



# Infrared Music Maker™ Plus

## Multimedia Player/Recorder

**2395IR** Infrared Music Maker™ Plus  
**2395IRPLC-6** Six-Person Learning Center (shown above)

Owner's Manual

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# Infrared Music Maker™ Plus Player/Recorder Owner's Manual

Thank you for purchasing this Wireless Music Maker™ Multimedia Player. I invite you to register your product online for its one year warranty coverage at our website: [www.califone.com](http://www.califone.com) — while you're there — make sure to learn more about our complete line of portable and installed PA systems, multimedia players and recorders, wired and wireless headphones and headsets, computer peripherals and other Califone products.

Sincerely,

A handwritten signature in black ink that reads "Roscoe Anthony". The signature is fluid and cursive, with a long, sweeping tail on the final letter.

Roscoe Anthony  
President, Califone® International, Inc.

## Warranty Registration

Please register your Music Maker online for its one year warranty [www.califone.com](http://www.califone.com).

## Unpacking your Infrared Music Maker Player/Recorder

Check carefully for damage which may have taken place during transit. Although the shipping carton & packaging materials are designed to prevent damage during shipment, you should inspect the carton for any signs of mishandling or damage immediately upon receiving your new unit. Carefully lift the unit from the carton and inspect it for any signs of damage. Save all packaging materials for possible later use. Report any damage claim directly to the freight carrier immediately. Save the product and packaging for inspection by the carrier's claim agent. Notify your dealer of the pending claim.

## All Damage Claims Must Be Made With The Freight Carrier

Notify the freight carrier immediately if you observe any damage the shipping carton or product. Repack the unit in the carton and await inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

## Returning your unit for service or repairs

Should your unit require repair, first contact the dealer or Califone Service Department at: (800) 722-0500 to obtain a Return Authorization number. After receiving the RA, write it clearly on the outside of the shipping box and ship the unit to Califone prepaid. Collect shipments will be refused. Please **DO NOT SHIP ANY UNIT TO THE FACTORY WITHOUT PRIOR AUTHORIZATION AND INSTRUCTIONS.**

## Contents

- a) 2395IR CD/Dual Cassette/AM/FM Radio
- b) Remote Control
- c) Owner's Manual

Note:

If the Six-person Learning Center (2395IRPLC-6) was purchased, there should also be six 34B-IR headphones.

# Initial Setup

## AC Line Operation

1. The power cord is located at the rear of the unit. Release the cord retainer tab and uncoil the cord.
2. Plug the cord into a standard 120 volt 50-60 Hz AC outlet. Be sure the plug blades are fully inserted.  
THE UNIT IS ON WHEN PLUGGED IN.

## Battery Operation

1. The battery compartment is located at the rear of the unit. Push the lever at the center of the door toward the rear of the unit and then lift the door free.
2. Eight "D" or UM-1 size batteries are required. When installing the batteries refer to the orientation diagram shown inside the battery compartment. Place the batteries on top of the nylon ribbon. This helps to "pop" old batteries out when you need to replace them.
3. Replace the battery cover.

## IMPORTANT:

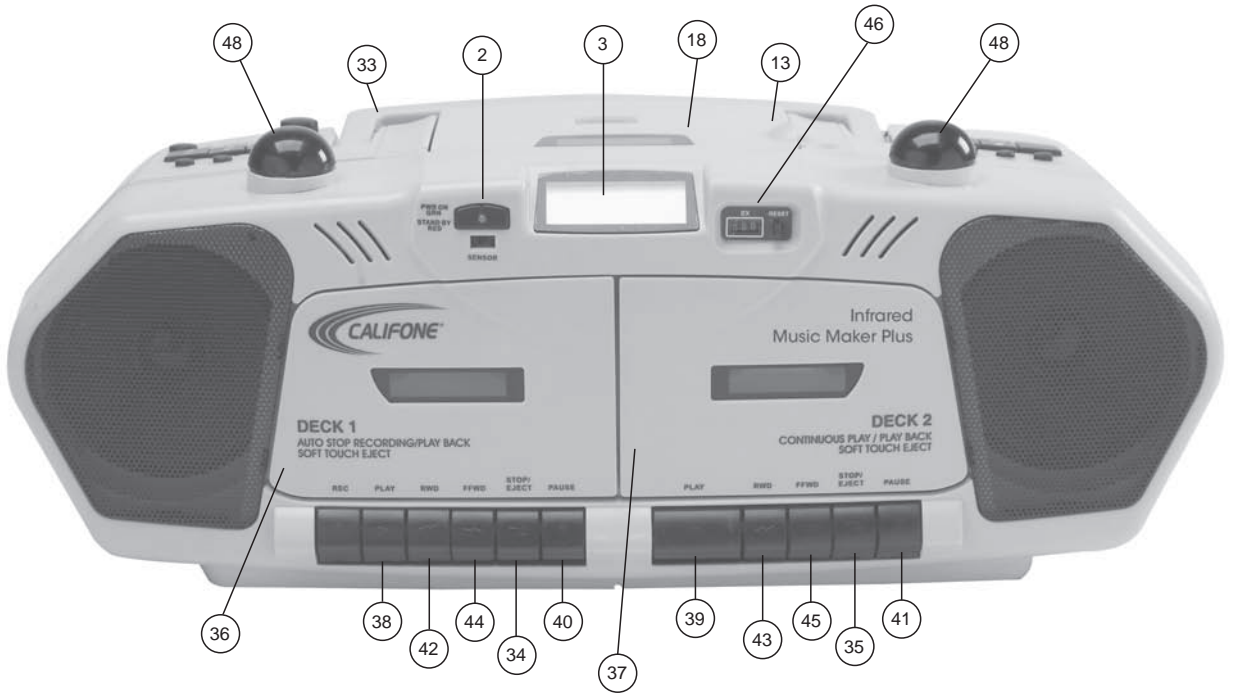
Remove all batteries from your cassette unit if it will not be used for an extended period of time.  
DO NOT LEAVE DISCHARGED BATTERIES IN THE BATTERY COMPARTMENT. DAMAGE TO THE UNIT DUE TO BATTERY CORROSION IS NOT COVERED UNDER WARRANTY.

