



CR2405H

Director

Instruction Manual



www.crosleyradio.com

ENGLISH

IMPORTANT SAFETY INSTRUCTIONS

PLEASE READ CAREFULLY ALL THE FOLLOWING IMPORTANT SAFEGUARDS THAT ARE APPLICABLE TO YOUR EQUIPMENT

1. Read these instructions– All the safety and operating instructions should be read before this product is operated.
2. Keep these instructions– The safety and operating instructions should be retained for future reference.
3. Heed all warnings– All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions– All operating and use instructions should be followed.
5. Do not use this apparatus near water– The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Please keep the unit in a well-ventilated environment.
16. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus should not be exposed to dripping or splashing. Objects filled with liquids, such as vases should not be placed on the apparatus.
17. **WARNING:** The mains plug or appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.
18. **Damage Requiring Service -** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power-supply cord or plug is damaged.
 - b. If liquid has been spilled, or objects have fallen into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - e. If the product has been dropped or damaged in any way.
 - f. When the product exhibits a distinct change in performance – this indicates a need for service.
19. **Replacement Parts -** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
20. **Safety Check -** Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
21. **Heat -** The product should be situated away from heat sources such as radiators. Heat registers, stoves, or other products (including amplifiers) that produce heat. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.



AC
Polarized Plug

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital 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 the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a 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 try to correct the interference by one or more of the following measures:

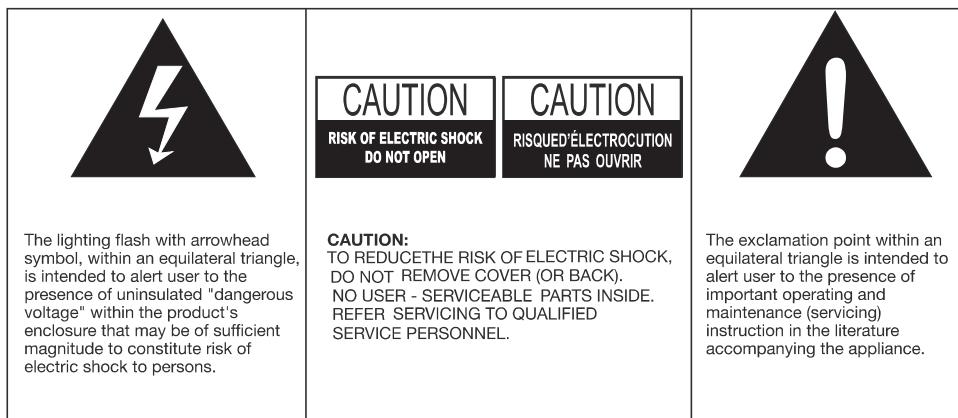
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated With minimum distance 20cm between the radiator & your body.

ENGLISH**WARNING:**

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DO NOT REMOVE COVER. PILOT LAMPS SOLDERED IN PLACE. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**Specifications****TUNER**

FM
Frequency Range..... 88 to 108 MHz
AM
Frequency Range..... 530 to 1700 KHz

CD PLAYER

Frequency Response.....	100 to 16.000Hz +/- 6 dB
Signal-to-Noise Ratio.....	50 dB (IEC-A)

CASSETTE DECK

Track System.....	4 Track, 2 channel stereo
Tape Speed.....	4.8cm/sec
Wow and Flutter.....	0.4% (WRMS)
Frequency Response.....	125 to 6300 Hz +/- 6 dB

RECORD PLAYER

Motor.....	DC servo motor
Drive System.....	Belt Drive
Speeds.....	33-1/3 rpm, 45 rpm and 78 rpm
Wow & Flutter.....	Less than 0.35% (WTD)
S/N Ratio.....	More than 50 dB
Cartridge Type.....	Ceramic Stereo Cartridge
Stylus.....	NP6

SPEAKERS

Type.....	1-way
Impedance.....	4ohms
Input Power.....	Max 5W
Frequency Response.....	100 to 16.000Hz

GENERAL

Power Requirements.....	120V 60Hz
Power Consumption.....	50W
Dimensions (W x D x H).....	20.9in X17.5in X 13.0in
Weight.....	26.46lbs. (approx.)

