

*Anders Nicholson®*



Model 2655

Turntable, Cassette, CD Player/Recorder, AUX Function  
with USB - PC Recording

## IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic precautions should always be followed including:

1. Read Instructions - All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Instructions - All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and user instructions should be followed.
5. Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments - Do not use attachments not recommended by the product manufacturer as they may be hazardous.
7. Water and Moisture - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
8. Accessories - Do not place this product on an uneven surface. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a stand, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. Transporting - This product should be moved with care to avoid damage or injury.
10. Ventilation - Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. 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 operation instructions.
12. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be trapped in any way.
13. Main plug - The main plug is used as the disconnect device. The disconnect device should remain readily accessible.
14. Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
15. Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.



16. Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17. 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. The apparatus should not be exposed to dripping or splashing, and no object filled with liquids such as vases, should be placed on the apparatus.
18. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a. If the power-supply cord or plug is damaged.
  - b. If liquid has 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 the product exhibits a distinct change in performance-this indicates a need for service.
20. 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.
21. 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.
22. Wall or Ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
23. Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers)that produce heat.

Caution: Excessive sound pressure from earphones and headphones can cause hearing loss.

Note: No open flames sources such as lighted candles should be placed on the apparatus.  
Attentions should be drawn to the environmental aspect of battery disposal.  
The use of apparatus in tropical and/or moderate climate.

## PRECAUTIONS

### Safety Information

#### Caution:

1. Use of controls and adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
2. If this product develops trouble, contact qualified service centers, and do not use the product in defective states.

#### Safety Precautions

#### WARNING:

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

#### CAUTION

##### RISKS OF ELECTRIC SHOCK- DO NOT OPEN!

To reduce the risk of electric shock, do not remove cover or back.

No user serviceable parts inside. Refer servicing to qualified service personnel.



The light flash with arrowhead symbol, within an equilateral triangle, is intended to alert user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



#### Caution:

For compact disc units only: invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to laser beam.

PRODUCT COMPLIES WITH DHHS RULE 21 CFR SUBCHAPTER J IN EFFECT AT DATE OF MANUFACTURE.

(See markings on the back of the unit)

#### Caution:

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

## **BEFORE USE**

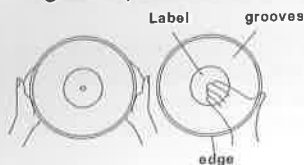
1. This is not a toy. Keep the product out of the reach of children and animals.
2. This product is not intended to use by children and persons with restricted capabilities unless they are able to use it safely under supervision.
3. Before use, please remove any additional tie downs, foam, etc. That were added to make the item secure while shipment.
4. Choose unit installation location carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, cold or moisture. Keep away from sources that hum, such as transformers or motors.
5. Do not open the cabinet as this might result in damage to the circuitry or electrical shock, if a foreign object should get into the set, contact your dealer.
6. Be sure not to handle discs with dirty fingers. Never insert a disc that has a crack on the surface.
7. When removing the power plug from the wall outlet, always pull directly on the plug, never pull the cord.
8. To keep the laser pickup clean, do not touch it, and do not forget to close the disc tray.
9. Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
10. In order to shut off the power to this product completely, unplug the power cord from the wall outlet. Be sure to unplug the unit if you do not intend to use it for an extended period of time, such as while on vacation.
11. Keep this manual in a safe place for future reference.

### **Beware of Condensation**

When the player (or a compact disc) is moved from a cold to a warm place or is used after a sudden temperature change, there is a danger of condensation. Water vapor in the air could condense on the mechanism or the laser pickup. If droplets of water form on these parts, correct playback will be impossible because the laser cannot read the information from the disc correctly. To prevent this, if you are going to use the player in a condition where condensation could occur, you should leave the player for 1 or 2 hours after plugging it into an AC outlet depending on the amount of condensation. If this is done, the player will stabilize at the temperature of its surroundings.

## HANDLING RECORDS

- Do not touch the record's grooves. Only handle records by the edges or the label with clean hands. Otherwise, a dirty hand can leave a residue on the record surface that will gradually deteriorate the quality of your record.



- Using a soft anti-static cloth to gently wipe the record surface if the record has become dirty.
- Keep records in their "jacket" when not in use.
- Store records upright on their edges. The level store would make it become curved.
- Avoid placing it in direct sunlight or close to a source of heat such as radiators, stoves. Also avoid location subject to vibration and excessive dust, heat, cold or moisture.

## DISCS

- Always place the disc on the disc tray with the label facing upward. (Compact discs can be played or recorded only on one side.)
- To move a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.



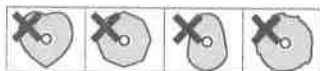
How to remove the disc



How to hold the disc



- The disc become dirty, wipe the surface from the center hole outward towards the outer edge with a soft, dry cloth.
- Never use such chemicals as record spray, antistatic sprays or fluid, benzene or thinner to clean the discs. Such chemicals will do irreparable damage to the disc's plastic surface.
- Discs should be returned to their cases after use to avoid dust and scratches that could cause the laser pick up skip.
- Do not expose discs to direct sunlight or high humidity and temperature for extend periods. Long exposure to high temperatures will warp the disc.
- Use a soft oil-based felt-tipped pen to write the information on the label side. Never use a ball-point or hard-tipped pen, as this may cause damage to the recorded side.
- Do not use CDs with an irregular shape (octagonal, heart shaped, business card size, etc). CDs of this sort can damage the unit.



## REMOTE CONTROL UNIT

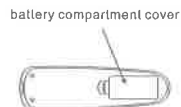
Remote Control Unit can operate the unit from a distance.

When operating the remote control unit, point it towards the front panel of the unit.

- Even if the remote control unit is operated within the effective range, remote control operation may be impossible if there are any obstacles between the unit and the remote control.
- If the remote control unit is operated near other appliances which generate infrared rays, or if other remote control devices using infrared rays are used near the unit, it may operate incorrectly. Conversely, the other appliances may operate incorrectly.

### Battery Installation

1. Remove the battery compartment cover.
2. Insert two AAA dry batteries (not included). Make sure that the batteries are inserted with their positive + and - poles positioned correctly.
3. Close the cover.



### Battery Replacement

If the distance required between the remote control unit and main unit decreases, the batteries are exhausted. In this case, please replace the battery with new ones.

#### Precautions concerning batteries

- Be sure to insert the batteries with correct positive + and negative - polarities.
- Use batteries of the same type, never use different types of batteries together.
- Rechargeable and non-re-chargeable batteries can be used. Refer to the precautions on their labels.
- When the remote control unit is not to be used for a long time (more than a month), remove the batteries from the remote control unit to prevent them from leaking. If they leak, wipe away the liquid inside the battery compartment and replace the batteries with new ones.
- Do not heat or disassemble batteries. Never dispose of old batteries by throwing them in a fire.

## Remote Control

A. OPEN/CLOSE: In CD, PHONO or AUX mode, use this button to open and close the disc tray. This button does not work in FM/AM mode.

B. CD: Press the CD button to play a CD.

C. REPEAT: In CD mode, use this button to select a repeat mode of CD.

D. PROGRAM: In CD mode, use this button to program tracks.

E. SHUFFLE: In CD mode, use this button for shuffle playback.

F. DISPLAY: In CD mode, use this button to change the display.

G. TRACK INCREMENT: During recording, use this button to divide tracks.

H. MANUAL/AUTO INCREMENT: Use this button to select the mode of track number assignment.

I. Record: Use this button to record CD.

J. REC VOL+/REC VOL -: Use this button to adjust the record volume.

K. FINALIZE: Use this button to finalize a CD-R/CD-RW disc.

L. ERASE: Use this button to erase a CD-RW disc.

M. Clear: In CD mode, use this button to clear programmed tracks.

N. PHONO: Press the PHONO button and select PHONO to play a record.

O. AUX: Press the AUX button and select AUX to listen to the external source connected to the AUX IN jacks.

P. TAPE: Press the TAPE button to play cassette.

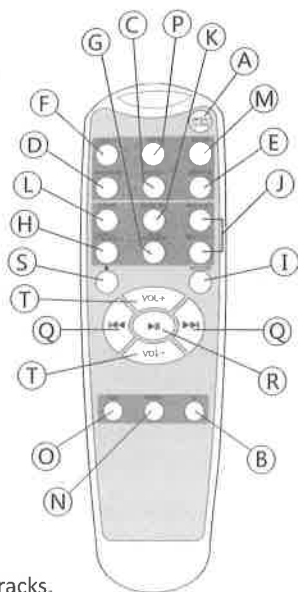
Q. MUSIC SKIP (⏮/⏭)

In CD mode, use these buttons to skip tracks. Hold down these buttons to search for a part of a track.

R. PLAY/PAUSE: Use this button to play/pause recording, finalizing and erasing.

S. STOP: Use this button to stop playback or recording.

T. VOL+/VOL-: Use this button to adjust the volume level when listen through earphone.



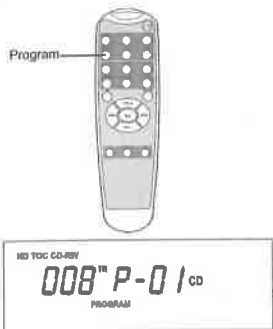


## PROGRAMMED PLAYBACK

Up to 32 tracks can be programmed in the desired order.

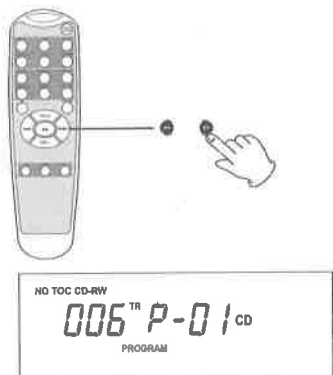
- Insert a disc and select CD before beginning programming.
- Shuffle playback does not work during programmed playback.
- Programmed playback works with finalized disc only.

1. Press the PROGRAM button in the stop mode.

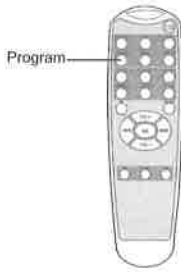


PROGRAM indicator blinks, and P-01 appears on the display.

2. Press the MUSIC SKIP button (◀◀ or ▶▶) to select a track.



3. Press the PROGRAM button.

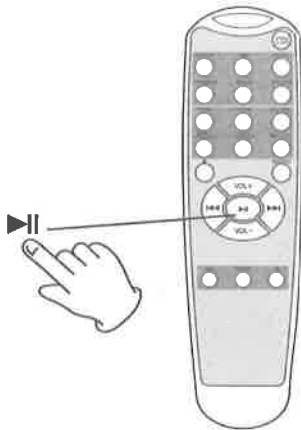


The track is programmed, and P-02 is display.

Repeat step 2 and 3 to program more tracks.

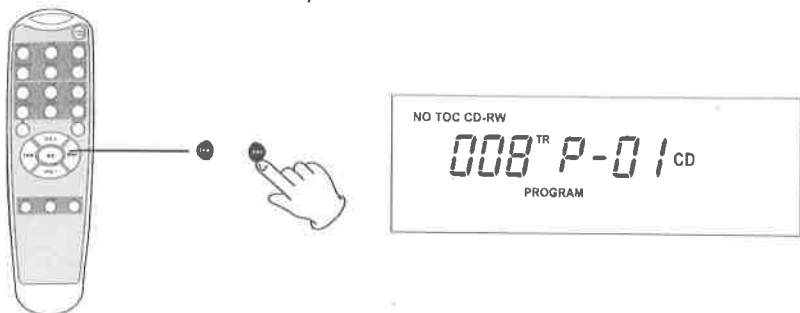
- You can program up to 32 tracks.
- To cancel the program mode, press the STOP button ( ■ ).

4. When the selection of track numbers has been finished, press the PLAY button ( ▶ || ) to Start program playback.



### To check the programmed order

In the stop mode, press the MUSIC SKIP button repeatedly to show the track numbers that have been stored in memory.

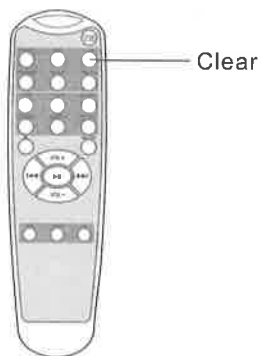


### To add a track to the end of the program

In the stop mode, press the PROGRAM button.  
Select a track number by pressing the MUSIC SKIP button, and then press the PROGRAM button.  
The track is added to the end of the program.

### To delete the last track from the program.

In the stop mode, press the CLEAR button to delete the last track from the program.



To clear the program

If one of the following buttons is pressed, the programmed contents will be cleared:  
OPEN/CLOSE, FM/AM, PHONO, AUX, STOP in the stop mode

Each time the DISPLAY button is pressed, the display changes as follows:



1st press-3:25  
(total time of the track-it will track time down)



2nd press-00:01  
(It will track time up)

CD-R=Finalized



3rd press-28:35  
(total time from all tracks-it will track time down)

Unfinalized CD-R/CD-RW, stop mode



Press display button on remote, it will show the balance of time on the disc (ie. 80 min on blank CD)



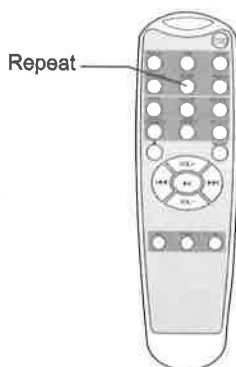
Display will show the balance of time on a partially recorded disc.

During recording onto blank disc



Press display button on remote, it will show time left tracking time down. (The same applies to recording onto partially used disc.)

## REPEAT PLAYBACK



Each time the REPEAT button is pressed, the repeat mode is changed as follows:



### **REPEAT ALL (Repeat ALL the Tracks)**

Press the REPEAT button once during playback.  
All the tracks of the disc will be played repeatedly.

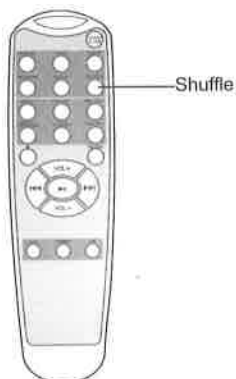
### **REPEAT 1(Repeat one track)**

Press the REPEAT button twice during playback.  
The track being played will be played repeatedly. If you press the MUSIC SKIP button and select another track, the track you select will be played repeatedly.

It is also possible to select a track to be repeated in the stop mode. Press the REPEAT button twice and then select the track number by pressing the MUSIC SKIP button. Press the PLAY button to start playback.

- If one of the following buttons is pressed, repeat mode will be cancelled:  
OPEN/CLOSE,FM/AM, PHONO, AUX.

## SHUFFLE PLAYBACK

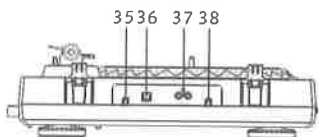
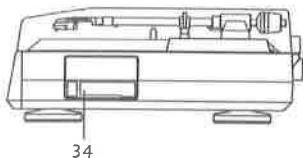
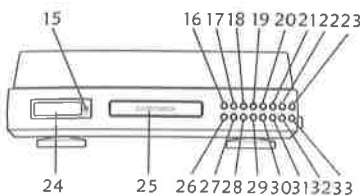
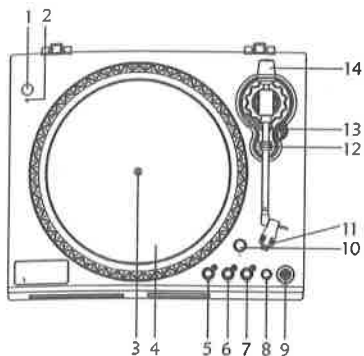


Press the SHUFFLE button during playback, or in the stop mode, press the SHUFFLE button and the PLAY button, the tracks can be played randomly.

