JENSEN®

ALL IN ONE STEREO MUSIC SYSTEM WITH MP3 ENCODING

MODEL: JTA-990
USER MANUAL

USB FLASH DRIVE COMPATIBLE

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	CAUTION	
	RISK OF ELECTRIC SHOCK **DO NOT OPEN**	
The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product is enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.	CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONEL.	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The Caution Marking is located at the back enclosure of the apparatus.
The Rating plate is located at the back enclosure of the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
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 product 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 is 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 a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. 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 a 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. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the apparatus.
16. Do not overload wall outlet. Use only power source as indicated.
17. Use replacement part as specified by the manufacturer.
18. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
19. Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instruction.
20. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
21. 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, and
    f) When the product exhibits a distinct change in performance - this indicates a need for service.
22. Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
23. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
24. Excessive sound pressure from earphones and headphone can cause hearing loss.
25. Minimum distances of 10 cm around the apparatus for sufficient ventilation.
26. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
27. No naked flame sources, such as lighted candles, should be placed on the apparatus.
28. The use of apparatus in moderate climates.
29. Attention should be drawn to the environmental aspects of battery disposal

This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts.

CAUTION:
TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT. FULLY INSERT THE PLUG TO MAIN POWER SOCKET.

AC Outlet

AC Plug
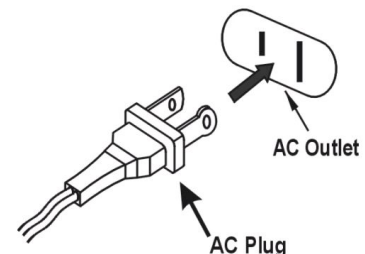
SAVE THESE INSTRUCTIONS

CAUTION

CLASS 1 LASER PRODUCT

CLASS 1 LASER PRODUCT **APPAREIL LASER DE CLASSE 1** **PRODUCTO LASER DE CLASE 1**	**CAUTION** **INVISIBLE LASER RADIATION** **WHEN OPEN AND INTERLOCKS** **DEFEATED.** **AVOID EXPOSURE TO BEAM**

This product contains a low power laser device.

Follow the advice below for safe operations.

ON PROTECTION AGAINST LASER ENERGY EXPOSURE

▪ As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing.
▪ Stop operation immediately if any liquid or solid object should fall into the cabinet.
▪ Do not touch the lens or poke at it. If you do, you may damage the lens and the player may not operate properly.
▪ Do not put anything in the safety slot. If you do, the laser diode will be ON when the CD door is still open.
▪ If the unit is not to be used for a long period of time, make sure that all power sources are disconnected from the unit. Remove all batteries from the battery compartment.
▪ This unit employs a laser. The use of controls or adjustment or performance of procedures other than those specified here may result in exposure to hazardous radiation.

Caution:
- Any use of the controls or performing any of the procedures in a way other than those specified herein may result in hazardous radiation exposure.
- This unit should not be adjusted or repaired by anyone except qualified service personnel.

ON PLACEMENT

• Do not use the unit in places which are extremely hot, cold, dusty or humid.
• Place the unit on a flat and even surface.
• Do not restrict the air-flow of the unit by placing it in a place with poor ventilation, by covering it with a cloth or by placing it on a carpet.

ON CONDENSATION

• When left in a heated room where it is warm and damp, water droplets or condensation may form inside the unit.
• When there is condensation inside the unit, the unit may not function normally. Let it stand for 1 to 2 hours before turning the power on, or gradually heat the room up and dry the unit before use.

PRECAUTION FOR USE

• **UNPACK ALL PARTS AND REMOVE PROTECTIVE MATERIAL.**
• **DO NOT CONNECT THE UNIT TO THE MAINS BEFORE CHECKING THE MAINS VOLTAGE AND ALL OTHER CONNECTIONS HAVE BEEN MADE.**
• **DO NOT COVER ANY VENTS AND MAKE SURE THAT THERE IS A SPACE OF SEVERAL CENTIMETERS AROUND THE UNIT FOR VENTILATION.**

IMPORTANT NOTES

Avoid installing the unit in locations described below:

- Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
- Places subject to constant vibration.
- Dusty, humid or moist places.

COMPLIANCE WITH FCC REGULATIONS

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.

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

PROTECT YOUR FURNITURE!!

This system is equipped with non-skid rubber 'feet' to prevent the product from moving when you operate the controls. These 'feet' are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber 'feet' to soften, and leave marks or a rubber residue on the furniture.

To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber 'feet' before you place the product on fine wooden furniture.

DEAR JENSEN® CUSTOMER

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:
- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:
- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For a Lifetime
Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise.

Customer's Record:
The serial number of this product is found on its back cover. You should note the serial number of this unit in the space provided as a permanent record of your purchase to aid in identification in the event of theft of loss.

Model Number: JTA-990   **Serial Number: _____**

SPEAKER CONNECTION

1. Insert the speaker cable ends (exposed wires) into the terminals located on the back of the main unit by pushing down the lever of the left speaker terminal and then the right speaker terminal

2. Connect the left speaker to the left speaker terminals with the red wire to L+ and the black wire to L -.

3. Connect the right speaker to the right speaker terminals with the red wire to R+ and the black wire to R -.
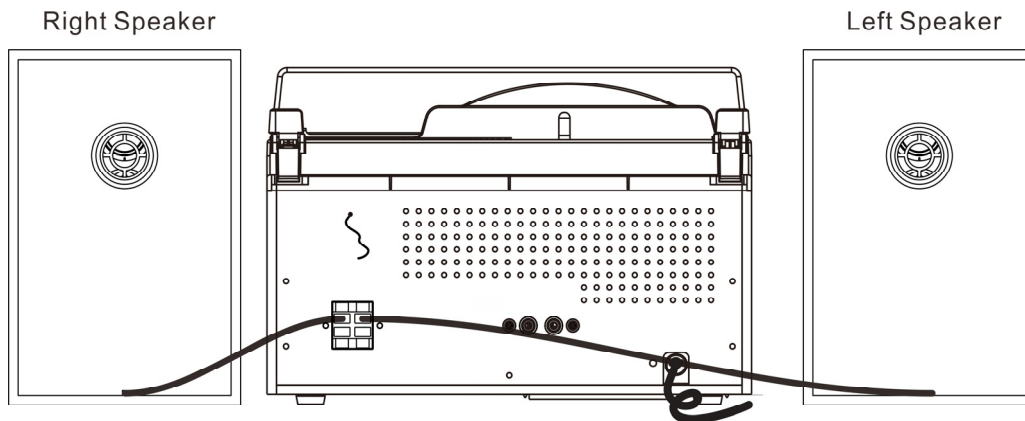

NOTE:

Make sure that the power is turned off when connecting or disconnecting the speakers.

Make sure that the speakers are connected to the correct terminals.

CONNECTING THE AC POWER CORD

After connecting the speakers unwind the AC power cord fully and connect it to any convenient household 120V~ 60Hz AC outlet.

NOTE:
The product is designed to operate on normal 120V~ 60Hz AC only. Connecting this system to any other power supply could result in damage to the unit which is not covered by your warranty. You will noted that this system is equipped with a polarized AC power plug having one blade wider than the other. This is a safety feature.
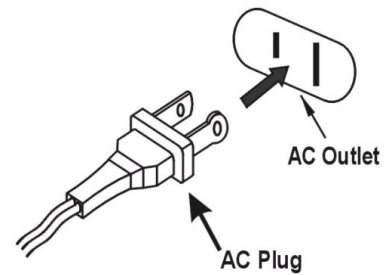

If this plug does not fit into your existing AC outlet, do not try to defeat this safety feature by filling the wide blade to make it fit into your outlet. If this plug will not fit into your outlet, you probably have an outdated non-polarized AC outlet. You should have your outlet changed by a qualified licensed electrician.