## NOTE:

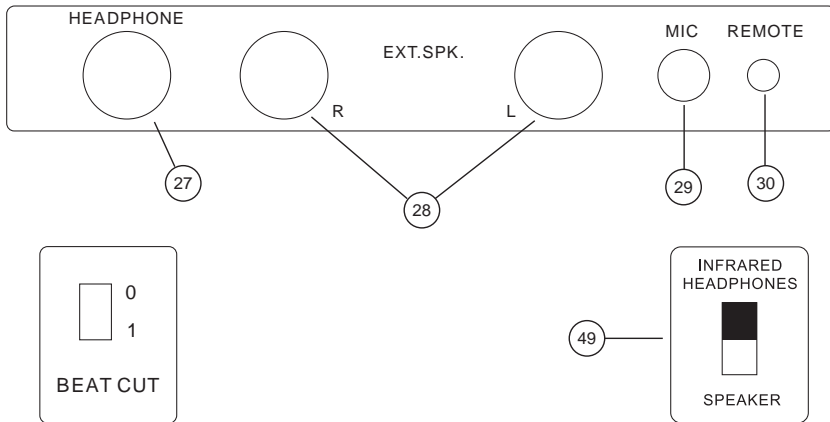
Califone cassette recorders are designed for use only with 60-minute Type 1 Normal Bias recording tape.

