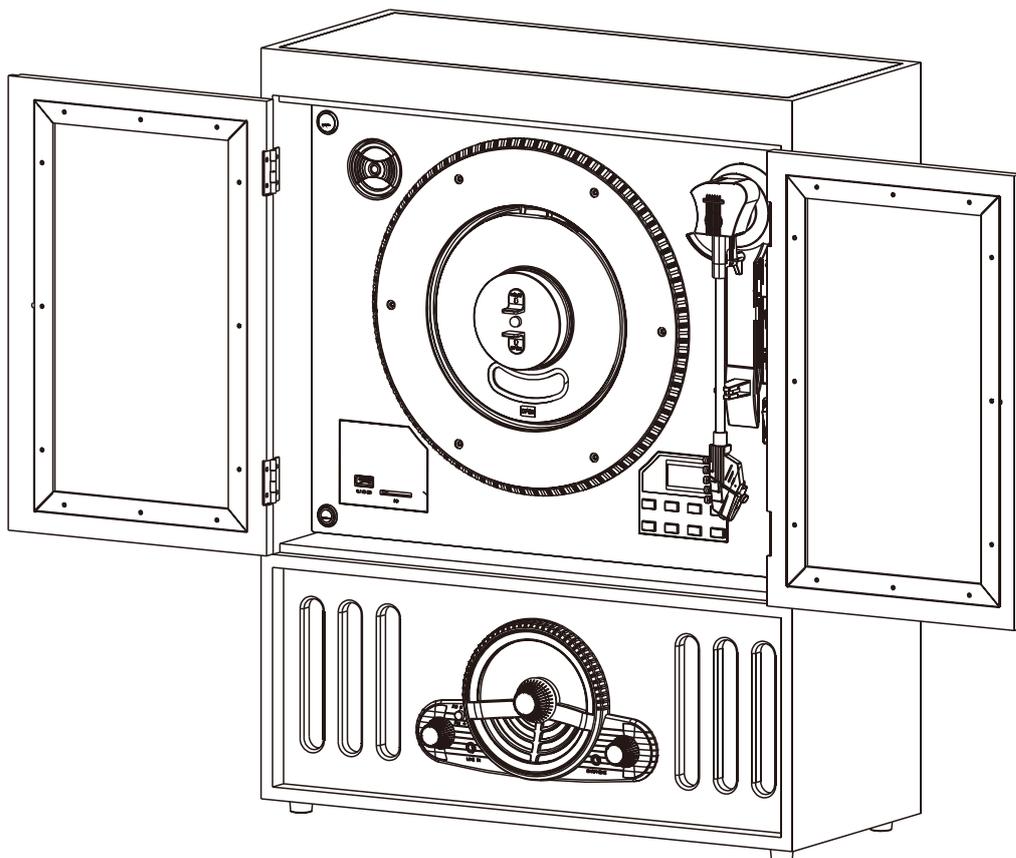
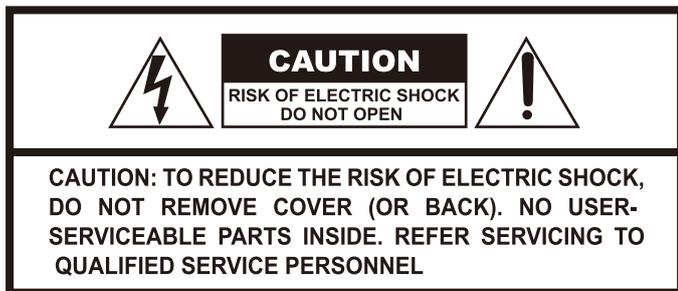


# NR600

## HI-FI STEREO SYSTEM

WITH TURNTABLE, AM/FM RADIO  
USB ENCODER, SD/MMC, CD/MP3 PLAYER





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



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



**WARNING : TO PREVENT FIRE OR SHOCK HAZARD,DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

#### CAUTION

1. DO NOT REMOVE THE EXTERNAL CASES OR CABINETS TO EXPOSE THE ELECTRONICS. NO USER SERVICEABLE PARTS ARE WITHIN!
2. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

#### CAUTION

The product shall not be exposed to dripping or splashing and that no object filled with liquids, such as vases, shall be placed on the product.

Do not install this equipment in a confined space such as a book case or similar unit.

## Contents

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**NOTE:**The unit works vertically only. Do not play it horizontally. It could damage the vinyl discs. It can be placed or hung on the wall.

## Before Using the Unit

- As the unit may become warm during operation, always leave sufficient space around the unit for ventilation.
- The voltage supplied to the unit should match the voltage as printed on the rear panel. If you are in any doubt regarding this matter consult an electrician.
- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.
- Do not place the unit on an amplifier/receiver.
- 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 unit, contact your dealer or service company.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank the cord.
- To keep the laser pickup clean, do not touch it and always close the disc tray.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- Keep this manual in a safe place for future reference.

### DO NOT MOVE THE UNIT DURING PLAYBACK

During playback, the disc rotates at high speed. Do NOT lift or move the unit during playback. Doing so may damage the disc or the unit.

### WHEN MOVING THIS UNIT

When changing the unit's location or packing the unit for moving, be sure to remove the record or disc. Moving this unit with the record or disc loaded may result in damage to this unit. If the unit is to be packed and moved a great distance, it is also advisable to tighten the turntable transport locking screw. See Page 9 for instructions.