MAIN UNIT

1. Turntable Dust Cover
2. LCD Display
3. Remote Sensor
4. Standby LED Indicator
5. Power Button
6. Erase Button
7. Finalize Button
8. Record 1/All button for encoding from CD to USB
9. USB Port
10. Display Button
11. Random Button
12. Repeat Button
13. Program Button
14. Folder/Preset Up ▲/ Down▼ Button
15. Skip /Tuning Up ▶▶I/ Down I◀◀ Button
16. Stop ■ / FM Stereo/Mono button
17. 3.5mm Aux-in Jack
18. 3.5mm Headphone Jack
19. Manual Track Separation (TS) Button
20. Tape Mode button
21. Record ● Button
22. Play/Pause ▶II button
23. Rotary Volume Control Knob
24. Aux/Phono Mode Button
25. CD/USB Mode Button
26. Tuner (AM/FM) Mode Button
27. CD Door open/close ▲ Button
28. Enhance Bass effect On/Off button
29. Cassette Door Cover
30. Tape Forward / Eject Button
31. CD Tray
32. CD Tray eject hole
33. 45 Rpm Record Adaptor
34. 33/45/78 RPM Speed Selector
35. Auto-Stop Switch
36. Tone Arm Rest with Clip
37. Pitch Adjust Knob
38. RCA Line Out Jack
39. L/R Speaker Wire Terminals
40. FM Wire Antenna
41. AC Power cord
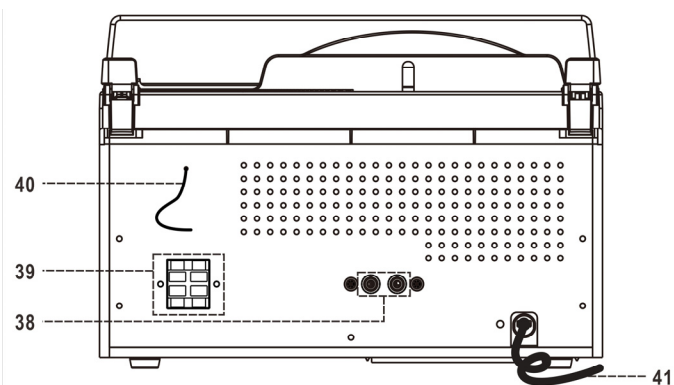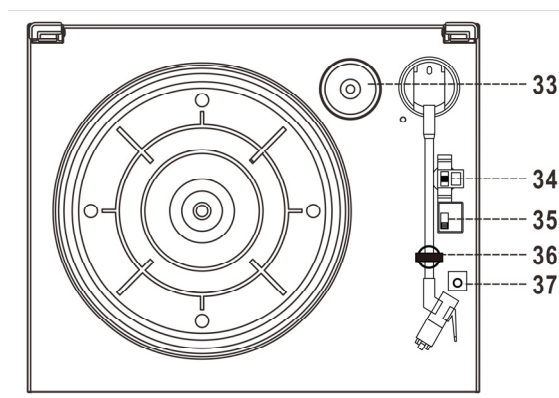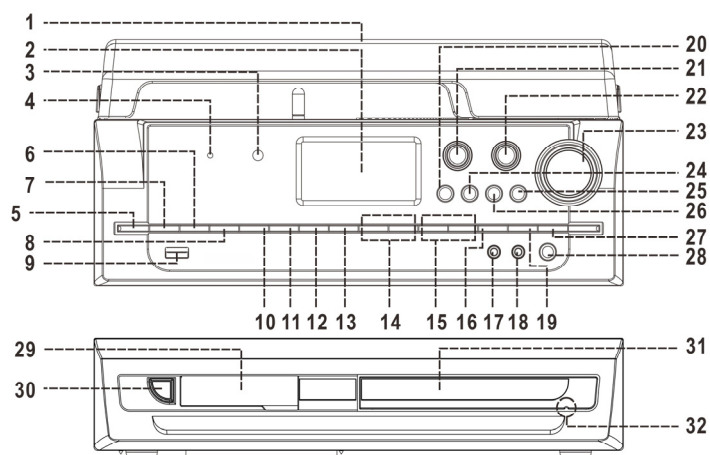
CAUTION:

Usage of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
This unit should not be adjusted or repaired by anyone except qualified service personnel.

REMOTE CONTROL
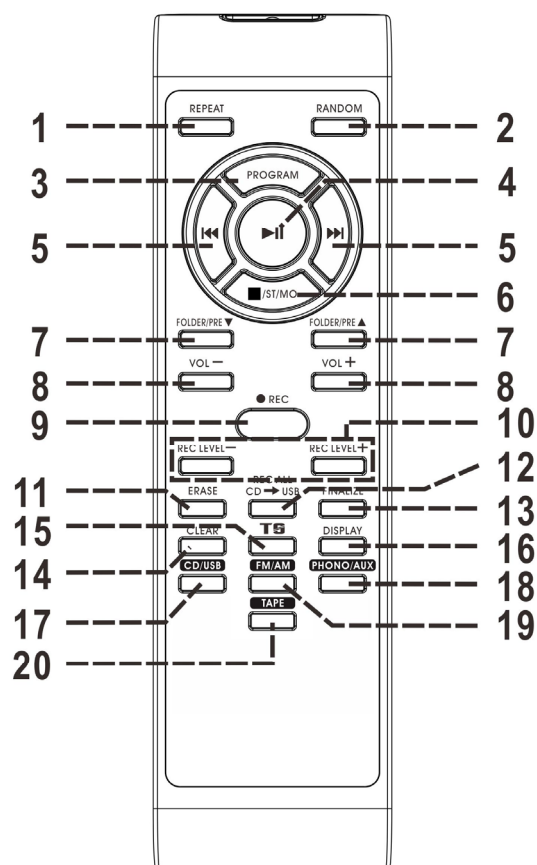
Button description

1. Repeat
In CD/USB mode: Press to activate CD Repeat 1/all

2. Random
In CD/USB mode: Press to activate shuffle play function

3. Program
In CD/USB mode: Press to activate programming function

4. Play/pause ▶II
In CD/USB mode: Press to Start/Pause CD/USB playback
In Recording/Encoding mode: Press to confirm function.

5. Skip/Tuning
Up ▶▶I/Down I◀◀
In CD/USB mode: Press to select next/previous Track
In Radio mode: Press to tune frequency up/down

6. Stop ■/FM Mono/St
In CD/USB mode: press to stop playback
In FM Radio mode: Press to Select FM Stereo/Mono Mode

7. Folder/Preset
Up▲ /Down▼
In Radio mode: Press to recall radio preset channel
upward/downward
In USB mode: Press to select Music Folder up/down

8. Volume +/-
Press to adjust the volume level Up (+) and Down (-)

9. Record ●
Press to active Record/Encode function

10. Rec Level+/-
Press to increase/decrease recording level in recording mode.

E8

11. Erase	Press to erase file in USB thumb drive or CD-RW
12. Record 1/All from CD to USB	Press to Record One/All tracks for encoding from CD to USB
13. Finalize	Press to Finalize the CD-R/RW disc after recording
14. Clear	Press to delete the latest track of programmed tracks
15. TS (Track Separation)	Press to activate the Manual Track Separation function
16. Display	Press to change CD/USB playback time information on LCD
17. CD/USB	Press to select the CD or USB mode.
18. Phono/Aux	Press to select Phono mode, plug in 3.5 mm AUX IN cable to change to Aux mode.
19. FM/AM	Press to select AM or FM radio
20. Tape	Press to select cassette player mode

BATTERY INSTALLATION

The battery compartment is located on the back of the remote control.

1. Remove the battery compartment door by pressing in on the tab and lifting it off.
2. Insert two (2) AAA size batteries (included) into the battery compartment following the polarity markings inside the battery compartment.
3. Replace the battery compartment door.
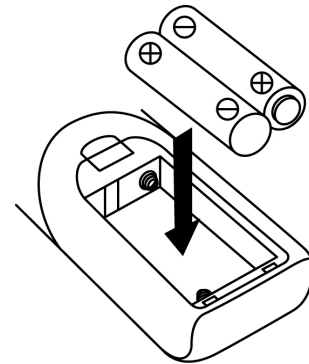
Battery Precautions

- Replacement of batteries must be done by an adult.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- The supply terminals are not to be short-circuited.
- Non-rechargeable batteries are not to be recharged.
- Exhausted batteries are to be removed.
- Only batteries of the equivalent type are to be used.
- Batteries are to be inserted with the correct polarity.
- Dispose of batteries properly. Do not dispose of batteries in fire. The batteries may explode or leak.