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# Front View

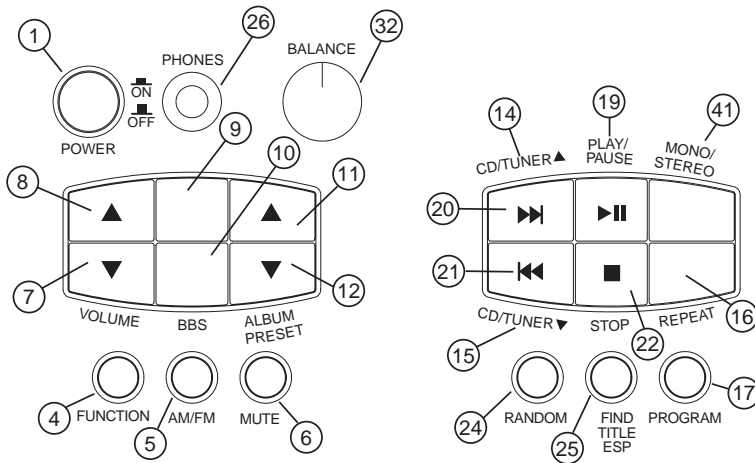


# Rear View



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## Top View Detail



- |     |                             |          |                                    |
|-----|-----------------------------|----------|------------------------------------|
| 1.  | <b>Power On</b>             | 24.      | <b>Random</b>                      |
| 2.  | <b>Power/Standby Switch</b> | 25.      | <b>Play Time</b>                   |
| 3.  | <b>LCD Display</b>          | 26.      | <b>3.5 mm Headphone Jack</b>       |
| 4.  | <b>Tape</b>                 | 27.      | <b>1/4" Headphone Jack</b>         |
| 5.  | <b>AM/FM</b>                | 28.      | <b>External Speaker Jacks</b>      |
| 6.  | <b>CD</b>                   | 29.      | <b>Microphone Jack</b>             |
| 7.  | <b>Volume Down</b>          | 30.      | <b>Mic. Remote On/Off Jack</b>     |
| 8.  | <b>Volume Up</b>            | 31.      | <b>Remote Sensor</b>               |
| 9.  | <b>Treble Up</b>            | 32.      | <b>Balance Control</b>             |
| 10. | <b>Treble Down</b>          | 33.      | <b>Carrying Handle</b>             |
| 11. | <b>Bass Up</b>              | 34 & 35. | <b>Stop/Eject</b>                  |
| 12. | <b>Bass Down</b>            | 36.      | <b>Tape Cassette A</b>             |
| 13. | <b>Telescoping Antenna</b>  | 37.      | <b>Tape Cassette B</b>             |
| 14. | <b>Tuner Up</b>             | 38 & 39. | <b>Play</b>                        |
| 15. | <b>Tuner Down</b>           | 40 & 41. | <b>Pause</b>                       |
| 16. | <b>Preset</b>               | 42 & 43. | <b>Rewind</b>                      |
| 17. | <b>Program</b>              | 44 & 45. | <b>Fast Forward</b>                |
| 18. | <b>CD Door</b>              | 46.      | <b>Tape Counter</b>                |
| 19. | <b>Play/Pause</b>           | 47.      | <b>Stereo/Mono - FM Mode Only</b>  |
| 20. | <b>Skip Forward</b>         | 48.      | <b>Infrared Transmitter (2)</b>    |
| 21. | <b>Skip Backward</b>        | 49.      | <b>IR Headphone/Speaker Switch</b> |
| 22. | <b>Stop</b>                 | 50.      | <b>34B-IR Headphone</b>            |
| 23. | <b>Repeat</b>               |          | <i>(purchased separately)</i>      |

# Getting Started

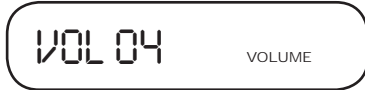
When the 'Power' button (1) is depressed the LED (2) to the left of the LCD display (3) will be red for standby mode. Pushing the LED will cause the LED to be green indicating the unit is fully powered up.

- Depressing the 'Tape' (4) button will cause the LCD display to show 'Tape'.
- Depressing the 'AM/FM' (5) button will cause the LCD display to show 'AM' or 'FM'.
- Depressing the 'CD' (6) button will cause the LCD display to show 'Disc'.

## Digital Volume Control

- Press 'VOL ▼' (7) to reduce or 'VOL ▲' (8) to increase the volume. The level will be shown in the LCD panel. Minimum volume will show '00' and maximum volume is '40' on the LCD display.

### Electronic Volume Control Display



## Treble and Bass Controls

'TREBLE ▲' (9) and 'TREBLE ▼' (10) can be used to adjust the Treble up and down respectively, while 'BASS ▲' (11) and 'BASS ▼' (12) can be used to adjust the Bass up and down respectively. Both Treble and Bass can be adjusted in the range of +5 to -5.



## EQ Control

Press 'EQ' (9) to select the equalizer as sequence.

## Radio Function

- Press 'AM/FM' (5) to select the desired reception band. Extend the telescoping antenna (13) for FM. There is a built-in antenna for AM reception. For FM stereo reception the 'stereo' will show on the LCD display.



AM BAND SELECTION

- Press the 'TUNER ▲' (14) or 'TUNER ▼' (15) button repeatedly until the desired station shows on the LCD display.
- To automatically scan through the frequency bands, hold the 'TUNER' button down until you see the speed of the LCD display increase. Scanning will stop when a strong signal is detected.

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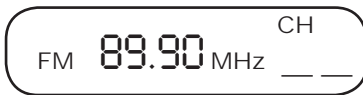
# Radio Function *continued*

## Programming Stations

Twenty FM stations and Twelve AM stations can be saved in memory with the 'PRESET' (16) function.

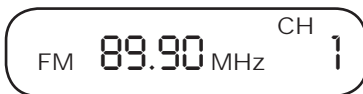
- To save a station into memory, first select a station and then press the 'PROGRAM' (17) button to see ' \_\_ ' appear on the LCD display.

### Memory Display



- Press 'PRESET' key to choose the desired channel (e.g. channel 1) then press 'PROGRAM' again to save.

### Memory Display



- Select another station and press 'PROGRAM' again, then press 'PRESET' to select channel 2. Press 'PROGRAM' again to save.

To access preset stations simply press the 'PRESET' button until the desired channel is found.

## AM/FM Radio Operation

The 2395IR features an AM/FM PLL (phase locked loop) stereo radio and telescopic antenna for local AM and FM stereo reception.