When the SHUFFLE playback of all the tracks has been finished, the unit stops and the shuffle playback mode is cancelled.

- If you press the ( ►► ) button during shuffle playback, next track will be randomly selected and played. If you press the ( ◀◀ ) button, the previous played track will be played from the beginning. A track cannot be replay during shuffle playback.
- Shuffle playback doesn't work during programmed playback.
- If one of the following buttons is pressed, shuffle mode will be cancelled: SHUFFLE in the stop mode, OPEN/CLOSE, FM/AM, PHONO, AUX.

# PARTS INSTRUCTION



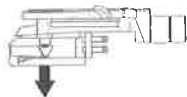
1. POWER BUTTON
2. POWER INDICATOR
3. SPINDLE
4. TURNTABLE
5. 33RPM BUTTON
6. 45RPM BUTTON
7. 78RPM BUTTON
8. PLAY/PAUSE BUTTON
9. EARPHONE JACK
10. EJECT BUTTON
11. STYLUS
12. TONE ARM REST
13. LIFT HANDLE
14. BALANCE WEIGHT
15. REMOTE SENSOR
16. OPEN/CLOSE BUTTON
17. SKIP- BUTTON
18. SKIP+ BUTTON
19. PLAY/PAUSE BUTTON
20. STOP BUTTON
21. REC BUTTON
22. REC LEVEL-
23. REC LEVEL+
24. DISPLAY
25. CD RECORDER DISC
26. CD BUTTON
27. PHONO BUTTON
28. AUX BUTTON
29. TAPE BUTTON
30. FINALIZE BUTTON
31. ERASE BUTTON
32. AUTO/MANUAL BUTTON
33. TRACK INCREMENT BUTTON
34. CASSETTE
35. LINE OUT
36. USB JACK
37. AUX IN JACK
38. AC CORD

## BASIC OPERATION

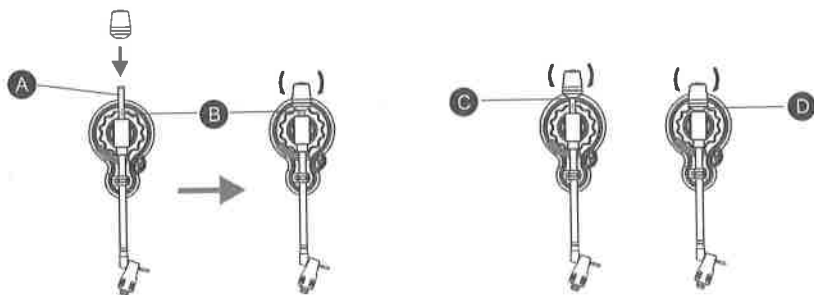
1. Connect the AC power cord to the wall outlet.



2. Remove white protective needle cover by gently pulling downwards front of unit. Please hitch the protective needle cover when you don't use.



3. Take the balance weight from the packing. Screw the balance weight which comes along with the product on the tone arm onto the scale mark, please refer to picture A&B as below.



The balance weight is to adjust the pressure of the needle. If the pressure is too much, the sound will become distorted; if the pressure is too little, track skipping will easily happen. Please adjust the balance weight by turning the balance weight clockwise or counterclockwise per instructions below.

- Put the balance weight into scale mark ① of the tone arm, then rotate it to the designate position of the scale mark ②.
- Rotate the balance weight anticlockwise so that it moves outward towards position ③ if track skipping occurs.
- Rotate the balance weight clockwise so that it moves inward towards position ④ if the sound is distorted or the bass poor.
- Fine tune the balance weight position between ③ and ④ to achieve optimum sound performance.

### Note:

- Do not try to adjust the balance weight while playing a record, it will break the needle and scratch the record this way.
- Retain the packing for transportation. Always refit the packing foam into the balance weight before transportation to prevent damage or breakage to the unit.

4. Press the POWER button to turn the unit on.



## HOW TO REPLACE THE TURNTABLE STYLUS (NEEDLE)

### Caution:

- Do not remove or bend the stylus.
- Do not touch the needle as it could injure your hand.
- Turn off the unit's power before you replace the stylus.
- Avoid direct sunlight or close to a source of heat.

### Removing old stylus

1. Hold the tip of the stylus in the direction A.
2. Remove the stylus by pulling it forward.



### Installing a new stylus

1. Hold the tip of the stylus in the direction A.
2. Push the stylus inside.



## LINE OUT

1. Plug the Power Cord into a standard 120V~60Hz outlet.
2. Plug the Line Out cable located at the rear of the unit into the auxiliary input (AUX) on your TV, home entertainment receiver or other music system, again being sure that the correct color coded jacks are used.
3. Press the POWER button to turn on the unit. Adjust the volume on your TV or home entertainment receiver.

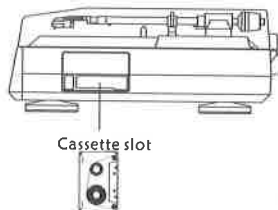
## EARPHONE JACK

For private listening, connect your earphone cable into the EARPHONE jack in front of the unit. The earphone is optional, not included in the package. You may call to order or get online.

If no sound is heard when the earphone plug is inserted, check the volume level if it is turned down by remote control.

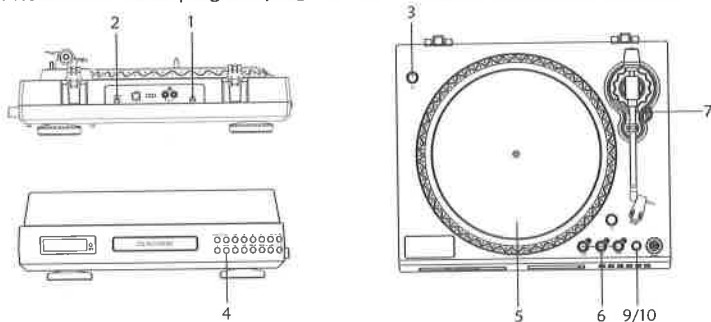
## LISTENING TO TAPE

1. Press the TAPE button to select the TAPE function.
2. Load Cassette Tape into the unit (located on side of the unit) playback will automatically begin.
3. Press TAPE button halfway to Fast Forward the Tape. Press TAPE button lightly and playback will resume.
4. Press TAPE button all the way into end playback and eject Tape.



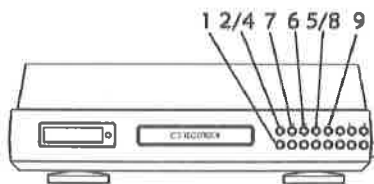
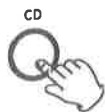
## LISTENING TO A RECORD

1. Connect the AC power cord to AC outlet.
  2. Plug the 2 ends of the LINE OUT Cable into the auxiliary input (Aux or Audio-In) on your TV, home entertainment receiver or other music system. Be sure that the red RCA Cable is inserted into the red jack and the white RCA Cable is inserted into the white jack.
  3. Press the POWER button on the unit. Also turn the power on of device that you connected with this turntable. Select Aux or AV function on TV.
  4. Press the PHONO button to select the PHONO function.
  5. Put a record onto the turntable. When playing a 45rpm record, remember to use the adapter packed in the polybag along with the manual.
  6. Select player speed (33, 45 OR 78 rpm) according to the record you are playing.
  7. Remove the tone arm-rest holder, lift the lift handle and move the tone arm gently to the desired position over the record. Lower the lift handle slowly and record will start to play.
  8. Adjust the volume on your auxiliary source to control the volume of the music.
  9. Press PLAY/PAUSE button to pause the record.
  10. Press the PLAY/PAUSE button to continue playing.
  11. When the music playing is finished and tone-arm reaches the end of the record, the tone-arm will return back to the arm-rest automatically.
- PLEASE NOTE: It could take approximately 20 seconds for the tone-arm to return to the arm-rest when playing records at 78 rpm.  
Or you can press the Eject button when playing the record and the tone-arm will lift up from the record and automatically return to the arm-rest.
12. Remember to unplug the plug when not playing the unit for extended periods of time.



## LISTENING TO A CD

1. Press the CD button.



2. Press the OPEN/CLOSE button to open the tray.



3. Place a disc on the tray with the printed label face up.



- Never place more than one disc on the tray.
- The disc must be placed in the center of the disc tray. If the disc is not correctly loaded, it may not be possible to open the tray again once it has closed, so you should ensure the disc is always centered on the tray.
- Do not force the tray by hand during opening and closing operations.

4. Press the OPEN/CLOSE button to close the tray.



5. Press the PLAY/PAUSE ( ▶ || ) button to play the CD.



The CD disc will start playing from the first track.

6. Press the FF ( ▶▶ ) button once to skip to the next track.

7. Press the FR ( ◀◀ ) button once to go back to the beginning of the current track. Press the FR button twice to go back to the beginning of the previous track.

Fast Reverse (FR) and Fast Forward (FF) You can reverse or forward to any point in a selected track by pushing and holding the F.R or F.F buttons.

NOTE: Do not push both buttons together as this may damage the unit.

As the unit is tracking quickly, forward or backward you will hear your selection playing at a distorted speed. Simply release the depressed button to continue playing at normal speed at the desired position in the selected track.



8. Pause the CD, press PLAY/PAUSE button and by pressing the PLAY/PAUSE button again will restart the CD where it was paused.

Do not switch the unit off while playing a CD as this will damage the unit.

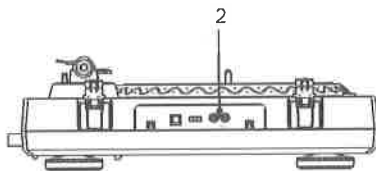
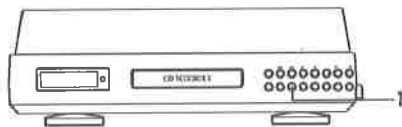


9. Press STOP button to stop the CD.

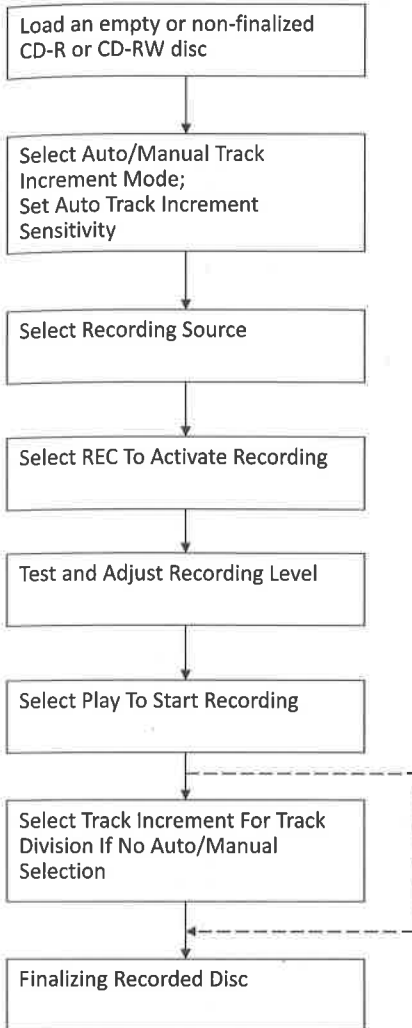
## PLAY AN EXTERNAL AUDIO SOURCE

An external (auxiliary) audio source (ie. Personal CD player or MP3 player) can be connected to this unit and record to the CD.

1. Press the AUX button to select the AUX function.
2. Plug one end of cable (included) into the AUX IN jack at rear of the unit.
3. Plug the other end of the cable into the headphone or LINE OUT socket of the external source.
4. Turn the audio source on and adjust volume level.



## RECORDING OPERATION STEPS



Please refer to the following detailed operation instructions.

For CD-R or CD-RW, if it is recorded and finalized, it is possible to play the disc on most CD players. If it is recorded but not finalized, it will not be possible to play the disc on most ordinary CD players.

## RECORDING TO CD

### About CD-R and CD-RW discs

CD-R discs can be recorded once only. Once they have been used for recording, they cannot be erased or re-recorded. However, if space is available on the disc (and the disc has not been finalized), additional material can be recorded.

By contrast, a CD-RW disc can be used in much the same way as a CD-R disc, but the last track or tracks recorded can be erased, and the space on the disc can be re-used for other recordings.

However, you should note that an audio CD created using a CD-RW disc may not play back satisfactorily on every audio CD-player.

CD-R, by contrast, may be played satisfactorily on the majority of audio CD players.

### Audio from the PHONO, TAPE, AUX sources can be recorded on the CD recorder.

1. Press the OPEN/CLOSE button to open the disc tray, place a recordable disc on the disc tray with the printed label side up, and then press the OPEN/CLOSE button to close the tray.

OPEN/CLOSE



### Select the mode of track number assignment.

#### A. Auto/Manual mode

AUTO: The sequence of record tracks and sound source is identical.

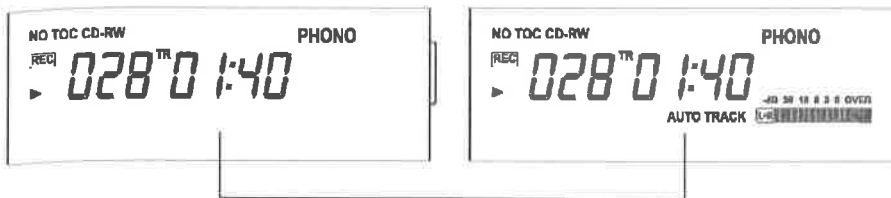
If you are busy, select tracks automatically division assignment with AUTO MANUAL button, i.e sound sources (tape/record/AUX), between their tracks has a section of no sound, when the no sound state exists for more than 2 seconds, the current track will automatically stop, and then change to next track pause state. When the section of no sound is finished, the sound sources (tape/record/AUX) will come into next track playing state, and the unit will continue recording.

**NOTE:** If the section of no sound always exists, without sound source input, it will stay at the pause state all the time.

#### B. TRACK INCREMENT

The unit doesn't divide tracks under Manual Mode.

The unit will record the next track when you press the TRACK INCREMENT button every time. If the current track isn't finished recording, if you press the TRACK INCREMENT Button, the unit will record the next track.



Please note, without AUTO TRACK sign in the display when change into the manual mode, you can compare with above.

\*For best results, use MANUAL TRACK INCREMENT for cassette tapes, classical music, or any other style of music where the division of songs may not be definite.

### Selecting recording sources.

- To record from a record, press PHONO button.
- To record from external source, press the AUX button and connect the cable to the AUX IN jack at rear of the unit and the other end into LINE OUT or headphone jack of external Source.
- To record from the cassette tape. Press the TAPE button, load a Cassette Tape partially into the unit (located on side of the unit), the tape will begin playing when fully inserted.
- To record from a record to CD

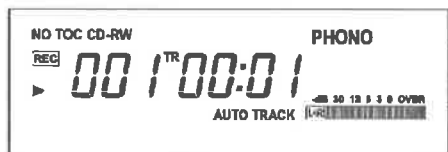
1. Press the PHONO button.

