

**RTB-01**

**RETRO TURNTABLE WITH FM RADIO, MP3 PLAYER, AUX IN,  
BLUETOOTH, USB RECORDING AND BUILT-IN SPEAKER**

**INSTRUCTION MANUAL**

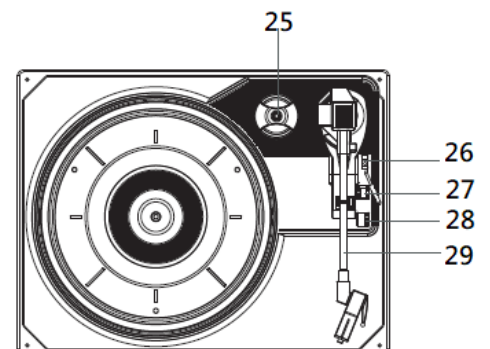
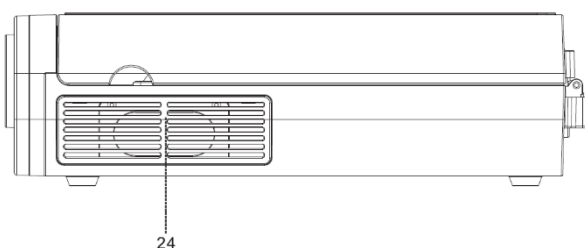
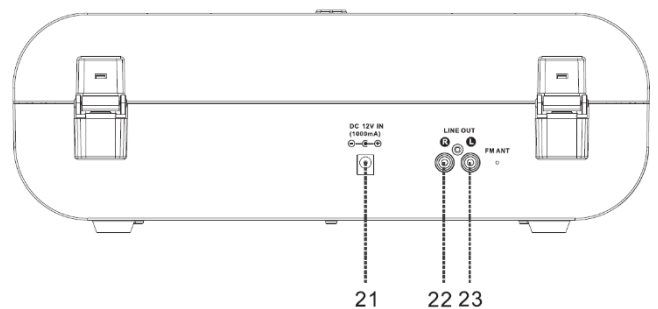
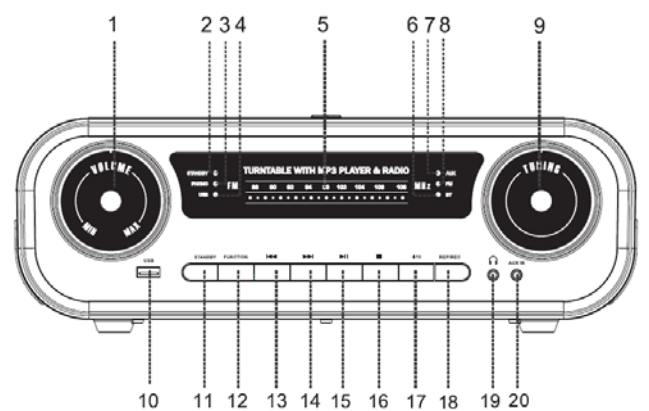
*READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE USE*

## PRODUCT FEATURES

- 33/45/78 RPM SELECTABLE TURNTABLE
- AUTOMATIC / MANUAL STOP TURNTABLE
- BELT DRIVEN SYSTEM
- DIRECT USB ENCODING FOR TURNTABLE & AUX IN
- AUX IN FOR CONNECTION OF OTHER DEVICE (EG. CD & MP3 PLAYER)
- USB SLOT FOR MP3 PLAYBACK AND RECORDING FROM TURNTABLE & AUX IN TO USB DEVICE IN MP3 FORMAT
- BLUETOOTH RECEIVER FOR WIRELESS MUSIC STREAMING
- FM RADIO
- RCA LINE-OUT
- STEREO BUILT-IN SPEAKER
- 45RPM ADAPTOR & EXTERNAL POWER ADAPTOR INCLUDED