RADIO OPERATION

MANUAL TUNING

1. Press the POWER button on main unit to turn on the unit. The display will show "HELLO" and then "---bUSY" for few seconds. Wait until the display shows FM frequency. The unit is in FM mode.
2. Tap the "FM/AM" button to select AM Radio mode if necessary.
3. To manually tune to a specific radio station, tap the "I◀◀/TUNE" or "TUNE/▶▶I" button on either the main unit or the remote control repeatedly. Use the manual tuning method to tune in weaker stations that are bypassed during Automatic Tuning.
4. To automatically tune to the next available radio station, press and hold the "I◀◀/TUNE" or "TUNE/▶▶I" button for 1-2 seconds until frequency readout on the display begins to scan and then release the button. The tuner will stop scanning when it receives the next broadcasting station of adequate signal strength.
5. Rotate the VOLUME control knob on main unit or press the "VOL+/-" button on the remote control to adjust the volume to the desired volume level.

FM & FM-STEREO RECEPTION

● Tap the "FM/AM" button to select FM radio mode if unit is in AM mode. When listening to the FM radio, press the "■/ST./MONO" button to switch between stereo mode and mono mode. The FM stereo icon "(ST)" will appear on the display if unit is in stereo mode.

● We recommend leaving the unit in mono mode if you are receiving a weak FM station.

HINTS FOR BEST RECEPTION:

AM - The AM antenna is located inside the cabinet of the unit. If AM reception is weak, change the position of unit until the internal antenna picks up the strongest signal.
FM - For best FM reception, the FM lead wire antenna located on the back of the set should be fully unwrapped and extended.

NOTE: Automatic tuning depends on the signal strength of the broadcasting station, so weak stations may be skipped. You can manually tune to find the weak stations if a station gets skipped. With strong signals, the tuner may stop before it reaches the actual broadcast frequency, so you may need to manually tune for the best reception.

PRESET RADIO STATIONS

You can store up to 30 FM + 30 AM radio stations in the memory.
1. Press the POWER button to turn on the unit, wait until the display shows the FM frequency.
2. Tap the "FM/AM" button to select AM band if necessary.
3. Tune to a desired radio station by using either the "manual" or "automatic" tuning method.
4. Tap the "PROGRAM" button to enable the program mode and the "PROGRAM" indicator and "P - -01" appear on the LCD display.
5. Tap the "I◀◀/▶▶I" button on remote control or main unit repeatedly to select the desired station memory for storage.
6. Tap the "PROGRAM" button again to confirm the setting.
7. Repeat steps 3 through 6 to preset other stations if necessary.

NOTES:
1.) The unit will remain in program mode for about 40 seconds if no buttons are pressed. After the 40 seconds expires, the unit will return to normal tuner mode automatically.
2.) You can overwrite a present station by storing another frequency in its place.

RECALLING PRESET MEMORY CHANNELS

In AM or FM radio mode, recall the pre-set channels by repeatedly pressing the "FOLDER/PRESET UP/DOWN" button on the remote control or on the main unit.

PHONO OPERATION

Note, Before Use:
- Lift up the turntable dust cover.
- Lift up the stylus protector as shown to the right.
- Be sure that the tone arm is unlocked from the tone arm rest before operating, and replace again when finished.
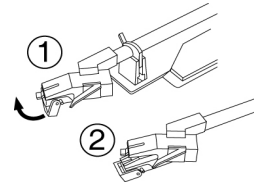
1. Press the POWER button to turn on the unit, press the PHONO/AUX button to select PHONO mode, LCD display will show "PHONO". Wait for few seconds until busy message disappear from display.
2. Place the record on the platter, over the center spindle (use the 45 RPM record adaptor when playing 45 RPM record).
3. Set the Speed selector to 33, 45 or 78 RPM according to the record you are playing.
4. Lift the tone arm from the rest and slowly move it over the record. The platter will turn.
5. Move the tone arm to the beginning of the record, or to the start of a particular track. Gently lower the tone arm onto the record to start playing.
6. Adjust the volume to the desired level.
7. When the record is played to the end of the record, the platter will automatically stop rotating. Lift the tone arm and return it to the rest position.
8. To stop the record manually when playing, lift up the tone arm and return it to the rest position.

Note:
Some types of records may have an auto-stop area outside the preset limit, so the turntable may stop before the last track finishes. In this case, set the auto-stop switch to the "OFF" position. This allows the record to play to the end, but it will not stop automatically. You must manually raise the tone arm and place it back in the rest to stop the turntable from spinning and turn it off.

PITCH ADJUST

The PITCH ADJUST allows you to fine tune the playing speed of the record once the correct speed (33/45/78 RPM) is chosen. Turn the Pitch Adjust Control to slightly increase or decrease the speed of the turntable if necessary.

CD OPERATION

NOTE: This player will not only play commercial CDs, but also self-complied CD-R/RW discs. Do not attempt to play CD-ROM, CDI, VCD, DVD or computer CDs.

PLEASE READ THIS IMPORTANT INFORMATION:

CD mechanisms used in devices like this are designed to fully read all commercial CDs. They will also read self-compiled CD-R/CD-RW discs but it may take up to 15 seconds for playback to start. If playback does not start, it is likely due to the quality of the CD-R/RW disc and/or the compatibility of the CD compilation software. Manufacturer is not responsible for the playback quality of CD-R/RW discs.

Do not attach a label or seal to either side of the CD-R/RW disc. It may cause a malfunction

● **GETTING STARTED**
1. Press the POWER button to turn on the power, press the CD/USB Function button to select " CD " mode. The LCD display will show "---bUSY" and then "NO Cd" if the CD compartment is empty.
2. Press the "Open/Close ⏏ " button on the main unit front panel to open the CD tray.
3. Place an audio CD with the printed side facing up inside the tray and then press the ⏏ button to close the CD tray. Wait for "---bUSY" message disappears form display and reading the CD.

4. After the CD is read, the LCD display shows the total number and time of the tracks. If a CD is not recognized by the player or if no disc is loaded, the display will show "NO Cd".

NOTES:

- Keep the CD disc tray closed when the system is not in use to prevent dirt and dust from entering the CD mechanism.

- Never place more than one CD in the CD tray. If two discs are loaded at the same time, the CD mechanism may jam and / or the discs themselves may be damaged.
- Never push on the CD door to close it. Always press the "OPEN/CLOSE⏏ " button on the unit front panel to open and close the CD tray.

● **Play / Pause mode** ▶ll
1. Press the CD Play/Pause ▶ll button to start playback, the first track will start playback, play indicator " ▶ " and elapsed time will show on the LCD display.
2. Press the DISPLAY button, elapsed time will change to count down time of CD.
3. To interrupt, press the Play/Pause ▶ll button once, the playing time will be freeze and pause indicator " ll " will show on the LCD display. Press again to resume normal playback.

● **Stop mode** ■
If Stop ■ button is pressed during play or pause mode. It will go to stop mode and display total number of track on the LCD display.

● **Skip mode (skip up** ▶▶l **/ skip down** l◀◀**)**
1. During CD Stop mode, if Skip up ▶▶l or downl◀◀ button is pressed. It will go to next or previous track and remain in Stop mode. Press Play/Pause ▶ll button to start music playback
2. During play or pause mode, if Skip up ▶▶l or downl◀◀ button is pressed. It will go to next or previous track and start playing the track.

NOTES:
- Always press the "STOP ■" button to stop CD playback and return the LCD to the original information before pressing the "OPEN/CLOSE ⏏ " button for disc changing.
- The reaction time of the CD burner is longer than normal CD player due to the complicacy system.
- Keep pressing with all difference function within a short time may cause mal-function of the system. Please re-start the unit if this is happened.
- The reading and playback time of CD-R/RW disc is various from brand to brand. It depends on the compatibility of the used disc.
- CD player/recorder only designed for normal compact disc format. It is not support any MP3/WMA format.

