC function to select local/DX (distant) tuner sensitivity
- 17** Press SCN in Radio mode to scan 5 seconds of every strong station throughout the full Am/Fm frequency range
- 18** Press BAND to cycle through AM/FM band (Fm-1-3, Am-1-2)
- 19** Press AP to scan radio presets and radio stations (this will allow you to hear 5 seconds of the preset on the band group selected. This button when in USB Mode, allows you to perform Track/Char/Folder/File Search functions on your USB drive

## (CONTINUED) Location of Controls & Connectors

### Left Side View of Model One



This 4-pin moxex connector is for the Infinimount Shaft system. One of these connectors is located on each side of the Model One main unit.



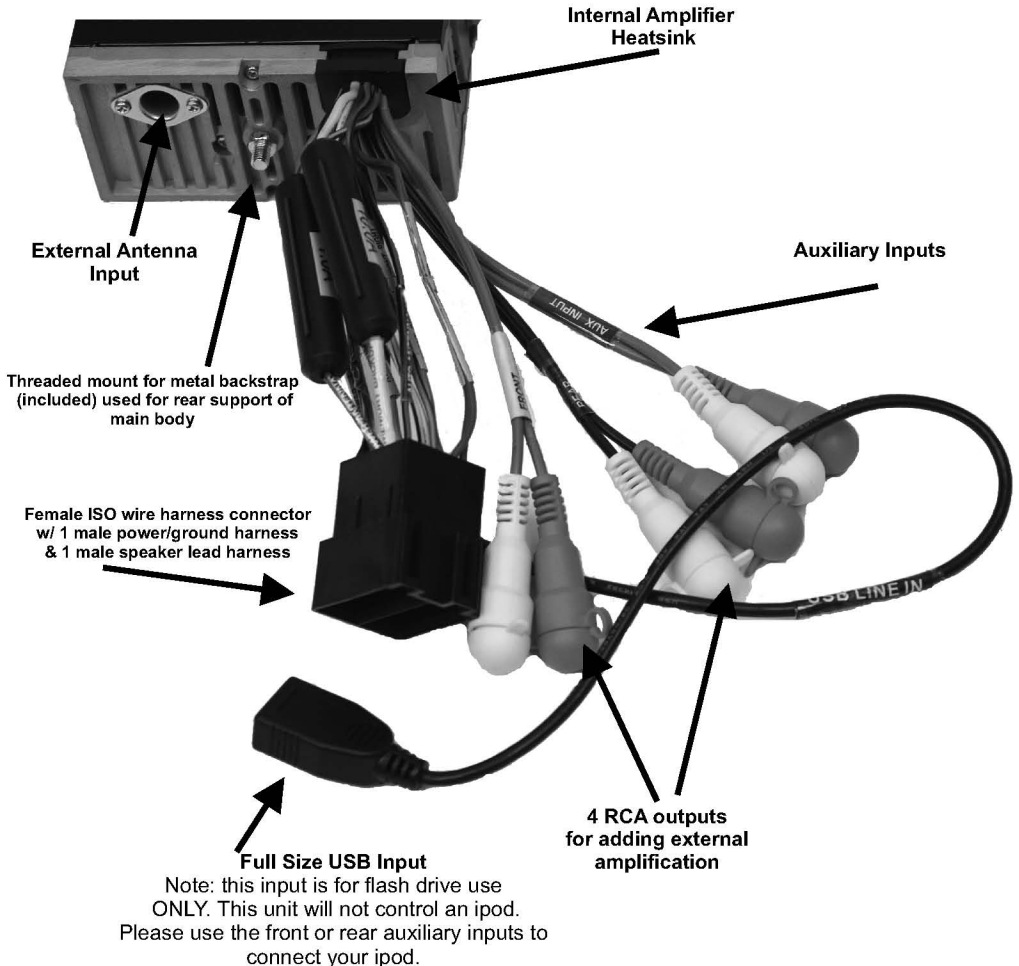
1/8" External IR (infrared) Connector



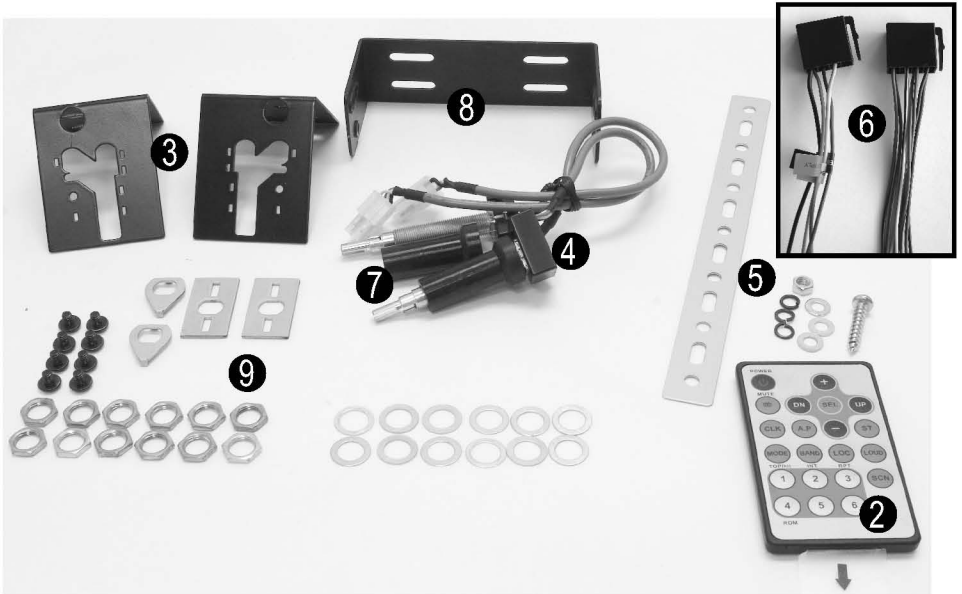
Optional 94" IR sensor is sold separately; it can be mounted in the dash of the car if you want to totally hide the unit and operate it only from the remote control.