2. Press the RECORD button. REC will appear on the display.

No button will work while busy is displayed. Wait a few seconds until busy disappears from the display.



3. Adjust the recording level using the REC LEVEL buttons, the display will show from -70 to 00 to +7.



4. Move the tone arm over to the record to start playing.

- To stop recording



5. When you finish recording, press the STOP button to stop recording.

6. Press the PLAY/ PAUSE ( ▶ II ) button to start recording.



- Manual track division

It is possible to divide the recording into tracks while recording.

While recording is taking place, press the TRACK INCREMENT button. The current track number will be incremented by one.

TRACK INCREMENT



The TRACK INCREMENT button works regardless of the MANUAL/AUTO REC setting.

This section deals with the actions taken after recording.

- To Turn Record Or Tape Over

(A) Press PLAY/PAUSE button to suspend recording temporarily (pause mode).

(B) Press the PLAY/PAUSE button again to continue recording.



Remember that every time recording is paused or stopped, a new track number will always be assigned. It is not possible to record in two stages within one track.

- ERASE

1. To erase recording, press CD button to select CD function.

2. Press the ERASE button and **ERASE ONE** will show on the display.

Note: You can only erase from the last song on.

If you want to erase all songs, long press the ERASE button and **display** will show **ERASE ALL**, press PLAY button to start erasing all.

3. Press PLAY button to start erasing.

Please note: Erase function works only with CD-RW disc.

- Finalizing

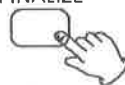
In order for a disc to become a standard CD, it must have a Table of Contents (TOC) written to it. This process is known as finalizing.



## THE CD MUST BE FINALIZE.

1. Press CD button to select CD function.
2. Press the FINALIZE button in the stop mode. FINALIZE appears on the display.

FINALIZE



- To cancel the finalizing process, press the STOP button ( ■ ).
3. Press the PLAY ( ▶ || ) button to start finalizing.

The display will show ---Busy during finalization, wait until the busy disappears to complete the finalizing. The finalizing time is subject to the contents of the records, it may take few minutes in some cases.

When the operation has been finished, the CD door will open.

To check a finalized disc, put the disc in. Close the CD door. It means the disc is finalized when the display shows CD-R or CD-RW on the left top corner.

- During finalizing, no buttons work.
- Never turn off the power or unplug the power cord.

For CD-R or CD-RW, if it is recorded and finalized, the disc may be played on other CD players. If it is recorded but not finalized, the disc will not be able to be played on other CD players.

Once finalized, CD-R discs are truly final. No more tracks can be recorded on them. By contrast, CD-RW disc can be unfinalized. And if there is space in disc, further materials can be recorded on them.

### Record from Cassette to a CD

1. Load a recordable disc in the disc tray.
2. Press TAPE button to select tape function.
3. Press AUTO MANUAL button to activate the function.
4. Press RECORD button to activate recording. **REC** will appear on display.
5. Load a cassette tape partially into the cassette deck, the tape will begin playing when fully inserted.
6. Press PLAY button to start recording.
7. Adjust the REC-LEVEL and the VOLUME.
8. Finalize the CD when you finish recording.
  - Press CASSETTE button half way to fast forward.
  - Press CASSETTE button all the way in to stop and eject the tape.

### Record from External Audio Source

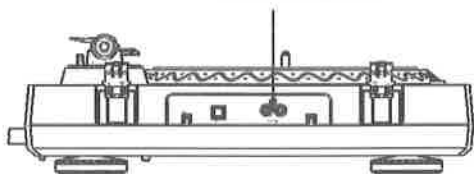
1. Load a recordable disc in the disc tray.

An external (auxiliary) audio source (ie. Personal CD player or MP3 player) can be connected to this unit and record to the CD.
2. Press the AUX button to select the AUX function.
3. Plug one end of cable (included) into the AUX IN jack at rear of the unit.
4. Plug the other end of the cable into the headphone or LINE OUT socket of the external

source.

5. Turn the audio source on and adjust volume level.

### AUX IN Jack



6. Press REC button to activate recording.

7. Press PLAY button on the audio source.

8. Press PLAY button on the record player to start recording.

No button will work while busy is displayed. Wait a few seconds until busy disappears from the display.

9. It's necessary to adjust the recording level when you select Auto Manual Function using the REC LEVEL buttons, the display will show from -70 to 00 to +7. Adjust the volume level.



10. Finalize the CD when you finish recording.

## RECORD TO PC

Audio from the PHONO, CD, TAPE, AUX can be recorded on the computer.

1. To record from a record, press PHONO button.
2. To record from a CD disc, press CD button. Load a disc on the tray with label facing up. Close the tray and press play/pause button to start playing.
3. To record from cassette tape. Press the TAPE button, load a Cassette Tape partially into the unit (located on side of the unit), the tape will begin playing when fully inserted.
4. To record from external source, press the AUX button and connect the cable to the AUX IN jack at back of the unit. And connect the other end into LINE OUT or headphone jack or external source.

## AUDACITY SOFTWARE

The provided CD disc contains the following software:

- (1)Audacity\_for\_MAC-----For Macintosh
- (2)Audacity\_for\_WIN-----For Windows
- (3)audacity-src-2.0.0----- For source codes
- (4)AUTORUN.INF
- (5)The GNU General Public License-3.0.htm

The software is compatible with Window 98, ME, 2000, XP, VISTA, 7 and Macintosh OS 9, OX 10.4 or later.

NOTE: The Audacity does not support the latest upgraded MAC OS9.

## AUDACITY INSTALLATION AND USB CONNECTION

Connect the USB cable to the unit and your computer. Connect the AC cord of the unit. Press POWER button to turn the unit on.

## AUDACITY FOR WINDOWS USERS

### System Requirements

Windows Version	Recommended RAM /Processor speed	Minimum RAM /Processor speed
Windows 7 (64-bit)	4GB / 2GHz	2GB / 1GHz
Windows Vista Home Premium / Business / Ultimate / 7 (32-bit)	4GB / 2GHz	1GB / 1GHz
Windows Vista Home Basic	2GB / 1GHz	512MB / 1GHz
Windows 2000, XP	512MB / 1GHz	128MB / 300MHz
Windows 98, ME	128MB / 500MHz	64MB / 300MHz

### Setup

1. Please insert the Audacity software disk that comes with your unit. Go to "My Computer" and double click the CD ROM Drive or Audacity 2.0 (D).

NOTE: If the CD automatically launches the Set Up Wizard, please skip and refer to 'Installing the Audacity Software'.



2. There are five files in the Audacity disk.

- Audacity\_for\_MAC: Select this for Macintosh system;
- Audacity\_for\_WIN: Select this for Windows system;
- Audacity-src-2.0.0: open source



3. Double click the **Audacity\_for\_WIN** for Windows system then double click the **audacity-win-2.0.exe** to install the Audacity Software.



## INSTALLING THE AUDACITY SOFTWARE

1. Click the dropdown arrow to select a setup language then click on **OK**.



2. The Audacity Setup Wizard will appear. Click on **Next** button.

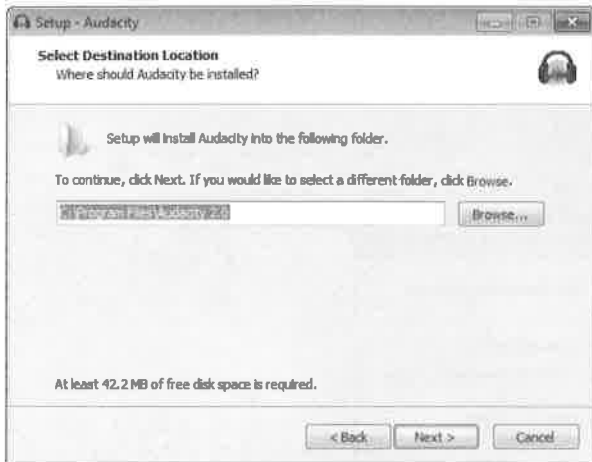


3. Continue to click on **Next**.

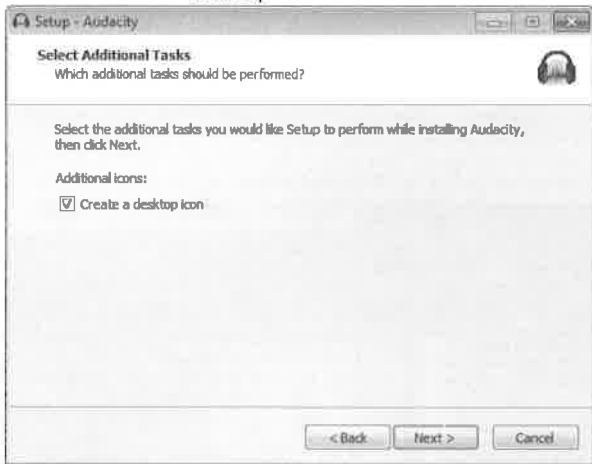


4. Normally most people will install programs in C disk, click on **Next**.

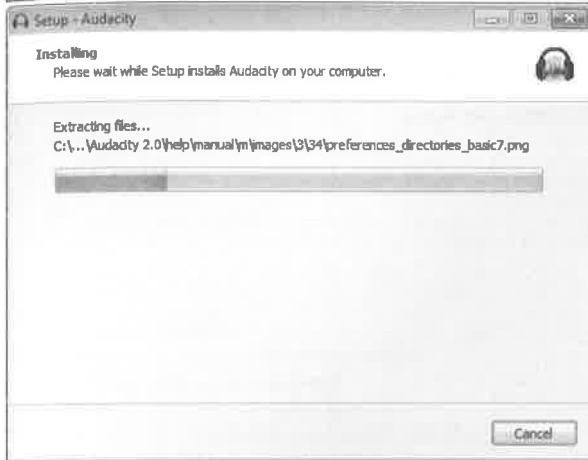
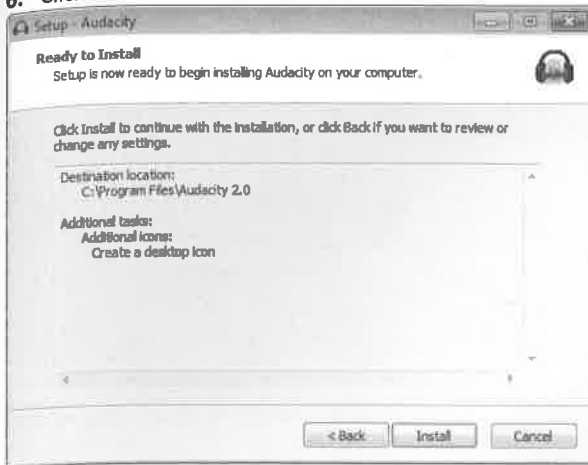
If you want to change the directory, click **Browse**, select a setup directory and click on **Next**.



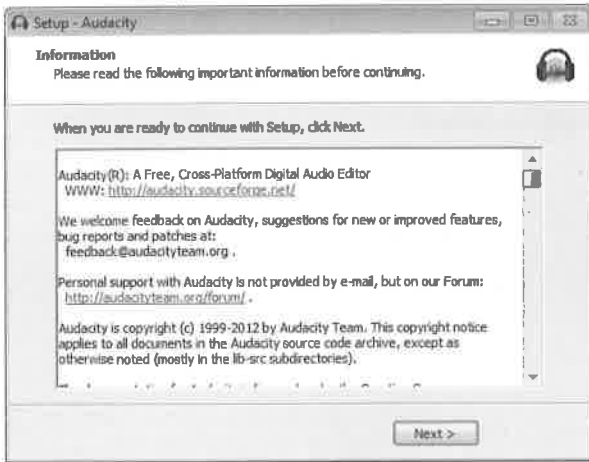
5. Click "Create a Desktop icon" then continue to click on **Next**.



6. Click on **Install** button to start installation.



Click on **Next** icon.



7. Click on **Finish** to complete installation.



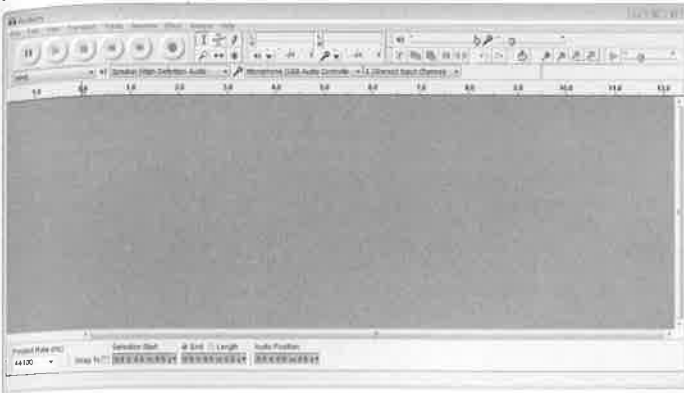
You do not need to install the program in every use.

8. Then the program will be opened if the checkbox beside the "Launch Audacity" is selected. Or you can open Audacity software and start recording your files. (For additional information, visit the Audacity website at <http://audacity.sourceforge.net>)



## CONFIGURING AUDACITY FOR MICROSOFT WINDOWS

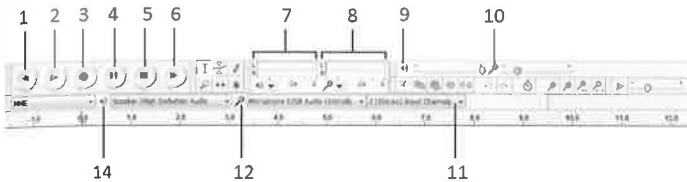
### Audacity Interface



Audacity Interface---Settings and controls

#### Audacity Control Buttons

Use the attribute controls button at the top of the screen to go to beginning, Play, Record, Pause, Stop and End. Use the File, Edit, View, Project, Generate, Effect and Analyze menus to Save, Export, and edit the music.



#### Transport toolbar:

1. Click the ( < ) button to skip to start;
2. Click the ( > ) button to play;
3. Click the ( ● ) button to record;
4. Click the ( || ) button to pause the recording;
5. Click the ( ■ ) button to stop the recording;
6. Click the ( > ) button to skip to end;

#### Meter toolbar:

7. Output level monitor;
8. Input level monitor;

#### Mixer toolbar:

9. Adjust the output volume;
10. Adjust the input volume;

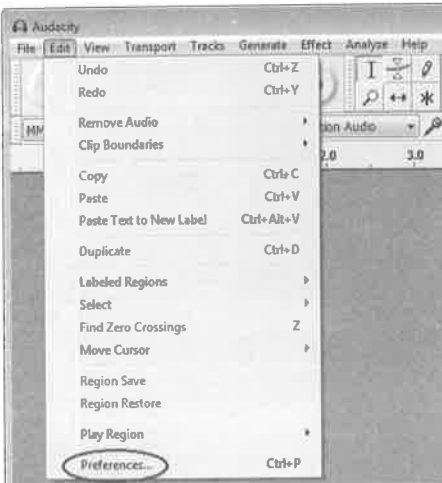
#### Device toolbar:

11. Select recording channel;
12. Select recording device;
14. Select monitoring/playback device.

## AUDACITY PREFERENCES

A few settings will be required before you start downloading the music.