● **Repeat Play mode**
Press the Repeat button before or during playback, a single track or all the tracks can be played in difference mode as following:

(1) Repeat all tracks ⟶ (2) Repeat 1 track ⟶ (3) Off mode

● **Random Play mode**
Press the RANDOM button and " RAN " will display on LCD, and now the track will playback in random order by this function. Press again to cancel it.

Play mode	Indicator on LCD display
Repeat all	⟳
Repeat 1	⟳1
Random	RAN
Off mode	-------------

● **CD disc programming**

Up to 32 tacks can be programmed for CD playback. Before programming tracks, be sure the CD system is in stop mode:

1. Select CD mode and stop the disc playback.
2. Press the PROGRAM button on remote control or main unit, " PROGRAM " indicator will appear on LCD display. Moreover, it will show program number and digits of track number to be programmed (001P-01).
3. Select a desired track by tapping the TUNE/▶▶I or I◀◀/TUNE buttons.
4. Press the PROGRAM button to store the track into memory. Program counter advanced to "P02".
5. Repeat steps 3 and 4 to enter additional tracks into the memory if necessary.
6. When all the desired tracks have been programmed, press the Play/Pause ▶II button to play the disc in assigned order.
7. To cancel the programmed selections, press Stop ■ button twice until "PROGRAM" indicator is disappeared from LCD display.

● **DELETING PROGRAMMED CD TRACKS (Remote Control Only)**

After a programmed played, you can delete the programmed tracks in the order from the last one to the first one by pressing the "CLEAR" button on the remote control. This function allows you to re-program the memory half way through if necessary.

1. Tap the STOP ■ button once to stop programmed track playback, "PROGRAM" icon still showing in LCD display.
2. Press the CLEAR button on remote control once to start deleting the last programmed track.
3. Press the CLEAR button once by once, the programmed tracks will be deleted one by one from the memory.

NOTES:
- The reaction time of the CD Recorder is longer than that of a normal CD player due to the complexity of the system, so there may be a slight delay when using the CD player.
- Pressing the different function buttons within a short time of one another may cause malfunction of the system.
- If this happens, please disconnect the unit from the mains, let it rest for about 15 minutes and then re-start it. This should hopefully re-set the unit.
- The reading and playback time of a CD-R/RW disc may vary from brand to brand. There may be issues caused by the incompatibility of the used disc. Recommended using good brands of CD-R/RW disc for recording.
- This device is designed for recording to normal Audio CD Format. It does not record to MP3-CD format.

● **Display Information**
  During CD playback, press the "DISPLAY" button on main unit or remote control to toggle between elapsed time or time remaining for the track being played.

CD RECORDING

RECORDING FUNCTION ON CD

Apart from the CD playback function, this unit can perform the CD recording function either from PHONOGRAPH, TAPE, AUX or USB modes. All recorded tracks will be stored in "**AUDIO-CD"** format.

This unit can only copy a pre-recorded Audio CD to CD via "USB Buffering" method.

IMPORTANT NOTE:
Before starting the CD-to-CD Copying process via USB Buffering, you must insert the Included 2GB USB thumb drive into the USB port for copying an entire CD.

IMPORTANT NOTICES:

- A CD-R disc can only be recorded once and does not support erase or re-record function.
- The playback quality of CD-R/RW discs may vary depending on the type of audio CD player they are used in.
- The speed that the CD spins at in CD player/recorder is much higher than a normal CD mechanism. Some mechanical noise and cabinet vibration may occur during operation. This is normal and not a malfunction of the system.
- Quality and compatibility of CD-R/RW discs on the market varies. Please change to another brand if you are having problems burning a specific type or brand of disc.

A) RECORDING MODES

Whichever media you choose to record from, please complete the following procedures before recording onto a CD-R/RW:

1. Press the CD Door open/close ⏏ button on main unit to open the CD tray.
2. Place a blank CD-R or CD-RW Disc into the CD tray.
3. Press the ⏏ button to close the tray.
4. The system will perform a search and the LCD display will show '---bUSY'.
5. Wait until busy message disappear and LCD display shows 'NO TOC' (No Table of Contents) icon, you can record onto this disc now.
   NOTE: If 'NO TOC' icon of CD-R/RW does not display, you **cannot** record onto this disc.

I.) RECORDING FROM PHONOGRAPH/AUX-IN

1. Turn the unit on and press the PHONO/AUX button to select PHONO mode to record from Phono or AUX-IN.
2. **- For Phono:** Place the vinyl record you wish to record to CD-R/RW on the turntable ready for playback.
   - For Aux-in: Use a 3.5 mm plugs audio cable (not included) to connect an external audio device (such as an MP3 player, CD player, etc) via its LINE OUT or headphone jack to the 3.5mm AUX-IN jack on the main unit.
   Note: When in Phono mode, the unit will switch to AUX mode automatically if a 3.5 mm audio cable is plugged into AUX IN jack. Remember to unplug the AUX cable if you want to record from a record in Phono mode.

3. Press the ● REC button on remote control or main unit, the LCD display will show "---Cd" and (REC) icon.

4. Press the Play/Pause ►II button to start recording, the "CD" icon will be flashing and the elapsed time will start counting. The system is recording now.

5. Now start playback of the record in Phono mode if you are recording from vinyl record. If you are recording from AUX mode, start playback music on your external device which connected to AUX-IN jack of the unit.
    NOTE: You can only either record from Phone or AUX IN a time during recording.

6. Press the TS (Track Separation) button to manual separate a track during recording if necessary, a new track number will be generated.

7. When the recording is finished, press the STOP ■ button to stop recording. Stop playback of the vinyl record or the music in your external audio player which connected to AUX-IN jack.

8. To listen to the music you have recorded, press the CD/USB button to select CD mode and then press the Play/Pause ►II button.

9. If the CD is full or if you do not want to add more tracks in the disc, finalize the recorded CD-R/RW disc by follow the instructions in **FINALIZING A CD-R/RW DISC** section.

II.) RECORDING FROM CASSETTE

1. Press the TAPE button to select 'Tape' mode.

2. Place the Cassette Tape you wish to record into the Cassette Slot. Do not fully insert the tape.

3. Press the ● REC button on remote control or main unit, the LCD display will show "---Cd" and (REC) icon

4. Press the Play/Pause ►II button to start recording, the "CD" icon will be flashing and the elapsed time will start counting, the system is recording now.

5. Now fully insert the Cassette Tape into the Cassette Compartment, It will immediately begin play.

6. Press the TS button to manual separate a track during recording if necessary, a new track number will be generated.

7. When recording is complete, press the STOP button ■ to stop recording.

8. To eject your Cassette Tape, press the Tape Forward/Eject button ▲► next to the Cassette Door completely down. Tape will be ejected form cassette compartment.

III.) RECORDING FROM THE USB

1. Insert the USB thumb drive you want to record from into the USB port.

2. Press the CD/USB button twice to select USB mode.

3. Select between recording one track or all tracks or programmed track in a USB:

- **Record One Track in USB thumb drive**

i) Select the song you wish to record by using the TUNE/▶▶I or I◀◀/TUNE button and/or FOLDER/PRE ▲ / ▼ button of the remote and the Play/Pause ▶II button to start playback.

ii) Press the ● REC button to start recording, ⟪REC⟫ icon appears and CD icon is flashing.

- **Record All Tracks of USB thumb drive**

i) Press the Play/Pause ▶II button to start playback of the USB

ii) Press the REC 1/ALL button once on the remote control, display will show "AUTO TRACK".

　　Note: If you Record One track, make sure "AUTO TRACK" icon will not show in display, press the REC 1/ALL button to turn it off if "AUTO TRACK" showing in display.

iii) Press the ● REC button to start recording, ⟪REC⟫ icon appears and CD icon is flashing.

