

Instruction Manual

MODEL: VTA-220B



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



AVERTISSEMENT:

RISQUE DE CHOC ÉLECTRIQUE – NE PAS OUVRIR.

- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- **Warning:** To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

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

WARNING: To prevent electric shock, do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.



WARNING: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to laser beam.

Important Safety Instructions

1. Read these instructions – All the safety and operating instructions should be read before this product is operated.
2. Keep these instructions – The safety and operating instructions should be retained for future reference.
3. Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions – All operating and use instructions should be followed.
5. Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources such as radiations, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.





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

15.



This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

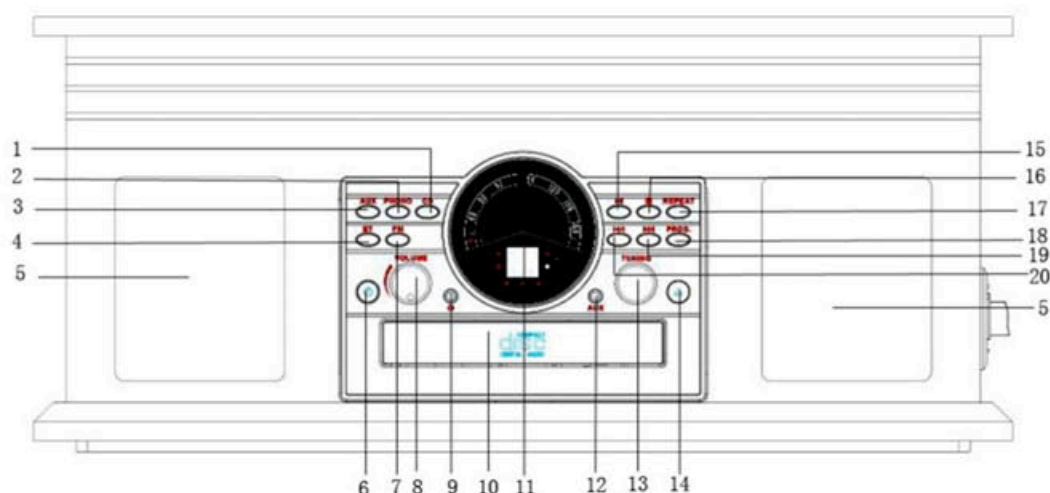
- 16. The mains plug is used as disconnect device, the disconnect device shall remain readily operable.
- 17. **WARNING**
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing. Objects filled with liquids, such as vases, shall not be placed on apparatus.
- 18. The equipment should always be used in a moderate climate.
- 19. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- 20. No naked flame sources, such as lighted candles, should be placed on the apparatus.
- 21. The symbol with $\sim$ indicates AC voltage.
- 22. **CAUTION:** The servicing instructions are for qualified service personnel only. To reduce the risk of electric shock, do not perform any services other than that stated in the operation manual unless you are qualified to do so.