1. Click the "Edit" on the Audacity interface, select "Preferences".

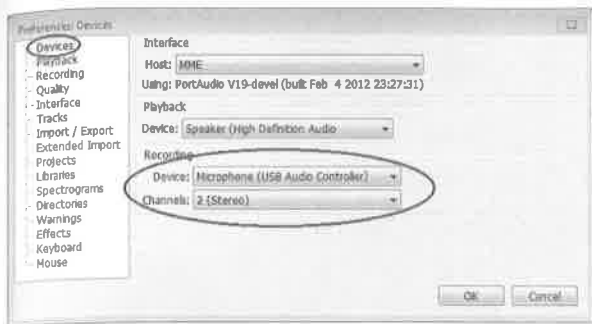


- In the pop-up window of the Audacity Preferences, you will see tabs of Devices, Playback, Recording, Quality, Interface, Tracks, Import / Export, Extended Import, Projects, Libraries, Spectrograms, Directories, Warnings, Effects, Keyboard and Mouse are listed on the left side of the window as in the picture below.



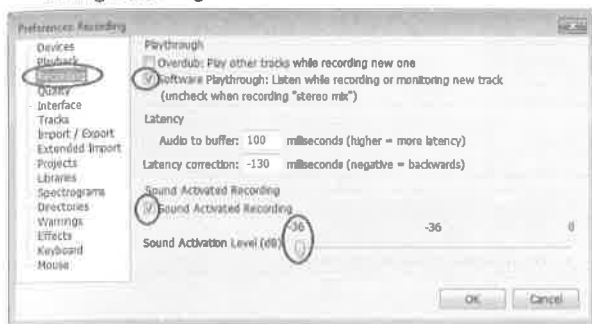
2. Click 'Devices' on the left side, then the detail contents of the Devices will show on the right hand side of Interface.

- Click the ▼ arrow on "Device" below Playback and choose "Realtak AC 97 audio" or "Microphone Sound Mapper" or primary sound driver).
- Click the ▼ arrow on 'Device' below 'Recording' and choose "USB Audio Controller".
- Click the ▼ arrow on 'Channels' to select '2 (Stereo)'. Do not click OK until you finish all the settings.
- Note: If you couldn't find the "microphone (USB Audio Controller)" from the Device list, close the Audacity Software and re-open then try again.

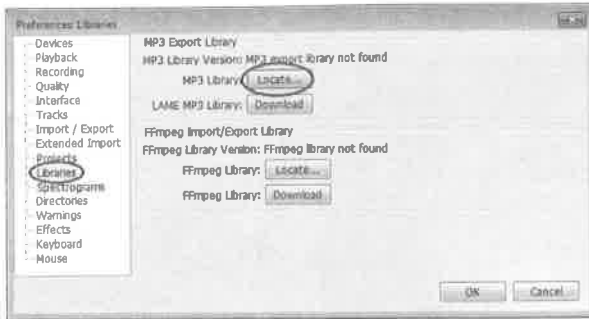


3. Click 'Recording' on the left side, you will see the detail contents on the right side.
- Click the checkbox beside 'Software Playthrough: Listen while recording or monitoring new track'.
- Click the checkbox beside 'Sound Activated Recording' and adjust the Sound Activation Level (dB) to -36.

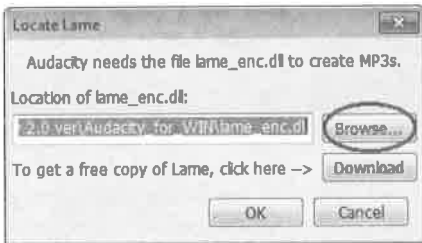
**NOTE:** Once the 'Sound Activated Recording' is selected, the **Pause** button will not work during recording.

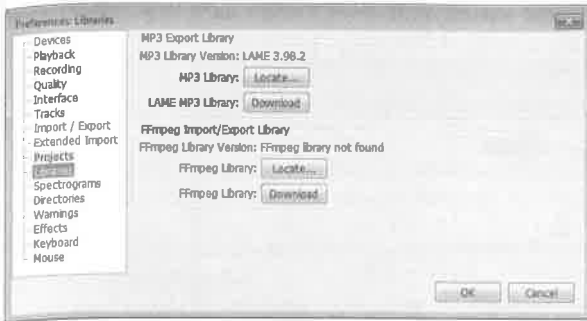


4. Before exporting an MP3 file, you need to find 'lame' first. If the program does not show the MP3 Library, make sure the Audacity driver disc is inside your computer.
- Click 'Libraries' on the left side, then in 'MP3 Export Library' interface, click 'Locate...' button to find 'lame\_enc.dll'.



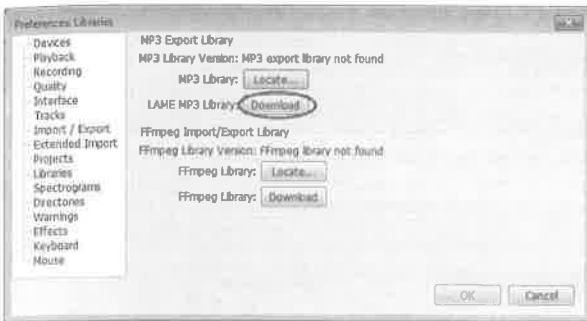
- Click 'Browse' button to open 'lame\_enc.dll'. Click on Computer/My Computer and locate Audacity 2.0, CD Rom Audacity 2.0 or DVDR Audacity 2.0. Double click on it. Then double click on 'Audacity for Win' then left click on 'lame\_enc.dll' to highlight it. Click 'Open' then click 'OK' on Locate Lame small box.





5. If the 'lame\_enc.dll' software does not open from the disc, you must download the 'lame' software from website.

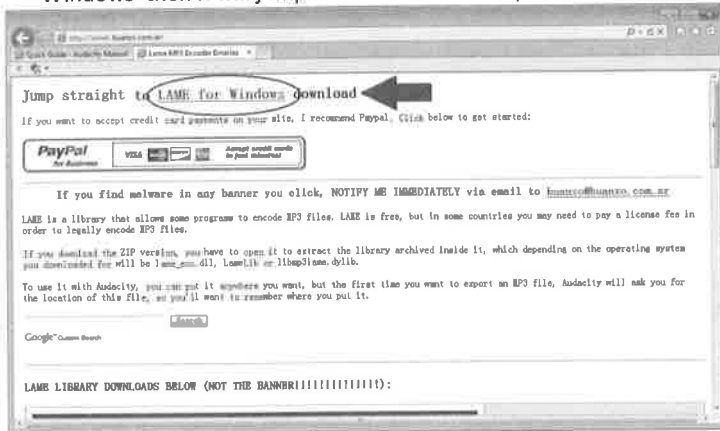
- Click 'Download' then a website will be opened automatically.



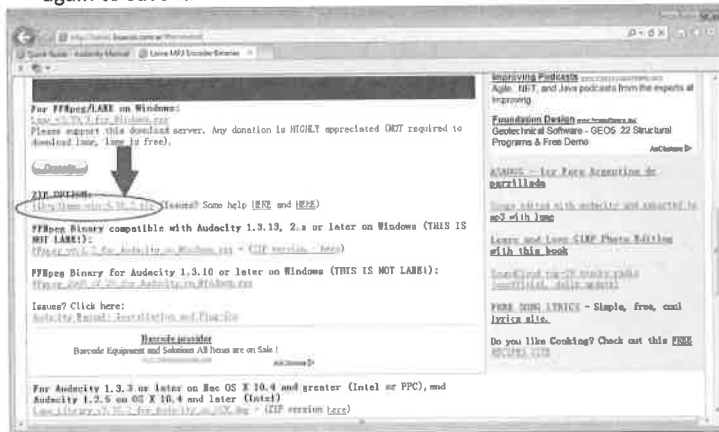
- Opened website to download 'lame\_enc.dll' : click on download page.



- 'Jump straight to LAME for Windows download' in the upper line. Left click 'LAME for Windows' then it will jump to the download chapter for Windows.



- The Audacity LAME is free, so you can click 'libmp3lame-win-3.98.2.zip' under ZIP OPTION to download. Click Save, select the Folder you want to save it in, then click Save again to save it.



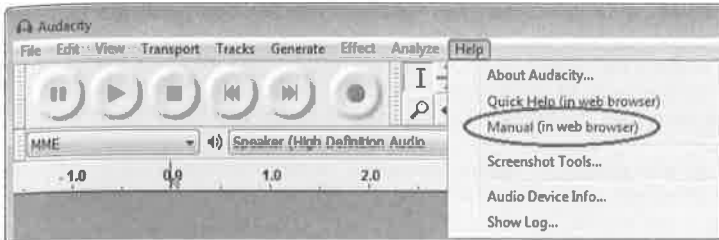
- Close the Webpage, then click OK to close the Audacity preference. Minimize Audacity interface, then open the Folder where you saved the libmp3lame-win-3.98.2. Double click on it, then double click on it again to open. Now left click on lame\_enc.dll. Hold and drag it to your Desktop.

**NOTES:**

\* Once you move it to the Desktop you do not need to do this again.

\* After opening lame\_enc.dll the first time it may not be necessary to open lame\_enc.dll the next time you record.

- Go back to the Audacity and click on **Edit**, then **Preferences**. Click on **Libraries** in MP3 library. Click on **Locate**, then click on **'Browse'**. Click on **Desktop**, then click on **Lame\_enc.dll** to highlight it. Then click **Open**.
  - Click on **OK** on Locate Lame box. Click **OK** on Audacity Preferences to close and to complete your settings. Now you can Record, Export and save your favorite music.
6. For detailed information about how to run this program, please click 'Help' and click 'Manual (in web browser)'.



7. Adjust the output and input volume to 20% (or 0.2 level ).






NOTE: Because of the variation of different operation systems, the input volume control may not work on some individual Windows versions. Windows Vista is recommended to ensure the input volume control working properly.

- And for any query on 'Mixer Toolbar' please visit:  
[http://wiki.audacityteam.org/index.php?title=Mixer\\_Toolbar\\_Issues](http://wiki.audacityteam.org/index.php?title=Mixer_Toolbar_Issues)

## RECORDING OPERATION

To download music from PHONO to PC



1. Place the record on the turntable.
2. Move the tone-arm over to the record to start playing.
3. Click the Record (  ) button to start recording.  
The waves (top and bottom) will show on the interface.
4. At end of the song, click Pause (  ) button on computer and press PLAY/PAUSE button on turntable.

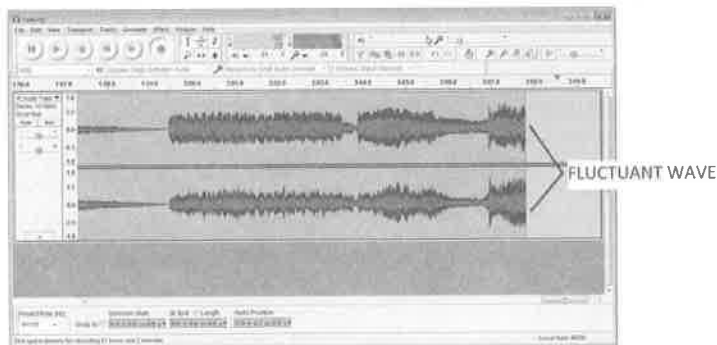
For the next song, replace the album or move tone-arm to another desired song. Press PLAY/PAUSE button on turntable to start playing the next song. Immediately press Pause (  ) button on computer and downloading will continue.


NOTE: Pause button will not work during recording process if the 'Sound Activated Recording' in the Preferences Recording is selected. Clear the checkbox next to the 'Sound Activated Recording' if you want to pause recording manually.

5. Repeat steps 3 and 4 until you have finished downloading.

NOTE: Do not click Stop button on computer while continuously downloading songs. Remember to click Pause in between your desired songs. Press Stop on computer only when all your desired songs have been downloaded.

After you have finished downloading, you may play back the songs through your computer. In Stop Mode, simply click (  ) SKIP TO START button then the (  ) PLAY button.



After you have finished downloading, you may play back the songs through your computer. In stop mode, simply click (  ) SKIP TO START button then the (  ) PLAY button.



**TIP:** If you press the "stop" button by accident, you can click "Transport" and click "Append Record". Then you can continue to record in the same track.



For example, the "stop" button has been pressed by accident at the end of the 1<sup>st</sup> song. Do not click anything in Audacity and get another song prepared, then click "Transport" tab and select "Append Record" (refer the picture above). Soon the 2<sup>nd</sup> song will continue to record on the same track at the end of the 1<sup>st</sup> song.






**NOTE:** You may visit the Audacity website at <http://audacity.sourceforge.net> for more detailed information and operation, etc.

You have a music download on your computer now. But the music needs to be saved and converted to WAV, Ogg, or MP3 formats before exporting.

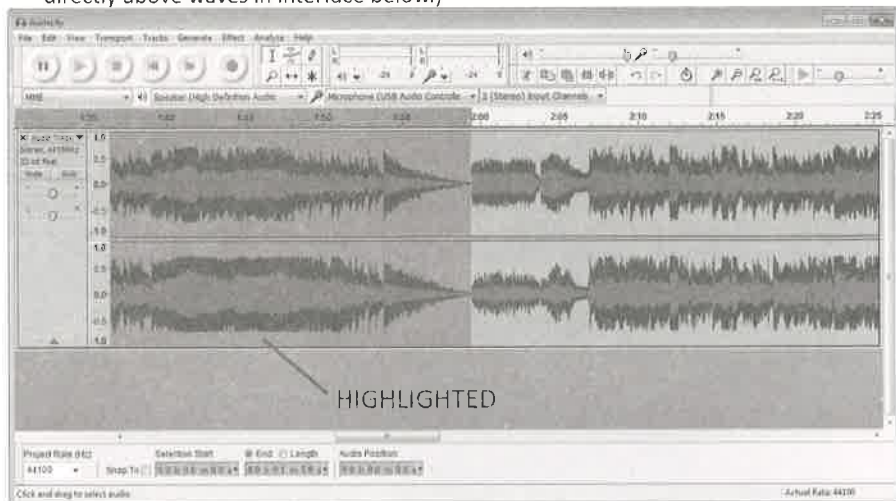
## DIVIDING, EXPORT AND SAVE TRACKS

Note: Follow the previous instructions to download the songs but **DO NOT** click the Stop button when the first song is finished. Click the Pause button on computer. For the next song, replace the album or move tone-arm to another desired song. Click the Pause button to continue the downloading. Only click the Stop button when you have finished downloading into computer.

After you have finished downloading, you may play back the songs through your computer before exported. In stop mode, simply click (  ) SKIP TO START button then the (  ) PLAY button.