Welcome

Thank you for purchasing the Crosley Director (**CR2405H**). Before operating this unit, please read this manual thoroughly and retain it for future reference.

About This Manual

Instructions in this manual describe the control functions of the **CR2405H**.

Included in the package:

- Director
- Remote Control
- 45 RPM adaptor
- 3.5mm Stereo Cable
- USB Cable
- Recording Software

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General

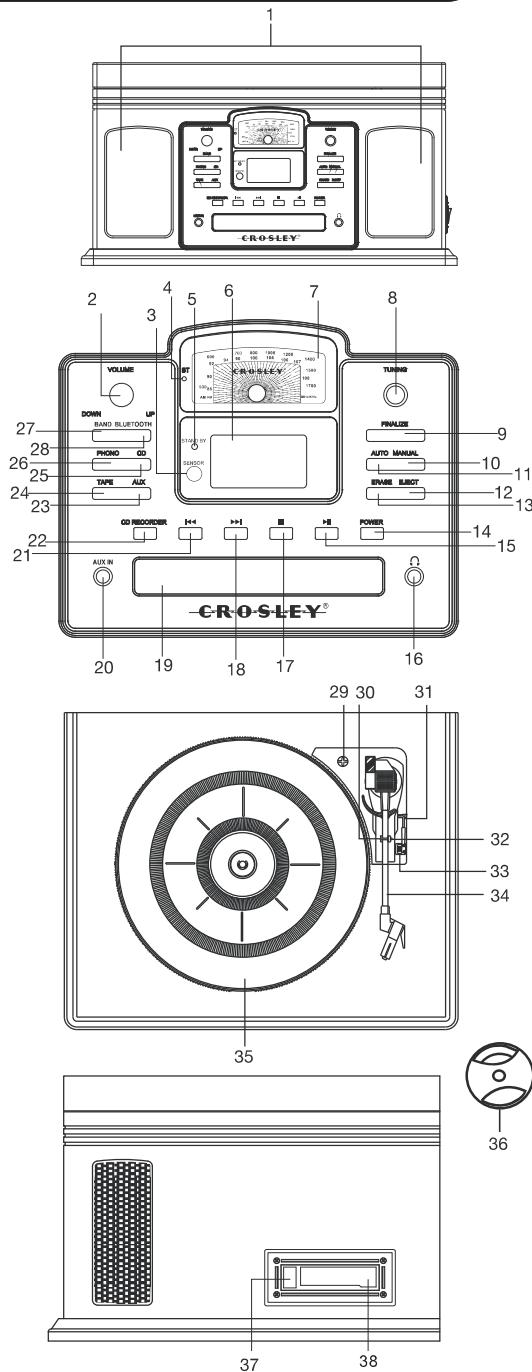
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ENGLISH

Control Locators

Unit Controls

- 1 Speakers
- 2 Volume
- 3 Sensor
- 4 Stereo Indicator
- 5 Stand By Indicator
- 6 LCD Display
- 7 Dial Scale
- 8 Tuning
- 9 Finalize
- 10 Manual Tune
- 11 Auto Tune
- 12 Eject
- 13 Erase
- 14 Power
- 15 Play / Pause ►||
- 16 Headphone Jack
- 17 Stop ■
- 18 Fast Forward ►►
- 19 CD Drawer
- 20 Aux In
- 21 Rewind ◀◀
- 22 CD Record
- 23 Auxiliary
- 24 Tape
- 25 CD
- 26 Phono
- 27 Band
- 28 Bluetooth
- 29 Turntable Suspension Screw
- 30 Hold Down Clip
- 31 Cue Lever
- 32 Tone Arm Rest
- 33 Speed Control Switch
- 34 Tone Arm
- 35 Turntable
- 36 45 RPM Adapter
- 37 Stop/Eject ■
- 38 Cassette Door