**Discs which can be played on this unit:**

- Conventional audio CDs bearing the CD-DA logo on the label:



- Properly finalized CD-R and CD-RW discs

- Always place the disc on the disc tray with the label side up.
- To remove 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

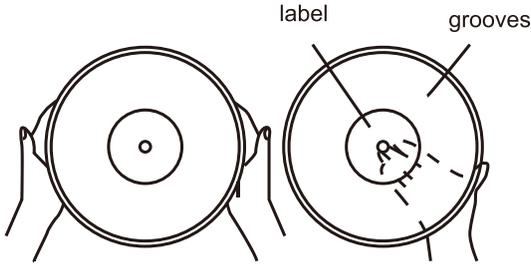
- Should the disc become dirty, wipe the surface radially (from the center hole outward towards the outer edge) with a soft, dry cloth:



- Never use such chemicals as record sprays, antistatic sprays or fluid, benzine 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 pickup to "skip."
- Do not expose discs to direct sunlight or high humidity and temperature for extended periods. Long exposure to high temperatures will warp the disc.
- Do not play any disc that is warped, deformed or damaged. Playing such discs may cause irreparable harm to the playing mechanisms.
- CD-R and CD-RW discs are more sensitive to the effects of heat and ultraviolet rays than ordinary CDs. It is important that they are not stored in a location where direct sunlight will fall on them and away from sources of heat such as radiators or heat-generating electrical devices.
- Do not stick papers or protective sheets on the discs and do not use any protective coating spray.

# Handling Records

- Do not touch the record's grooves. Only handle records, by the edges or the label. Make sure your hands are clean. Skin oils from even clean hands can leave a residue on the record surface that will gradually deteriorate the quality of your record.



- Keep your records away from dust. Keep them in a cool, dry place.
- To avoid dust and scratches, keep records in their sleeves and jackets when not in use.
- Do not expose records to direct sunlight or high humidity and temperature. Long exposure to high temperatures will warp the record.
- Should the record become dirty, gently wipe the surface in a circular motion, using a soft anti-static cloth.



## How to Replace the Stylus

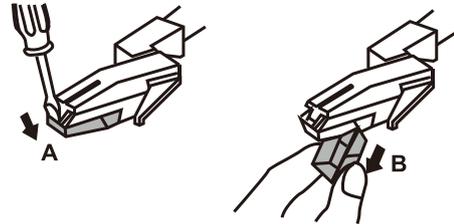
The stylus should last after many hours under normal use. However, it is recommended that the stylus be replaced as soon as you notice a change in sound quality. Prolonged use of a worn-out stylus may damage the record. Wear and tear on the stylus will be accelerated when playing 78 RPM records. The higher speed of 78 RPM records can wear the stylus more quickly.

### Caution;

- Do not remove or bend the stylus.
- .
- To avoid injury, do not touch the needle.
- .
- Turn off the unit's power before you replace the stylus.
- Keep out of the reach of children.
- Handle with care, as the stylus is delicate. Use of a bent or broken stylus may damage the record and cause the turntable to malfunction.
- Do not expose Stylus to extreme heat.

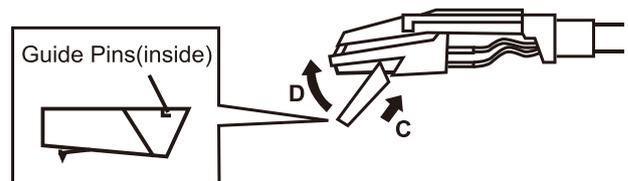
### Removing an old stylus

1. Set a screwdriver at the tip of the stylus and push down to the direction "A".
2. Pull the stylus out toward direction "B".

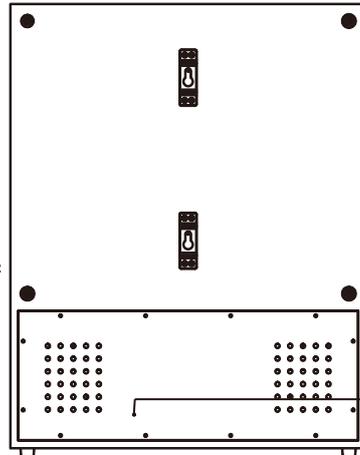


### Installing a new stylus

1. Hold the tip of the stylus and insert the other edge by pressing toward direction "C".
2. Push the stylus up toward direction "D" until it locks at the tip.

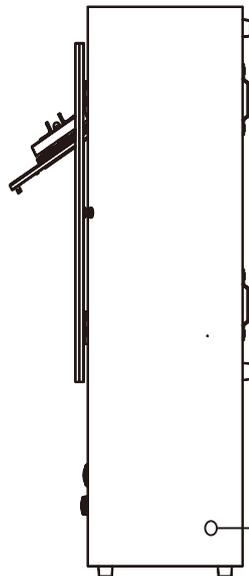


## Connections



### FM antenna

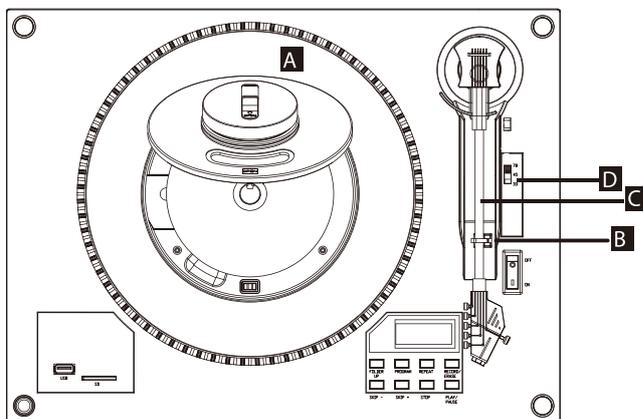
While in FM mode, tune in an FM station and extend the lead to find a position for the best reception. This antenna may need to be repositioned if you move your unit to a new location.