## (CONTINUED) Location of Controls & Connectors

### REAR View of Model One



## What's in the Box (accessories & parts)



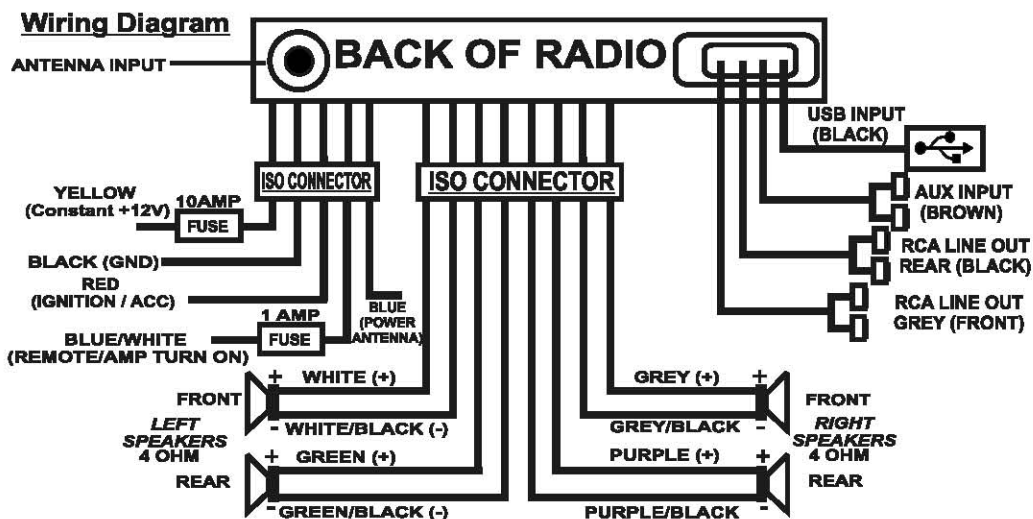
### What's in the box:

- ❶ (1) Retro Sound Model One unit\*
- ❷ (1) 21-key remote control (includes CR2025 Battery/already installed)  
NOTE: CLASSIC SOUND UNIT DOES NOT INCLUDE REMOTE (OPTIONAL)
- ❸ (2) Infinimount Brackets
- ❹ (2) Infinimount Shaft System
- ❺ (1) Metal backstrap w/ hardware, used to secure main unit behind dash
- ❻ (2) ISO Wiring harness to connect to Model One
- ❼ (2) Rubber shaft boots
- ❽ (1) "U" bracket for under-dash / under-seat installation
- ❾ (misc) Screws, washers & parts to mount Infinimount shafts & brackets

\*Note: Item # 1 is not shown above,  
but is included in the box

## Preparing to Install Your Unit

1. Familiarize yourself with the Model One wiring harness (Note: There are 2 plug connectors: Plug "A" which contain power/ground connections & "B" which contains the speaker leads)