1. Press (  ) button to return to the beginning of the first song.

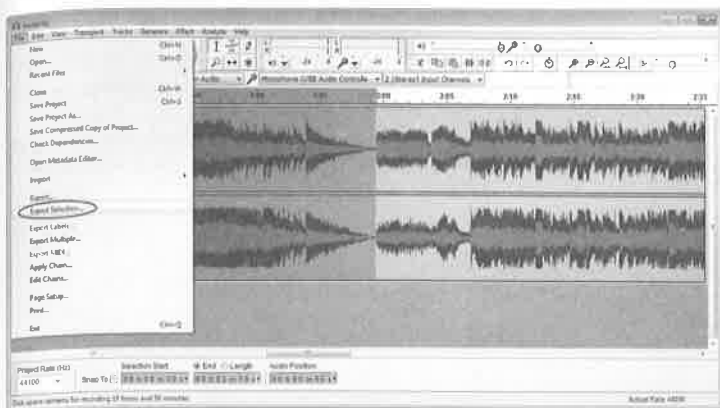
- For example: You have 2 songs downloaded (before exporting). The duration of the first song is from 0:00-1:45 / the duration of the second song is from 1:45-4:00. (See time bar directly above waves in interface below.)



(Suggestion: You can also write down the duration of time each song takes to download while it is playing by watching the wavelengths.)

2. Move cursor to the wave graphic area, left click mouse and hold then drag from left to right. You can see the time bar color changing to gray (highlighted). Release the mouse when the highlighted time bar has reached 1:45 (end of first song).

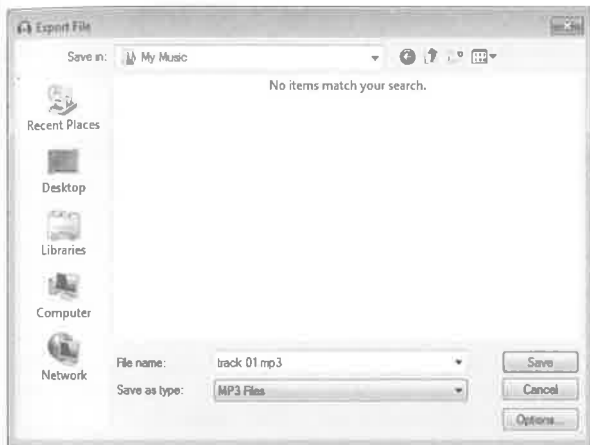
3. Click "File" tab then select "Export Selection...".



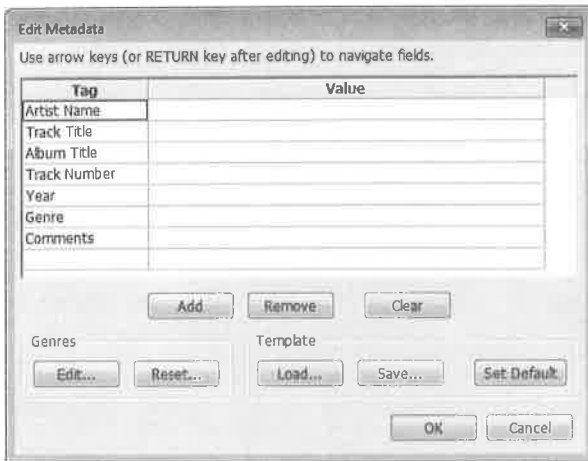
4. Another window appears. Select a location as well as the format (most people prefer to save audios as MP3 format (MP3 format is most common) in My Music and put the title in the file name, then click "Save".

**NOTE:** The most common formats are: MP3, WAV (WAV uses a lot of space), and MYA/AAC (most iPod devices can play audios with this format).

You can also choose alternative format such as AIFF, WAV, OGG or FLAC if these formats are supported on both your computer and the exported devices. Note that according to your selection, the Edit Metadata window may not appear.



5. Then another window will show up. Fill in the information in the window titled with "Edit Metadata". Then click "OK".



Wait a few seconds before exporting the selected audio.



**Second song to be divided and saved:**


1. Move cursor to the wave graphic beginning of 2<sup>nd</sup> song. Left click mouse and hold then drag from left to right until you reach and highlighted the end of 2<sup>nd</sup> song.
2. Click "file" tab then select "EXPORT SELECTION as MP3".
3. Follow above steps to divide songs, export and save, one-by-one.

**MP3, WAV AND OGG FORMAT**

THESE ARE DIGITAL FILE FORMATS FOR AUDIO (MUSIC) AND MOST CURRENT COMPUTERS ARE COMPATIBLE. HOWEVER, IF YOU COPY THE FILE ONTO A CD DISC (CD-R OR CD-RW) AND PLAY WITH ANOTHER CD PLAYER, YOU HAVE TO MAKE SURE THE CD PLAYER SUPPORTS THOSE FORMATS; OTHERWISE, THE COPIED CD DISC WILL NOT PLAY. THE SAME THING IS TRUE WITH A COPIED FILE TO BE PLAYED ON ANOTHER MP3 PLAYER.

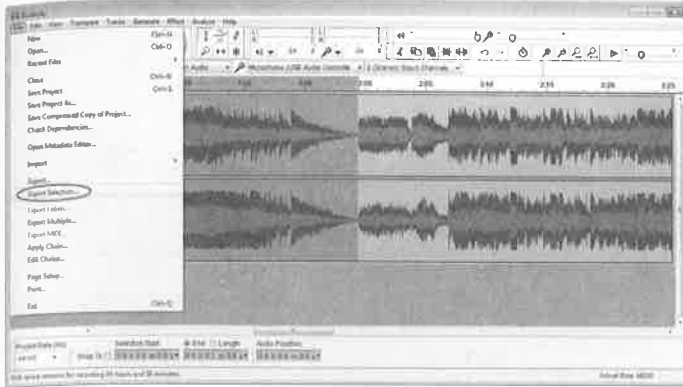
## EXPORT AND SAVE FOR WAV AND OGG FORMATS

(AFTER RECORDING IS COMPLETE)

When the song is finished, click the (  ) on the screen. Then stop the playing. You can export and save tracks individually, or export and save into one file.

### To export and save individually:

1. Highlighted the song which you want to save then click the file tab on the audacity interface.



2. Select "Export Selection...", a window will appear as below:



Select the folder, put title in the file name and click the pull-down arrow to select a save as type you want, such as WAV or OGG format.

● **To Export Selection AS WAV.....**

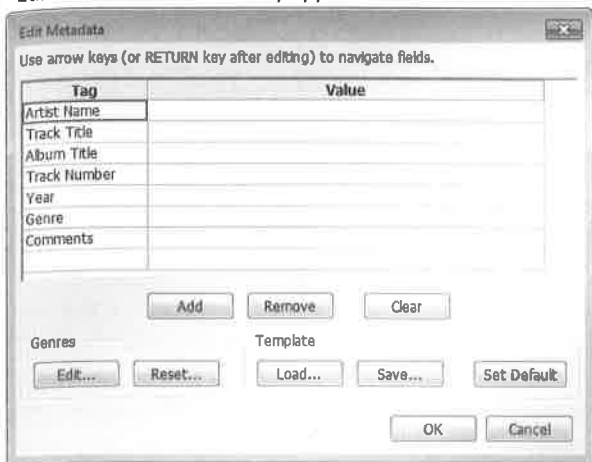


● **To Export Selection As Ogg**



3. Once you have chosen the file format of the recording that should be exported, and put the title in the file name and the folder of the location where it will be saved, i.e. desktop. Then click "Save".

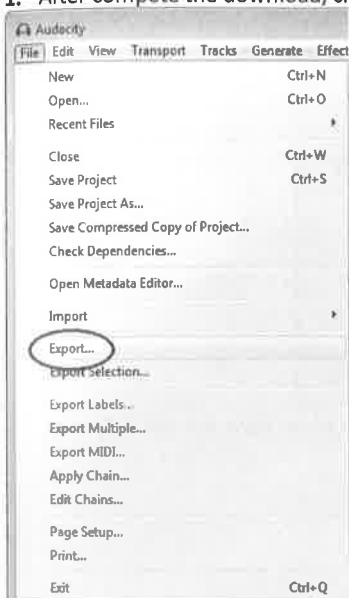
4. Edit Metadata window may appear. Finish the information then press **OK** button.



5. Wait for a few seconds until the export & saving is completed.

**To export and save individually:**

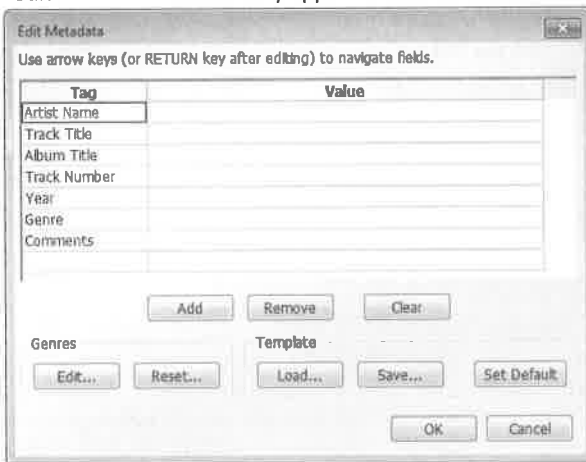
1. After complete the download, click the File tab, *and then select the Export.*



2. An Export File window appears. Click the pull-down arrow to select a save as type.



3. Once you have chosen the file format of the recording should be exported, and the title in file name and the folder or location where it will be saved, i.e. desktop. Then click "Save".
4. Edit Metadata window may appear. Finish the information then press OK button.



5. Wait for a few seconds until the export & saving is complete. Now you can copy the exported & saved music to an MP3 player.



### **COPYING THE MUSIC FILE TO AN MP3 PLAYER**



1. Connect MP3 player to your computer via USB cable.
2. Turn on your computer.
3. Double click on "MY COMPUTER".
4. Locate the drive named "REMOVABLE DISK" or "MP3 PLAYER" – This is your MP3 player.
5. Double click the "REMOVABLE DISK/MP3 PLAYER" – to open the folder. It will show all files currently on your player.
6. Next locate your music files on your computer. Most people store them in their "MY MUSIC" folder.
7. Once your music folder/MP3 file folder is open, click once to highlight the song you want to send to your MP3 player. One of the following steps will copy the MP3 file:
  - A. Right click on the highlighted song and a box will come up. Move cursor to "SEND TO" and another box will come up. If you have the option "REMOVABLE DISK", click on it. This will send copy of MP3 file to MP3 player.
  - B. If you do not have "REMOVABLE DISK" listed, then click on "COPY". Go back and repeat steps 3, 4 & 5 (above). Right click in the middle of the window and a box will open. Select "PASTE" and MP3 file will be sent to MP3 player.


#### **NOTE:**

**TO BURN CDS: YOU MUST HAVE A CD BURNER IN YOUR COMPUTER. PLEASE REFER TO THE INSTRUCTION RELATED TO THE BURNER'S USE.**

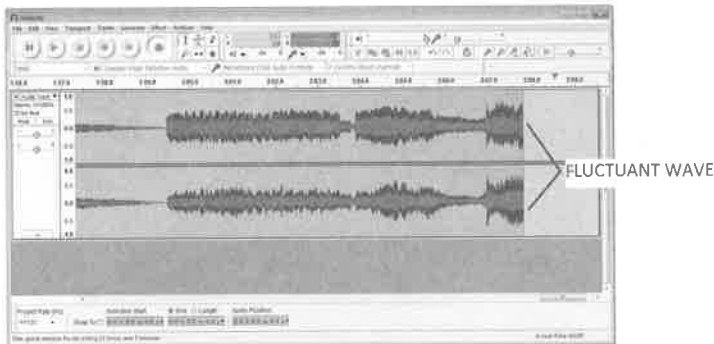
## RECORDING OPERATION FROM CD

### To download music into computer

1. Press POWER button to turn the unit on.
2. Press CD button and press open/close button.
3. Place a disc on the CD tray with printer label facing up.
4. Press open/close button to close CD door and press PLAY button to start playing the CD.
5. Click the **Record** (  ) button to start recording. The waves (top and bottom) will show on the interface.
6. At end of CD/song, click **Pause** (  ) button on computer and press STOP button on CD.

Replace the CD or press SKIP button to select another desired song. Press PLAY button on CD to start playing the next song. Immediately press **Pause** (  ) button on computer and downloading will continue.

*NOTE: **Pause** button will not work during recording process if the 'Sound Activated Recording' in the Preferences Recording is selected. Clear the checkbox next to the 'Sound Activated Recording' if you want to pause recording manually.*






7. Repeat steps 5 and 6 until you have finished downloading.

**NOTE:** Do not click **Stop** button on computer while continuously downloading songs. Remember to click **Pause** in between your desired songs. Press Stop on computer only when all your desired songs have been downloaded. If you do not have fluctuant wave, see pages 76 to 83.

To divide, export and save the recorded music  
To MP3, WAV or Ogg refer from pages 42 to 48.

## RECORDING OPERATION FROM CASSETTE

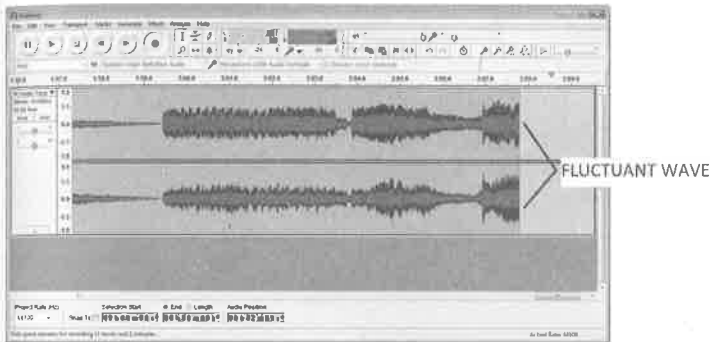
### To download music into computer:

1. Press POWER button to turn the unit on.
2. Load the cassette tape into the unit, playback automatically begins.
3. Click the Record (  ) button to start recording. The waves (top and bottom) will show on the interface.
4. At end of cassette, click **Pause** (  ) button on computer and press EJECT button on the cassette, turn over or replace the cassette and load it to play. Immediately press **Pause** (  ) button on computer and downloading will continue.

*NOTE: Pause button will not work during recording process if the 'Sound Activated Recording' in the Preferences Recording is selected. Clear the checkbox next to the 'Sound Activated Recording' if you want to pause recording manually.*

5. Repeat steps 3 and 4 until you have finished downloading.




**NOTE:** Do not click **Stop** button on computer while continuously downloading songs. Remember to click **Pause** in between your desired songs. Press **Stop** on computer only when all your desired songs have been downloaded. If you do not have fluctuant wave, see pages 76 to 83.



To divide, export and save the recorded music  
To MP3, WAV or Ogg refer from pages 42to 48.

## RECORDING OPERATION FROM AUX IN

### To download music into computer

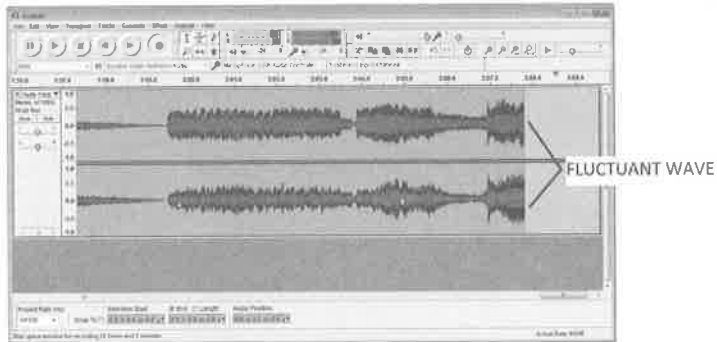
1. Press POWER button to turn the unit on and press AUX button.
2. Plug one end of the cable (included) into the AUX IN socket on the unit.
3. Plug the other end of the cable into the headphone or line out socket of external source.
4. Turn on the external source, adjust the volume level and press PLAY button to start playing.
5. Click the Record (  ) button to start recording.  
The waves (top and bottom) will show on the interface.
6. To skip to another song, click Pause (  ) button on computer and press STOP button on external source. Press skip button on the external source to select another desired song. Press PLAY button on the external source to start playing the next song. Immediately press Pause(  ) button on computer and downloading will continue.