### DC In

Plug the power adaptor into the DC in socket.  
(Adaptor was included)

## Parts of the Turntable

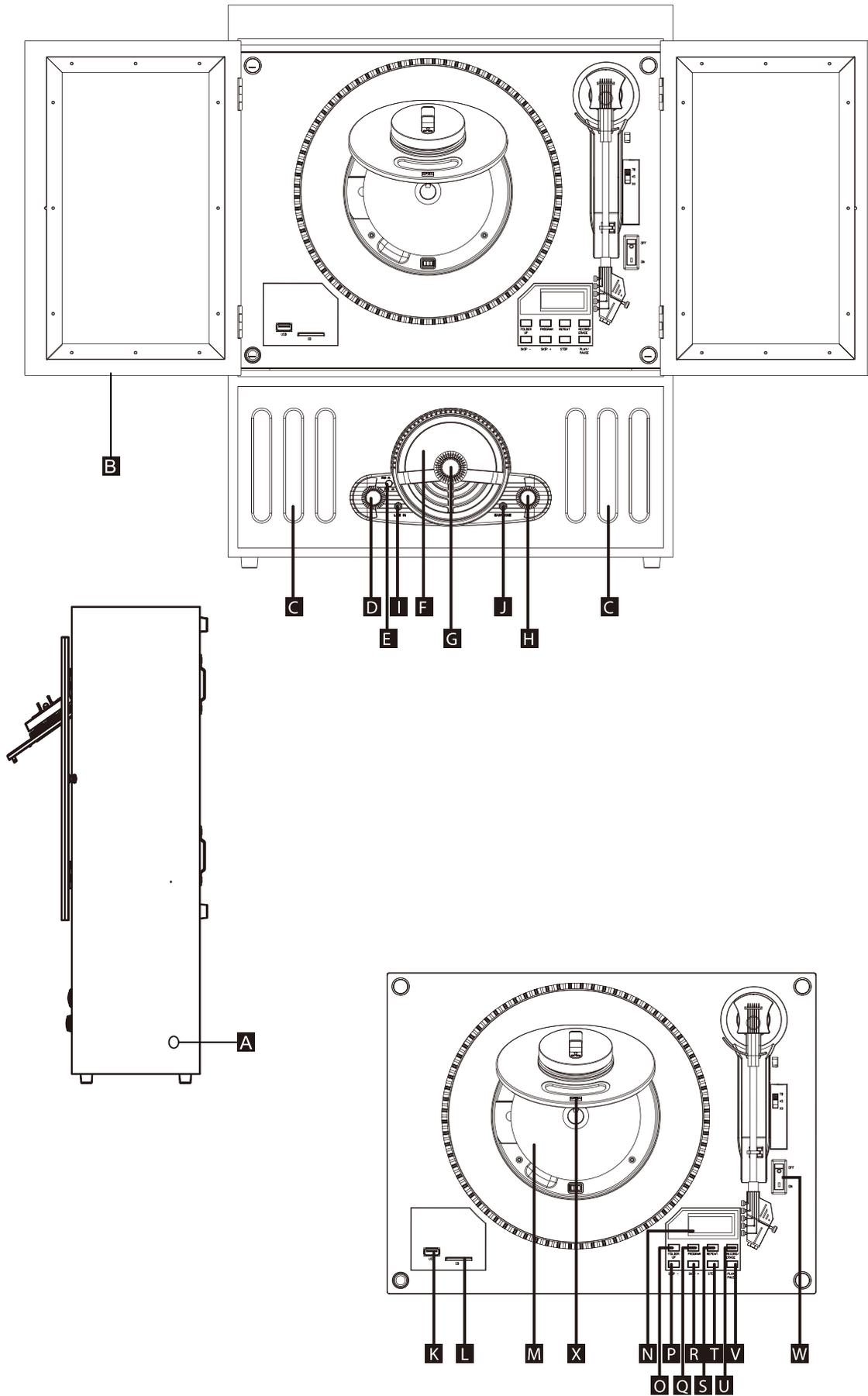


Before use, detach the stylus guard (white plastic cover) by pulling it straight off the front of the cartridge in the direction of the arrow.



- A** turntable
- B** tone arm holder
- C** tone arm
- D** speed selector

# Unit Functions



**A DC In**

**B Dust Window**

**C Speakers (stereo)**

**D CD/USB-SD/AUX-PH/TUNER/knob**

Turn the knob to CD to play a CD



Turn the knob to USB-SD to play the music from USB or SD



Turn the knob to AUX-PH to play a audio device or a record



Turn the knob to TUNER to listen to radio



**E AM/FM knob**

PUSH this button to select FM or AM mode

**F TUNING Display Panel**

**G TUNING knob**

**H VOLUME knob**

Turn the knob clockwise and counterclockwise to adjust the volume

**I LINE -IN slot**

**J PHONES (EARPHONE jack)**

**K USB slot**

**L SD slot**

**M CD tray**

**N LCD display**

When the unit is on, this display will light.

