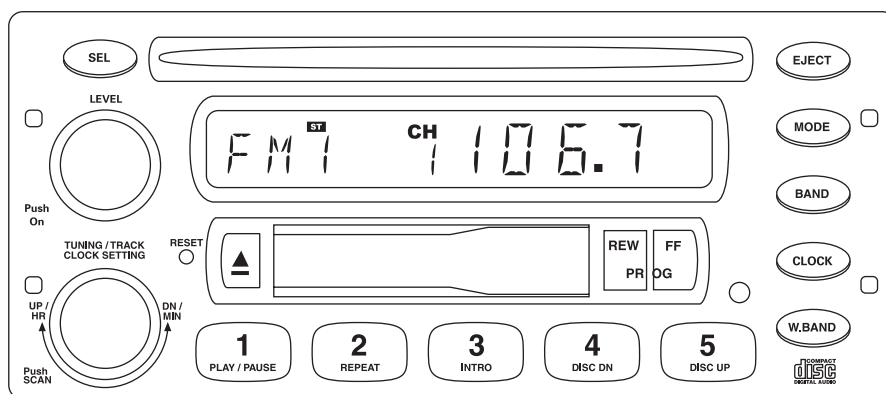




# Installation and Operations Manual



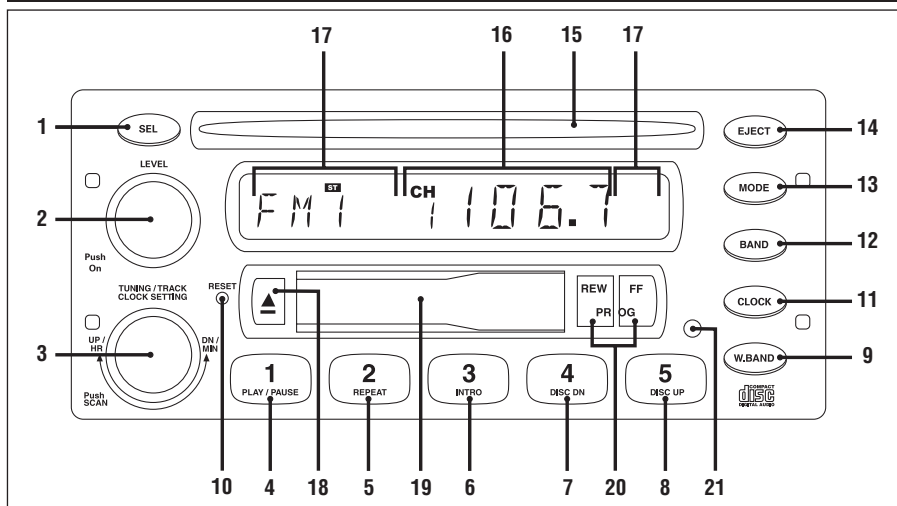
**M9999**  
AM / FM / WB / AUX / CD / CD Changer Controller  
and Cassette Stereo Receiver

## Introduction

Your new in-dash entertainment system has been designed for many years of listening pleasure. Take a moment to read through this manual and become familiar with the operations and features of this outstanding product.

It is advisable to keep this manual in your vehicle ready for reference. We hope the experience with your new mobile entertainment system is a pleasurable one. Be sure to fill out and send in your warranty card. In the unlikely event that your system will need service during the warranty period, you will need to be registered to receive the full benefits of warranty repair.

## Location and Function of Controls at a Glance



- 1. Select Button:** Press to select between the different sound controls (Volume, Bass, Treble, Balance and Fader).
- 2. Level Knob:** Press this knob in to turn the unit On/Off. Rotate this knob to increase or decrease the sound level. When the Select button is pressed, rotate the Level Knob to adjust the Bass, Treble, Balance and Fader.
- 3. Multi-Function Knob:** Rotate to change radio stations. Press to scan radio stations. Rotate to adjust hours and minutes for clock setting. Rotate to change tracks when a CD is playing.
- 4. Multi-Function Button #1:** Press when programming a radio station into memory #1 (CH1). Press when recalling memorized radio station #1. Press to play or pause when a CD is inserted.
- 5. Multi-Function Button #2:** Press when programming a radio station into memory #2 (CH2). Press when recalling memorized radio station #2. Press to repeat a single track from the CD.
- 6. Multi-Function Button #3:** Press when programming a radio station into memory #3 (CH3). Press when recalling memorized radio station #3. Press to preview each song on the CD for 10 seconds.
- 7. Multi-Function Button #4:** Press when programming a radio station into memory #4 (CH4). Press when recalling memorized radio station #4. Press to play the disc that precedes the one that is currently playing.