ACCESSORIES INCLUDED

- RCA LINE OUT CABLE
- INSTRUCTION MANUAL
- WARRANTY (BACK OF MANUAL)
- 45 RPM ADAPTER

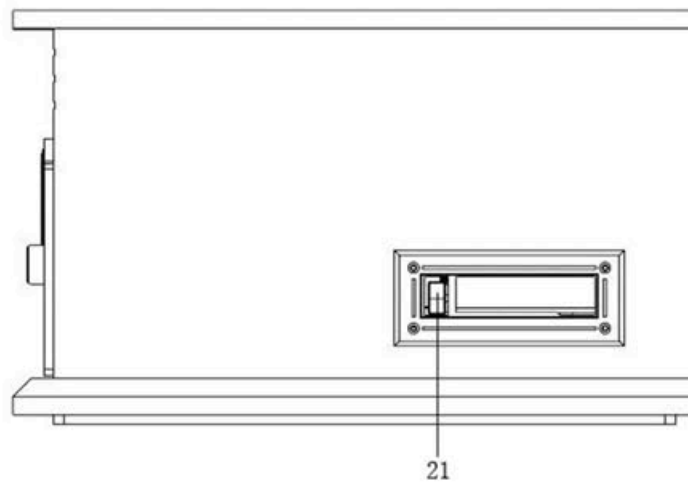
Product Overview

Front View



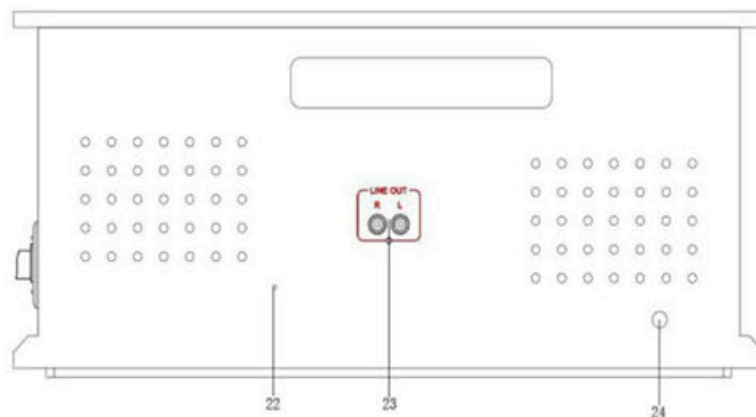
1. **CD Button:** Press to select CD mode.
2. **PHONO Button:** Press to select PHONO mode.
3. **AUX Button:** Press to select AUX mode.
4. **BT Button:** Press to select Bluetooth mode.
5. **STEREO SPEAKERS**
6. **POWER** : Press to turn the unit ON or OFF.
7. **FM button:** Press to select FM mode.
8. **VOLUME KNOB:** Turn to adjust volume.
9. **3.5mm HEADPHONE JACK:** Accepts headphone/earphone plugs.
10. **DISC TRAY**
11. **TUNING DIAL POINTER**
12. **3.5mm AUX-IN JACK:** Connects your external source to the AUX-IN jack.
13. **RADIO TUNER KNOB:** In FM mode, turn to tune in a station.
14. **OPEN/CLOSE** : In CD mode, use to open and close the disc tray.
15. **PLAY/PAUSE** : Press to start playback, press again to pause.
16. **STOP** : Press to stop playback or cancel the program setting.
17. **REPEAT:** Press to select the repeat mode.
18. **PROGRAM:** Press to set the program playback.
19. **NEXT TRACK** : In CD Mode, press to skip to the next track. Press and hold to fast forward. (*Note: This button will not work in PHONO, FM, AUX mode*)
20. **PREVIOUS TRACK** : Press once will restart the current track. Press twice in succession will return to the beginning of the previous track. Press and hold to rewind. (*Note: This button will not work in PHONO, FM, AUX mode*).

Right Side View



21. **CASSETTE FF & EJECT** Press halfway to fast forward, press all the way to end and eject the tape.

Rear View

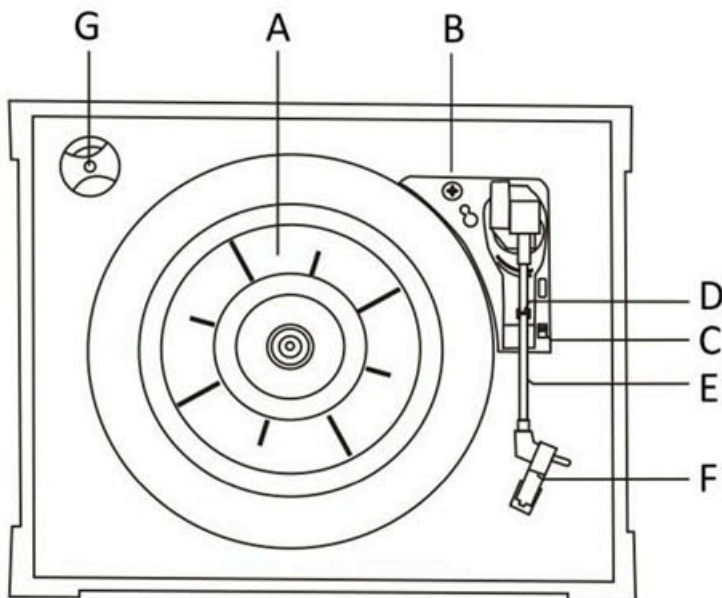


22. **FM wire antenna**
While tuned to a station in FM mode, extend the wire and reposition to adjust for best reception.
23. **LINE OUT jacks**
For amplifier device with RCA auxiliary input sockets, insert the white and red plugs on the RCA cable into the unit. Insert the opposite end into the amplifier device. Be sure to connect the white plug to the white jack and the red plug to the red jack.
24. **AC Power Cord**

Connect the AC plug into a wall outlet.