To operate the radio:

1. Plug the unit in.
2. Set the FUNCTION selector to Radio.
3. Extend the telescope antenna.
4. Select AM, FM or FM Stereo reception band.
5. Use the Tuning buttons to select the desired station.
6. Adjust antenna for best reception.

**Note:** When tuning FM stereo stations the FM indicator will light when an FM stereo station is tuned in

*continued on page 7*

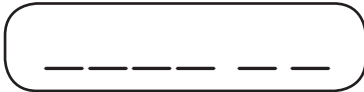
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# CD Function

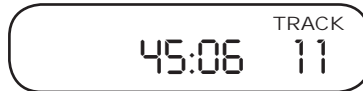
The CD player will accept both 12 cm and 8 cm discs and will read CD, CD-R and CD-RW formats.

- Before opening the CD door (18) the LCD will show dashed lines. Open the CD door and the LCD display will show 'Open'. Insert a CD, close the door and the LCD will display the number of tracks and total play time of the disc.

## READING TOC

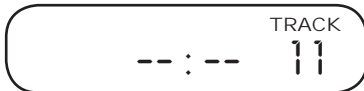


## AFTER READING TOC



- Press the 'PLAY/PAUSE button' (19) to play the CD and the LCD display will flash while reading the disc. Then it will show track 1 and the elapsed playing time.

## SEARCHING TRACK 1



## PLAYING TRACK 1

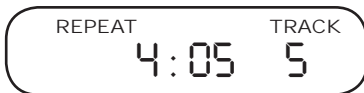


- To Pause press the 'PLAY/PAUSE' button (19) while the disc is playing, the playing time will flash. Pressing the 'PLAY/PAUSE' button again will start the disc again from where it paused.
- To select a track to play, press the 'SKIP FORWARD' ►►| (20) or 'SKIP BACKWARD' |◄◄ (21) button either from 'Stop' or 'Pause'. Each press will change the track number by one.
- If the CD is playing, pushing and holding the 'SKIP' ►►| button will advance through the current track until it is over, then proceed to advance through the next track as long as the button is held down. Conversely, pushing and holding the 'SKIP' |◄◄ button will scan in the reverse direction through the track currently playing and continue through previous tracks as long as the button is held down.
- To stop playing the disc, press the 'STOP' button (22).

## Repeat Playing

- To repeat one track, press the 'REPEAT' button (23) one time either while playing or in pause.

### ONE TRACK REPEAT (FLASHING)



- To replay all tracks, press the 'REPEAT' button a second time either while playing or in pause.
- A third press of the 'REPEAT' button will cancel the repeat command.

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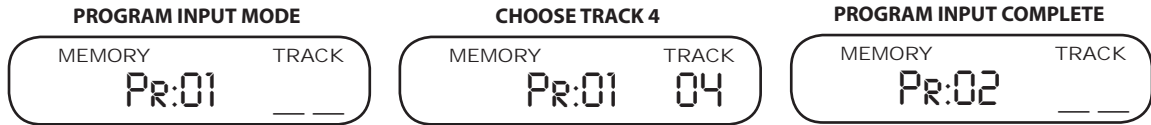
# CD Function *continued*

## Memory Programming

Up to 16 tracks can be programmed.

With the CD stopped press the 'PROGRAM' button one time. Select a track to play by pushing the 'Skip Forward' ►►| or 'Skip Back' |◄◄ button. Push the 'PROGRAM' button again to enter another track to save in memory. When finished, press the 'PLAY/PAUSE' button to start the program. Pressing 'STOP' at any time exits the Program function.

**Note:** When the CD door is opened all programming is cleared.



## Random Play Function

Pressing the 'RANDOM' button (24) during CD play or stop condition will engage random play. Pressing again will cancel the function. Note: If the CD has memory programmed, the random function cannot operate until the program is cleared.

## Play Time Mode

Pressing the 'PLAY TIME' button (25) changes the time format on the LCD from elapsed time of each track to the total time remaining on the CD.

## Compact Disc Player Operation

The 23951R Programmable Compact Disc Player plays both 12cm and 8cm CDs, CD-R, CD-RW without requiring an adapter. Up to 20 tracks can be programmed for play.

## Loading a Compact Disc

1. Lift to open the CD door and see "OPEN" on the LCD display.
2. Place a CD in compartment with label side up.
3. Press the CD door down to close.

## Compact Disc Play

To play a loaded CD:

1. Turn power ON.
  2. Set the FUNCTION Selector to CD.
  3. The LCD will show the number of tracks and playing time.
  4. Press the PLAY/PAUSE button.
- The CD Display will show the current track and playing time.