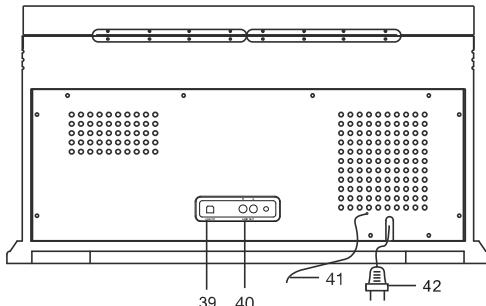


ENGLISH

Control Locators

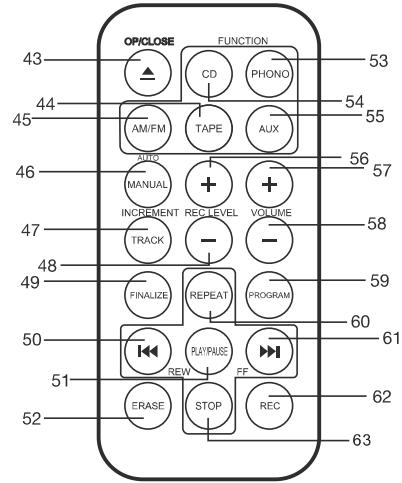
Unit Controls

- 39 USB-PC Jack
- 40 Line Out Jack
- 41 External Antenna
- 42 AC Power Cord



Remote Controls

- 43 Open / Eject
- 44 Tape Button
- 45 AM/FM Tuner
- 46 Manual
- 47 Track
- 48 Record Level Down
- 49 Finalize
- 50 Backward Skip
- 51 Play / Pause
- 52 Erase
- 53 Phono
- 54 CD
- 55 Auxiliary
- 56 Record Level Up
- 57 Volume Up
- 58 Volume Down
- 59 Program
- 60 Repeat
- 61 Foward Skip
- 62 Record
- 63 Stop ■



Getting Started

Unpacking

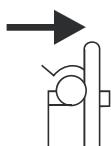
- 1 Remove packing materials from unit.
NOTE: Save all packing materials.
- 2 Remove plastic bag covering radio.
- 3 Remove plastic safety cover from A/C plug.
- 4 Remove tie from A/C cord and untie antenna wire on back of radio.
- 5 Open lid and remove Styrofoam shipping material from turntable.
- 6 Remove black tie-wrap from under the tone arm.
- 7 Remove tape and white protective needle cover by gently pulling down off the tone arm.



- 8 Turn the TURNTABLE SUSPENSION SCREW (29) clockwise until it is all the way down. Do not force or over tighten it. This allows the turntable to float on its shock absorbers.

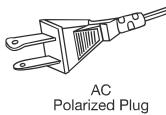


- 9 Release tone arm hold down clip by gently pushing to the right. This will unlock tone arm from its arm rest. Re-lock the hold down clip when moving the unit to another location.



Power Source

- 1 Unwind the AC POWER CORD (42) at the back of the unit and connect it to a power outlet.
- 2 Plug A/C cord into appropriate outlet.
AC Polarized Plug

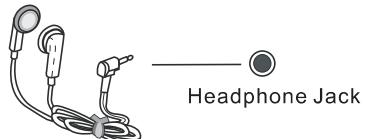


- 3 This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the polarized plug.

Headphone Jack Operation

- 1 Connect headphone to the Headphone Jack (16).
- 2 Adjust volume to the desired listening level.

NOTE: When using headphone, the sound from the unit speakers will be cut off.



NOTE: Headphone not included with unit.

Operation

General

- 1 Make sure the unit is plugged in correctly to an AC outlet.
- 2 Press the POWER button (14) to turn on the unit.
- 3 Once the power is turned on, select the desired source (CD/Band/Phono/Tape/Aux) by pressing the corresponding button.

Antenna

Antenna: for FM reception, the unit is provided with a EXTERNAL FM ANTENNA (41), move the wire until the reception is clear and with no interferences. For AM reception, the unit is provided with a directional build-in ferrite antenna. Rotate the set to find the position in which the best reception is obtained. Do not connect the EXTERNAL FM ANTENNA (41) to any outside antenna.