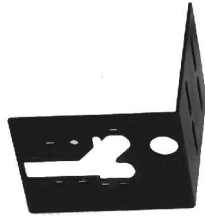
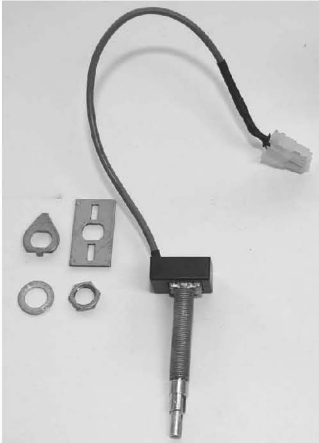
### Installation Notes:

To prevent damage to the unit, do not connect the power connector until you have completed the wiring process.

Also, please note that this is a 12-volt negative-ground **ONLY** radio. If you have a positive ground, or a 6-volt system, you would need to either convert to 12 volts or purchase a separate inverter that would step up the voltage to 12 volts. Please note that the inverter would need to be rated at 5 amps or higher in order for the Model One to operate properly.

## Preparing to Install Your Unit (Continued)

2. Find the Infinimount shafts & brackets (2 of each enclosed)



**X 2**

3. Assemble the Model One unit's Infinimount bracket and shaft system using the supplied screws and shaft nuts.



4. Due to the flexible installation variations this system offers, in order to match the Infinimount shaft & bracket system to the proper shaft width of your vehicle, simply measure the distance between your existing shaft holes center to center. Then mount the shaft system to the bracket using supplied shaft nuts and shaft mounting guide, and finger tighten to prepare for the final installation (see figure A below). Once you are sure of proper width, then tighten prior to final installation. Be sure to plug the shafts into the side of the main unit to activate the shaft-control functions (see figure B below).

**A.**



**Mount Shaft  
to Bracket**

**B.**



**Plug Shaft into  
Side of Main Unit**



## Preparing to Install Your Unit (Continued)

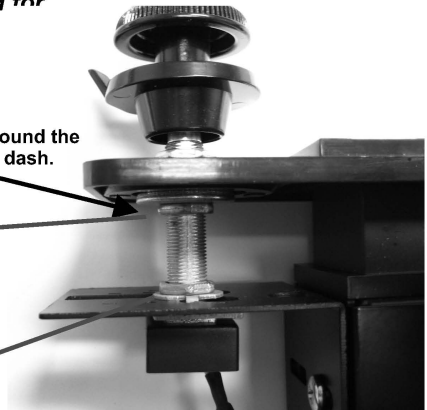
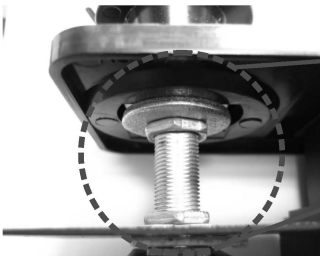
5. Prepare to set up your vehicle-specific kit  
(Optional 67-72 GM Truck faceplate shown as an installation example)



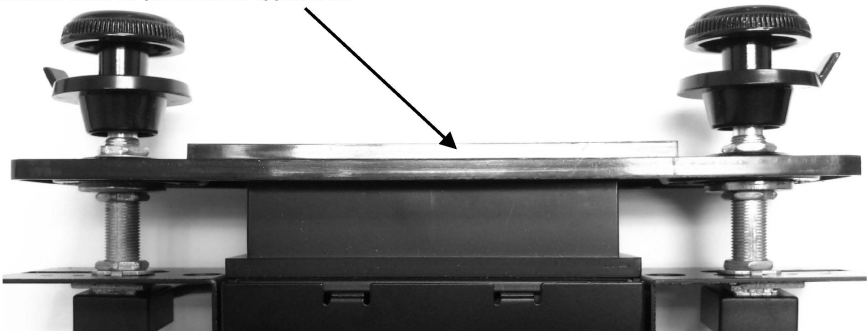
6. Next: Once shafts are lined up to the shaft openings on the vehicle-specific faceplate adapter, use a nut and washer to hold the faceplate in place on the shafts so the Model One's face is flush with the opening of the faceplate (see photos below). *NOTE: Modifying or cutting the radio's brackets will not void your warranty, this is what our radio is designed for*

Use supplied nuts & washers  
to align faceplate onto shaft.

Adjust nut height to allow bezel/faceplate  
to be flush in your dash (Note, with this bezel, the area around the  
radio face (chrome or black) mounts from behind your dash.