- **Record Programmed tracks in USB thumb drive**

i) Select the desired tracks by following the previous " CD disc programming " procedures and press Play/Pause button ▶II at the end of programming.

ii) Press the REC 1/ALL button once on the remote control, display will show "AUTO TRACK".

　　Note: If you Record One track, make sure "AUTO TRACK" icon will not show on the display, press the REC 1/ALL button to turn it off if "AUTO TRACK" showing in display.

iii) Press the ● REC button to start recording, ⟪REC⟫ icon appears and CD icon is flashing.

4. After completion of recording, press the "STOP ■" button to stop the playback of the USB thumb drive.

IV.) RECORDING FROM AN AUDIO CD VIA USB BUFFERING

　(A MINIMUM 2GB USB THUMB DRIVE IS REQUIRED)

Although this system has a single CD Player/Recorder it is able to copy and record a pre-recorded Audio CD via the USB port. The recorded disc will be in AUDIO-CD format.

Note: To copy an entire CD disc, a minimum of 2GB space of USB thumb drive is required for buffering during copying. Before starting this process, first insert the included 2GB USB thumb drive into the USB port.

a.) RECORDING THE 1ST TRACK OR AN ENTIRE AUDIO CD TO CD (VIA USB)
1. Press the CD/USB button to select the CD mode.
2. In CD STOP mode, press the CD Door open/close button ▲ to open the CD tray and place the audio CD (printed side facing upwards) in the tray.
3. After read, the LCD display will show the TOC (Table of Contents) of the pre-recorded CD/Audio CD.

4. Select between recording the 1st track or an entire CD:
   - Press the ● REC button, the LCD display will show " SEL 1" (the 1st track of the CD Disc).
   - Press the ● REC button again, the LCD display will show " SEL ALL " (the entire CD Disc).
5. Press the Play/Pause ►II button to confirm and start CD recording, the LCD display will show " CPY 99 " and start counting down from 99 to 0.
6. After recording has finished, the CD tray will open automatically. Remove the original CD and replace it with a blank recordable CD-R or CD-RW disc for CD copying.
7. Close the CD Door with the OPEN/CLOSE ⏏ button, the LCD will show " dup 99 " and start counting down from 99 to 0.
8. After copying of the disc has finished, the LCD display will go back to show the total tracks and TOC information on the disc and remain in stop mode.
9. If the disc is full or if you do not want to add more tracks in the disc, finalize the recorded disc by follow the instructions in **FINALIZING A CD-R/RW DISC** section.

b.) RECORDING A SELECTED TRACK FROM A CD DISC BY PROGRAM FUNCTION
1. Press the CD OPEN/CLOSE ⏏ button to open the CD Tray and place the audio CD you wish to record in the tray, printed side facing upwards.
2. Select the desired tracks by following the previous " CD Disc Programming " procedure and make sure the CD is in stop mode during the procedure.
   Note: Do not press the Play/Pause button ►II to play the programmed tracks if you want to record programmed tracks to a CD-R or CD-RW.
3. Press the ● REC button directly for the system to start the Recording mode.
4. Repeat procedures 5 – 7 as above IV.) a.) to complete the recording, then "Finalize" the recorded disc if necessary.

Notes:
- Recording a whole CD involves transferring the CD to the USB flash drive, and then to the CD-R/RW in real-time. So the process could take over an hour to complete.
- During copying mode, no sound will be coming from the Speakers.
- In general, free memory size needs a minimum of 2GB for copying an entire CD disc (this varies between different CD formats).
- Press the STOP ■ button to interrupt and abort the Copy function at any time after starting the procedure.

B) RECORDING SETTINGS
i.) RECORDING LEVEL (REMOTE CONTROL ONLY)
The preset recording level of the system is lower than original music source in order to avoid distortion during recording except AUX-IN recording mode. If you are recording to a CD-R/RW via Phono, Tape or AUX mode, you are recommended to try a short recording to determine that no distortion will occur after adjusted your external MP3 or CD player volume level.
Press the REC+/- button to increase/decrease recording level if necessary.
NOTE: REC LEVEL+/- buttons no function in recording CD to USB or USB to CD-R/RW mode.

ii.) PAUSE / RE-START THE RECORDING PROCESS

1. **To pause** the recording process at any time, press the Play/Pause ►❚❚ button on Remote Control. '---bUSY' will flash for a second on the LCD display, the system will then generate a new recording track number and the recording process will pause.

2. **To restart** recording, press the ►❚❚ button again. The play indicator will show on the LCD display.

   Notes: 1.) The Play/Pause ►❚❚ button has no function when recording CD to USB or USB to CD-R/RW mode.
   2.) When the CD-R or CD-RW is full, the LCD display will show 'full'. Press the Stop ■ button and change to another empty CD-R/RW disc to continue recording.

iii.) MANUAL SEPARATE TRACKS

You can divide the music being recorded track by track during recording from Phono (vinyl), Cassette Tape or Aux in play functions. It can be done by pressing Track Separation button during recording, the system will automatically generate a new track and continue recording. The word '---bUSY' will briefly show on LCD display.

NOTE: TS (Manual track separation) no function in recording CD to USB or USB to CD-R/RW mode.

<u>iV.) FINALIZING A CD-R/RW DISC</u>

You must convert the CD-R/RW disc into standard CD before playing at other audio CD player. This process is knows as finalizing and a table of contents (TOC) will be written to the CD at the same time:

1. Press the CD/USB button to select the CD mode. 'CD' will appear on the LCD display.
2. Press the CD Door open/close button ▲ to open the CD tray.
3. Place your Audio CD that you wish to finalize (print side up) inside the CD tray.
4. Press the ▲ button to close the CD tray.
5. The system will perform a search and the LCD display will show '---bUSY'. Wait until this message disappears from display.
6. In CD stop mode, press the FINALIZE button on Remote Control or main unit. 'Fin-dIC' will appear on the LCD display on the main unit.
7. Press the Play/Pause button ►❚❚ to start the finalizing process.
8. The LCD display will show '---bUSY' during this process.

   Note: You can stop CD Finalize mode at any time by pressing the STOP ■ button.

9. When Finalizing is completed, 'OPEN' will appear on the LCD display and the CD tray will open automatically. Your CD-R/RW is now converted into a standard Audio Format CD and can be played on any other Audio CD player.

IMPORTANT NOTICES:

- The time for finalizing is subject to the contents of the recording and it may take up to 15 minutes in some cases.
- All button functions are disabled during the finalizing process.
- NEVER turn off the Power or un-plug the Power cord during the finalizing process.

- The CD-R disc cannot be recorded again after finalizing.
- Finalized CD-R discs can be played in ordinary CD players, but finalized CD-RW disc may not play in ordinary CD players.
- Due to the variance of the compatibility of CD-R or CD-RW discs in the market, please change to other one if you find the recording performance of the existing one unacceptable. This is not a malfunction of the system.

C) UN-FINALIZE OR ERASING A CD-RW DISC
It is possible to erase the last recorded track or erase a whole recorded disc (CD-RW only).

i.) UN-FINALIZE A CD-RW DISC
1. Press the CD/USB button to select CD mode.
2. Press the CD Door open/close button ⏏ on main unit to open the CD tray, place the CD-RW disc you would like to un-finalize into the CD tray.
3. Press the ⏏ button to close the CD tray. The system will perform a search and the LCD display will show '---bUSY'. Wait for busy message disappear from display.
4. In CD stop mode, press the ERASE button on remote control or main unit, the LCD display will show 'UNF-dIC' message.
5. Press the Play/Pause button ▶❚❚ to start un-finalizing, '---bUSY' message will appear on the LCD display.
6. Once the un-finalizing process has finished, the LCD display will show total track numbers, total playing time and 'NO TOC' indicator.