## Location and Function of Controls at a Glance (Continued)

in the optional CD changer.

- 8. Recall Button #5:** Press when programming a radio station into memory #5 (CH5). Press when recalling memorized radio station #5. Press to play the disc that follows the one that is currently playing in the optional CD changer.
- 9. Weather Band Radio Button:** At any time when the unit is on, press this button to access the weather band radio.
- 10. Logic Reset Button:** If the display or front panel functions become locked and inoperative, press this button to return all logic back to "Default Mode". Note: All clock and station recall memory will be lost.
- 11. Clock Button:** Press this button at any time, when the unit is on, to display the clock indefinitely. If you tune to another radio station the radio frequency will be displayed for 5 seconds then will switch back to the clock. Pressing the "Clock" button a second time will display the radio frequency indefinitely. This procedure operates the same for CD mode.
- 12. Radio Band Select Button:** Press this button to select FM1, FM2, FM3, AM1 or AM2 radio bands.
- 13. Source Mode Button:** Press this button to change the play source: CD, Tape, Radio, CD changer and AUX.
- 14. CD Eject Button:** Press this button to eject a CD.
- 15. CD Slot:** To play a CD, insert CD into slot with label facing up.
- 16. Radio Station/ Clock Display Area:** This area displays the radio station, last pushed station recall button and the clock.
- 17. CD Function Display Area:** This area of the display shows all CD and function indicators.
- 18. Cassette Eject Button:** when a tape is playing, press this button to eject the tape.
- 19. Cassette Tape Door:** Insert the cassette through this door to play the tape.
- 20. Tape Direction and Fast Advance Controls:** Press "REW" to fast rewind the cassette tape. Press "FF" to fast forward the cassette tape. Press both controls (REW and FF) to change the play direction of the tape.
- 21. Infrared Remote Sensor:** This is the sensor for the optional infrared remote .

## Listening to the Radio

1. Push the "LEVEL" knob (2) once to turn the unit on. (Figure A)
2. Press the "BAND" button (12) to select a radio band: FM1, FM2, FM3, AM1 or AM2.
3. To manually tune in a radio station, rotate the "Tuning" knob (3) right or left until the desired station is located.
4. To "Automatic Scan" to the next strong station. Press and release the "Tuning" knob (3). The tuner will scan up and wait for 5 seconds then scan up again. Once the desired station is found, press the knob again to stop the scan function.
5. To "Seek" up or down to the next station, momentarily rotate the "Tuning" knob (3) right or left and hold it for more than one second then release it.

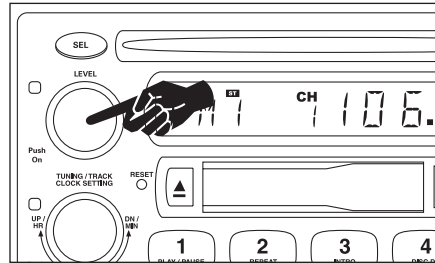


Figure A

## Sound Controls

### Volume Button:

Press the "SEL" button (1) to select between the sound controls: Volume, Bass, Treble, Balance and Fader. The sound control will be displayed in the display area (Figure B).

### Use the Level Knob (2) to make these adjustments:

#### Bass Control:

The bass control adjusts the amount of low frequency that you hear.

#### Treble Control:

The treble control adjusts the amount of high frequency that you hear.

#### Balance Control:

The balance control adjusts the amount of sound output to the left and right speakers.

#### Fader Control:

The fader control adjusts the amount of sound output to the front and rear speakers.