**O FOLDER UP button**

**P SKIP- button**

**Q PROGRAM button**

**R SKIP+ button**

**S REPEAT button**

**T STOP button**

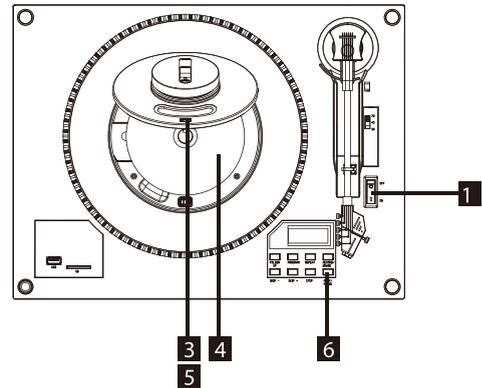
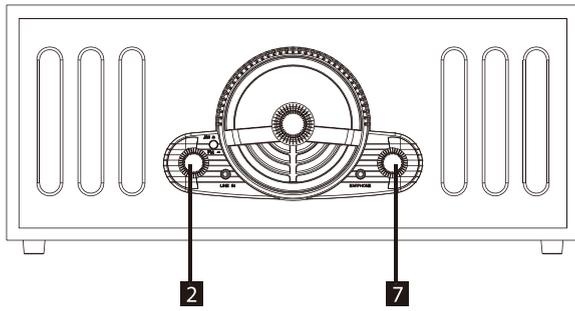
**U RECORD/ERASE button**

**V PLAY/PAUSE button**

**W ON/OFF button**

**X CD OPEN/CLOSE button**

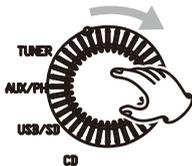
## Listening to a CD



**1** PUSH the POWER button to turn the unit “on/off”



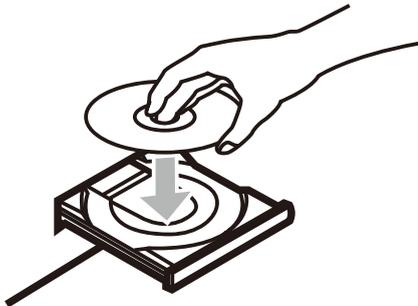
**2** Set the function knob (CD/USB-SD/AUX-PH/TUNER/) to the CD in position.



**3** Press the OPEN/CLOSE button.



**4** 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.

**5** Close the CD door.

total number of tracks



total number of tracks



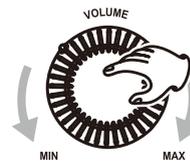
If you play CD Several seconds later the total number of tracks and total playing time will appear on the display.

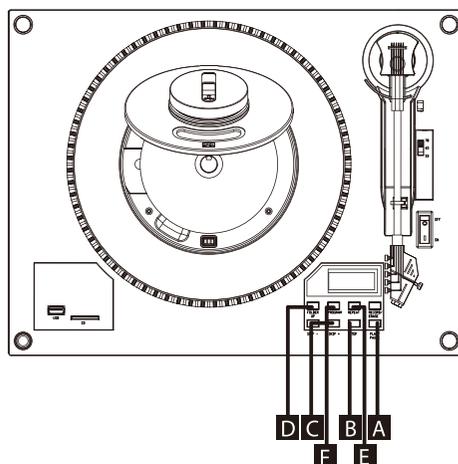
If you play MP3 disc, several seconds later the total number of folders and total Number of tracks will appear on the display.

**6** Press the PLAY/PAUSE button play to start playback.



**7** Turn the VOLUME knob to adjust the volume.





### A To suspend playback temporarily (pause mode)



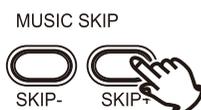
Press the PLAY/PAUSE button during playback. playback stops at the current position, and the track number blinks in the display. To resume play back, press the PLAY/PAUSE button again.

### B To stop playback



Press the STOP button to stop playback.

### C To skip to the next or a previous track



During playback. repeatedly press the SKIP button (skip- or skip+) until the desired track is found. The selected track will be played from the beginning.

In the stop mode, press the SKIP-/SKIP+ button (skip- or skip+ ) repeatedly until the track you want to listen to is found. Press the PLAY/PAUSE button within 5seconds to start playback from the selected track.

- When the skip- button is pressed during playback. the track being played will restart from the beginning. To return to the beginning of the previous track. press the skip+ button twice.

### C Search for a part of a track



During playback. hold down the MUSIC SKIP button (skip- or skip+) and release it when the part you want to listen to is found.

### D Search for a folder of a disc

If you play a usb/sd/disc with folders press this to Choose the folder you want



### E REPEAT Function If the USB/SD/disc has no folder

Press "REPEAT" button once to repeat one single track. Press " REPEAT" button one more time to repeat all tracks. Press "REPEAT" button three times to cancel the random function.

### If the disc/USB/SD has folder

Press "REPEAT" button once to repeat one single track. Press " REPEAT" button one more time to repeat the currently playing folder Press "REPEAT" button three times to repeat all tracks of the disc. Press "REPEAT" button four times to cancel the random function.



NOTE: THE NEEDLE HAS NO GUARANTEE AS PART SUBJECT TO CONSUMPTION FOR THE USE.

## F Program Function

### In stop mode,

If the USB/SD/Disc has no folders, press the PROGRAM button, the display will show "MEMORY" and blinking "P01". Press the skip- or skip+ button to select your ideal track and press the PROGRAM button again to save the track.

If you want to save another track. repeat the above steps

This unit can program up to 20 tracks

To playback the programmed track, press the PLAY/PAUSE button. Press the STOP button one time to stop the playback. Press the STOP button one more time to erase the programmed track, and the "MEMORY" will disappear on the display.