Vehicle-specific adapter & Model One  
face should be flush for professional appearance



Tighten shaft nuts and make sure that shaft depth works with  
your dash configuration; the RetroSound Infinimount bracket shaft and bracket system  
are extremely adjustable and care should be taken to ensure proper final fit  
for the perfect installation.

## Preparing to Install Your Unit (Continued)

Below, The final Result!:

67-72 GM Truck Bezel shown installed in the vehicle's Dash, note that the radio face is flush with the bezel in the dash for a professional looking installation. Getting the unit to fit perfectly into your dash is probably the most difficult portion of the install. Patience and persistence is the key. If you still have problems, please send us an email at [support@retrosoundusa.com](mailto:support@retrosoundusa.com) or give us a call at: 909-364-1372. If you still have difficulties during your installation, we strongly recommend that you take your vehicle to a high quality car audio installation shop or classic car specialist.



**RetroSound Model One B w/ Black Control Face shown above**

## Preparing to Install Your Unit (Continued)

7. The Retrosound Model One is available with an optional set of knobs and a chrome faceplate adapter that fits over the main face. This configuration out of the box will fit many American and European cars. Please consult us at [support@retrosoundusa.com](mailto:support@retrosoundusa.com) regarding a universal or vehicle specific faceplate & knob kit for your car. Below is a Retro Model One shown with an optional 67-68 Camaro faceplate & Chrome Metal knobs.



Optional:  
67-68 Camaro Faceplate shown above

8. The Retrosound Model One also comes with an under-dash bracket, so you can mount the unit under the dash or in a glove box, hidden away from view. This hidden type of installation is important if you want to leave the original radio in place but enjoy the modern sound and features of the Retrosound Model One system! Below is a photo showing the Model One with the under-dash bracket attached. Please note that in this type of installation, (due to the fact that the included wireless remote duplicates all functions of the unit) you DO NOT have to connect the shafts to operate the unit, as the included remote will operate all functions. Also shown in the photo is an optional 94" IR sensor that can be mounted in the dash of the car if you want to totally hide the unit and operate it only from the remote control.



Optional 94"  
IR Remote Eye Cable System

## Preparing to Install Your Unit (Continued)

9. **NOTE:** The following installation option is for advanced knowledgeable custom installation specialists: The Retrosound Model One faceplate is removable to allow for unique angled installations, canted angles, upside-down mounting and other unique configurations limited only to your installation skills. Below, is a photo illustrating what the unit looks like with the faceplate removed, connected by cables from the body of the main unit to the faceplate (There are about 4" of cable length from the body to the radio control face).

Model One w/  
advanced removable  
faceplate for unique applications



10. After preparing for your installation and having figured out your installation configuration, proceed to install the unit and connect the wiring, and make sure you use the metal back strap to support the main body of the the unit from the rear.

Install metal backstrap behind  
unit for rear support of the main body



## Preparing to Install Your Unit (Continued)

### EURO/VW FACEPLATE MODIFICATION GUIDE

The info below is a “How To Guide” on modifying the Model One’s Infinimount brackets to accommodate foreign vehicles (British, Japanese, German) to allow our radio to mount properly. By trimming our brackets, our radio can easily fit these cars, something no other radio made today can do! **NOTE: Modifying or cutting the radio’s brackets will not void your warranty, this is what our radio is designed for.**

**Step One:** Just for tracing purposes, mount the Infinimount brackets to the body of the radio in the position shown below to aid you in tracing the shaft holes



**Step Two:** Mount the Euro/VW faceplate onto the Model One and trace the location of the shaft holes and the left and right outer edges of the faceplate onto the Infinimount bracket.



**Step Three:** Remove the faceplate and check the trace marks, then use tin snips to cut off the edges of the Infinimount bracket and use a drill to drill out the traced holes for the shafts to fit through. Remount the Infinimount brackets in the standard 4 hole position



**Step Four:** Check for final fit and you’re ready to install your Model One Radio!  
If you have questions about your Model One, please call us at 909-364-1372 or email us at [support@retrosoundusa.com](mailto:support@retrosoundusa.com)



## Preparing to Install Your Unit (Continued)

### Metal Knob Install Guide

Sometimes the Retrosound Shafts need to be adjusted to allow you to mount our metal knobs to the shafts. Once your radio is installed follow the steps below to ensure a proper knob fit!

1.