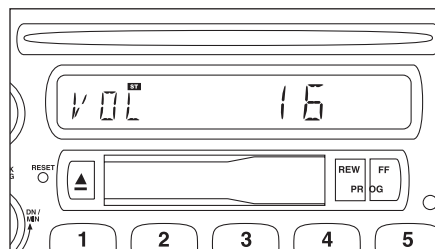


Figure B

## Programming the Unit

You can program up to 15 FM radio stations and 10 AM radio stations.

1. Select FM1, FM2, FM3, AM1 or AM2 by pressing the "BAND" button (12) repeatedly while watching the indication on the display (16) (Figure C).
2. Use the "Tuning" or "Scan" (3) knob to select the desired station.
3. Press and hold one of the five station recall buttons (4-8). The button number and "CH" appears in the display area (16). Release the button.
4. Repeat the procedure to memorize more stations as desired.

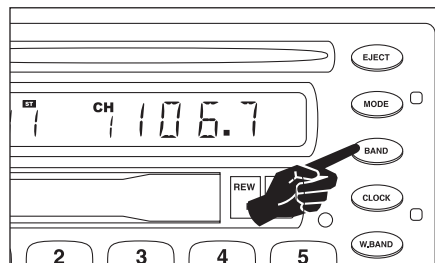


Figure C

## Weather Band Radio Operation

1. Press the "W.BAND" button (9) to activate the weather band radio. (The weather band radio will then take priority over the AM/FM Radio or CD). The weather band radio will search for the strongest radio signal in your area (Figure D).
2. To scan all 7 weather band stations, press the "Scan" button (3)
3. Press the "W.BAND" button once again to turn off the weather band radio.

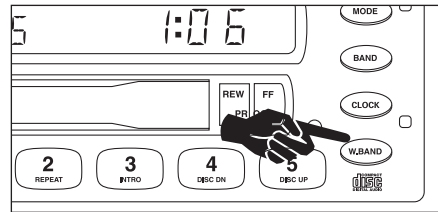


Figure D

## Cassette Tape Operation

1. Insert a cassette tape into the tape slot (19). The tape can only be inserted in one direction (thick end to the right side) Do not force the tape into the slot.
2. The cassette tape indicator will show the side of the tape that is playing. ► indicates "Side A" and ◀ indicates "Slide B" (Figure E).
3. Allowing the tape to play until it's end will activate the "Auto Reverse" function. The tape will automatically change directions and the remaining side of the tape will play. To perform this function manually, press the "REW and FF" button at the same time. The ◀ and ► indicators will change position.
4. To "Advance Forward" or "Rewind" the tape, press-in the "REW" button or the "FF" button (20) until it locks. To release the button, lightly press on the opposite button.
5. To eject the tape, press the "Eject" button (18) all the way in until the tape pops out (Figure F).

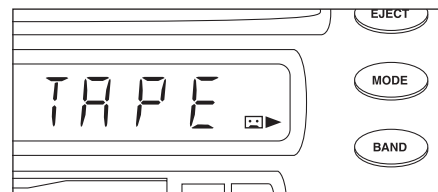


Figure E

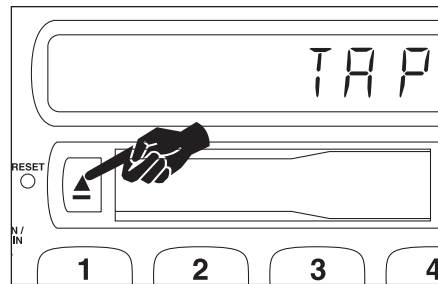


Figure F

## Cassette Player Maintenance and Precautions

Periodic cleaning of the tape head and drive mechanism is required to maintain reliable performance. A quality head and mechanism cleaning system can be purchased at any music store or electronics store and should be used regularly to maintain the performance and life of the tape mechanism and heads. (Follow manufactures recommendations for use and frequency of use)

1. Avoid using C-120 length tape in this mechanism.
2. All time lengths up to C-90 are acceptable.
3. Check tape case before inserting the tape into the cassette slot (19).
4. Take up any slack on the tape by using a pencil in the hub to tighten the tape (Figure G).