If turn off the power of the unit, or set the function knob to other modes (USB-SD/AUX-PH/TUNER/TAPE). the programmed tracks will be automatically erased.

### If the USB/SD/Disc has folders,

press the PROGRAM button, the display will show "MEMORY" and blinking "P01". Press the SKIP- or SKIP+ button to select your ideal folder and press the PROGRAM button again to save the folder. Then "P01" will blink again. Press the SKIP- or SKIP+ button to select your ideal track and press the PROGRAM button once more to save the track. You can repeat the above steps to select all your ideal tracks.

This unit can program up to 20 tracks.

To playback the programmed track, press the PLAY/PAUSE button. Press the STOP button one time to stop the playback. Press the STOP button one more time to erase the programmed track. and the "MEMORY" will disappear on the display.

If turn off the power of the unit or set the function knob to other modes (USB-SD/AUX-PH/TUNER/TAPE). the programmed tracks will be automatically erased.



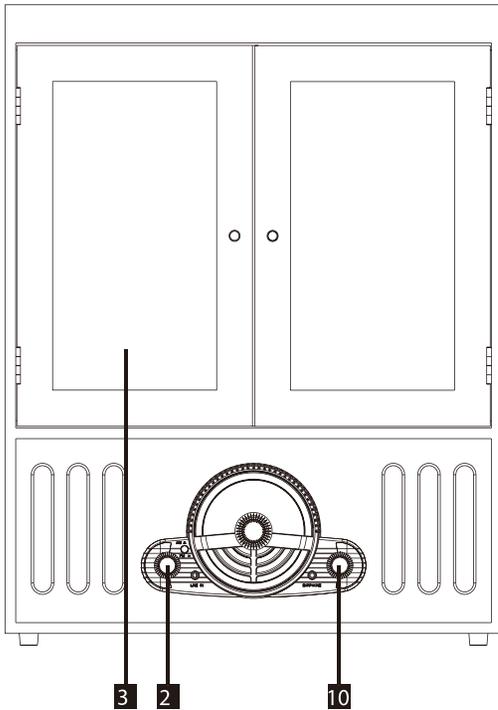
## PLAYING AUX-IN

Press the power button to turn the unit "on"

Set the function knob ( CD/USB-SD/AUX-PH/TUNER/TAPE ) to the AU in position. Connect AUX-IN cord into the AUX-in jack to play the external source, such as CD player, cassette tape deck, "MP3" etc...



# Listening to a Record

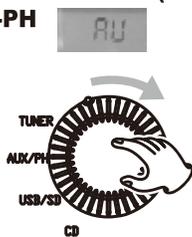


Detach the stylus guard (white plastic cover)

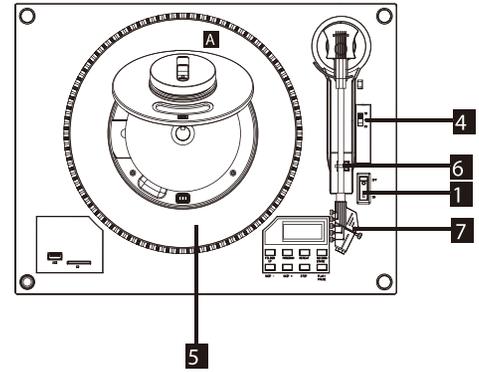
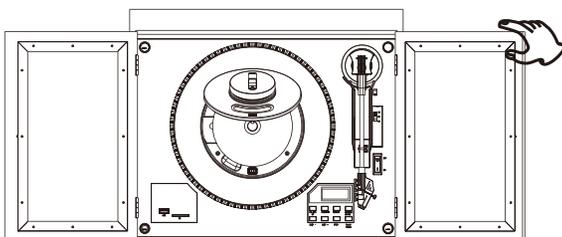
**1** PUSH the POWER button to "on"



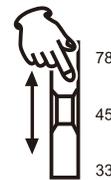
**2** Set the function knob (CD/USB-SD/AUX-PH/TUNER/) to the AUX-PH



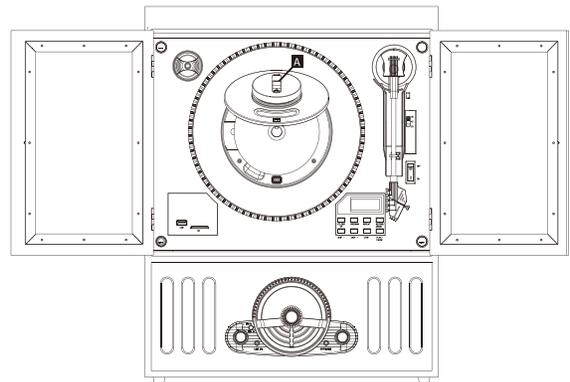
**3** Gently open the dust cover.



**4** Select the speed.

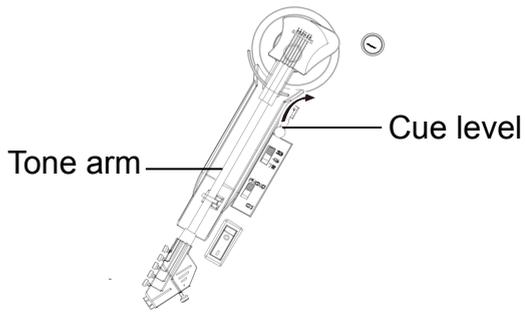


**5** Put the record on the turntable. 45RPM adaptor is built in the top turntable fixer (A).



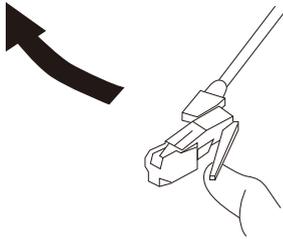
For the 45RPM, center carefully with the help of the 3 small teeth on the blade fixing centering.