## To pause while playing CD

Press the PLAY/PAUSE button again. The pause indicator "||" will appear on the display. Press PLAY/PAUSE again to resume play.

## To stop playing CD

Press the STOP button. The Display shows, "—".

**Note:** When you press PLAY again the Player will return to the first song. The Display will show "00" and then "01".

## To skip forward or backward from track to track during playback

Press the (SKIP ►►|) button once and the next track will be displayed and begin playing. Press repeatedly to move forward to the desired track.

Press the (SKIP |◄◄) button once to return to the beginning of the current track. Press repeatedly to skip back to earlier tracks. Playback resumes from the selected track.

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## CD Function *continued*

### To search forward or backward to a particular point on a track during playback

Press and hold the (SKIP|◀◀) or (SKIP ▶▶) buttons to search forward or backward through the current track. Playback resumes at the point you release the button.

### Program Playback

Up to 20 tracks can be programmed for playback. To program a song sequence:

1. Press STOP first if the CD is playing.
2. Press the PROGRAM button. The CD display will show P:01
3. Press the (SKIP>>) and or (SKIP<<) buttons to select the first track to program.
4. Once the desired track is reached, press the PROGRAM button to enter the track number into memory.
5. Repeat steps 3 & 4 to program additional tracks.
6. Press the PLAY/PAUSE button to start programmed playback.

**Note:** The program will be erased when you press the CD PROGRAM button.

### Repeat CD Selections

Repeat one or all programmed selections using the CD REPEAT button. Push the button once to replay any single selection. Push the button twice to replay all programmed selections (in programmed order). Push the button three times to clear the REPEAT function. "REPEAT ONE" or "REPEAT ALL" will appear on the CD PROGRAM DISPLAY when the CD REPEAT button is pushed.

## Cassette Function

### Dual Cassette Operation

The 23951R features a cassette for playback and recording from radio, CD, cassette and microphone. The dual cassette decks offer playback, continuous playback (Deck B to Deck A) and recording from tape, radio, microphone or CD on Deck A only.

### Loading a Tape

To load a cassette tape, press the STOP/EJECT button (34) on Tape A or (35) on Tape B to open the cassette door. Insert tape with playing side label facing you. Close the cassette door to lock the tape in position. Note: While Deck A is in playback mode, Deck B must be stopped and not in PLAY or PAUSE mode for Deck A to playback.

### Tape Playback

To play a loaded cassette tape:

1. Set FUNCTION button to TAPE
2. Press PLAY Deck A or B (38) (39)
3. Adjust VOLUME (7) (8)
4. Adjust TREBLE and BASS controls (9) (10) (11) (12)

### To Stop Playback

Press the STOP/EJECT key (34) (35).

### To Pause Playback

Press the PAUSE key (40) (41) all the way down to lock. To resume play, press the PAUSE key again, and release.

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# Cassette Function *continued*

## To Fast Wind/Rewind

Press the REWIND (42) (43) or FAST-FORWARD (44) (45) key. Press the STOP/EJECT key to stop winding at the desired position. During fast winding, regular play, or recording, the tape will stop automatically when its end is reached.

## Continuous Play from one cassette deck to the other cassette deck

1. Set the FUNCTION selector to TAPE.
2. Load prerecorded cassettes into Deck A and Deck B.
3. Press the PLAY button on Deck B.
4. Press the PAUSE and PLAY buttons on Deck A.
5. Adjust the Volume and Tone controls.
6. When the tape in Deck B reaches its end, it will automatically stop and the tape in Deck A will begin playing automatically.

## To Record from Microphone, Tape, Radio or CD

This unit has an ALC (Automatic Level Control) circuit and no further adjustment of the Volume control is necessary while recording. Set the FUNCTION Selector to:

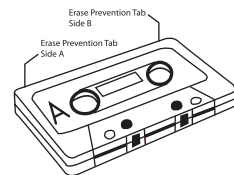
- TAPE (4) to record from microphone. Plug mic into jack (29) or (30)
- AM/FM (5) to record from radio
- CD (6) to record from CD

1. Insert a blank tape into cassette Deck A.
2. Press the PAUSE button then the RECORD button on Deck A to prepare for recording. As the RECORD button is pressed the PLAY button will follow.
3. Press PAUSE again to start recording.

## Recording from Tape B to Tape A

1. Insert a blank tape into cassette Deck A, and the source or prerecorded tape into Deck B.
2. Press the PAUSE button then the RECORD button on Deck A to prepare for recording. As the RECORD key is pressed the PLAY button will follow.
3. Press the PLAY button on Deck B, the PAUSE button on Deck A will release automatically and recording will begin.