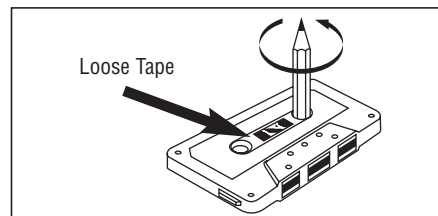


Figure G

## CD Operation

1. Insert a compact disc into the CD disc slot (15). The disc will auto load and auto play (The disc icon in the display will begin to rotate) (Figure H).

**Note:** If the disc does not auto load, do not force it. Press the “Eject” button (14) as you may already have a disc inserted.

2. To change the music track, rotate the “Track” knob (3) to the right or left (Figure I). Track change indication will appear in the display area (17).
3. To preview each song on the disc for 10 seconds, press the “INTRO” button (6). “INT” will appear in the display area. To turn off this feature, press the “INTRO” button again. The indicator in the display will disappear (Figure J).
4. To repeat play of a single song on the CD, press the “REPEAT” button (5) one time. The “RPT” indicator will appear in the display area (Figure K). Press the “REPEAT” button again to stop the repeat function. The indicator in the display (17) will disappear.
5. To “Pause” the playing of the disc, press the “PLAY/PAUSE” button (4) once. To resume play, press the “PLAY/PAUSE” button again.
6. To eject the disc, press the “Eject” button (14). If the CD is not removed after three seconds it will be reloaded into the unit.

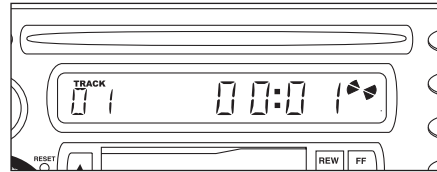


Figure H

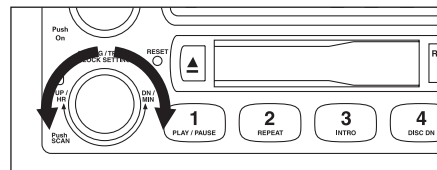


Figure I (Adjusting the Track)

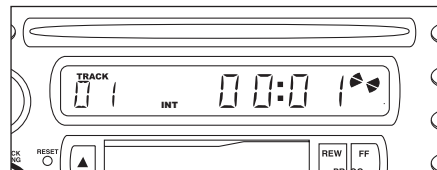


Figure J (Intro Display)

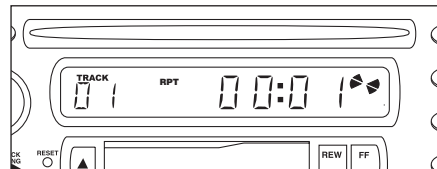


Figure K (Repeat Display)

## CD Changer Control (Optional)

1. Load your CD changer with compact discs per the manufacturer's operating instructions.
2. Press the “MODE” (13) button until the display reads “CDC” which indicates that the CD changer is active (Figure L).
3. To change the active CD, press either the “DISC DOWN” (7) or “DISC UP” (8) buttons to scroll through your selection of CD's in the CD changer. If a CD is not in a tray in the changer, the M9999 will continue to scroll through the trays until one is found.

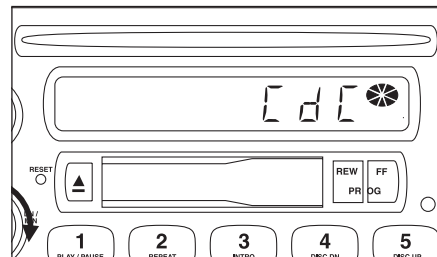


Figure L (CD Changer Control Display)

## Auxiliary Input

1. Press the “MODE” (13) button until the display reads “AUX” which indicates that the auxiliary unit is playing through the M9999 (Figure M).
2. All tonal features (Volume, Bass, Treble, Balance and Fader) are active when the auxiliary source is playing.

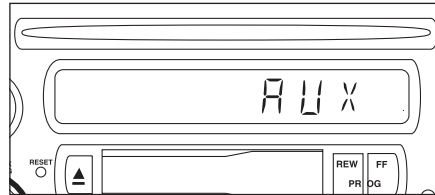


Figure M (Auxiliary Display)

## Specialty Features

### Reset Button:

If by chance the function of the front panel becomes “Locked-Up” (front panel buttons don’t function at all) or the display area become unreadable, use a ballpoint pen to press the “Reset” button (Figure N).