For the rear-knob, simply insert a blade screwdriver diagonally to slightly spread apart the secondary back-knob position to allow the rear knob to fit snugly.

2.



For the front-knob, use a pair of needle nose pliers and GENTLY crimp the front-knob prongs closer together. Please use caution not to make these too tight, then mount the front-knob, and you're done!

Final Result! ***Modern Sound for your Classic!***

3.



## Model One Specifications

### Tuner Section

#### FM

Tuning Range (Eu & US Tuning Capable)	87.5-107.9MHz
Antenna Terminal	External Antenna Connector
Usable Sensitivity	12.5 dBf
Selectivity	75 dB @ 400kHz
Signal to noise Ratio	62 dB (Stereo), 67 dB (Mono)
Harmonic Distortion @ 1 kHz	0.8% (stereo), 0.5% (monaural)
Separation	32 dB @ 1kHz
Frequency Response	30-16,000 Hz

#### AM (Eu & US Tuning Capable)

Tuning Range	530-1710 kHz
Antenna Terminal	External Antenna Connector

### General

Dimensions (Main Body only)	3.5"W x 6.7"D x 1.5" H ( W & H measured from face)
Power Requirements	10.5-14.4V
Current Consumption	Max . 10A
Current Consumption	<3.5 mA
Output Power (@ 14.4 V @ 4 ohm @ 1% THD)	22x4w RMS 60x4 Max power
Output Impedance	4-8ohm
Low Level Output (4 Channels)	2.5V
AUX input (Rear)	2 V / 6 kΩ
AUX input (Front)	500 mV / 6 kΩ

*All Unit Specs Are Subject To Change without notice*





## Using Your Unit (Detail)

### Setting the Clock:

Press the T/F Button on the face of the unit when the unit is turned on. Press and hold the T/F button; when the clock is seen on-screen blinking, use the left shaft center knob, turn knob right or left to adjust hours; (note: AM & PM is adjusted by changing hours) press the T/F button to adjust minutes, use the left shaft center knob to adjust. Press T/F button again to set clock or leave alone to store settings. (Note: When EU tuning mode selected, military/24 hour time mode will be activated). Once the time is set, pressing the T/F button will activate the “persistent” clock mode, and the clock will stay on until you press the T/F Mode again.

Press and hold to activate clock setting mode



### Turning The Unit On/off:

Press the Left center knob to turn the unit on, look for "RETROSOUND" on power up. Press and hold the left center knob for 2 seconds to turn the unit off, the LCD display will show "888888E" for your confirmation.

### Volume Adjustment:

Turning the center left shaft left or right controls the volume attenuation up and down function. Note: Volume range is 1-45, factory default is set at 20. Use the included remote to activate "mute" function.

### Select Your Listening Source:

MODE Function, Press this button to switch between all modes of operation, Radio / USB / AUX-In

Press MODE to switch between modes of operation



## Using Your Unit (Detail)

### Adjusting the Sound Properties:

The Retrosound Model One has many sound adjustment modes to help you tailor the radio to your preference. To access these modes of adjustment, press the left knob (SEL) in and turn the knob to the right or left to adjust, then press SEL again to cycle through the choices.

When you have completed your adjustments, simply stop adjusting the mode and it will revert to your current setting. Below are photos of the various sound adjustment modes available in all playback modes, Radio, Aux, USB.



When you first access the SEL menu, DSP is off, turn the left shaft knob right to cycle through the presets or press SEL to move to the Bass & treble settings.



The FLAT DSP setting offers no bass or treble adjustment.



The CLASSIC DSP setting offers sonic adjustments that lend themselves to Classical Music.



The POP DSP setting accentuates the bass and treble settings, this is suitable for Bass heavy popular music.



The ROCK DSP setting accentuates the treble settings, this is suitable for Rock Music



The Bass adjustment function allows you to boost or cut the low frequencies from -6 to +6.



The Treble adjustment function allows you to boost or cut the high frequencies from -6 to +6.



The Balance adjustment function allows you to adjust or pan the stereo sound from the left or right. This is helpful to compensate for the position of the driver in relation to the speaker location. Adjustment range is 0-12 left or right speakers.



The Fader Control allows you to fade the sound from the front pair of speakers to your rear pair of speakers. Adjustment range is 0-12 front or rear speakers.