Radio Operation

- 1 Press the BAND button (27) to set the unit to Tuner mode
- 2 Press the BAND button (27) again to select the desired tuning band (AM/FM).
- 3 Select the desired radio station by rotating TUNING KNOB (8).
- 4 Adjust the volume to the desired listening level.

Operation

Turtable Operation

- 1 Press the PHONO button (26/53) to set the unit to Phono mode.
- 2 Set the SPEED CONTROL SWITCH (33) to the correct speed (33 1/3, 45 or 78 rpm) for the selected record.
- 3 Use the CUE LEVER (31) to raise the tone arm off its rest. Move the tone arm over the record and use the cue lever to lower it to the point from which you want the record to start.
- 4 At the end of the record, the tone arm will return to its rest.

Accessory: Adapter for 45 RPM

To play the 45rpm record, place the ADAPTER (36) on the spindle.



Playing a Cassette

- 1 Press the TAPE button (24/44) to set the unit to TAPE mode.
- 2 Insert a prerecorded cassette tape into the cassette door.
- 3 Once fully inserted, tape will begin to play.
- 4 To stop playback and eject the cassette tape, press the STOP/EJECT (37) button.

To Fast Forward

- 1 While the cassette tape is playing, press the STOP/EJECT (37) button to half way in.
- 2 Once the desired position is reached, press the STOP/EJECT (37) again to resume playback.

Operation

Playing a CD

- 1 Press the CD button (25/54) to set the unit to CD mode.
- 2 Press the EJECT button (12/43) to open the CD drawer. Insert a CD into the tray with the label side facing up.
- 3 Press the EJECT button (12/43) again to close the CD drawer. The display will show "busy" for a few seconds, then it will display the total track numbers and total playing time of the disc
- 4 Press the PLAY/PAUSE **▶||**(15/51) button to start playback.
- 5 To skip forwards or backwards through the tracks on a CD, press the **▶||**(18/61) or **||◀** (21/50) buttons.

Programmed Playback

- 1 Make sure the CD is stopped.
- 2 Press the PROGRAM (59) button on the remote control once. "001 P-01" will show on the display.
- 3 Press the **▶||** (18/61) or **||◀** (21/50) buttons to select a desired track.
- 4 Press the PROGRAM (59) button once to store the selected track number.
- 5 Repeat above steps 3 and 4 to program additional tracks into memory.

NOTE: Maximum of 32 tracks can be programmed into memory.

Repeat Playback

- 1 To repeat a whole CD, press the REPEAT(60) button on the remote control once, The display will show "REPEAT ALL". Once the disc is finished, it will start over again from the beginning.
- 2 To repeat a single track, select the desired track number and press the REPEAT (60) button twice. "REPEAT 1 " will show on the display and the selected track will repeat once it is finished.
- 3 To turn off the repeat feature, press the REPEAT button (60) again. The repeat display will disappear from the LCD.

Operation

CD Recording Operation

Preparation

This unit is designed to record CD-R and CD-RW discs bearing the identification logo "Compact Disc Recordable" or "CD-Rewritable". If CD's do not conform to this standard, they may not record properly.

Recording Records to CD

- 1 Load a compatible blank CD-R or CD-RW into the unit.
- 2 Press the PHONO button (26/53) to set the unit to Phono mode.
- 3 Set the SPEED CONTROL SWITCH (33) to the correct speed (33 1/3, 45 or 78 rpm) for the selected record.
- 4 Press the CD RECORD button (22/62). "REC" will show on the top left of the display along with the Pause symbol.
- 5 Use the CUE LEVER (31) to raise the tone arm off its rest. Move the tone arm over the record and use the cue lever to lower it to the point you want the recording to start.
- 6 Press the PLAY/PAUSE (15/51) button to begin recording. The Pause symbol on the top left of the display will change to the Play symbol, indicating the unit is recording
- 7 Using the remote control, press the REC LEVEL + or - buttons to adjust the recording level so that the recording level display stays just below the OVER portion on the display. This will allow you to maximize your recording without distorting the sound.
- 8 Once the first side of the record is finished, press the STOP (17/63) button. The display will read "BUSY" for two seconds.
- 9 Turn the record over and repeat steps 4-6 to record the other side.
- 10 After recording is completed, press the STOP (17/63) button. The display will read "BUSY" for two seconds.