Pressing the reset button clears all memory and resets the display to it’s DEFAULT settings. All recall buttons will lose their programming and the clock will lose the set time. All these functions will have to be reprogrammed.

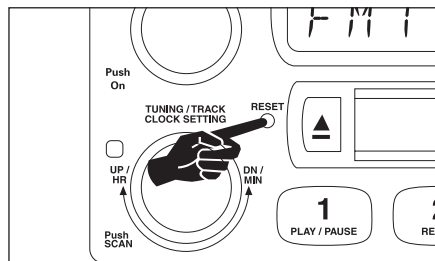


Figure N (Reset Button)

### Mode Button:

The “MODE” button (13) is used to select between the sound sources: Radio, CD, CD Changer or Auxiliary Source (Figures O).

**Example:** If a CD has been inserted, repeated pressing of the “Mode” button will change the sound output from one source to another. The source that is playing will be indicated in the display area.

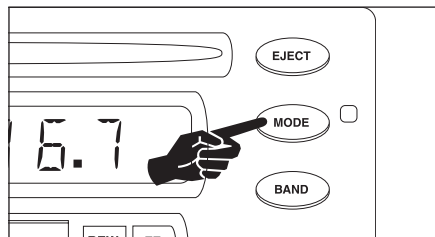


Figure O (Mode Button)

### Clock Button:

When the unit is on, press the “Clock” (11) button at any time to display the clock indefinitely (Figure P). If you tune to another radio station, the frequency will be displayed for 5 seconds, then will switch back to the clock. Pressing the “Clock” button a second time will display the radio frequency indefinitely. This procedure operates the same in CD mode.

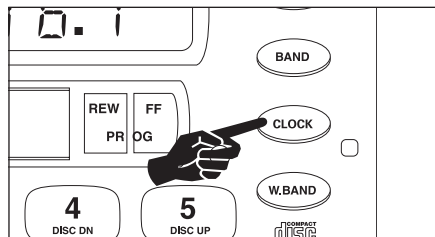


Figure P (Clock Button)

## Setting the Clock

### Setting the Clock:

To set the clock perform the following procedure:

1. Press the "Level" knob (2) to turn the unit on.
2. Press and hold the "Clock" button (11) (Figure Q) until the display begins to flash (Figure R).
3. Use the "Clock Setting" knob (3) to adjust the hours (When selecting hours note the AM or PM indicator) and minutes as indicated on the control. Rotate the knob left to adjust minutes and rotate right to adjust hours.

**Note:** The clock is a 12 hour clock with AM and PM settings. When setting the clock check the display for the correct time setting AM or PM.

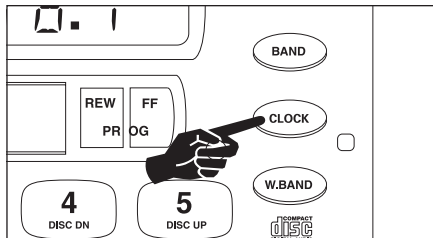


Figure Q (Clock Button)

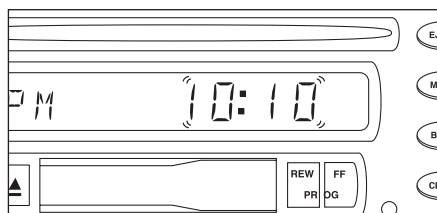


Figure R (Flashing Display)

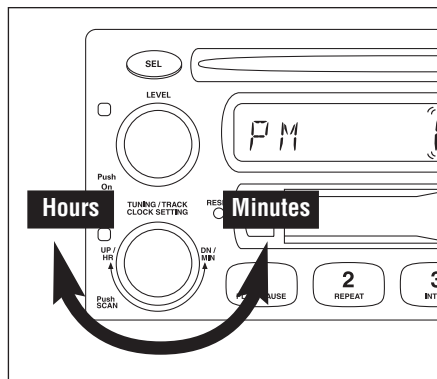


Figure S (Adjusting Minutes/Hours)



## Installation Procedure

**Step 1:** The radio chassis is designed to be "Sleeve Mounted" through a opening in the dashboard panel. The required opening size is 182mm (7-3/16") x 84mm (3-5/16"). Cut or enlarged an opening in the dashboard to accommodate the mounting sleeve.