- 6 Unlock the tone arm off the tone arm support.

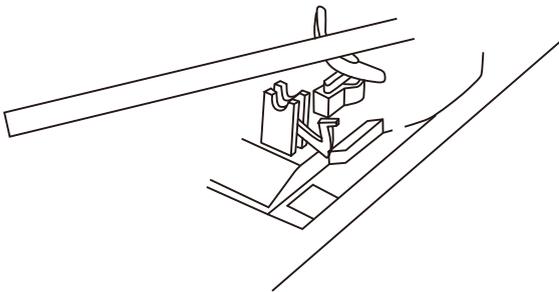


- 7 Move the tone arm gently to the edge of the record (or the starting point of a track).

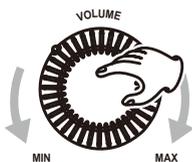
The turntable will begin to turn. Please make sure the stylus is well fixed.



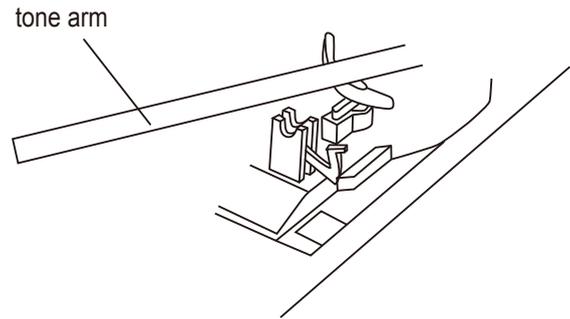
- 8 Gently lower the tone arm.



- 9 Turn the VOLUME knob to adjust the volume.

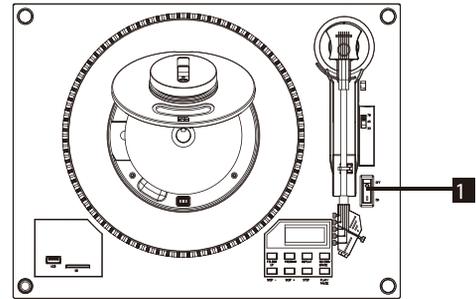
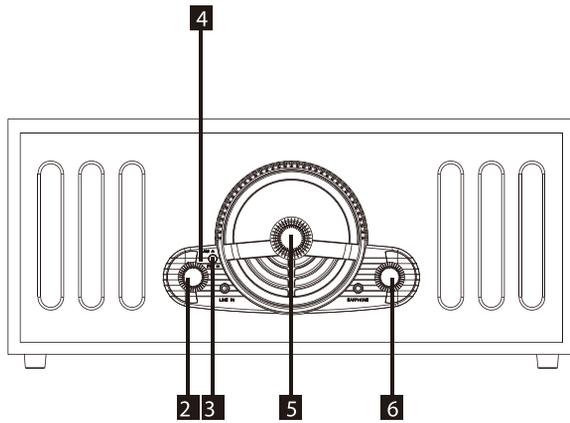


When the tone arm reaches the end of the record it will automatically stop, please bring the tone arm to the hold manually.



- Playing records with the dust cover down will prevent dust from settling on the turntable.

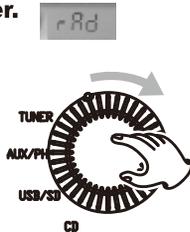
# Listening to the Radio



**1** PUSH the power button to turn the unit 'on'



**2** Set the function knob (CD/ USB-SD/ AUX-PH/TUNER ) to the Tuner.



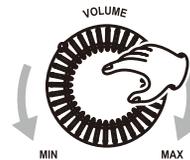
**3** Select AM or FM using this button.



**4** Select FM. the LED light of FM will 'on' if the signal is strong.

**5** Turn the tuning knob to tune in a station.

**5** Turn the VOLUME knob to adjust the volume.



## If the reception is poor

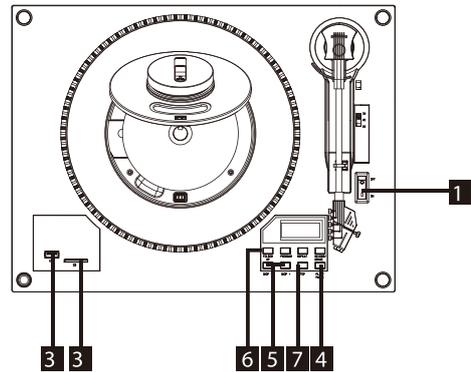
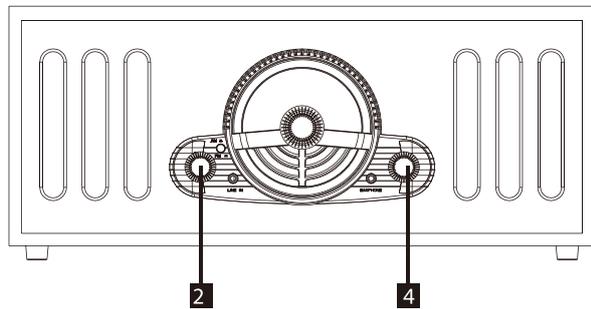
### AM broadcast

Turn around the unit to find the best position for AM stations.

### FM broadcast

Extend and turn around the FM antenna so that you can receive the stations clearly.