Recording Records to CD - cont.

- 11 Once you have finished the recording, press the CD button to put the unit into CD mode.
 - 12 Press the FINALIZE (9/49) button. The display will read "FIN-D".
 - 13 Press the PLAY/PAUSE (15/51) button to begin finalizing the CD. The display will read "BUSY" while the CD is being finalized.
 - 14 Once the CD has been finalized, the CD tray will open. The CD is now ready for use.
- NOTE:** If the CD is not finalized, it will not play in any other CD player. Not all CD players are compatible with CD-R and CD-RW's. Check the owner's manual for other CD players for compatibility.
- NOTE:** Once you finalize a CD, you cannot add any more content to that CD. If you are using a CD-RW, you can erase the whole CD and re-record the entire CD.

Recording Cassettes to CD

- 1 Load a compatible blank CD-R or CD-RW into the unit.
- 2 Press the TAPE button (24/44) to set the unit to tape mode.
- 3 Insert a prerecorded cassette tape into the cassette door.
- 4 Press the CD RECORD button (22/62). "REC" will show on the top left of the display along with the Pause symbol.
- 5 Press the PLAY/PAUSE (15/51) button to begin recording. The pause symbol on the top left of the display will change to the Play symbol, indicating the unit is recording

Operation

Recording Cassettes to CD - cont.

- 6 Using the remote control, press the REC LEVEL + or - buttons to adjust the recording level so that the recording level display stays just below the OVER portion on the display. This will allow you to maximize your recording without distorting the sound.
- 7 Once the first side of the tape is finished, press the ■ STOP (17/63) button. The display will read "BUSY" for two seconds.
- 8 Turn the tape over and repeat steps 4-6 to record the other side.
- 9 After recording is completed, press the ■ STOP (17/63) button. The display will read "BUSY" for two seconds.
- 10 Once you have finished the recording, press the CD button to put the unit into CD mode.
- 11 Press the FINALIZE (9/49) button. The display will read "FIN-D".
- 12 Press the ▶■ PLAY/PAUSE (15/51) button to begin finalizing the CD. The display will read "BUSY" while the CD is being finalized.
- 13 Once the CD has been finalized, the CD tray will open. The CD is now ready for use.

NOTE: Once you finalize a CD, you cannot add any more content to that CD. If you are using a CD-RW, you can erase the whole CD and re-record the entire CD.

Dividing a CD Into Individual Tracks

You can divide your recording into separate tracks if you wish. By doing this, each song will have its own sequential track number. To do this, you must use this feature during recording. You cannot split the CD into separate tracks once it has been recorded.

Manual Track Division

While recording your record or cassette tape, listen for the end of each song. There will usually be a brief silence between songs. Once you are at the end of the song, press the MANUAL (10/46) button. The recording will then go to the next track number by increments of one. Once the recording is finished, you can press the ▶■ (18/61) or the ■◀ (21/50) buttons to go to the beginning of each song.

Auto Track Division

Before pressing the CD RECORD (22/62) button to begin your recording, you can set the unit to automatically divide the CD into individual tracks. To do so, press the AUTO (11/46) on the unit or remote. The display will toggle between -20, -30, -40 and - - - to correspond with the decibel level required to split the tracks. For example, if you select -40, the unit will automatically split tracks when the recording level reaches -40db for a period of two seconds or more. Additionally, even while in the auto split mode, you can still manually divide the tracks at any time by using the method mentioned above.

Note: Due to the variances in the way different albums were recorded, you may need to try several combinations of the auto track split levels and recording levels.

Operation

Erasing a CD-RW

If using a CD-RW, you can erase the whole CD and re-record it. Erase procedures are only possible with CD-RW discs. It is not possible to erase or rerecord a CD-R CD. To erase a CD-RW, follow the steps below.