**Step 2:** If you are replacing an existing factory installed radio, an adapter harness might be available for your vehicle to eliminate the need for cutting your factory wiring. Contact Radio Shack or other car stereo installation centers for the availability of a harness for your vehicle.

**Step 3:** Insert the mounting sleeve into the hole in the dashboard. Bend the metal tabs on the sleeve to secure the mounting sleeve to the dashboard.

**Step 4:** Bring all wiring for the connection of the unit (including the antenna) through the center of the mounting sleeve. Connect the wiring as follows:

**Yellow Wire (w/Fuse):** Connect this wire to a constant +12 volt power source (a power source that is not controlled by the ignition key).

**Orange Wire:** Connect this wire to the factory (+) dashboard lighting circuit that is controlled by the headlight switch or dashboard light illumination control switch (dimmer control). If no dashboard lighting circuit is available, connect this wire to the BLUE wire provided on this harness. Note: If this wire is not connected, the panel lighting on this unit will not illuminate.

**Red Wire:** Connect this wire to a switched +12 volt power source (a power source turned on and off by the ignition key).

**Blue Wire:** Connect this wire to the (+) power antenna activation circuit. If no power antenna exists, tape-off the end of this wire to prevent shorting out of the unit.

**Note:** This wire can also be used to activate the panel lighting on this unit if no dashboard lighting circuit is available (see information for orange wire connection).

**Black Wire:** Connect this wire to the frame of the vehicle (ground). This wire is the chassis grounding wire for the unit.

**White Wire:** Connect this wire to the Left Front Speaker (+) positive terminal or wire.

**White Wire with Black Stripe:** Connect this wire to the Left Front Speaker (-) negative terminal or wire.

**Green Wire with Black Stripe:** Connect this wire to the Left Rear Speaker (-) negative terminal or wire.

**Green Wire:** Connect this wire to the Left Rear Speaker (+) positive terminal or wire.

**Gray Wire:** Connect this wire to the Right Front Speaker (+) positive terminal or wire.

**Gray Wire with Black Stripe:** Connect this wire to the Right Front Speaker (-) negative terminal or wire.

**Purple Wire with Black Stripe:** Connect this wire to the Right Rear Speaker (-) negative terminal or wire.

**Purple Wire:** Connect this wire to the Right Rear Speaker (+) positive terminal or wire.

**Note:** This unit is designed to connect to (4) four speakers. If the installation only requires (2) two speakers, use the White and Gray wire sets to connect the speakers.

### WARNING!

Any wires left unconnected must be taped-off or capped off to prevent shorting.

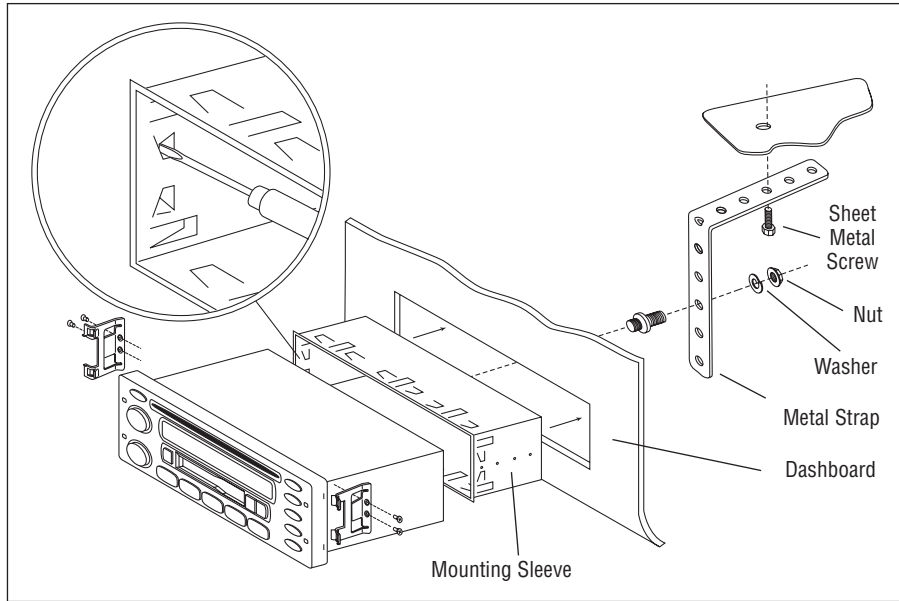
**DO NOT** connect speaker ground wires together.