## Listening to a USB disk or SD card

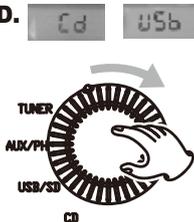


### USB and SD playing

- 1** PUSH the power button to 'on'.



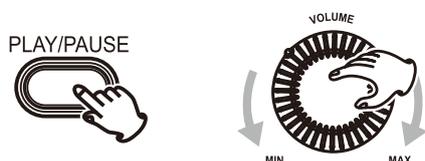
- 2** Set the function knob (CD /USB-SD /AUX-PH / TUNER) to the USB / SD.



- 3** Insert USB disk or SD card into slot. --- --- After 1 second,the LCD will display the total folder and tracks.

If no USB disk or SD card. 'NO' will show on the display.

- 4** Press 'PLAY / PAUSE' to start music playback. Turn the volume knob to adjust to volume.



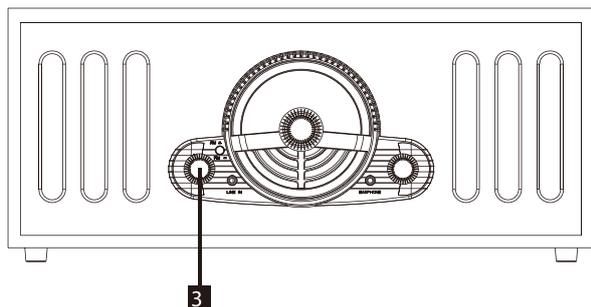
- 5** Press the SKIP-/SKIP+ once or repeatedly until the desired track number appears on the display.Playback will begin automatically.

- 6** You can press V/A USB/ SD/ MP3 DISC FOLDER button to choose the desired folder.

- 7** Press STOP to stop playback

To pause the music. press PLAY/ PAUSE. press it again to resume play. If USB disk and SD Card both in the port, please long press 'PLAY/ PAUSE' button to choose the playing of USB disk or SD Card.

## USB and SD RECORDING

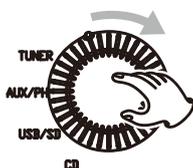


### Recording AUX Record/ Radio to USB/SD

- 1** PUSH the POWER button to turn the unit on.



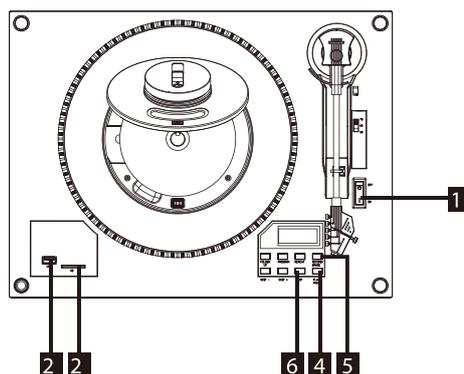
- 2** Insert USB device or SD card to the disk.
- 3** Set the function knob (CD / USB-SD/AUX-PH/TUNER ) to the AUX-PH/TUNER in position.



- 4** Start playback of the record/radio at the point you want to start recording.
- 5** Press the RECORD/ERASE button one time to start recording .and ONE will blink on the display , press SKIP-/SKIP+ button choose the ONE/ALL (Single/ALL play) Again Press the RECORD/ERASE button one time to choose the USB/SD.

Press the RECORD/ERASE button one more time to confirm, and the recording process starts.

- 6** Press the STOP button to stop the recording process. and "END REC" will appear on the display.

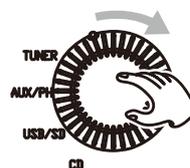


### Recording CD/MP3/WMA to USB/SD

- 1** 1) PUSH the POWER button to turn the unit on.

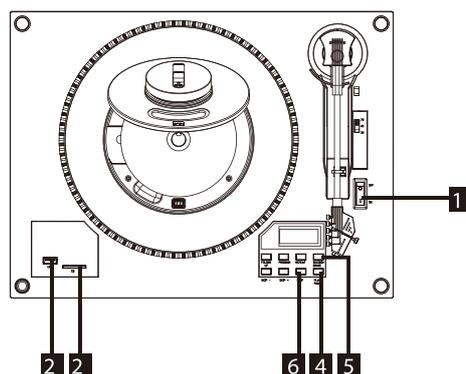
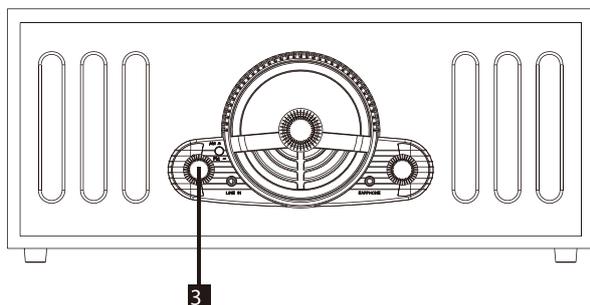


- 2** Insert USB device or SD card to the unit.
- 3** Set the function knob (CD/USB-SD/AUX-PH/TUNER ) to the CD in position.



- 4** Start playback of the CD/MP3/WMA at the point you want to start recording.
- 5** Press the RECORD/ERASE button to start recording.  
After selecting recording content, press the RECORD/ERASE button to confirm, and the recording process starts.

## USB and SD RECORDING



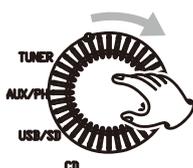
### Recording USB to SD or SD to USB

- 1** PUSH the **POWER** button to turn the unit on.