*NOTE: Pause button will not work during recording process if the 'Sound Activated Recording' in the Preferences Recording is selected. Clear the checkbox next to the 'Sound Activated Recording' if you want to pause recording manually.*

7. Repeat steps 5 and 6 until you have finished downloading.

**NOTE:** Do not click Stop button on computer while continuously downloading songs. Remember to click Pause between your desired songs. Press Stop on computer only when all your desired songs have been downloaded.

If you do not have fluctuant waves, see pages 76 to 83.



To divide, export and save the recorded music  
To MP3, WAV or Ogg refer from pages 42 to 48.

## AUDACITY FOR MAC USERS

### System Requirements

Audacity runs best with at least 1 GB RAM and a 1 GHz processor (2 GB RAM/2 GHz on OS X 10.7 or later).

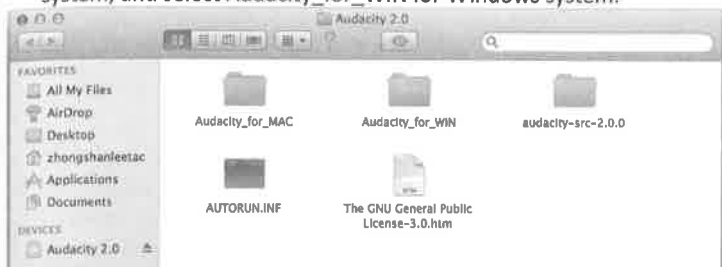
Where Audacity is to be used for lengthy multi-track projects, we recommend a minimum of 2 GB RAM and 2 GHz processor (4 GB RAM on OS X 10.7 or later).

1. Please insert the Audacity software disk that comes with your unit. Click the Audacity disk on the desktop.



Audacity 2.0

2. There are five folders in the Audacity disk. Select Audacity\_for\_MAC for Macintosh system, and select Audacity\_for\_WIN for Windows system.



3. Double click the Audacity\_for\_MAC folder. Then you will see two folders.



- If your computer is Mac OS X system (Intel CPU), please enter the Intel folder to install the audacity software;
  - If your computer is Mac OS 9 system, please enter the Mac OS 9 folder to install the audacity software;
- NOTE: The Audacity does not support the latest upgraded MAC OS9.

**TIPS:** To check your computer OS version, you can click the Apple icon then select the **About This Mac**.



Then another window will appear. The processor type and OS version are shown as below.



4. Double click on the setup file according to your system supported, for instance, "audacity-macosx-ub-2.0.0.dmg" icon the software files will now open in a folder.



Wait a few minute until this window disappears.



Then another window will appear.



Select all the files in the folder and drag them into a suitable location on the hard drive (Applications, etc.).

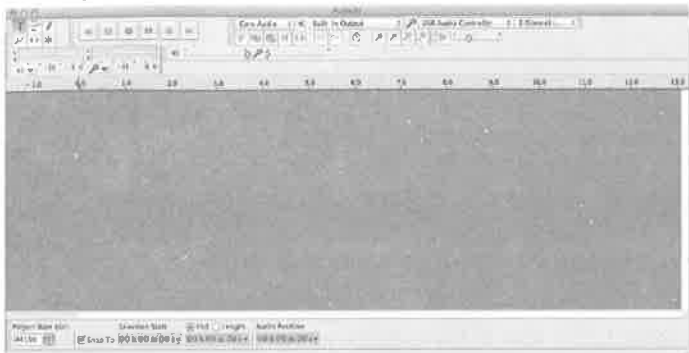
5. Double click the Audacity folder, then in the Audacity window, you will see 8 files in the folder.



6. Double click on the Audacity icon to start the software running, alternatively, drag the "orange ball wearing headphones" icon down onto the desktop toolbar. Click on this icon to run Audacity.

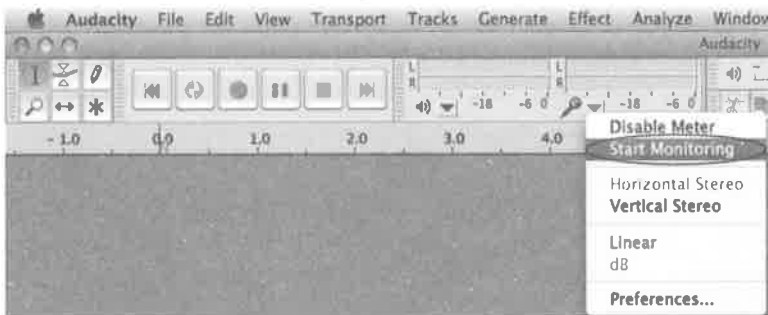
## CONFIGURING AUDACITY FOR MAC

### Audacity Interface for Mac



### Audacity Interface---Settings and controls







At the top of the main Audacity window, to the right of the play control buttons, you will see the input and output level meters (labeled L and R). Under the output level meter, is an icon that looks like a microphone. Next to the microphone is a black arrow that points down. Click this arrow and select **Start Monitor**. (If you don't see the input and output level meters, open your Preferences again as described above.)

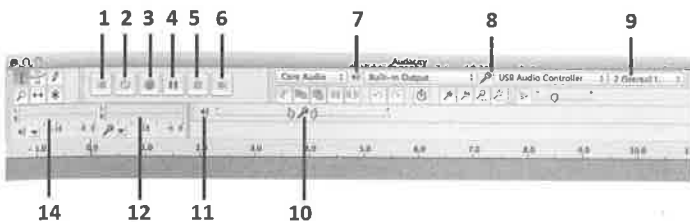




## Audacity Controls and Buttons

Use the attribute controls button at the top of the screen to go to beginning, Play, Record, Pause, Stop and End. Use the File, Edit, View, Project, Generate, Effect and Analyze menus to Save, Export, and edit the music.

1. Click the (  ) button to skip to start;
2. Click the (  ) button to play;
3. Click the (  ) button to record;
4. Click the (  ) button to pause the recording;
5. Click the (  ) button to stop the recording;
6. Click the (  ) button to skip to end;
7. Output device
8. Input device
9. Recording channel
10. Adjust the input volume.
11. Adjust the output volume.
12. Input level monitor
14. Output level monitor



## AUDACITY PREFERENCES SETTINGS

A few settings will be required before you download the music.

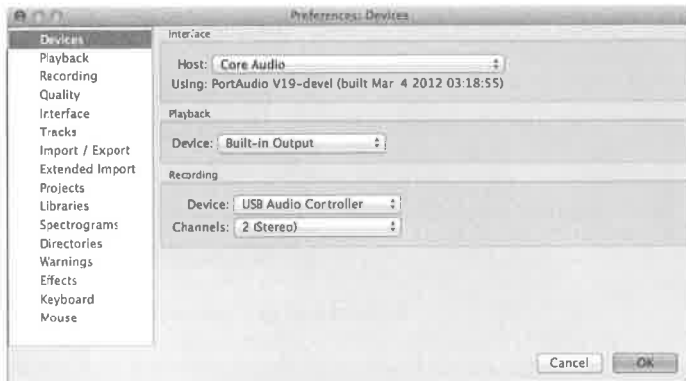
1. Click the "Audacity" on the Audacity interface, select "Preferences". Then another window will appear on the screen.



2. In the window of Audacity Preferences click "Devices" on the left hand side.

- Then on the right side within the Recording Device column, set Device to "USB Audio Controller", Channels to "2 (Stereo)".

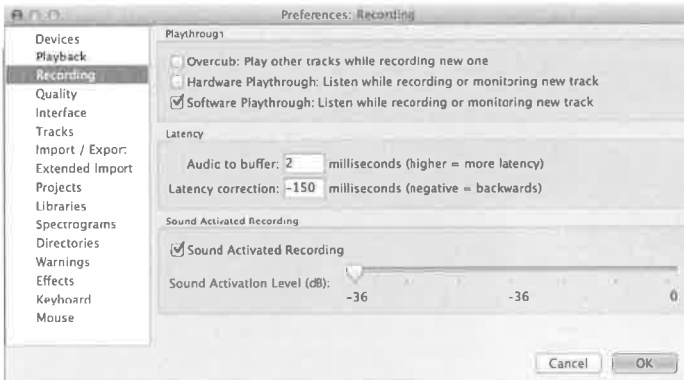
*NOTE: If you couldn't find the "Core Audio (USB Audio Controller)" from the Device list, close the Audacity Software and re-open then try again or insure the turntable is connected to the computer.*



3. Click "Recording" on the left. Then on the right side in Playthrough column, click the checkbox beside the "Software Playthrough: Listen while recording or monitoring new track".

- In the Sound Activated Recording column, click the checkbox beside "Sound Activated Recording", then slide the meter to **-36 db**.

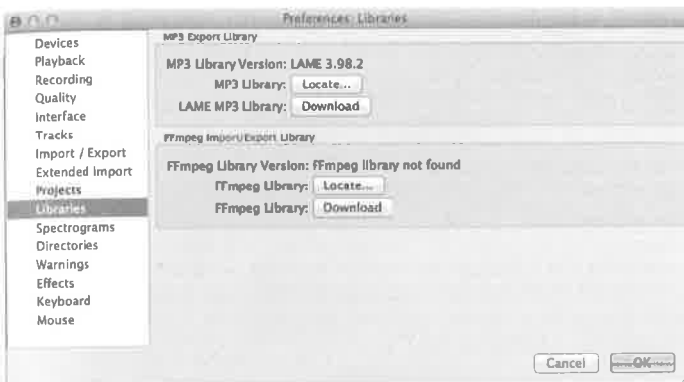
*NOTE: Once the 'Sound Activated Recording' is selected, the **Pause** button will not work during recording.*



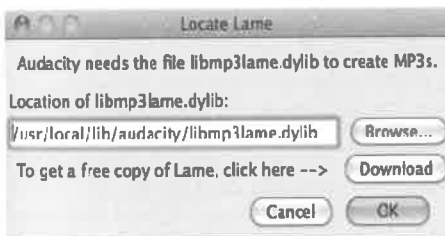
4. Click "Quality" on the left then on the right side in Sampling column, select "44100 Hz" in Default Sample Rate and select "16-bit" in Default Sample Format.



5. Click "Libraries" on the left then on the right side in MP3 Export Library column, check if the program has detected and shown the MP3 Library Version there. If shown, skip and forward to step 6.



If it display "MP3 export library not found" you need to find the "LAME". Click "Locate..." button then a window named "Locate Lame" appears to find where the "LAME" is. Click the "Browse..." button to find it.



Or if you cannot find it or the LAME file you found is not compatible, click the "Download" button and a website will show automatically. Scroll down the webpage to find a title named "MAC OS X". Click the "LAME download page" and another website will show automatically.

**Mac OS X**

1. Go to the [LAME download page](#)
2. Download **Lame Library v3.98.2 for Audacity on OSX.dmg**
3. When you have finished downloading, double-click the .dmg to mount it. Then go to the Finder (in Safari, the "Lame Library v3.98.2 for Audacity" virtual disk image will be extracted and mounted automatically after downloading)
4. Double-click "Lame Library v3.98.2 for Audacity.pkg"; the standard OS X Installer will start
5. Click through the steps in the installer, accepting the defaults in all cases; this will install the LAME binary "libmp3lame.dylib" in /usr/local/lib/audacity
6. Audacity should detect LAME automatically when you export as MP3. If Audacity cannot find LAME:
  1. Click Audacity > Preferences > Libraries
  2. Click "Locate..." under "MP3 Export Library", then "Browse..." in the "Locate Lame" dialog
  3. The "Where is libmp3lame.dylib?" window will start at /usr/local/lib/audacity, which is the default location for the LAME library; if you installed the library in some other location (by skipping the "Change Install Location" in the "Installation Type" step of the installer), go to that location, select libmp3lame.dylib, click "Open" then "OK" and "OK"

You should now be able to export MP3s without any further configuration, choosing File > Export... then selecting "MP3 Files" in the File Export Dialog. In case of difficulty, or if you have an older version of Audacity, please view our [detailed instructions on the Audacity Wiki](#).

Scroll down the webpage.

For Audacity 1.3.3 or later on Mac OS X 10.4 and greater (Intel or PPC) and Audacity 1.3.3 on OS X 10.4 and later (Intel)  
 Last Librar... (1.3.3) in Audacity on OSX.dmg (ZIP version: lam)

FFmpeg Library for Audacity 1.3.13 or later on OS X 10.4 and later (Intel or PPC) (THIS IS NOT LAME!)  
 FFmpeg... (1.3.4 OSX 3144 64bit)

FFmpeg Library for Audacity 1.3.13 or later on OS X 10.4 and later (Intel or PPC) (THIS IS NOT LAME!)  
 FFmpeg (2009/02/29 OSX DMG)

FFmpeg v0.6.3 - 2IP version - extract to any location  
 FFmpeg... (0.6.3) in Audacity on OSX.dmg

For Audacity 1.2.2 on OS X (PPC) and Audacity 1.0.8 on OS 9:  
 Last Lib... de-Cabouze

LAME 3.97 for Atari-16 (SPARC)  
 lme-3.97.pkg.gz

• Update download instructions by Joe Jones (a general trend, check us for the...)

FREE SOFTWARE - THERE'S NO FEE FOR YOU! We're happy to give away our software, but we do need to cover our costs. If you're interested in our software, please contact us at [info@audacityteam.org](mailto:info@audacityteam.org).

Audacity is a free and open source audio editor which allows you to edit, convert, export, record, mix, and burn audio files. It is available for Windows, Mac OS X, and Linux. For more information, visit our website at <http://audacityteam.org>.

Some Stuff Unrelated to LAME or Audacity, but in need of a mirror  
 This is a mirror of the Data Disc v1.3 software (see [page](#) and [page](#) for more info)

You will notice a form provided the LAME for all version systems. Find a title named "For Audacity 1.3.3 or later on Mac OS X 10.4 and greater (Intel or PPC), and audacity 1.2.5 on OS X 10.4 and later (Intel)" and then click "Lame Library v3.98.2 for Audacity on OSX.dmg" to download the file. Then locate the LAME and click OK.

**Locate Lame**

Audacity needs the file libmp3lame.dylib to create MP3s.

Location of libmp3lame.dylib:

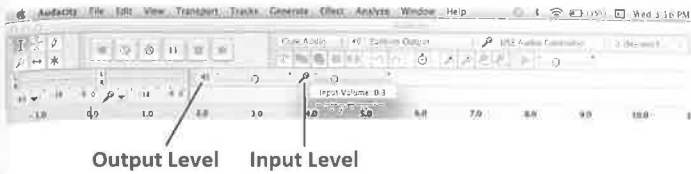
To get a free copy of Lame, click here -->

Buttons: Browse..., Download, Cancel, OK

6. Then click OK to close the Preferences interface.



## SETTING THE RECORDING INPUT LEVEL


It is recommended to adjust the recording input level before start recording. Slide the output level to about 0.5, then slide the input level to 0.3. Then get your record ready.