## LOCATION OF CONTROL

- 1) VOLUME KNOB
- 2) STANDBY INDICATOR
- 3) PHONO INDICATOR
- 4) USB INDICATOR
- 5) DIAL SCALE
- 6) BT INDICATOR
- 7) AUX INDICATOR
- 8) FM INDICATOR
- 9) TUNING KNOB
- 10) USB SLOT
- 11) ►► STANDBY
- 12) FUNCTION
- 13) SKIP DOWN ◀◀
- 14) SKIP UP BUTTON
- 15) PLAY/PAUSE ►►||
- 16) STOP ■
- 17) + 10
- 18) REP/REC
- 19) EARPHONE JACK
- 20) AUX IN JACK
- 21) EXTERNAL POWER ADAPTOR JACK
- 22) LINE OUT JACK
- 23) LINE OUT JACK
- 24) SPEAKER
- 25) 45 RPM ADAPTOR
- 26) LIFT LEVER (FOR RECORD PLAY / PAUSE)
- 27) AUTO STOP ON/OFF BUTTON
- 28) 33/45/78 RPM SPEED SELECTOR
- 29) TONE ARM



### CAUTION:

USAGE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THIS UNIT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT QUALIFIED SERVICE PERSONNEL.

## PRECAUTIONS FOR USE

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### INSTALLATION

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

### CONNECTION

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1. CONNECT EXTERNAL POWER ADAPTOR WITH **EXTERNAL POWER ADAPTOR JACK** AND THE POWER SOURCE.
2. PUSH THE **STANDBY BUTTON** TO SWITCH ON THE UNIT, **STANDBY INDICATOR** WILL BE OFF. IF THE **B STANDBY INDICATOR** LIGHTS UP, IT MEANS THE POWER SUPPLY IS NORMAL, NOW YOUR SYSTEM IS READY FOR USE.

### LISTENING TO FM RADIO

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#### FM RADIO TUNING

1. PRESS **FUNCTION BUTTON** REPEATEDLY TO SELECT RADIO MODE, FM INDICATOR WILL BE LIGHT UP.
2. TUNE TO THE REQUIRED STATION BY TURNING **TUNING KNOB** TO TUNE THE RADIO FREQUENCY, WHICH IS SHOWN ON THE DIAL SCALE.
3. SELECT DESIRED VOLUME BY TURNING **VOLUME KNOB**.

#### HINTS FOR BETTER RECEPTION

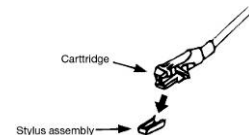
1. THE RECEIVER HAS A BUILT-IN FM WIRE ANTENNA HANGING AT THE REAR CABINET. THIS WIRE SHOULD BE TOTALLY UNRAVELED AND EXTENDED FOR BEST RECEPTION.

## PHONO & ENCODING

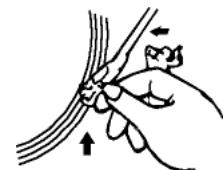
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### NOTED:

- REMOVE THE STYLUS PROTECTOR.
- BE SURE THAT THE TONE ARM IS BEING DETACHED FROM THE TONE ARM REST BEFORE OPERATING AND RE-SECURED AGAIN AFTERWARDS.