Ii.) ERASE ONE TRACK
1. Press the CD/USB button to select the CD mode.
2. Press the CD Door open/close button ⏏ on main unit to open the CD tray.
3. Place the **un-finalized** CD-RW disc from which you would like to delete tracks, into the CD tray.
4. Press the ⏏ button to close the CD tray. The system will perform a search and the LCD display will show '---bUSY'. Wait for busy message disappear from display.
5. In CD stop mode, press the ERASE button on remote control or main unit. The LCD display will show 'ErS' (erase) message and the last track number of the disc.
6. Press the Play/Pause button ▶❚❚ on main unit or remote control to erase the last track from the disc. '---bUSY' message will appear on the LCD display. Once the erasing process has finished, the LCD display will show the disc's total number of tracks and the total playing time.
7. Repeat steps 5 to 6 to continue erasing more tracks if necessary.
8. The 'NO TOC' (No Table of Contents) indicator will appear on the LCD display when ALL tracks have been deleted.

iii.) ERASE ALL TRACKS
NOTE: This operation cannot be undone. The 'erase one track only' function cannot be

performed on a CD-RW disc recorded from another system, but the 'erase all' function can be performed on a CD-RW disc recorded from another system.
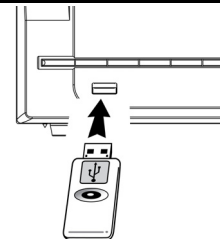
1. Press the CD/USB button to select the CD mode.
2. Press the CD Door Open/Close button ⏏ on the main unit to open the CD tray.
3. Place the **un-finalized** CD-RW disc you would like to delete tracks from into the CD tray.
4. Press the ⏏ button to close the CD tray. The system will perform a search and the LCD display will show '---bUSY'. Wait for busy message disappear from display.
5. Press the ERASE button *twice* whilst in CD stop mode, the LCD display will display 'Er ALL' (erase all)..
6. Press the Play/Pause button ▶❚❚ on remote control or main unit to erase all of the tracks from the disc. The LCD display will display "---bUSY" during the erasing process.
7. Once the erasing process has finished, the LCD display will display '0000000. This indicating the "erase all" process is completed.

USB OPERATION

PLAYBACK OF MP3 SONGS VIA THE USB THUMB DRIVE
This system is able to decode and playback all the MP3 files stored on the USB thumb drive when using USB port.
NOTE: Inserting the USB drive upside down or backwards could damage the audio system or the storage media (USB thumb drive). Check to be sure the direction is correct before connection.

1. Make sure the unit is off or in USB mode.
2. Plug-in the USB thumb drive with the face up and make sure it's fully inserted.
3. Press the POWER button switch to turn on the unit again, press the CD/USB button twice to select USB mode. The system will start reading MP3 songs stored on the thumb drive automatically after connecting, and LCD display will show the total number of MP3 files being detected.
4. Press the Play/Pause ▶❚❚ button to start playback.
5. Operating the same playback procedures of Play/Pause, Repeat, Random, Program tracks as playing CD disc which mentioned in "CD OPERATION" section above.

Notes:
- The system will only detect and read files in MP3 format. No other file formats are supported.
- If connecting the system to an MP3 player via the USB port, some MP3 player formats may not be playable due to variances in the MP3 encoding format. This is not a malfunction of the system.
- The USB port does not support connection with USB extension cable and is not designed for communication with computer or external hard drive directly.

ENCODING TO MP3 FILE
The system is able to create MP3 files from CD/Turntable/Aux in/Tape and store encoded music on the USB thumb drive.
● **ENCODE SINGLE TRACK OR ENTIRE AUDIO CD TO MP3 FORMAT**
 1. Insert the included 2GB USB thumb drive into the USB port on the main unit. Ensure it has sufficient space available for encoding.
  2. Select 'CD' mode, the LCD display will show '---bUSY' for a second, then change to show 'NO Cd'.

3. Press the CD Door open/close button ⏏ on main unit to open the CD tray.
4. Place your Audio CD (print side up) inside the CD tray.
5. Press the ⏏ button to close the CD tray. The system will perform a search and the LCD display will show '---bUSY'. Wait for busy message disappear from display.
6. Once the CD is loaded, total number of tracks and total time of CD will show in the LCD display.
   - **To encode one track**: select the desired track to record and press Play/Pause ▶II button start playback. Then press the Record ● button once.
   - **To encode all tracks**: press Play/Pause ▶II button to start playback the CD. Then press Record 1/All button once, display will show "---AU" and "AUTO TRACK". Press the Record ● button once.

7. The LCD display will show '---bUSY' and the system will now check the USB storage device. After a few seconds the (REC) icons will show on the LCD display with flashing ⟨↔ icon. Encoding is now starts.
8. When encoding only one track, the encoding will stop automatically once Record One Track completed and the unit will continue playback of the next tracks. You may press stop ■ button to stop the CD playing.
9. When encode all tracks, the encoding will stop automatically until Record All Tracks completed, you can also press the Stop ■ button to stop the encoding anytime.

● **ENCODE FROM RECORD OR AUX IN**
   1. Insert your USB thumb drive into the USB port on the main unit. Ensure there is sufficient space available on the USB thumb drive for encoding.
   2. Press the PHONO/AUX button to select Phono mode to encode from Phono or AUX mode.
      - **For Phono:** Place the vinyl record you wish to record to CD on the turntable and get it ready for playback.
      - **For Aux-in:** Use a 3.5 mm plugs audio cable (not included) to connect an external audio device (such as an MP3 player, CD player, etc) via its LINE OUT or headphone jack to the 3.5mm Aux-in jack on the main unit.
      Note: In Phono mode, unit will switch to AUX mode automatically if 3.5 mm audio cable plugged in AUX IN jack. Remember to unplug the cable if you want to encode from record in Phono mode.
   3. Press the Record ● button once, the LCD display will show "---Cd". Press the button again until the display shows "---USb".
   4. Press Play/Pause ▶II button to start the encoding process, the LCD will show (REC) and the USB ⟨↔ icon will flash, MP3 encoding has started now.
   5. After completion of the encoding, press the Stop ■ button to stop the encoding then stop the media playing.

- **ENCODE FROM CASSETTE TAPE**
    1. Press the TAPE button to select 'TAPE' mode.
    2. Place a recorded Cassette tape into the Cassette Slot on the front panel of the main unit. Do not fully insert the tape.
    3. Press the Record ● button once, the LCD display will show "---Cd", press the button again until the display shows "---USb".
    4. Press Play/Pause ▶❚❚ button to start the encoding process, the LCD will show (REC) and the USB ⟋⟍ icon will flash, encoding has started now.
    5. Fully insert a Cassette Tape into the Cassette Door which is situated on the left side of the main unit.
    6. The unit will start playing the Cassette Tape automatically.
    7. Once the encoding is completed, press the STOP ■ button again to stop the encoding.
    8. To stop playing your Cassette Tape, press the Fast Forward/Eject button ▲▶ next to the Cassette Door firmly and fully inwards. The Cassette Tape will stop playing and eject.

IMPORTANT NOTICES:
- The system will create a 'RECORD' folder on the USB thumb drive and then store the encoded tracks within this folder.
- The default MP3 encoding format is set to 128 kbps bit rate and - 128 kbps and 44.1kHz sampling rate. This setting cannot be changed
- No song titles will be recorded during the encoding mode.
- To interrupt a recording, simply press the STOP ■ button on the remote control or main unit at any time during 'Recording mode'.

MANUAL TRACK SEPARATION

You can divide the music being recorded track by track during encoding from Phono (vinyl), Cassette Tape and Aux In play functions.
    1. Press and hold the TS (Track Separation) button for 3-4 seconds during encoding
    2. The system will generate a new track and encoding will continue with flashing ⟋⟍ icon on the display.

DELETING FILES ON THE USB THUMB DRIVE

This system is able to erase the files stored on the USB thumb drive.

IMPORTANT:
    1.) Please make sure the music files stored on the USB thumb drive are backed up in another location if you plan to use delete function. Once files are deleted, they cannot be retrieved.
    2.) If there is any concern about what files are being deleted, we recommend you insert the USB thumb drive into your computer and manually delete them that way.