**DO NOT** connect speaker ground wires to the chassis of the vehicle.

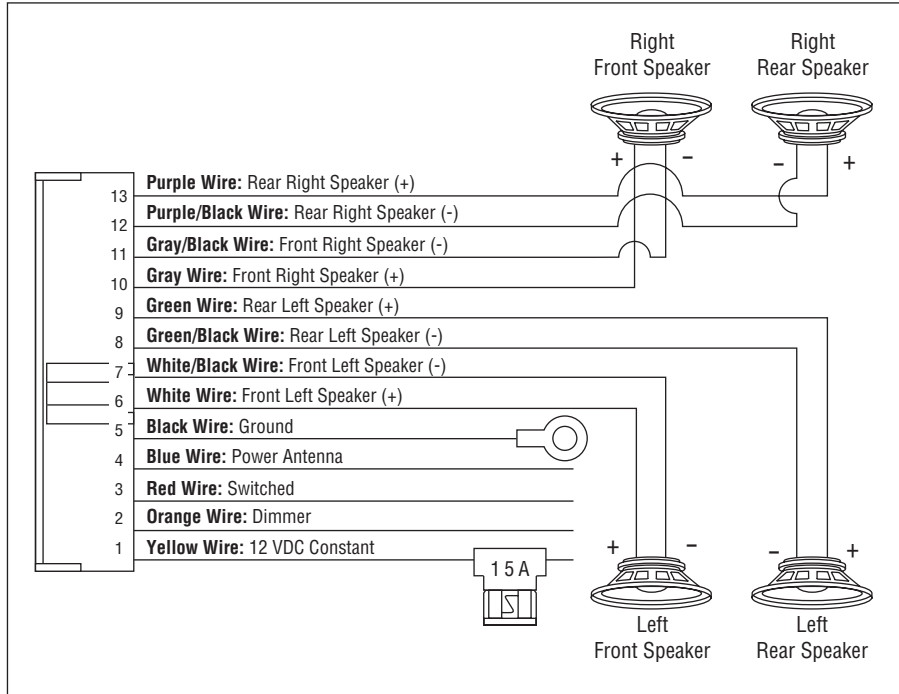
**DO NOT** connect front and rear speaker wires together.

FAILURE TO FOLLOW ANY OF THESE WARNINGS WILL RESULT IN DAMAGE TO THIS UNIT AND VOIDS THE WARRANTY.