1. PRESS **FUNCTION BUTTON** REPEATEDLY TO SELECT PHONO MODE, **PHONO INDICATOR** WILL BE LIGHT ON.
2. SET THE **SPEED SELECTOR** TO THE PROPER POSITION DEPENDING ON THE RECORD TO BE PLAYED.
3. PLACE THE RECORD ON THE PLATTER, USE THE 45 RPM ADAPTOR IF REQUIRED.
4. PUSH THE **LIFT LEVER** UPWARD TO RAISE THE TONE ARM FROM THE ARM PARK, AND THEN SLOWLY MOVE IT TO THE RECORD SIDE. THE PLATTER WILL START TO ROTATE.
5. PUT DOWN THE **LIFT LEVER** TO DROP THE TONE ARM AND TOUCH THE RECORD GENTLY. PHONO PLAYING STARTS NOW.
6. PUSH THE **LIFT LEVER** UPWARD TO RAISE THE TONE ARM FROM THE ARM PARK, NOW PLATTER WILL STILL BE ROTATING BUT PHONO PLAYING WILL STOP. TO CONTINUE THE PLAYING, THE USER NEEDS TO PUT DOWN THE **LIFT LEVER**.
7. ADJUST THE VOLUME TO THE DESIRED LEVEL.
8. AT THE END OF RECORD, THE PLATTER WILL AUTOMATICALLY STOP ROTATING. PUSH THE **LIFT LEVER** UPWARD TO RAISE THE TONE ARM AND MOVE IT TO THE ARM PARK, AND THEN PUT DOWN THE **LIFT LEVER**.
9. TO STOP MANUALLY, LIFT THE TONE ARM FROM THE RECORD AND RETURN IT TO THE ARM PARK.



**REMARK :** AS SOME KIND OF RECORD THE AUTO-STOP AREA WAS OUT OF THE UNIT SETTING, SO IT WILL STOP BEFORE THE LAST TRACK FINISHES. IN THIS CASE, SELECT THE **AUTO-STOP SWITCH** TO " OFF " POSITION, THEN IT WILL RUN TO THE END OF THE RECORD BUT WILL NOT STOP AUTOMATICALLY (TURN OFF THE UNIT BY **POWER BUTTON** OR SWITCH BACK THE **AUTO-STOP SWITCH** TO " ON " POSITION TO STOP THE PLATTER ROTATE). THEN PUT BACK THE TONE ARM TO THE ARM PARK.

### PHONO ENCODING

1. BEFORE SWITCH ON THE UNIT, INSERT USB MEMORY DEVICE TO USB SLOT.
2. PRESS **STANDBY BUTTON** TO SWITCH ON THE UNIT, THEN SELECT PHONO MODE.

3. PRESS THE **REC BUTTON**, THEN PHONO INDICATOR WILL BE FLASHING.
4. TO FINISH ENCODING, PRESS **REC BUTTON** AGAIN, THEN THE UNIT WILL SWITCH TO USB MODE AND PLAY THE PREVIOUS RECORDED TRACK.

**REMARK:**

- THE RECORDING SPEED IS 1:1 AND ACCORDING TO THE ACTUAL PLYING TIME OF THE PHONO
- THE RECORDING FORMAT IS PRESET AT – MP3 BIT RATE : 128 KBPS
- DO NOT PLUG OUT THE USB DEVICE DURING RECORDING.

## **AUX IN JACK & ENCODING**

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PRESS **FUNCTION BUTTON** TO SELECT AUX MODE, **AUX INDICATOR** WILL BE ON, THEN CONNECT THE EXTERNAL AUDIO DEVICE (SUCH AS CD PLAYER) THROUGH THE **AUX IN JACK**. AUDIO SIGNAL FROM THE EXTERNAL AUDIO DEVICE CAN BE PLAYED THROUGH THE SYSTEM.

### **AUX IN ENCODING**

1. BEFORE SWITCH ON THE UNIT, INSERT USB MEMORY DEVICE TO USB SLOT.
2. PRESS **STANDBY BUTTON** TO SWITCH ON THE UNIT, THEN SELECT AUX MODE.
3. PRESS THE **REC BUTTON**, THEN AUX INDICATOR WILL BE FLASHING.
4. TO FINISH ENCODING, PRESS **REC BUTTON** AGAIN, THEN THE UNIT WILL SWITCH TO USB MODE AND PLAY THE PREVIOUS RECORDED TRACK.

**REMARK:**

- THE RECORDING SPEED IS 1:1 AND ACCORDING TO THE ACTUAL PLYING TIME OF THE PHONO
- THE RECORDING FORMAT IS PRESET AT – MP3 BIT RATE : 128 KBPS
- DO NOT PLUG OUT THE USB DEVICE DURING RECORDING.