## Using Your Unit (Detail)

### Special Modes of Operation (Sub-Menu System)

#### SUB MENU FUNCTION: LOUDNESS ON/OFF



To Activate the LOUDNESS function from the Sub Menu, press the center right shaft "SEL" button and hold it for 2 seconds, then repeatedly press the center shaft to scroll through the sub menu. Turn the shaft control right or left to toggle the LOUD function ON or OFF. To access the Loudness function quickly, simply press the LOUD button on your remote to activate the loudness function. This function boosts bass & treble at low listening volume and should be turned off at higher volumes. You will know this function is active when you see "LOUD" lit up on your display.

#### SUB MENU FUNCTION: BEEP ON/OFF



To modify the audible confirmation beep on or off (factory default is "BEEP ON"), press and hold the SEL (right center shaft knob) repeatedly press the center shaft to scroll through the sub menu and turn the knob to the right to turn the confirmation beep off to "BEEP OFF".

#### SUB MENU FUNCTION: US/EU RADIO TUNING



The Retrosound Model One has the capability to receive AM/FM broadcast frequencies in other countries. To modify the default setting (USA) to EUR {Europe}, press and hold the SEL (right center shaft knob) repeatedly; press the center shaft to scroll through the sub menu and turn the knob to the right, on screen you will see "BND USA", turn the knob to the right to select BND USA or BND EUR; to confirm the change, let the sub menu revert to your tuner; you will see your selected mode, either BND USA OR EUR. Press SEL to move to the next function desired, or don't press anything and the menu will revert to the current source display.

Please note that USA or EUR will be seen on the top of the display when in radio mode to denote the frequency selection you have made. **IMPORTANT:** When switching the tuner to BND EUR mode, your STORED radio presets will be erased and the clock will change to military / 24 hour time.

#### SUB MENU FUNCTION: SEEK 1 / SEEK 2 SELECTION



To modify the Auto seek (SEEK 1) or the manual seek (SEEK 2) function of the center right shaft when in tuner mode, press and hold the SEL (right center shaft knob); repeatedly press the center shaft to scroll through the sub menu and turn the knob to the right to select between SEEK 1 (AUTO STATION SEEK) OR SEEK 2 (MANUAL TUNING).

## Using Your Unit (Detail)

### SUB MENU FUNCTION: STEREO/MONO



When listening to the FM tuner, you can access the Sub Menu system. Press and hold the SEL (right center shaft knob); repeatedly press the center shaft to scroll through the sub menu and turn the knob to the right to select between Stereo/Mono operation. Selecting between these functions can aid in listening to weak FM radio stations that keep switching between Stereo & Mono modes. Selecting mono in this case will prevent this, so you can reliably listen to the station.

### SUB MENU FUNCTION: LOCAL / DX



When Listening to the FM tuner, you can access the Sub Menu system. Press and hold the SEL (right center shaft knob); repeatedly press the center shaft to scroll through the sub menu and turn the knob to the right to select between Local / DX (Distant) operation. Selecting between these functions can aid in listening to weak FM radio stations or compensate for stations that have too strong of a signal.

### SUB MENU FUNCTION: VOL ADJ/VOL LAST



From any mode you can access the Sub Menu system. Press and hold the SEL (right center shaft knob); repeatedly press the center shaft to scroll through the sub menu, and turn the knob to the right to select VOL ADJ/VOL LAST operation. Factory default is VOL LAST (this mode maintains the last volume the radio was at when you turned it off). When you select VOL ADJ mode, you can set the default turn-on volume at any level you want, no matter what the volume level was when you last turned off the unit.

## Using Your Unit (Continued)


### Selected Source: Radio

Once you've selected the radio function, you can start storing your presets or tuning to your preferred station.

Press "BAND" to select FM1,2,3 or AM1,2 for a total of 30 Presets!



To save a preset, tune to the station using the right shaft knob, then choose the preset number you wish to assign to that station. Press and hold the button; listen for a confirming beep, and now you have saved that preset. **NOTE:** turning the right shaft knob to the right or left will allow the tuner to select the next or previous strong station, this is known as the SEEK or "AUTO" function. To manually tune, press the right shaft knob in and you will see "MANU" appear in the lower right hand corner of the screen, (see photo below) this will allow you to manually tune into any station you want, strong or weak.

When a strong FM station is selected the  indicator will light up



Band Preset Indicator (shows you the Preset # you have assigned to the preset button)


### Selected Source: USB

**USB INPUT:** The rear mounted standard USB input allows you to connect any USB flash/thumb drive. When the unit is in USB mode, you can play Mp3 & unprotected (no DRM) WMA files off of the USB drive! **Note:** this input is for flash drive use **ONLY**. This unit will not control an ipod. Please use the front or rear auxiliary inputs to connect your ipod.