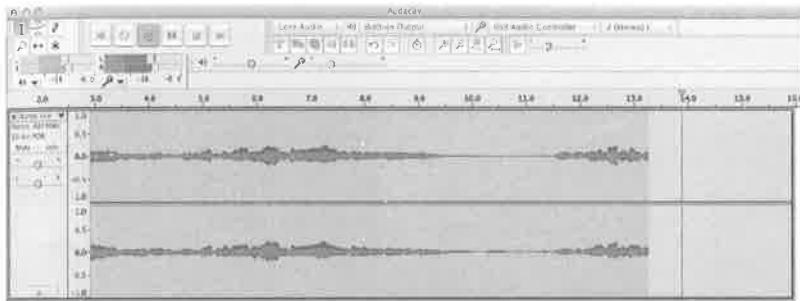


## RECORDING OPERATION

To download music from PHONO to PC

1. Place the record on the turntable.
2. Move the tone-arm over to the record to start playing.
3. Click the Record (  ) button to start recording. The waves (top and bottom) will show on the interface.
4. At end of the song, click Pause (  ) button on computer and press PLAY/PAUSE button on turntable.

For the next song, replace the album or move tone-arm to another desired song. Press PLAY/PAUSE button on turntable to start playing the next song. Immediately press Pause (  ) button on computer and downloading will continue.



**NOTE:** *Pause* button will not work during recording process if the 'Sound Activated Recording' in the Preferences Recording is selected. Clear the checkbox next to the 'Sound Activated Recording' if you want to pause recording manually.

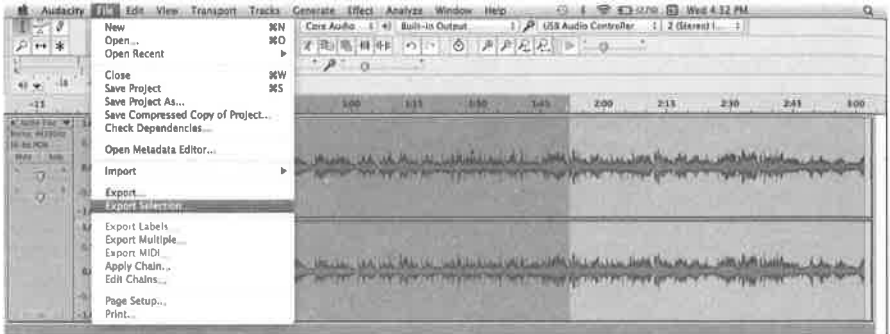
5. Repeat steps 3 and 4 until you have finished downloading.

**NOTE:** Do not click Stop button on computer while continuously downloading songs. Remember to click Pause in between your desired songs. Press Stop on computer only when all your desired songs have been downloaded.

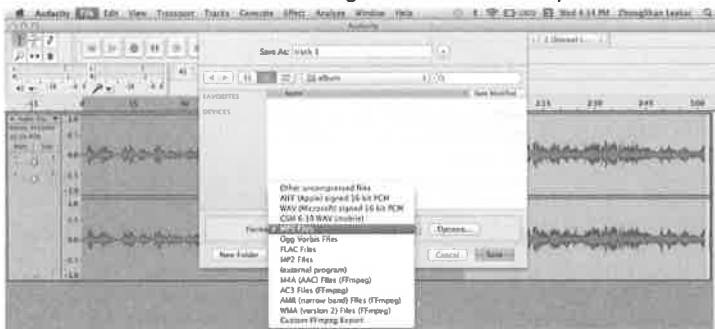
After you have finished downloading, you may play back the songs through your computer. In Stop Mode, simply click ( [⏮] ) SKIP to START button then the ( [▶] ) PLAY button.

## DIVIDING TRACKS

1. Press ( [⏮] ) button to return to the beginning of the first song.
2. Move cursor to the wave graphic area, left click mouse and hold then drag from left to right. Release the mouse when the highlighted reach end of first song.
3. Click "File" tab then select "EXPORT SELECTION".
4. The window will pop up a dialog box for you to complete the Metadata. Click OK button after you type in.



5. Then a window appears. Select your music file location and format, and type in your file name. Click "Save" and the song is saved on the computer.



6. Edit Metadata window will appear. Complete the information then click **OK**. Wait for a few minute until the saving is complete.



Tag	Value
Artist Name	
Track Title	
Album Title	
Track Number	
Year	
Genre	
Comments	

Add Remove Clear

Genres Edit... Reset... Template Load... Save... Set Default

Cancel OK

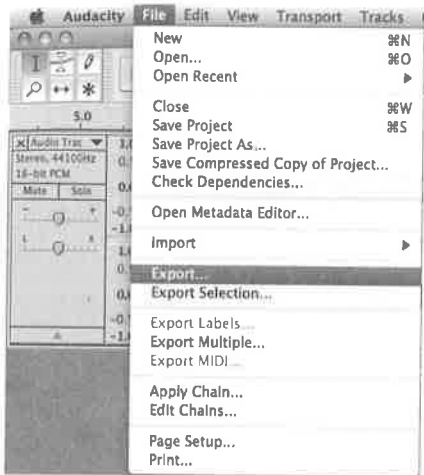
#### EXPORT AND SAVE FILES (AFTER RECORDING IS COMPLETED)

- When the recording is finished, click the (  ) on the screen. Then stop the cassette playback.
- You have a music download on your computer now.
- You may play back the song through your computer.
- Simply click the (  ) to play.

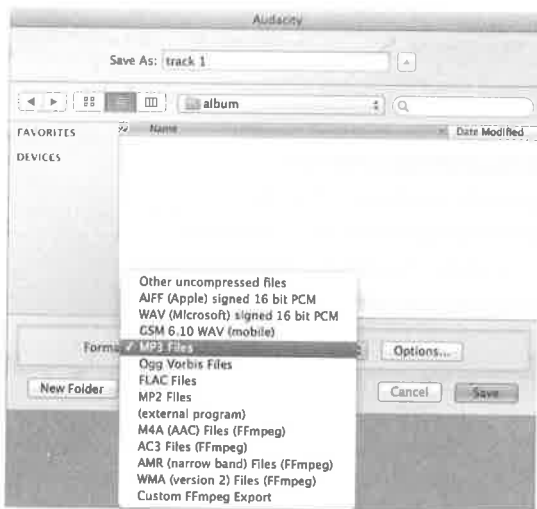
**NOTE:** You may visit the Audacity website at <http://audacity.sourceforge.net> for more detailed information and operation, etc.

1. To expose and save individually, click the "File" tab on the Audacity window then select "Export Section..."

To expose and save into one file, click the “File” tab on the Audacity window then select “Export”.



2. A window will pop up after clicking **Export**. It will default the **MP3 format**, but you also can select other formats. You only need to click the arrow located at the right of the **MP3 Files**.





3. Complete the "Save As" and Save-in location, click **Save** button. Then the Edit Metadata window appears. Complete the information if necessary then click **OK**. Wait for a few minute until it finishes the saving.

Use arrow keys (or RETURN key after editing) to navigate fields.

Tag	Value
Artist Name	
Track Title	
Album Title	
Track Number	
Year	
Genre	
Comments	

Add Remove Clear



Genres: Edit... Reset...


Template: Load... Save... Set Default

Cancel OK

## RECORDING OPERATION FROM CD

### To download music into computer

1. Press POWER button to turn the unit on.
2. Press CD button and press open/close button.
3. Place a disc on the CD tray with printer label facing up.
4. Press open/close button to close CD door and press PLAY button to start playing the CD.
5. Click the Record (  ) button to start recording. The waves (top and bottom) will show on the interface.
6. At end of CD/song, click Pause (  ) button on computer and press STOP button on CD.

Replace the CD or press SKIP button to select another desired song. Press PLAY button on CD to start playing the next song. Immediately press Pause (  ) button on computer and downloading will continue.

*NOTE: **Pause** button will not work during recording process if the 'Sound Activated Recording' in the Preferences Recording is selected. Clear the checkbox next to the 'Sound Activated Recording' if you want to pause recording manually.*

7. Repeat steps 5 and 6 until you have finished downloading.

**NOTE:** Do not click Stop button on computer while continuously downloading songs. Remember to click Pause in between your desired songs. Press Stop on computer only when all your desired songs have been downloaded. .

To divide, export and save the recorded music  
To MP3, WAV or Ogg refer from pages 62 to 65.

## RECORDING OPERATION FROM CASSETTE

### To download music into computer:

1. Press POWER button to turn the unit on.
2. Load the cassette tape into the unit, playback automatically begins.
3. Click the Record ( [●] ) button to start recording.  
The waves (top and bottom) will show on the interface.
4. At end of cassette, click Pause ( [⏸] ) button on computer and press EJECT button on the cassette, turn over or replace the cassette and load it to play. Immediately press Pause ( [⏸] ) button on computer and downloading will continue.

*NOTE: Pause button will not work during recording process if the 'Sound Activated Recording' in the Preferences Recording is selected. Clear the checkbox next to the 'Sound Activated Recording' if you want to pause recording manually.*




5. Repeat steps 3 and 4 until you have finished downloading.

**NOTE:** Do not click Stop button on computer while continuously downloading songs. Remember to click Pause in between your desired songs. Press Stop on computer only when all your desired songs have been downloaded. .

To divide, export and save the recorded music  
To MP3, WAV or Ogg refer from pages 62 to 65.

## RECORDING OPERATION FROM AUX IN

### To download music into computer

1. Press POWER button to turn the unit on and press AUX button.
2. Plug one end of the cable (included) into the AUX IN socket on the unit.
3. Plug the other end of the cable into the headphone or line out socket of external source.
4. Turn on the external source, adjust the volume level and press PLAY button to start playing.
5. Click the Record (  ) button to start recording.  
The waves (top and bottom) will show on the interface.
6. To skip to another song, click Pause (  ) button on computer and press STOP button on external source. Press skip button on the external source to select another desired song. Press PLAY button on the external source to start playing the next song. Immediately press Pause (  ) button on computer and downloading will continue.

*NOTE: **Pause** button will not work during recording process if the 'Sound Activated Recording' in the Preferences Recording is selected. Clear the checkbox next to the 'Sound Activated Recording' if you want to pause recording manually.*

7. Repeat steps 5 and 6 until you have finished downloading.

**NOTE:** Do not click Stop button on computer while continuously downloading songs. Remember to click Pause in between your desired songs. Press Stop on computer only when all your desired songs have been downloaded. .

To divide, export and save the recorded music  
To MP3, WAV or Ogg refer from pages 62 to 65.

## **COPYING THE MUSIC FILE TO AN MP3 PLAYER**

1. Connect MP3 player to your computer via USB cable.
2. Turn on your computer.
3. Double click on MY COMPUTER.
4. Locate the drive named REMOVABLE DISK or MP3 PLAYER - This is your MP3 player.
5. Double click the REMOVABLE DISK/MP3 PLAYER to open the folder. It will show all files currently on your player.
6. Next locate your music files on your computer. Most people store them in their MY MUSIC folder.
7. Once your music folder/MP3 file folder is open, click once to highlight the song you want to send to your MP3 player. One of the following steps will copy the MP3 file:
  - A. Right click on the highlighted song and a box will come up. Move cursor to SEND TO and another box will come up. If you have the option REMOVABLE DISK, click on it. This will send copy of MP3 file to MP3 player.
  - B. If you do not have REMOVABLE DISK listed, then click on COPY. Go back and repeat steps 3, 4 & 5 (above). Right click in the middle of the window and a box will open. Select PASTE and MP3 file will be sent to MP3 player.

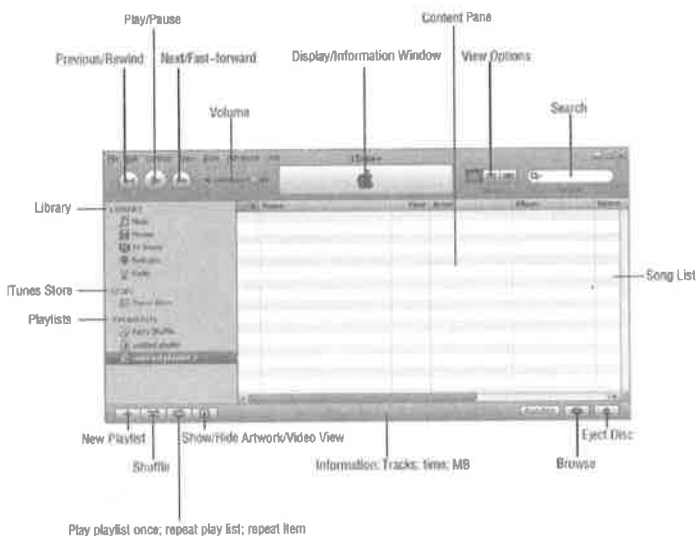
## LISTENING TO THE MUSIC ON IPOD

After exporting music for WAV, Ogg, MP3 formats, if you want to listen the music on your iPod, you must first install iTunes software into your computer. (iTunes is the music application you use with an iPod.) See instructions below on how to use iTunes to transform your music onto iPod.

### 1. Install iTunes

You can download the iTunes latest version on the internet. For iTunes 10.6.3.25 version, double click "iTunes Set Up" to install the software, then follow instructions below:

The iTunes Window



Example for iTunes 10.6.3.25 version: Double click iTunes Set Up to install the iTunes software and follow the screen instructions to complete the set up. It will open automatically. If not open iTunes interface.

### 2. View the iTunes version.

Click the "Help" on the iTunes window, then select "About iTunes".

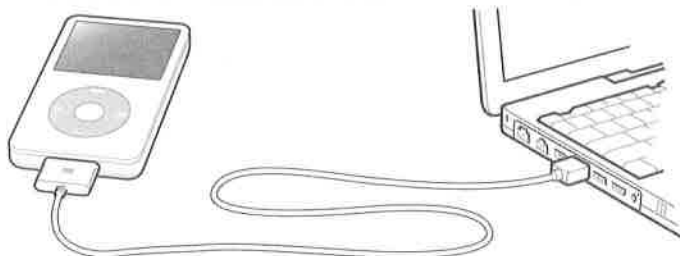


iTunes 10.6.3.25 version

Check your iTunes version to be sure it is the same as above (10.6.3.25).

3. Connect iPod to your computer.

Plug one end of iPod Cable Dock Connector into the USB port on your computer, and then connect the other end to iPod.



Click on iPod under "Devices", then select "Summary" to enter into interface below:

#### 4. Summary Interface



In the “Summary” interface, you can see the iPod information, including name, capacity, software version, sync function, etc. The “Sync” button is used to synchronize the iPod with the iTunes.

Click on “Music” to enter into interface below:

#### 5. Music Interface



In the “Music” interface, you can sync music in the iTunes. Even though there are many functions in this interface, only transforming music from iTunes into iPod will be explained in this manual.