It is strongly recommended that this product should be operated only from the type of power source indicated on the marking label.

Parts of the Turntable



A. Turntable

B. Safety Screw (for transport) Before using the unit, turn the screw **clockwise** using a coin or screwdriver. **Important:** When you transport the unit, turn the screw **counterclockwise** to secure the turntable.

C. Speed Selector

D. Tone Arm Holder

E. Tone Arm Before use, completely loosen the twist tie on the tone arm and lift the tone arm up.

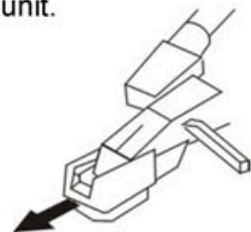
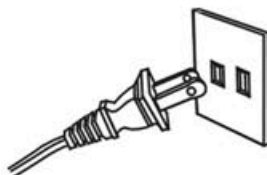
F. Stylus

G. 45 RPM Adaptor

Setup / Basic Operation

Setup

1. Remove white protective needle cover by gently pulling towards front of unit.
2. Remove any packaging materials from the unit.
3. Connect the AC power cord to a wall outlet.



Note:

- It is strongly recommended that this product should be operated only from the type of power source indicated on the marking label.

- To prevent interference, avoid bundling audio signal cables together with the AC power cord.

Basic Operation

1. Press the POWER button to turn the unit on.
2. Select the source by pressing the corresponding button (PHONO/AUX/CD/FM/BT).
3. Rotate the VOLUME knob to adjust to the desired sound level.

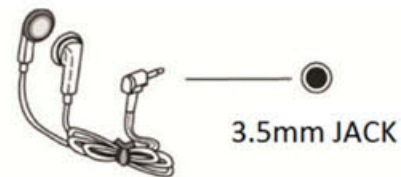
Listening through RCA LINE OUT

For amplifier device listening, first reduce the volume level to minimum. Insert the white and red plugs on the RCA cable into the unit, then insert the opposite end into the amplifier device. Be sure to connect the white plug to the white jack and the red plug to the red jack.

Listening through Headphones (*not included*)

For private listening, first reduce the volume level to minimum. Insert your headphones' plug into the 3.5mm headphone jack, then adjust the volume up by turning the VOLUME knob.

Note: The speakers will automatically be deactivated while headphones are plugged in.



CONDENSATION WARNING:

When the unit is moved from a cold or warm place, or is used following a sudden temperature change, there is the danger that water vapor in the air may condense on the unit, preventing proper operation. In such cases, leave the unit for 1-2 hours after plugging it into an AC outlet to allow it to stabilize at the temperature of its surroundings.

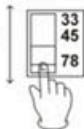
Listening to a Vinyl Record

1. Select "PHONO" function.
2. Gently open the top cover.

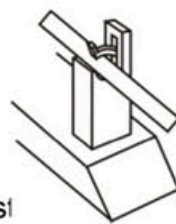
Note: Be careful not to pinch your fingers when opening/closing the top cover.

3. Place a vinyl record on the turntable. When playing a 45 RPM record, use the included adaptor.

4. Select the appropriate speed.



5. Remove the tone arm-rest holder to release the tone arm.



6. Move the tone arm gently to the edge of the record (or the start of a track). The turntable will begin to turn.
7. When the record reaches its end, tone arm will stop at the center of the record and you must lift and return the tone arm to the tone arm rest manually. Lock the tone arm-rest holder to protect the tone arm.