- 2** Insert **USB** device and **SD** card to the unit.

- 3** Set the function knob (**CD/USB - SD/AUX-PH/TUNER**) to the **USB/SD** in position.



- 4** Start playback of the **USB/SD** at the point you want to start recording.

- 5** Press the **RECORD/ERASE** button to start recording.

If the USB/SD has no folder, press the **SKIP-/SKIP+** button to select the content you want to record (the currently playing track or all tracks)

If the USB/SD has folder, press the **SKIP-/SKIP+** button to select the content you want to record (the currently playing track, or tracks in the currently selected folder or all tracks)

- 6** Press the **STOP** button to stop the recording process, and **"END REC"** will be shown on the display.

### Deleting MP3/WMA tracks on the USB disk or SD card

- 1** PUSH the **POWER** button to turn the unit on.



- 2** Insert **USB** device or **SD** card to the unit.

- 3** Set the function knob (**CD/USB - SD/AUX-PH/TUNER**) to the **USB/SD** in position.



- 4** Select the track you would like to delete, and begin the playback.

- 5** Press and hold the **"RECOAD/ERASE"** button for approximately two seconds, and **"DEL ONE"** will blink on the display.

- 6** To erase the whole folder or all the files, select **"FOLD"** or **"ALL"**, using **SKIP+/-** buttons and confirm with **REC/ERASE** button. To cancel the operation, press **"STOP"** button.

## Troubleshooting

If you experience any problems with the unit, please take a moment to look through this chart and see if you can solve the problem yourself before you call your dealer.

### No power

- Check the connection to the AC power source. Check and make sure the AC source is not a switched outlet and if it is, the switch is turned on. Make sure there is power to the AC outlet by plugging another item such as a lamp or fan.

### No sound.

- Adjust the volume,

### The sound is noisy.

- The unit is too close to a TV set or similar appliances. Relocate the unit further away from them, or turn the other appliances off.

### Tuner

#### Cannot listen to any station. or signal is too weak.

- Tune in the station properly.
- If a TV is near the unit, turn it off.
- Rotate the unit or antenna wire for the best reception position.

### Record Player

#### Will not play.

- Turn the VOLUME knob clockwise, and turn the function to AUX/PH mode
- Loosen the screw, and detach the stylus guard. (The stylus guard is a white plastic cover that protects the stylus during transportation. Failing to remove this guard will not allow the needle to contact the grooves of the record and no sound will be heard!)
- If the stylus is worn-out, change the stylus.
- Select the correct playback speed.

#### Sound skips.

- Place the unit on a stable surface to avoid vibration and shock. Make sure the unit is level both front to back and side to side.
- Clean the surface of the record/disc.
- Don't use scratched, damaged or warped records/discs.

### CD Player

#### Will not play.

- Turn the VOLUME knob clockwise, and turn the function to CD mode
- Load a disc with the playback side facing down.
- If the disc is dirty, clean the surface of the disc.
- A blank disc has been loaded. Load a prerecorded disc.
- Depending on the disc, etc. it may not be possible to play back CD-R/CD-RW discs, Try again with another disc,
- You cannot play back unfinalized CD-R/CD-RW discs. Finalize such a disc in a CD recorder and try again.

### USB/SD Player

#### Will not play

- Some USB flash drives and SD cards may not be compatible with this unit.
- Pls check the specification on the last page of this manual .

**If normal operation cannot be obtained, unplug the power cord from the outlet and plug it again.**

### Beware of condensation

When the unit (or a record/disc) is moved from a cold to a warm place. or used after a sudden temperature change, there is the danger of condensation; vapor in the air could condense on the internal mechanism, making correct operation erratic or impossible. To prevent this, or if this occurs, leave the unit turned on for one or two hours.

### Maintenance

Always keep the turntable clean.

If the surface of the unit gets dirty, wipe with a soft cloth or use a diluted mild liquid soap. Be sure to remove any excess liquid completely. Do not use thinner, benzine or alcohol as they may damage the surface of the unit. Allow the surface of the unit to dry completely before using.

## Specifications

### Amplifier section

Output Power..... 2.5W\*2  
 Frequency Response..... 50 Hz ~20KHz

### CD Player Section

Frequency Response.....20Hz to 20.000 Hz(± 1dB)

### Tuner Section

Frequency Range(FM).....87.50 MHz to 108.00 MHz  
 Frequency Range(AM)..... 526 kHz to 1606 kHz

### Record Player Section

Motor.....DC servo motor  
 Drive System.....Belt Drive  
 Speed.....33-1/3 rpm, 45 rpm, 78 rpm  
 Wow and Flutter.....less than 0.25%(WDT)  
 Cartridge type.....Ceramic Stereo Cartridge  
 Stylus.....CSC-015

### USB 1.1 Controller

on-chip USB transceiver compliant with USB specification  
 revision1.1 Full-speed(FS)  
 Support full-speed USB.I.host mode for USB disc

### Data storage controller

Support flash cards including Secure-Digital(SD)and  
 Multit-Media Card(MMC),Memory Stick(MS),MS-Pro,etc

### Speaker System Section

Unit.....1-way  
 Impedance.....4 Ohms

### General

DC power adaptor ..... DC 12V 2A  
 Power Consumption.....26W  
 Dimension (Wx H x D).....420\*175\*525 mm  
 Weight..... 9.0 kg

### Standard Accessories

Owner's Manual x 1  
 Power adaptor x 1

### Mounting Diagram