#### 6. To add music that’s already on your computer to the iTunes:

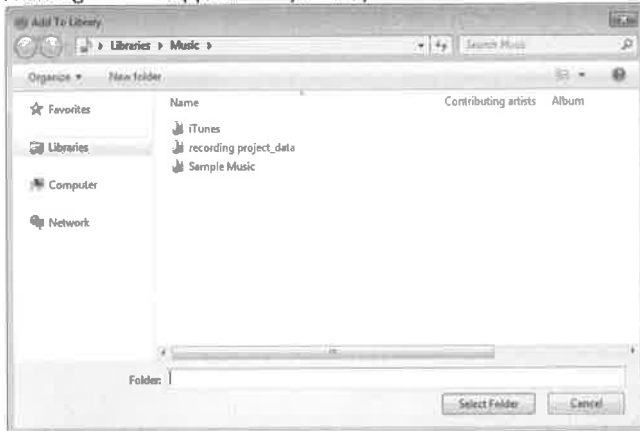
If you have music on your computer encoded in file formats that iTunes supports, you



can easily add the music to iTunes.  
Click the "File" tab, and select "Add folder to Library".

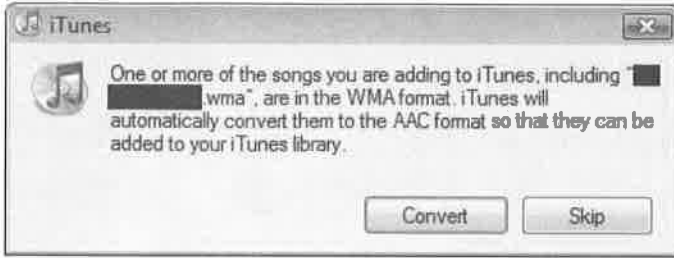


A dialog box will appear and you may select the Music file. Then click the "OK" button.

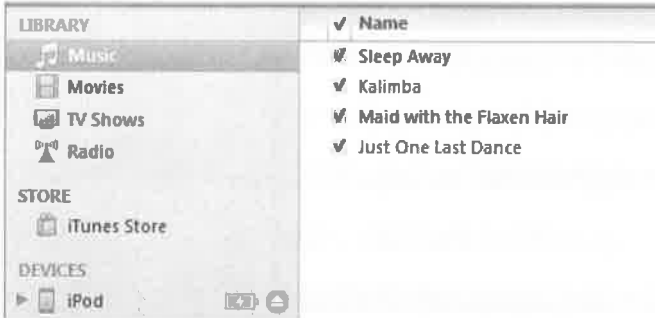


iTunes does not support WMA format, so if you have songs in WMA format in the music folder, after clicking "OK", above, another box appears to prompt you to convert the WMA format into AAC format. Click "Convert", another box with "Adding Files" appears to show the processing. Soon all the music files will be added to the list.

Note: If you click "Skip" button, those songs in WMA format will not be converted to iTunes.



If iTunes supports the song file format, the songs are automatically added to the iTunes library. You can also drag individual song files to iTunes.



Click on "Music" icon located on left side of the interface. You can see that all songs will list on the right of the iTunes (as above).

7. After inputting music, click "iPod" under the "Devices".



8. Click "Music" for music interface (below). Select "Sync music" if you have music in iPod already. A box will come up advising that all existing songs and play lists on the iPod Administrator will be removed. Click the "Sync" button to synchronize the music files in the iTunes to iPod.



9. After clicking "Sync" Apply, you can find the music in your iPod that has been transformed from the iTunes.

## GENERAL PROBLEMS FOR WINDOWS VERSION

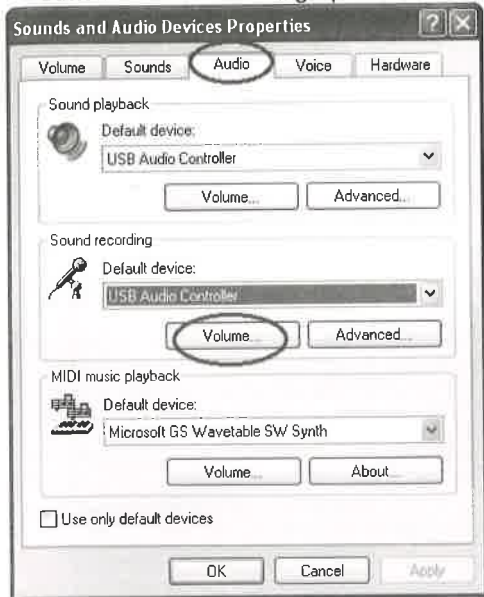
1. If you do not have the fluctuant wave on the interface during recording, or the recording sounds unsatisfied, adjust the recording volume as follows:
  - Click the **Start** in the left corner of the computer, select **Settings, Control Panel**.



- In Control Panel interface Find **Sounds and Audio Devices**. Double click the icon to enter **Sounds and Audio Devices Properties** interface.



- In Sounds and Audio Devices Properties interface Volume window will be seen. Select the **Audio** tab to reveal the settings. Under the Sound recording, USB Audio Controller should be selected. Click the **Volume...** button to set the recording input level. The WAVE IN window will appear.



- In WAVE IN interface Adjust the recording volume to about 50% as per illustrated below. The fluctuant wave will show on the interface when recording.



- When the turntable is connected, you may not hear any sound if you need to listen to video or music. It is because the default playback device has been changed to USB Audio Controller once the turntable connects to the PC.

**Recommended:** Remove the USB cable from the PC.

**Alternative:** This solution requires you to change the setting manually every time you connect the USB cable with the PC.

Change the setting as follows:

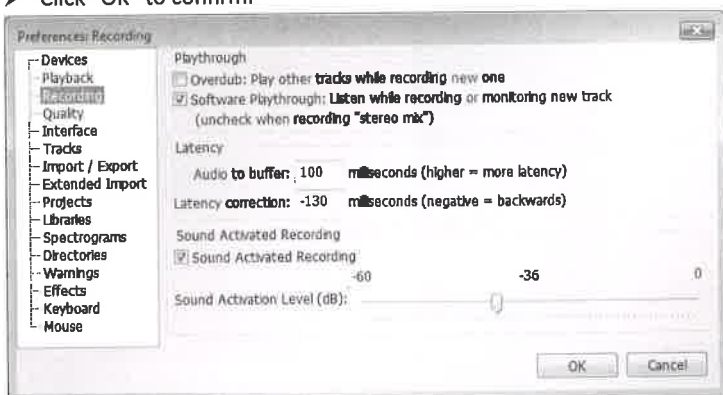
- For Vista and Windows 7 users:  
Click "Start" and go to the Control Panel. Find and click "Sound" icon. Sound window will be opened and the "Playback" window will be seen. You will see the Speaker USB Audio Controller is set default. To make sounds back, click a playback device (e.g., Speaker High Definition Audio), then click "Set Default". And click OK. Then the sound should come out.



- For Other Windows versions users (e.g.: Windows XP):  
You may click "Start" and find "Settings", "Control Panel". In the Control Panel window, find and double click into "Sounds and Audio Devices". In the Sounds and Audio Devices Properties window, Volume window will be seen. Click the "Audio" tab to reveal the settings. Then under the Sound playback section, you will see USB Audio Controller is selected.  
To make sounds back, click the pull-down arrow and select your inbuilt sound device or sound card by name as the playback device (e.g., Realtek) and click OK. Then the sound should come out.



3. If you want to hear the music while downloading to the computer, go to the Audacity interface.
  - Click **Edit** and select "Preference".
  - Click 'Recording' on the left side, you will see the detail contents on the right side.
  - Click the checkbox beside 'Software Playthrough: Listen while recording or monitoring new track'.
  - Click "OK" to confirm.

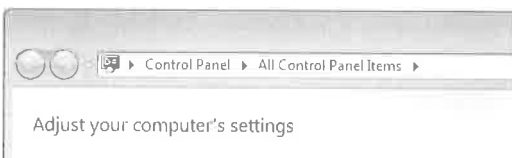
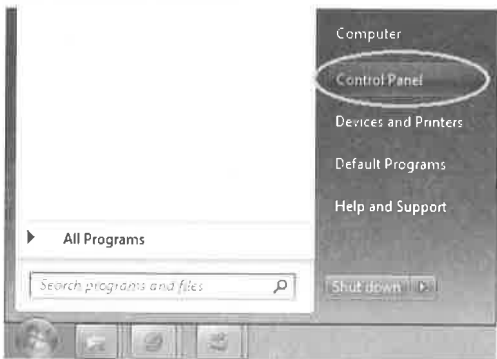


- For more information please see 'Set up Audacity to record from the turntable' in website below:  
[http://wiki.audacityteam.org/index.php?title=USB turntables#Set up Audacity to record from the turntable](http://wiki.audacityteam.org/index.php?title=USB_turntables#Set_up_Audacity_to_record_from_the_turntable)

## ADJUSTMENT FOR WINDOWS 7 AND SOME VISTA SYSTEMS ONLY

If do not have the fluctuant wave on the Audacity interface or the sound is low or distorted during recording, adjust the recording level as follows:

1. Click on **Start** to open & select the **Control Panel**. Click **All Control Panel Items** to access your computer settings:



2. Click on the **Sound** icon.





3. Sound window will open and the Playback tab should appear. Click on the **Recording** tab:



4. If the **USB cord is properly connected** you shall see these selection options:  
Select **Microphone Speakers USB Audio Controller** and click **OK**:



**NOTE:** If the **USB cord is NOT properly connected** the **USB Audio Controller Default Device** selection will not appear. In this case, reboot your computer with the USB cable connected.

5. Highlight the **Microphone USB Audio Controller** then click the Properties button. Microphone Properties window will open:



6. Select the **Levels** tab and adjust the Microphone recording level by sliding the indication to 21:



You may notice the level does not exceed "0" on the **Input Level Indicator** (marked with a square) in the Audacity Control Panel.



Adjust the level accordingly, click **OK** to close the **Microphone Properties** window and click **OK** to close the Sound window. You may now open the **Audacity** software program to begin recording to your PC.

- For more information on Windows Vista:  
[http://wiki.audacityteam.org/wiki/Windows\\_Vista\\_OS](http://wiki.audacityteam.org/wiki/Windows_Vista_OS)
- For more information on Windows 7:  
[http://wiki.audacityteam.org/wiki/Windows\\_7\\_OS](http://wiki.audacityteam.org/wiki/Windows_7_OS)

## TROUBLESHOOTING GUIDE

### Software Section

In case of trouble with the unit, please look through the problems below and see if you can solve them yourself before calling your dealer.

#### NO SOUND:

- If you are not getting any sound into the software application, go back to the preferences as shown above and make sure you have selected the USB input for the recording device.
- Power Cycle: Close Audacity, turn off the turntable, unplug the USB Cable. Then plug in the USB Cable, turn on the turntable, and reopen Audacity.
- If you are not able to hear any audio as you play the record, please click on the microphone drop-down arrow and select Monitor Input. This will enable you to hear the audio from the turntable, even if you have not record-enabled the Audacity application.



- If you are not seeing the microphone slider, please go to the Preferences menu in Audacity. Click on the Interface tab and make sure that the Enable Mixer Toolbar and Enable Meter Toolbar options are checked. If they are not, Please check them and then press OK.
- Check the microphone slider to make sure that it is at full volume, all the way to the right as shown in below. If you find the recording sounds low or distorted, adjust the microphone slider. If you are not seeing the microphone slider, please go to the Preferences menu in Audacity, click on the Interface tab and make sure that the Enable Mixer Toolbar and Enable Meter Toolbar options are checked. If they are not, please check them and then press OK.



#### UNSATISFIED SOUND Quality:

- Check your stylus to make sure it is secured to the tone arm. The stylus must be connected to the tone arm whenever using the turntable.
- Make sure that your RCA plugs are plugged into a source or not touching bare metal. If you are experiencing noise through the USB, you may have interference from the RCA plugs. Be sure the USB cable is not touching or near any other cables.
- If you experience any odd sounds coming from the recording, try closing all applications, restarting the computer, and only run Audacity while recording.
- Make sure that you have properly installed and calibrated the tone arm of the turntable.

#### UNSATISFIED SOUND QUALITY ON RECORDING:

- Set the record level to 00 position to make sure the L+R indicator does not exceed OVER.
- Set the record level to 00 position, then adjust the volume level on the aux source to make sure the L+R indicator does not exceed OVER.



DO NOT EXCEED  
"OVER"

- Due to the various brands of CD-RW, certain brands of new CD-RWs may not fully compatible on this machine. Try to use CD-Rs/CD-RWs in such lower speed (1x ~ 4x speed) for recording.

## BASIC FUNCTION SECTION

	Problem	Cause	Solution
THE WHOLE UNIT	Power does not come on when the power switch is pressed.	Unit is unplugged.	Connect the unit to the AC power supply.
	It crashes down or fails to respond.	It might be affected by external factors such as ESD (Electro-static discharge).	Unplug the power cord, remove the US cable and AUX IX cable if connected, then re-plug the power cord after one minute.
TAPE DECK	The tape does not move.	The cassette tape is not inserted properly.	Insert the cassette tape correctly.
	No sound when downloading into computer. The sound is distorted or faint when downloading into computer.	The tape heads are dirty.	Clean the tape heads.
CD PLAYER	CD stops immediately after starting, or unit pauses or stops during play.	The CD is inserted upside down. The CD is dusty or dirty or there is condensation on the CD.	Insert the CD with the printed side right-side up. Carefully clean and dry the CD.
	No sound when downloading into computer.	The CD player is paused.	Press the PLAY/PAUSE button.
	Specific CD is noisy, or playback stops or skips.	The CD is scratched, damaged or warped. The disc is very dirty.	The CD should be changed. Carefully clean the CD.
	Can't record or show <b>NO DISC</b> on the display.	The CD-RW has recorded.	Erase the contents of the CD-RW.
	The tray could not open normally after used for a long time.	The mechanism is aged.	Use a flashlight to lighten the bottom of the CD door aperture to find the eject groove that looks like a button near a column (or just a single button-like groove). Then use a slim stiffened bar such as a steel wire to push the button-like groove. Pull out the ejected tray thoroughly with hands.
PHONOGRAPH	The sound is noisy when downloading into computer.	The stylus (needle) is not placed in the middle center.	Place the stylus (needle) in the middle center.
		The stylus (needle) is damaged.	Replace the stylus (needle) with a new one.

## SPECIFICATIONS

### CD PLAYER SECTION

Frequency Response 60 to 20,000 Hz +/- 4 dB  
Signal-to-Noise Ratio 55 dB (IEC-A)

### CASSETTE DECK SECTION

Track System 4 Track, 2 channels stereo  
Tape Speed 4.8 cm/sec  
Wow and Flutter 0.4% (WRMS)  
Frequency Response 125 to 6300 Hz

### PHONOGRAPH SECTION

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 Moving magnetic cartridge  
Stylus CN-234

### GENERAL SECTION

Power Requirements 120V~ 60Hz  
Power Consumption 19 W  
Dimensions (L x D x H) 20.1"x12.2"x13.6" (approx.)  
Weight 29.1lbs. (approx.)  
Standard Accessories Operating Instruction Booklet,  
45 rpm Adapter,  
CD Disc (Audacity Software Drive),  
USB cable,  
RCA AUX IN Cable,  
Balance Weight,  
Remote Control.

*For continuous improvement, specifications and manual are subject to change without prior notice.*