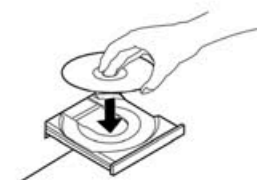
Important:

- Closing the top cover will help prevent dust from settling on the turntable.
- Always relock the tone arm clip before transporting the unit.
- Do not place anything on top of the turntable cover, especially while playing a record.

Listening to a CD

1. Select "CD" function.

(Note: When no disc is set, "no" will appear on the display.)



2. Press the OPEN/CLOSE (▲) button
(*Note: This button only works in CD mode.*)
3. Place a disc on the tray with the printed label face up.
4. Press the OPEN/CLOSE (▲) button to close the tray.
5. Press the PLAY/PAUSE button (▶||) to begin playback.
(*Note: The CD playback will start automatically.*)
6. To temporarily pause playback, press the PLAY/PAUSE button (▶||). Press again to resume.
7. To skip tracks backward or forward, press the corresponding skip button (◀◀ or ▶▶). Pressing (◀◀) once will restart the current track. Pressing (◀◀) twice in succession will return to the beginning of the previous track. Pressing (▶▶) button to skip to next track.
8. To fast forward / rewind within a track, press and hold down the corresponding skip button until the desired position is reached.
9. To stop playback, press the STOP (■) button.

Important:

- Never place more than one disc on the tray.
- The disc must be placed in the center of the disc tray. An incorrectly loaded disc can permanently damage the tray door mechanism.
- Do not push the CD tray – always use the OPEN/CLOSE button.
- It takes a moment for the unit to load a disc, during which all buttons will be temporarily deactivated.

Repeat Playback

Each time the REPEAT button is pressed, the repeat mode will cycle through the following options:

REPEAT 1 (Repeat one track)

The repeat indicator will flash and the current track will be played repeatedly. If you press the (◀◀ or ▶▶) button to select another track, the track you select will be played repeatedly.

REPEAT ALL (Repeat the entire CD)

The repeat indicator will stay lit and the entire CD will be played repeatedly.

Notes:

- Repeat playback works with Compact Discs only.

Programmed Playback

Up to 20 tracks can be programmed to play in the desired order.

Notes:

- Programmed playback works with Compact Discs only.

1. Select "CD" mode, then load a CD.
2. While the CD is stopped, press the PROG. button.
3. "PROG." indicator lights up.
4. Press (◀◀ or ▶▶) to select a track number.
5. Press the PROG. button again to set the next program track, "02" appears.
Repeat steps 4 through 5 to program the additional tracks.
6. When the selection of track numbers has been finished, press the PLAY button (▶||) to start program playback.
(*Note: When all 20 program tracks are set, press PROG. button and "FI" will appear on the display*)
7. To cancel the program mode, press the STOP (■) until the program indicator won't light.

To check the programmed order

In stop mode, press (◀◀ or ▶▶) repeatedly to show the track numbers which have been programmed.

To add a track to the end of the programmed order:

In the stop mode, press the PROG button.

Select a track number by pressing (I◀◀ or ▶▶I), then press the PROG button.

The current track will be added to the end of the program.

Listening to the FM Radio

1. Select "FM" mode.
2. Tune to the desired station using the Radio Tuner Knob.

Note: In FM Mode, the "ST" indicator illuminates red when tuning in the stereo reception station.

Adjusting for Best Reception

FM broadcast: Extend and reposition the FM antenna.

Listening to an External Audio Device (AUX Mode)

In AUX (auxiliary) mode, this unit can play audio from an external audio source (iPod, MP3 Player, Portable CD Player, etc.)

There is an AUX-IN jack on the front side of the unit. When connecting a device that has a headphone jack, use a cable with a 3.5mm plug on both ends with the front AUX-IN jack.

1. Select "AUX" mode.
2. Plug one end of the AUX-IN cable (not included) into the AUX-IN jack.
3. Plug the other end of the cable into the headphone jack of the external audio source.

NOTE: All operations are only available on your external device.

Listening to an External Audio Device (Bluetooth Mode)

In BT (Bluetooth) mode, this unit can play music from external devices which have a built-in Bluetooth feature.