A. DELETING A SINGLE FILE

a.) Deleting tracks recorded by JTA-990

1. Turn ON the unit power and press the CD/USB button twice to select USB mode.
2. Tap the ERASE button on Remote Control or main unit. The LCD display will show "ErS xxx" where "xxx" is the last track number which you recorded by JTA-990.
3. Press the ►ΙΙ button on your Remote Control to confirm the deletion and the display will show "---bUSY".
4. The LCD display will show the total number of MP3 files remains in the USB thumb drive after the deletion has been completed.
5. Repeat step #2-3 above to delete last recorded track of remained files if necessary.

b.) Deleting tracks NOT recorded by JTA-990

1. Turn ON the unit power and press the CD/USB button twice to select USB mode.
2. In USB stop mode, tap the ►►Ι or ►►Ι button on Remote Control or main unit to select the file you want to delete.
3. Tap the ERASE button on Remote Control or main unit. The LCD display will show "ErS xxx" where "xxx" is the track number you selected.
   Note: If the track number to be deleted is different than your selection, it is a track that was recorded by the JTA-990. If there is any concern about what files are being deleted, we recommend you insert the USB thumb drive into your computer and manually delete them that way.
4. Press the ►ΙΙ button on your Remote Control to confirm the deletion and the display will show "---bUSY".
5. The LCD display will show the total number of MP3 files remains in the USB thumb drive after the deletion has been completed.

B. DELETING ALL THE FILES

1. In USB stop mode, press and hold the ERASE button on your Remote Control or main unit for 2-3 seconds. The LCD display will show "ErS ALL".
2. Press the ►ΙΙ button on your Remote Control or main unit to confirm the deletion and the display will show "---bUSY".
3. The LCD display will now show 'ALL 0' (i.e. no files) after the deletion has been completed.
   NOTE: All the files inside the USB thumb drive will be deleted completely after confirming to "ALL".

REMOVING THE USB THUMB DRIVE
To remove the USB thumb drive, turn off the unit or switch the function mode to either Tape or Phono mode first, then un-plug the USB thumb drive by pulling it out directly.

TAPE OPERATION

GENERAL OPERATION

1. Press the "TAPE" button to select "TAPE" mode.
2. The system will start playback automatically after inserting the cassette tape.
3. Adjust the volume to the desired level.
4. Press the TAPE FAST FORWARD / EJECT button half way when playing, the tape will be advanced forward rapidly.
5. Slightly press the TAPE FAST FORWARD / EJECT button again to resume normal playback. The button will resume to the outermost position.

| PLAY | FAST FORWARD | EJECT |
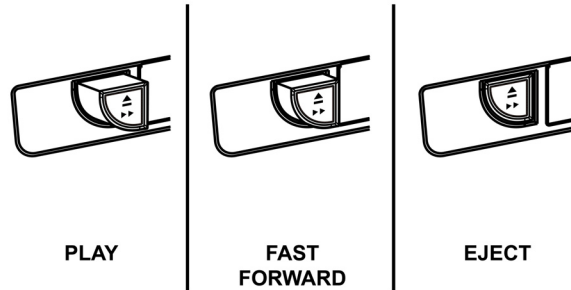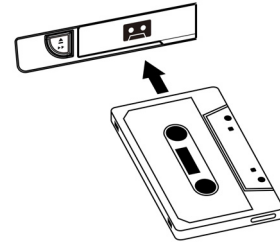
6. Press the TAPE FAST FORWARD / EJECT button completely, then the playing will be stopped and the cassette tape will be ejected.

Notes:
- Make sure the direction is correct when inserting the tape.
- Some searching noise can be heard and the system cannot perform normal playback function during fast forward mode.
- To avoid damaging the tape, it is recommended to take the cassette tape out of the deck after listening.

LINE OUT CONNECTION

You can connect this unit to an external Hi-Fi / AMPLIFIER system by connecting the LINE OUT socket to the auxiliary input socket of your Hi-Fi / AMPLIFIER system with RCA cables (not included).
Note: The Volume control on the main unit will not adjust the volume when using the LINE OUT.

3.5MM STEREO HEADPHONE JACK

The stereo headphone jack is located on the right front panel. Plug a set of stereo headphones (not included) into this jack for private listening without disturbing others. The speakers are automatically disconnected when headphones are connected to the jack.

Read this Important Information before Using Your Headphones

1.) Avoid extended play at very high volume as it may impair your hearing.
2.) If you experience ringing in your ears, reduce the volume or shut off the unit.
3.) Keep the volume at a reasonable level even if your headset is an open-air type designed to allow you to hear outside sounds. Please note that excessively high volume may still block outside sounds.

AUXILIARY INPUT

This unit provides an auxiliary audio signal input jack for connecting external audio devices like MP3 players, CD players and older, non-dockable iPods (except iPod shuffle 3rd gen) so you can listen to your external source through the speakers of this system.

1. Use an audio cable (not included) with one 3.5 mm stereo plug on each end of the cable.

2. Plug one end into the AUX-IN jack on the front panel of main unit and the other end of the cable into the Line-out Jack or Headphone Jack of your external audio device.

3. Turn on the external audio device.

4. To select auxiliary audio input, tap the "PHONO/AUX" button to select Phono mode. Unit is automatically switched to AUX mode when AUX IN jack is plugged.

5. The volume level can now be controlled through the main unit. Operate all other functions on the auxiliary device as usual.

Notes:

(1) If the Line Out Jack of your external device is connected, then you only need to adjust the volume control of this system. If the Headphone Jack of your external device is connected, then you may need to adjust both the volume control of your external device and the volume control of this system to find the most desirable volume setting.

(2) Press the POWER button to switch to standby mode when you finish listening. Don't forget to switch off the power on your external device as well.

RESETTING

If the system does not respond or has erratic operation, you may have experienced an electrostatic discharge (ESD) or a power surge that triggered the internal computer to shut down automatically. If this occurs, disconnect main unit power by unplug the AC POWER cord and wait for three minutes, then plug the AC power cord into AC outlet again.

CARE AND MAINTENANCE

1. Do not subject the unit to excessive force, shock, dust or extreme temperature.
2. Do not tamper the internal components of the unit.
3. Clean your unit with a dry cloth. Solvent or detergent should never be used.
4. Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.
5. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
6. Always clean the outside of the cabinet thoroughly if it becomes wet with moisture or water splashes. This will help to protect the internal parts of the unit from entry of water and possible moisture damage.

CASSETTE CARE

Two common causes of trouble experienced when using cassettes are:

1) Tape Jamming – Leading to uneven speed in playback, and
2) Tape Tangling – Where the tape wraps itself around vital parts of the mechanism.

To reduce the likelihood of these problems occurring, the following precautions should be observed:

- Check that there are no loose layers of tape visible through the cassette center window (see Fig. 1). Take up any loose layers, using a pencil or hexagonal barrelled ballpoint pen, before inserting the cassette into the machine (see Fig.2).

Fig.**1**

- If the cassette feels tight while performing operation shown (see Fig.2), the tape may be jamming due to ridges formed in the winding of the tape (visible through the center window). These may be removed, in most cases, by fast winding of the cassette from one end to the other and back again.

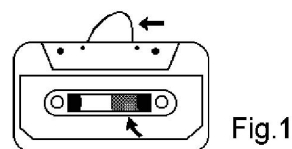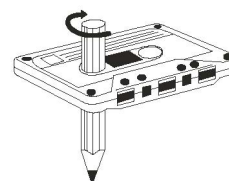- Use only well-known brands of tape. Avoid use of C-120 cassettes.

Furthermore, do not expose cassettes to direct sunlight, dust or oil, and do not touch the tape surfaces.


Fig. 2

RECORD CARE AND MAINTENANCE
To ensure the best sound and the least amount of wear on your records, it's essential that they are kept clean. Make sure your records, especially older ones, are sufficiently cleaned prior to playing them.

Thoroughly clean dust off the stylus and record regularly.

- Use a soft brush to clean the stylus. Brush from the base to the tip as shown below.