**Note:** Every new cassette tape has erase prevention tabs. Commercially prerecorded tapes have the tabs removed to prevent recording over the original material or accidental erasure. Cover the openings with adhesive tape if you wish to record over such cassette tape.



## To Stop Recording

Press the STOP/EJECT button on Deck B or press the PAUSE key on Deck A to momentarily stop recording.

## Cueing with the Tape A Counter (46)

Rewind the tape to the beginning. Press the RESET button to reset the counter to (000). Use the Tape A Counter Display to note precise points on an audio tape during playback and to cue the tape to those precise points using the Fast-Forward/Cue or Rewind/Review buttons.

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# Headphone Listening

## Listening with Wired Headphones

Two headphone jacks are located on the Music Maker™ - a single 3.5 mm jack (26) on the top and one 1/4" phone jack (27) on the rear of the cabinet. A jackbox can be plugged into either for multiple listeners.

**Califone recommends using headphones for group listening situations.**



## Listening with Wireless Headphones

The Infrared Music Maker™ provides for an unlimited number of 34B-IR infrared headphone listeners within its 15' wireless transmission range. Six of these headphones come with the 6-person Wireless Listening Center (2395IRPLC-6) or can be purchased separately for use with the 2395IR.

Infrared audio is line-of-sight transmission. There must be an unobstructed view from the headphone to the Music Maker in order for reception to be heard. Audio signals are sent through the air by an FM (frequency modulation) carrier. Since the transmission is from a light source (LED, light emitting diodes) the system will not work in bright sunlight.

**Suggestion:** Best reception for all infrared headphones is when listeners form a maximum 10-15' semi-circle in front of the Music Maker™.

To transmit audio from radio, CD or tape simply switch (49) to infrared headphone and transmission begins from the red IR domes (48). Both domes must remain uncovered in order to transmit.

## Audio from speakers or to headphones

Audio will project from either the speakers **OR** to the wireless headphones - not to both at the same time.

**Note:** The internal speakers and headphone jacks are disconnected in IR mode. Only Califone 34B-IR infrared headphones must be used to receive the audio (purchased separately).

**Note:** There is no limit on the number of headphones that can be used as long as there is nothing blocking the transmission from the 2395IR.



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# Other Features and Functions

## Extension Speaker Jacks

Stereo extension speakers may be plugged into the 1/4" L (left) and R (right) speaker jacks (28) on the rear of the cabinet.

**NOTE: WHEN EXTENSION SPEAKERS ARE PLUGGED IN THE INTERNAL SPEAKERS ARE DISABLED**

## Microphone Jack

To record using a dynamic microphone, plug into the 3.5 mm jack (29) on the rear of the cabinet. Another jack, 2.5 mm (30) is provided for use with Califone model 4805AV microphone with remote Start/Stop.

## RC-2300 Remote Control

- The RC 2300 provides most functions available on the Music Maker™ controls. It does not, however, function with tape operations.
- **INTRO** : One feature added to the remote is the Intro function. While in the CD mode press the 'PLAY' button, then press the 'INTRO' button. This will give a preview of each track for 10 seconds. Press the INTRO button again to resume normal play. If the INTRO button is not pushed a second time, the preview will continue through the last track. Pushing PLAY, PAUSE or STOP will not disengage the Intro function.
- **MUTE** : Mute is another feature added to the remote. It works with tape, AM/FM and CD functions.
- **10+** : This button allows you to jump forward a number of tracks rather than use the scan forward feature. From stop, pause or play, pushing the 10+ button once will show a 1 and a flashing – (dash) see 1-. To jump to track 15 enter 5. To go to track 23 from track 6 press 10+ twice and see 2-. Enter 3 and jump to track 23.

## Other Notes

- The 'SCAN/SKIP' buttons are the same as the Tuner ▲, 'Skip forward▶▶'| and Tuner ▼, Skip back |◀◀' buttons on the boombox.
- The 'REPEAT' button is the same as the 'PRESET/REPEAT' button on the boombox.
- The 'TIME' button is the same as the 'PLAY TIME' button on the boombox.

# Care and Maintenance

## Care and Handling of Compact Discs

1. Handle the disc by its edges or center hole. To keep the disc clean, avoid touching the data surface.
2. Data is embedded directly beneath the label, protected only by a thin lacquer layer and is more vulnerable to damage than the bottom. A scratch that penetrates the label will certainly destroy data, whereas a scratch on the bottom can often be overlooked or corrected by the laser pickup.
3. Do not write on the label surface. A ballpoint will damage data; marking pens have solvents that may penetrate the top layer.
4. Do not stick paper or tape on the label surface; this probably won't hurt the disc but might jam the disc drive.
5. Do not expose a disc to high temperature or humidity for an extended period of time. The disc material will soften at around 200 degrees Fahrenheit. Allow the disc to reach room temperature before playing if it has been subjected to extreme cold.
6. Preventive cleaning is unnecessary and potentially harmful. Clean only when required.
7. Clean a disc with a soft moistened cloth. Pat dry. Wipe the disc from the center out like spokes of a wheel. Never wipe across a disc as you would an LP record.
8. Never use solvents, commercial cleaners or sprays designed for LP's. Plain lukewarm water is recommended.
9. Keep discs protected at all times.