- 1 Press the CD button (25/54) to set the unit to CD mode.
- 2 Load a recorded CD-RW into the unit.
- 3 Press the ■ STOP button (17/63) to stop playback.
- 4 If the CD is finalized, you will need to un-finalize the CD first. Press the ERASE button (13/52), "UNFIN-D" will appear on the display. Press the ▶ || PLAY Button (15/51) to confirm, the erasing process will begin.
- 5 Press the ERASE button (13/52). The display will show "ER" and the last track number recorded on the disc. You have the option to erase just the last track or the whole CD. To erase just the last track, press the ▶ || PLAY/PAUSE (15/51) button to confirm. To erase the whole CD, press the ERASE (13/52) button again before pressing ▶ || PLAY/PAUSE (15/51). The display will read "ER ALL".
- 6 Press ▶ || PLAY/PAUSE (15/51) to confirm your selection. The display will read "BUSY".
- 7 Once finished, the display will show all 0's, indicating that the CD is now ready to record.

NOTE: Once a CD is erased, the contents that were on the CD cannot be retrieved.

USB Operation

Using the uncluded software and cable, the USB connection allows you to record your records onto your computer. Follow these instructions to use the USB.

- 1 Insert the enclosed software CD into your computer.
- 2 Follow the instructions on the computer screen to install the software. If the CD does not load automatically, browse the CD and run the executable file called "CR-USB.exe".
- 3 Connect the square end of the USB cable to the USB JACK(39) on the right side of the turntable.
- 4 Connect the other end to a USB port on your computer.
- 5 On your computer, open the Recording Software.
- 6 For instructions on operating the recording software, browse the software CD and open the Manuals folder.

Connections

AUX IN

- 1 Plug one end of the provided 3.5mm stereo cable into the AUX IN JACK(20).
- 2 Plug the other end of the stereo cable into the output jack of your desired external music device.
- 3 Check the volume level of your external device.
- 4 Refer to the user manual for correct operations of the external device to play music.

Bluetooth Operation

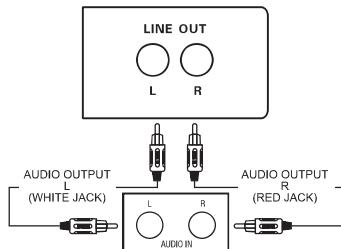
- 1 Press the Bluetooth Button(28) to change to Bluetooth Mode 
- 2 You will hear an activation tone from the unit.
- 3 Turn on the Bluetooth feature of your music device, search for  and pair.
- 4 Once your device is sucessfully paired with the unit, you will hear a confirmation tone from the unit.
- 5 Play and stream music from your device to the unit.

Audio Output

- 1 You can play the audio from the unit into your home stereo, television or other stereo sources by using the Audio Output feature.
- 2 To make this connection, you need a standard RCA cable (not included). Plug the red and white connectors on one end of the cable into the red and white LINE OUT JACK(40) on the back of the unit. Plug other end of the cable into the Aux input jack of your selected component.
- 3 Operate the unit as usual, you can hear the sound coming from the external stereo source.

NOTE: you can still listen to your unit when using

Audio Output



General

Troubleshooting

There is no power

- 1 Make sure the radio is plugged in correctly.
- 2 Check to make sure the unit is turned on by pressing the power button.

There is no sound

- 1 Check the volume level by turning the volume knob. Make sure the volume is set at the desired level before you begin recording.

Turntable does not work

- 1 Make sure the unit is set to Phono mode by pressing the PHONO button.
- 2 Check that the protective needle cover is removed.
- 3 Make sure the chrome Turntable Suspension Screw is screwed all the way down.

CD does not play

- 1 Check to make sure CD is inserted correctly (label side facing up).
- 2 Check that the surface of the CD is clean.
- 3 Make sure function switch is set to CD.
- 4 Make sure the CD is not blank.

Does not record

- 1 Make sure you are using a CD-R or CD-RW CD.
- 2 Check that the CD is blank.

Turntable has low volume

- 1 Remove and reinstall the stylus.