CLEAN STYLUS WITH A SOFT BRUSH
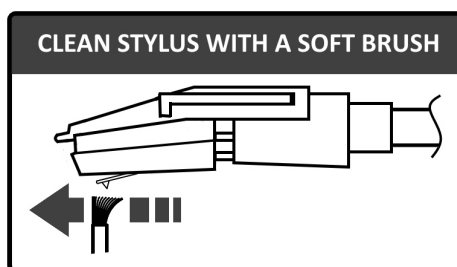
- For records with only light amounts of dust, we recommend brushing them off with a carbon fiber brush or velvet pad before playing them. Use a good quality record cleaner and brush set to keep your records clean. Carbon fiber brushes, velvet pads and record cleaning kits are available online or in local record stores.
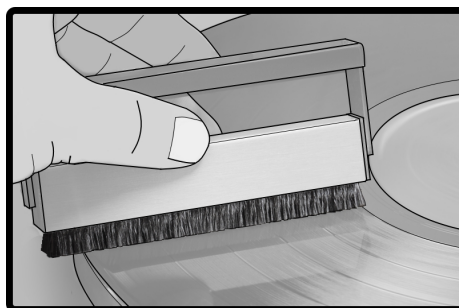
- Using a mild dish soap and warm water for washing your records will also help remove excess dirt and dust that builds up over the years. Use a microfiber cloth when washing and wiping off any excess water from the records once they have been cleaned

NOTE:
Remember, the best cleaning in the world just removes all the dust and dirt. Some records will have scratches and groove wear. No amount of cleaning will fix this. So after cleaning, some records may sound "perfect" and others may not

COMPACT DISC CARE

- Handle the disc only by its edges. Never allow your fingers to come in contact with the shiny, unprinted side of the disc.
- Do not attach adhesive tape, stickers etc., to the disc label.
- Clean the disc periodically with soft, lint-free, dry cloth. Never use detergents or adhesive cleaners to clean the disc. If necessary, use a CD cleaning kit.
- If disc skips or gets stuck on a section of the disc, it is probably dirty or damaged (scratched).
- When cleaning the disc, wipe in straight lines from the center of the disc to the edge of the disc. Never wipe in circular motions.
- To remove a disc from its storage case, press down on the center of the case and lift the disc outs, holding it carefully by the edges.
- Fingerprints and dust should be carefully wiped off the disc's recorded surface with a soft cloth. Unlike conventional records. compact discs have no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles.
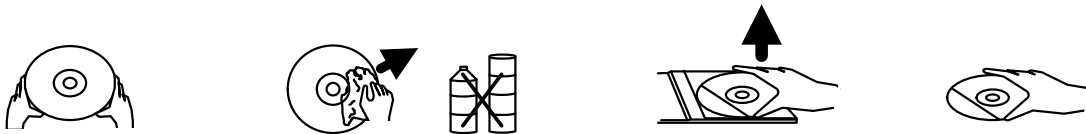
MANUALLY EJECT THE CD

If the power is interrupted or if you notice a problem occurs during the CD burning process, the CD tray may not eject when the eject button ⏏ is pressed. If this occurs, you will need to manually eject the CD tray to retrieve the CD following the steps below.

1. Press the POWER button to switch to standby mode. Do not manually open the tray when there is power to the drive.
2. Locate the manual eject hole on the front of the CD tray as shown below.
3. Carefully insert a stiff wire, such as a straightened paper clip, into the manual eject hole.
4. When resistance is felt, gently press harder until the drive tray opens slightly.
5. Pull the tray out the rest of the way to expose the CD.
6. Restart the system and repeat the burning process again.
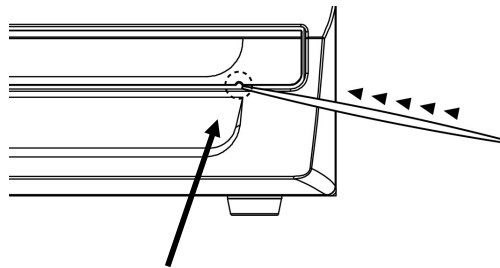
CLEANING THE UNIT

- To prevent fire or shock hazard, disconnect your unit from the AC power source when cleaning.
- The finish on the unit may be cleaned with a dust cloth and cared for as other furniture, Use caution when cleaning and wiping the plastic parts.
- If the cabinet becomes dusty wipe it with a soft dry dust cloth. Do not use any wax or polish sprays on the cabinet.
- If the front panel becomes dirty or smudged with fingerprints it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes as these will damage the finish of your unit.

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CAUTION: Never allow any water or other liquids to get inside the unit while cleaning.

TROUBLESHOOTING GUIDE

SHOULD YOU EXPERIENCE DIFFICULTIES IN THE USE OF THIS PLAYER PLEASE REFER TO THE FOLLOWING CHART OR CALL 1-800-777-5331 FOR CUSTOMER SERVICE.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The unit does not respond (no power)	The unit is disconnected from the AC outlet.	Reconnect to the AC outlet.
	AC outlet is not functioning.	Plug another device into the same outlet to confirm the outlet is working.
AM band is too noisy	The reception at the set location is poor.	Slightly rotate the unit for the best reception.
FM STEREO indicator does not light up	You have tuned to a mono station or the station is too weak.	Select another FM station or extend or rotate the wire antenna for best reception.
	FM MONO MODE is set.	Set the FM MODE to STEREO.
Sound is distorted	Volume level is set to high.	Decrease the volume.
	Sound source is distorted.	Try a different audio source such as a music CD.
The tape does not move.	The cassette tape is not inserted properly. The tape has reached the end.	Insert the cassette tape correctly. Flip the cassette.
No sound from tape.	The tape heads are dirty.	Clean the tape heads.
Tape sound is distorted or faint.	The tape heads are dirty.	Clean the tape heads.
CD Player does not play.	CD Mode is not selected.	Tap the CD/USB button to select CD mode.
	CD is not installed or installed incorrectly.	Press the CD onto spindle, printed side facing up.
CD skips while playing	Disc is dirty or scratched.	Wipe with cloth or another disc.
Unit gets warm after extended play at high volume	This is normal.	Turn the unit off for a period of time or lower volume.
CD does not work after pushing in the CD tray	The "OPEN/CLOSE" button was not pressed to close the CD.	The "OPEN/CLOSE" button must be pressed to close the CD tray. Do not push on the CD tray to close it.

SPECIFICATION

Power Requirement

Main unit: AC120V~ 60Hz

Remote control   2 x 1.5V "AAA" (UM-4) size batteries (included)

Frequency Range

Radio Band   FM 87.5 ~ 108 MHz

                                                    AM 520 ~ 1710 KHz

USB PORT   Support FAT 32 format, Up to 32 GB USB thumb drives.

Power Consumption

Main Unit: 42Watts

SPECTRA®
green

At Spectra, environmental and social responsibility is a core value of our business. We are dedicated to continuous implementation of responsible initiatives with an aim to conserve and maintain the environment through responsible recycling.

Please visit us at http://www.spectraintl.com/green.htm for more information on Spectra's green initiatives or to find a recycler in your area.

90 DAY LIMITED WARRANTY AND SERVICE
VALID IN THE U.S.A. ONLY

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants this unit to be free from defective materials or factory workmanship for a period of 90 days from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicate copy of a sales receipt.

You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:
1. The warranty applies to the SPECTRA product only while:
   a. It remains in the possession of the original purchaser and proof of purchase is demonstrated.
   b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the user manual or non-SPECTRA approved modifications.
   c. Claims are made within the warranty period.
2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA user manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the user manual.
3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in a nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it freight prepaid to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so please include your name, address, phone number and email address to expedite the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for **$150.00** to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by email at custserv@spectraintl.com for updated information on the unit requiring service. In some cases the model you have may be discontinued, and SPECTRA reserves the right to offer alternative options for repair or replacement.
SPECTRA MERCHANDISING INTERNATIONAL, INC.
4230 North Normandy Avenue,
Chicago, IL 60634, USA.
1-800-777-5331

To register your product, visit the link on the website below to enter your information.
http://www.spectraintl.com/wform.htm