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# Care and Maintenance *continued*

## Cassette Maintenance & Service Cleaning

The heads, capstan and pinch roller should be cleaned from time to time to prevent buildup of tape oxide, which degrades performance.

1. Remove cassette tape before cleaning.
2. Clean the head of all visible, reddish-brown oxide with a cotton-tipped swab moistened with a methyl alcohol or any solution specifically manufactured for this purpose.

**Caution:** DO NOT scrape the head surface with hard, sharp or abrasive objects. This will permanently damage the heads.

3. Clean the pinch roller by scrubbing the surface of the roller with the moistened swab. Rotate the roller by hand until the entire surface is clean.
4. Clean external case surfaces with a moist, soft cloth. Use only a mild detergent water solution.

## Tape Head Demagnetization

It is recommended that the tape heads be demagnetized from time to time. This eliminates residual magnetism which degrades sound reproduction and the recording function.

1. After cleaning the heads and capstan, place the demagnetizer several feet away from the cassette unit and plug it into an AC outlet.
2. Follow the manufacturer's operating instructions supplied with the demagnetizer.

# Specifications

Transmission Frequency	2.3 MHz
IR Transmission Range	15 feet @ 360 degrees
Output Power	6W
Radio Frequency Range	AM 525-1710KHZ FM 88 – 108 MHz
Cassette Frequency Response	80Hz – 12000Hz
CD Frequency Response	20Hz-20000Hz
Power Supply	AC 110V – 60Hz, 8"D" (UM-1) Cells
Dimensions (WxHxD)	16 1/4"W x 6 1/4"H x 9 1/4"D
Weight	7 lbs.

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# Troubleshooting

## PROBLEMS

### General

The unit does not operate.

### Cassette

Cassette cannot be loaded.

The tape does not move.

The tape gets caught in the tape transport mechanism.

Tape speed is slow.

Tape running is unstable.

There is excessive noise, the sound quivers or there are breaks in the sound.

### Recording

The RECORD key cannot be depressed.

Recording cannot be done.

The previous recording cannot be erased.

No sound output.

### CD

CD play does not begin.

The CD produces no sound

The CD sound jumps.

CD stops immediately.

CD takes too long to start

### AM/FM Radio

No sound or signal

Signal is unclear.

FM Stereo reception is unclear.

### IR Headphone

No infrared transmission

## ITEMS TO CHECK

Is the AC power cord unplugged?  
Are the batteries fully charged?

Is cassette being loaded properly?  
Is the PLAY key depressed?

Is the PAUSE key depressed?

Is the pinch roller or capstan dirty?  
Is there excessive slack in the tape?

Is the tape too old or the quality bad?

Is there excessive slack in the tape?

Are the tape heads dirty?

Is a cassette loaded?  
Is the cassette's erasure prevention tab broken off?  
Are the heads dirty?  
Is the erasure head dirty?  
Is the tape type other than type 1 normal bias?

Is the master volume turned up?

Is the AC power cord unplugged or loose?  
Is the CD upside down?  
Is the CD or lens excessively dirty?  
Is the disc holder closed properly?  
Is the PAUSE mode on?  
Is the FUNCTION switch on CD mode?  
Is there condensation inside the unit? If so, let stand for 1-2 hours until dry.  
Is the lens or CD excessively dirty?  
Is the unit subjected to excessive vibration?  
Are there any bad scratches on the CD?  
Is CD loaded upside down?  
Is CD not set properly in tray?  
Is CD excessively dirty?  
Press STOP and PLAY/PAUSE again, repeat if necessary.

Is FUNCTION Selector set to Radio?  
Is Band Selector set properly?

Is telescoping antenna fully extended and properly positioned for best reception?

Tune Radio so FM Stereo LED is lit. Adjust antenna if necessary.

Check IR switch on rear of boombox;  
check Power Switch and batteries in the 34IR headphone.



## CAUTION

### RISK OF ELECTRIC SHOCK - DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.



This product is not designed to function normally in strong electromagnetic fields. Consequently, the audio quality may degrade while the product is exposed to strong electromagnetic fields. Normal audio quality operation will be recovered when the strong electromagnetic field is no longer present.