Press "MODE" to select USB MODE



Indicator showing USB DRIVE attached



Connect USB Drive to rear USB input cable

### USB MODE:

Once you've connected your flash drive to the rear standard USB input on the back of the unit, the Model One will find your songs instantly, and automatically start playing them from any mode. To change songs, use the right shaft knob and turn it to the right or left to access the next or previous song. Please note that the function buttons on the front of the faceplate will allow you to play/pause, listen to 10 seconds of each song (INT) or repeat the track you're listening to (RPT) or randomly select from all songs on the attached thumb/flash drive. **NOTE:** The unit **MUST** be in USB mode for it to read the USB files on your flash/thumb drive. If your drive has a light, it should indicate that the drive is powered up by the Model One's USB port.

## Using Your Unit (Continued)

### Selected Source: USB (All About MP3 WMA files)

MP3 (MPEG Audio Layer-3) and WMA (Windows Media™ Audio) is a format for compressed audio files.

#### **Common facts about these compressed-sound formats:**

High bit rate and high sampling frequencies are recommended for high sound quality. Selecting VBR (Variable Bit Rate) is not recommended because playing time is not displayed properly and there may be some audible skipping artifacts. The playback sound quality differs depending on the encoding circumstances. For details, refer to the user manual of your own encoding software.

#### **MP3 Notes:**

It is recommended to set the bit rate to "128 kbps or more" and "fixed".

#### **WMA Notes:**

It is recommended to set the bit rate to "64 kbps or more" and "fixed". Do not set the copy protect attribute on the WMA file or you will not be able to play the track.

#### **Placement of music on your flash drive:**

The Model One will read only FAT or FAT32 formatted flash drives up to 8 gigs in size. The radio will NOT read NTFS formatted drives. The Model One will read files placed in the root directory first before playing files in the folder structure of the drive. Please note that files are read in order of creation NOT alphabetically or numerically. (Older files will get read first in a folder). The Model One can only read a maximum of 999 songs/files.

**Caution!** Except for private use, duplicating audio data (including MP3/WMA) or distributing, transferring or copying it, whether for free or if it is paid for without permission of the original copyright holder is strictly prohibited by the Copyright Act and international treaty.

### Viewing the MP3/WMA Song information

When playing Mp3/WMA files from the USB input, the Model One allows you to view the track name, album, artist info (id-3) information automatically from these files. Below are examples of what you will view when playing a song in USB MODE:

Once the USB Drive is inserted into the rear cable of the Model One, the following info will scroll across the screen in the order below:

**F-DIR** (Folder Directory), **MP3 FILE** (file name of song), **ALBUM** (Name of artist album)  
**ARTIST** (Name of artist), **SONG** (name of song)



Connect USB drive to USB input in rear of Model One. Unit will start playing immediately no matter what mode you are in.

Note: To access the clock when in USB mode, press T/F and clock will appear until pressed again. You can quickly view the various text modes by pressing BAND in USB mode

## Using Your Unit (Continued)

### Playback Modes available in USB Mode

Please note that the function buttons on the front of the faceplate (1-6) will allow you to play/pause, listen to 10 seconds of each song (INT) or repeat the track you're listening to (RPT) or randomly select from all songs on the attached thumb/flash drive. The Up/Down arrow Keys (5,6) will allow you to play the first track from the present folder or the first track of the next folder (if more than one folder is present on the drive). Please see the modes below that show how they will appear on your display:



Press "1" to Play/Pause the current track



Press "2" (INT) to listen to 10 seconds of each track in the current folder (Press INT again to cancel this mode)



Press "3" (RPT) to Repeat the currently playing track (Press RPT again to cancel this mode)



Press "4" (RDM) to allow the unit to randomly play tracks on your USB drive (Press RDM again to cancel this mode) (Note: Random mode will access any file located in or outside of folders when in this mode)



Press "5" or "6" to allow you to play the first track from the present folder or the first track of the next folder (if more than one folder is present on the drive).



## Using Your Unit (Continued)

### SEARCH modes available in USB mode (using remote only):

Note: This mode is only usable via your included wireless remote control.

#### SEARCH MODE 01: TRACK SEARCH

Press A.P on your remote control when in USB mode to access the first search mode. After pressing A.P, press SEL, use the +/- keys to enter the Mp3 file number, press the SEL key when entering to toggle between the 3 digits (up to 999 tracks can be entered). Once the desired track # is entered, press SEL again and the unit will find and play the track.