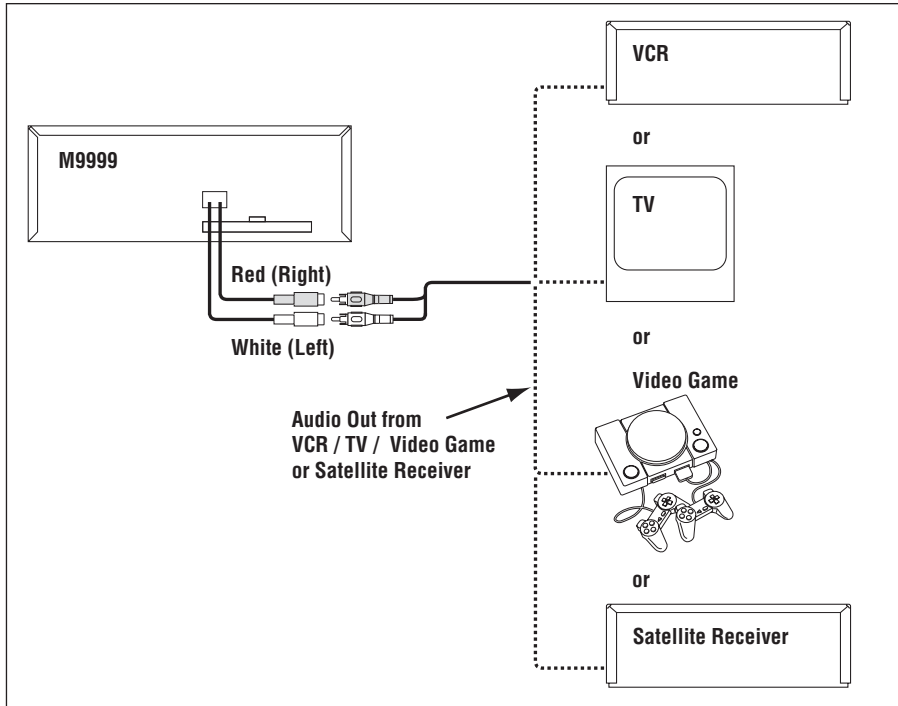
## Installation



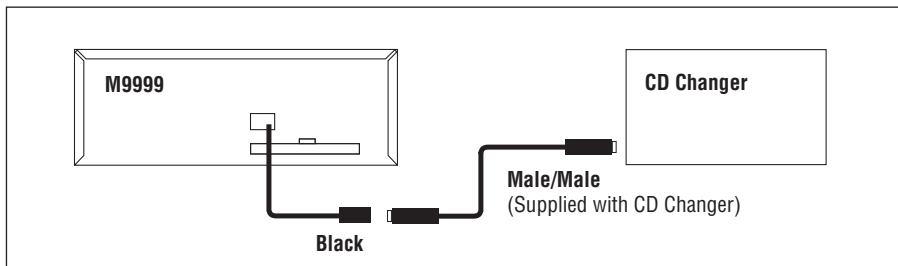
## Speaker Connection



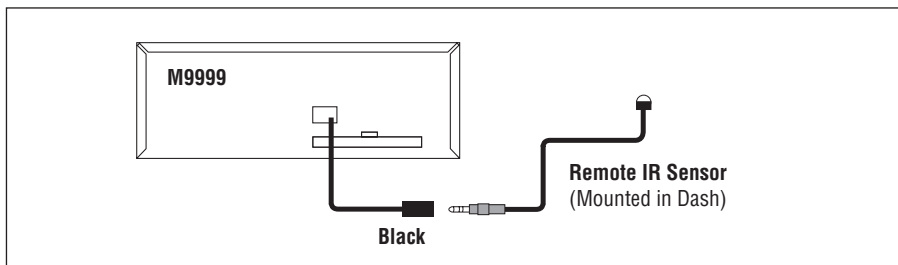
## Auxiliary Connection



## CD Changer Connection



## Remote IR Sensor Connection (Optional)



## Warranty

### ONE (1) YEAR LIMITED WARRANTY

Magnadyne Corporation or its authorized agents will within one year from the date of sale to you, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agents obligations hereunder do not apply where the product was; damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operations, or serviced by anyone other than Magnadyne Corporation or its authorized agents, or where the warning seal on the product is broken or the power and/or plugs are detached from the unit. Magnadyne Corporation or any of its authorized agents will not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such cost are the sole responsibility of the purchaser. This warranty does not cover the cabinet appearance items or accessories used in connection with this product, or any damage to recording or recording tape, or any damage to the products resulting from improper installation, alteration, accident, misuse, abuse or acts of nature. MAGNADYNE CORPORATION OR ITS AUTHORIZED AGENTS SHALL NOT BE LIABLE TO ANYONE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR CLAIMS EXCEPT THOSE ACCORDED BY LAW. NO EXPRESSED WARRANTY OR IMPLIED WARRANTY IS GIVEN EXCEPT THOSE SET FORTH HEREIN. NO IMPLIED WARRANTY SHALL EXTEND BEYOND ONE YEAR FROM THE DATE OF SALE.

This warranty extends only to the original purchaser of the product and is not transferable. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

**“NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User’s authority to operate the equipment.”**

Defective merchandise should be returned to the original point of purchase or secondly, to Magnadyne Corporation, 1111 W. Victoria Street, Compton CA 90220. Return Authorization must be obtained before sending, or merchandise may be refused.

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