**WARNING:**  
TO REDUCE THE RISK OF  
FIRE OR ELECTRIC SHOCK, SO  
NOT EXPOSE THIS APPLIANCE  
TO RAIN OR MOISTURE.



Ce produit n'est pas conçu pour un fonctionnement dans de forts champs électromagnétiques. Par conséquent, la qualité sonore peut diminuer si ce produit est exposé à un fort champ électromagnétique. La qualité sonore redeviendra normale après affaiblissement du champ électromagnétique.

## IMPORTANT SAFETY INSTRUCTIONS

**ATTENTION:** ALL SAFETY AND OPERATING INSTRUCTIONS SHOULD BE READ BEFORE OPERATING APPLIANCE. ALL OPERATING AND USE INSTRUCTIONS SHOULD BE FOLLOWED WHEN OPERATING THE APPLIANCE. HEED AND ADHERE TO ALL WARNINGS ON THE APPLIANCE AND IN THE OPERATING INSTRUCTIONS. RETAIN ALL SAFETY AND OPERATING INSTRUCTIONS FOR FUTURE REFERENCE.

**WATER & MOISTURE** - DO NOT USE THE APPLIANCE NEAR WATER; IE. BATHTUB, WASHBOWL, KITCHEN SINK, LAUNDRY TUB, WET BASEMENT OR SWIMMING POOL.

**VENTILATION** - DO NOT SITUATE THE APPLIANCE SO THAT ITS LOCATION OR POSITION INTERFERES WITH ITS PROPER VENTILATION. FOR EXAMPLE, THE APPLIANCE SHOULD NOT BE SITUATED ON A BED, SOFA, RUG OR SIMILAR SURFACE THAT MAY BLOCK THE VENTILATION OPENINGS. THE APPLIANCE SHOULD NOT BE PLACED IN A BUILT-IN INSTALLATION, SUCH AS A BOOKCASE OR CABINET, THAT MAY IMPEDE THE FLOW OF AIR THROUGH THE VENTILATION OPENINGS.

**HEAT** - SITUATE THE APPLIANCE AWAY FROM HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES OR OTHER APPLIANCES (INCLUDING AMPLIFIERS) THAT PRODUCE HEAT.

**POWER SOURCES** - CONNECT THE APPLIANCE ONLY TO A POWER SUPPLY TYPE DESCRIBED IN THE OPERATING INSTRUCTIONS OR MARKED ON THE APPLIANCE.

**GROUNDING OR POLARIZATION** - PRECAUTIONS SHOULD BE TAKEN SO THAT THE GROUNDING OR POLARIZATION MEANS OF THE APPLIANCE ARE NOT DEFEATED.

**POWER CORD PROTECTION** - POWER SUPPLY CORDS SHOULD BE ROUTED SO THAT THEY ARE NOT LIKELY TO BE WALKED ON OR PINCHED BY ITEMS PLACED UPON OR AGAINST THEM, PAYING PARTICULAR ATTENTION TO CORDS AT PLUGS, CONVENIENCE RECEPTACLES, AND THE POINT WHERE THEY EXIT FROM THE APPLIANCE.

**CLEANING** - THE APPLIANCE SHOULD BE CLEANED ONLY AS RECOMMENDED BY THE MANUFACTURER.

**NON USE PERIODS** - UNPLUG THE APPLIANCE POWER CORD FROM THE OUTLET WHEN LEFT UNUSED FOR A LONG PERIOD OF TIME.

**OBJECT & LIQUID ENTRY** - CARE SHOULD BE TAKEN SO THAT OBJECTS DO NOT FALL AND LIQUIDS ARE NOT SPILLED INTO THE ENCLOSURE THROUGH OPENINGS.

**DAMAGE REQUIRING SERVICE** - THE APPLIANCE SHOULD BE SERVICED BY QUALIFIED SERVICE PERSONNEL WHEN: (A) THE POWER SUPPLY CORD OR THE PLUG HAS BEEN DAMAGED (B) OBJECTS HAVE FALLEN OR LIQUID HAS BEEN SPILLED INTO THE APPLIANCE (C) THE APPLIANCE HAS BEEN EXPOSED TO RAIN (D) THE APPLIANCE DOES NOT APPEAR TO BE OPERATING NORMALLY OR EXHIBITS A MARKED CHANGE IN PERFORMANCE (E) THE APPLIANCE HAS BEEN DROPPED OR THE ENCLOSURE DAMAGED.

**SERVICING** - THE USER SHOULD NOT ATTEMPT TO SERVICE THE APPLIANCE BEYOND THAT DESCRIBED IN THE OPERATING INSTRUCTIONS. ALL OTHER SERVICING REFER TO A QUALIFIED SERVICE PERSONNEL.



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