Press A.P to access Track Search



Press SEL then +/- to select track #'s



#### SEARCH MODE 02: CHARACTER SEARCH

Press A.P on your remote control when in USB mode to access Character Search Mode. After pressing A.P, press SEL; then use the +/- keys to enter the letter, number or symbol(A-Z, 0-9). Press the SEL key when entering to select the next letter. (Press the DN / UP keys to go backward or forward a letter) Once the desired track name is entered, press and hold the SEL key and the unit will find the first track with those characters in its name.

Press A.P to access Character Search



Press SEL then +/- to select characters



#### SEARCH MODE 03: FOLDER SEARCH

Press A.P on your remote control when in USB mode to access Folder Search Mode. After pressing A.P, press SEL; then use the +/- keys to scroll through the main folders on the flash drive. Press the SEL key to select a desired folder, then press the +/- keys to select the songs within that folder. Press SEL to select a song in that folder.

Press A.P to access FOLDER SEARCH



Press SEL then +/- to select folders



#### SEARCH MODE 04: FILE SEARCH

Press A.P on your remote control when in USB mode to access File Search Mode. After pressing A.P, press SEL; then use the +/- keys to scroll through the track names in the current folder you have selected. Press the SEL key to select a desired track in that folder.

Press A.P to access FILE SEARCH



Press SEL then +/- to select files



## Using Your Unit (Continued)

### Selected Source: AUXILIARY INPUT (AUX)

Plug in your external music source using a 3.5mm (1/8") connector.

An example of an external source would be a portable CD player, mini disc player, portable cassette recorder, Ipod, Mp3 player. Anything with an analog stereo headphone jack can be connected to this input. The Model One also comes equipped with an additional auxiliary input on the rear of the unit. These 2 RCA connectors (see photo below) allow for an additional source to be connected into the Model One radio. It is important to note that since both the front and rear auxiliary inputs are on a shared audio circuit, you cannot play both sources simultaneously. If you do play both together, you will hear both sources at the same time, so only play one at a time to hear the selected source. We have done this to accommodate customers that do not want to have wires hanging from their dash, or desire a more hidden or permanent install.

Select the AUX mode by pressing the MODE button until you see AUX on the Model One's screen. (see photo below).



Connect your 3.5 mm (1/8") stereo headphone connector to the AUX in port on the front of the Model One



Front 3.5mm (1/8") Aux input



Rear Left & Right RCA Aux input(s)



## LIMITED WARRANTY

If your product does not work properly because of defects in materials and workmanship RetroSound a division of Retro Manufacturing, LLC (collectively referred to as "the warrantor") will, for the length of the period indicated in the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or refurbished product. The decision to repair or replace will be made by the warrantor.

CATEGORIES	PARTS	LABOR
Radios	Two (2) Years	Two (2) Years
Speakers	One (1) Year	One (1) Year
Accessories (Remotes, cables, etc)	90 Days	90 Days

During the "Labor" warranty period, there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry in or mail in your product prepaid during the warranty period. If batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States, Alaska, Hawaii or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

To handle a warranty issue, contact us at 909-364-1372 or email us at [support@retrosoundusa.com](mailto:support@retrosoundusa.com) and get a Return Authorization number. All returns and warranty issues must receive a Return Authorization (RA) number. Any product received without a RA number will be refused. Once a number is issued, send the product to this address:

**Retro Manufacturing, LLC**  
**13831 Roswell Ave, Unit # J**  
**Chino, California 91710**  
**Phone: 909-364-1372**  
**Fax: 909-364-8670**

### LIMITED WARRANTY-LIMITS AND EXCLUSIONS

This warranty ONLY COVERS failures due to defects in materials and workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred during shipment, failures which are caused by products not supplied by the warrantor, failures which result from accident, misuse, abuse, neglect, bug infestation, mishandling, misapplication, alteration, faulty installation, set-up adjustment, maladjustment of consumer control, improper maintenance, improper antenna, inadequate signal reception or pickup, power line surge, improper voltage supply, lightning, modification, commercial use (such as use in hotels, offices, restaurants, or other business uses) or rental use of the product, or service by anyone other than the technician from Factory Service center or other authorized service centers, or damage that is attributable to acts of God.

**THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the sevicer, and loss of media, data or other memory contents. The items listed are not exclusive, but are for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center.

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