GETTING CONNECTED USING BLUETOOTH

1. Select "BT" mode.
- 2 Turn ON the Bluetooth function on your external device.
NOTE: The effective distance between your external device and this apparatus is 10 meters (33ft).
3. Wait for "Wooden Music Center" to appear on the paired devices list of your external device and press "Wooden Music Center".
In some instances: a window will ask you a password. Fill in "0000" then press "OK" on your external device.
4. A few seconds later your Bluetooth connection is successful and the blue indicator stays lit.
5. To temporarily pause playback, press the PLAY/PAUSE button (▶||). Press again to resume.
6. To skip to the previous or next tracks, press the corresponding skip button (I◀◀ or ▶▶I) to listen.

NOTE: Stop, fast forward / rewind are only available on your external device.

Listening to a Cassette Tape

1. Load an audio cassette tape into the unit (located on the left side of the unit). Playback will automatically begin.
2. Press button halfway to Fast Forward the tape.
Press button lightly and playback will resume.
3. Press button completely down to end playback and eject tape.

NOTE: When loading in a cassette tape, the *SELECTION KNOB* function will be temporarily overridden until the cassette tape is ejected.

Maintenance / Proper Handling

Compact Disc Handling

- Always place the disc on the disc tray with the label side facing upward (compact discs can be played/recorded only on one side).
- To remove a disc from its storage case, press down on the center of the case and lift the disc upward, holding it carefully by its edges.
- To clean a disc, 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, benzine or thinner to clean discs; they will irreparably damage the disc's plastic surface.
- Discs should be returned to their cases after use to protect from dust and scratches.
- Do not expose discs to direct sunlight, high humidity, or high temperature for extended periods of time.
- Printable CD-R and CD-RW discs are not recommended, as the label side may become sticky and damage the unit.
- Use a soft oil-based felt-tipped pen to write information on the label side. Never use a ball-point or hard-tipped pen, as doing so may damage the recorded side.
- Do not use irregularly-shaped CDs (octagonal, heart shaped, business card size, etc), as they will damage the unit.
- Read all precautions supplied with any CD-R or CD-RW disc.
- Never handle a disc with dirty fingers.
- Never insert a disc that has a crack on the surface.

Handling Vinyl Records

- Do not touch the record's grooves. Only handle records by the edges or the label with clean hands. Touching the record surface will cause your record's quality to deteriorate.
- To clean a record, use a soft anti-static cloth to gently wipe the record surface.
- Keep records in their protective sleeves when not in use.
- Always store records upright on their edges.
- Avoid placing records in direct sunlight, close to a heat source (radiators, stoves, etc.), or in a location subject to vibration, excessive dust, heat, cold or moisture.

General Care

- When removing the power plug from the wall outlet, always pull directly on the plug. Never pull the cord.
- To keep the laser pickup clean, do not touch it, and do not forget to close the disc tray.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish.
- For cleaning, only use a clean, dry cloth.
- 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.

How to Replace the Turntable Stylus

The stylus should last about 50 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. The highest speed of 78 RPM records would wear out the stylus more quickly.

Removing the old stylus:

1. Set a screwdriver at the tip of the stylus and push downward (A).
2. Remove the stylus by pulling it simultaneously downward and forward.



Installing a new stylus:

1. Hold the front tip of the stylus and insert its rear edge (B) first.
2. Push the stylus upwards (C) until the tip locks into place.



Caution:

- Do not bend the stylus.
- Do not touch the needle to avoid injury your hand.
- Turn off the unit's power before you replace the stylus.
- Keep out of reach of children.

Guide Pins (inside)

Specifications

GENERAL

Power Requirements AC 120V~60Hz
Power Consumption 30W
Dimensions (W x H x D) 460 x 215 x 340mm | 18 x 10 x 13.4in (approx.)
Weight 7 kg. | 16 lbs (approx.)

AMPLIFIER

Output Power 5 W + 5 W
Frequency Response 60 to 20,000 Hz

SPEAKER SYSTEM

Type 2-way
Impedance 8 ohms
Output Power Max. 6W

FM RADIO

Range 88 to 108 MHz

CD PLAYER

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

CASSETTE PLAYER

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

RECORD PLAYER

Motor DC servo motor
Drive System Belt Drive
Speeds 33-1/3 RPM, 45 RPM and 78 RPM
S/N Ratio More than 50 dB
Cartridge Type Ceramic Stereo Cartridge
Stylus ITRRS-300

BLUETOOTH

Bluetooth Version Bluetooth V2.1+EDR
Bluetooth Profiles A2DP, AVRCP
Bluetooth Frequency range 2.402GHz-2.480GHz
Operating Distance 10 meters (33 ft.)

Troubleshooting Guide

	Symptom	Possible Cause	Solution
GENERAL	• Unit will not power on.	• Unit is unplugged.	• Connect the unit to the AC power supply.
	• No sound output from speakers.	• The volume level is set too low. • The input selector does not match the playback source.	• Adjust the volume. • Select the correct input source.
	• Noise/Distortion in sound output.	• The unit is too close to a TV set or another interfering device.	• Turn off the TV or other appliance, and relocate the unit.
	• Unit fails to respond.	• It might result from external factors such as ESD (Electro-static discharge).	• Disconnect the power cord and external audio device. • Re-plug the power cord after one minute.
TAPE	• The tape does not play.	• The cassette tape is not inserted properly. • The tape has reached the end.	• Insert the cassette tape correctly. • Flip the cassette.
FM RADIO	• Cannot listen to any station, or signal appears weak.	• The station is not tuned-in properly. • A TV set is being used nearby and is interfering with the radio reception.	• Properly tune-in the desired station. • Turn-off the interfering TV set.
	• The sound is distorted.	• The antenna is not oriented properly.	• Re-orient the antenna until reception improves.
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.	• The CD player is paused.	• Press the PLAY/PAUSE button.
	• CD playback is noisy, or playback stops or skips.	• The CD is scratched, damaged or warped. • The disc is very dirty.	• Replace CD with an undamaged one. • Carefully clean the CD.
	• CD tray will not open.	• FM mode is selected.	• Select AUX, PHONO, CD, or TAPE mode.
	• Buttons are not functioning correctly.	• The unit is processing information ("--- Busy" is displayed) • The unit needs to be restarted	• Wait until the unit finishes processing. • Turn the unit off, then on again.
PHONO	• Decline in turntable audio performance	• The turntable stylus is worn out	• Replace the stylus.
AUX	• No sound output with external audio device plugged into AUX-IN jack.	• AUX -IN jack is unplugged. • Unit is not in proper Mode	• Make sure the Auxiliary Cable is plugged into your sources. • Select proper AUX mode

BLUETOOTH	• No sound	• The unit is not switched to Bluetooth mode • Your device's and/or the unit's volume is not turn up. • Your device is too far from the unit or there're some obstacle between your device and the unit	• Ensure the unit is switched to BT mode. • Move your Bluetooth device closer to unit • Turn up the volume on your portable device and/or the unit. • Turn OFF your Bluetooth device and unit. Then power them both back ON
	• Sound has a lot of static	• Your device is too far away	• Bring your device closer to the unit
	• Unable to pair with a Bluetooth device	• Your device doesn't have Bluetooth connectivity. • The Bluetooth pairing is not successful	• Confirm that your device is Bluetooth compatible. • Re-pair the unit and device again.

FCC Statement

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

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

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

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

California PROP 65 Warning

"WARNING" This product contains chemicals known to the State of California to cause birth defects or other reproductive harm. For more information on these regulations and a list of chemicals, log on the following website address:

<http://www.oehha.ca.gov/prop65.html>

IC Statement

This device complies with RSS247 of Industry Canada. Cet appareil se conforme à RSS247 de Canada d'Industrie. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

L'appareil ne doit pas être localisé ou fonctionner avec d'autres antennes ou transmetteurs.

This device complies with IC radiation exposure limits set forth for an uncontrolled environment. Cet appareil est conforme aux limites d'exposition aux rayonnements de la IC établies pour un environnement non contrôlé.

The device should be installed and operated with a minimum distance of 20cm between the radiator and your body.

L'appareil doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.