## **PLAYBACK OF MP3 SONG VIA USB STORAGE MEDIA**

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### **CONNECTING**

THE SYSTEM IS ABLE TO DECODE AND PLAYBACK ALL MP3 FILE WHICH STORED IN THE MEMORY MEDIA WITH USB CONNECTING PORT.

1. PLUG-IN THE USB PLUG WITH THE FACE UP & MAKE SURE IT GOING INTO COMPLETELY, INSERT STRAIGHT WITHOUT BENDING.
2. CONNECTING THE USB UPSIDE DOWN OR BACKWARDS COULD DAMAGE THE AUDIO SYSTEM OR THE STORAGE MEDIA. CHECK TO BE SURE THE DIRECTION IS CORRECT BEFORE CONNECTION.
3. PRESS **FUNCTION BUTTON** REPEATEDLY TO SELECT USB MODE, USB INDICATOR WILL BE LIGHT ON, THEN INSERT USB MEMORY DEVICE.





- **PLAY / PAUSE BUTTON** 

- PRESS THE **PLAY/PAUSE**  **BUTTON** ONCE TO HALT PLAYING, PRESS IT AGAIN TO CONTINUE.

- **STOP BUTTON** 

- PRESS **STOP**  **BUTTON** TO END UP AUDIO PLAYBACK

- **SKIP UP**  / **SKIP DOWN**  **BUTTON**

- DURING USB PLAYBACK, PRESS **SKIP UP**  **BUTTON** ONCE TO PLAY THE NEXT FILE. PRESS AND HOLD **SKIP UP**  **BUTTON** CONTINUOUSLY TO SPEED UP SELECTING FORWARD.
- DURING MP3 PLAYBACK, PRESS **SKIP DOWN**  **BUTTON** ONCE TO PLAY THE PREVIOUS FILE. PRESS AND HOLD **SKIP DOWN**  **BUTTON** CONTINUOUSLY TO SPEED UP SELECTING BACKWARD.

- **+10 MP3 QUICK SEARCHING**

- PRESS **+10** **BUTTON**, THE UNIT CAN SKIP THE NEXT 10 TRACK FOR QUICKER SELECTION FOR MP3 PLAYBACK.

- **REPEAT FUNCTION**

- DURING USB PLAYBACK, PRESS **REP** **BUTTON** ONCE, USB INDICATOR WILL BE FLASHING, SINGLE TRACK WILL BE PLAYED REPEATEDLY. PRESS **REP** **BUTTON** AGAIN, USB INDICATOR WILL BE FLASHING RAPIDLY, ALL TRACK IN THE WHOLE USB DEVICE WILL BE REPEATEDLY PLAYED.

**REMARK**

- IF CONNECT THE SYSTEM TO MP3 PLAYER VIA THE USB SOCKET, DUE TO VARIANCES IN MP3 ENCODING FORMAT, SOME MP3 PLAYER MAY NOT BE ABLE TO PLAY VIA THE USB SOCKET. THIS IS NOT A MALFUNCTION OF THE SYSTEM.

- THERE ARE NUMEROUS USB DEVICE PRODUCERS ARE. SOLUTION AND FORMAT ARE VARIABLE BETWEEN EACH OTHER. THEREFORE, WE DO NOT GARANTTEE THIS UNIT CAN SUPPORT ALL USB DEVICE FROM EVERY BRAND.

### **REMOVING OF USB DEVICE**

TO REMOVE THE USB DEVICE, TURN OFF THE POWER OR SWITCH THE FUNCTION MODE TO OTHER MODE (PHONO, AUX OR RADIO) FIRST, THEN UN-PLUG THE USB BY PULLING OUT FROM THE SOCKET DIRECTLY.

### **BLUETOOTH CONNECTION**

- PRESS **FUNCTION BUTTON** REPEATEDLY TO SELECT BLUETOOTH MODE, **BT INDICATOR** WILL BE FLASHING, THEN THE UNIT IS READY FOR CONNECTION WITH YOUR BLUETOOTH DEVICE (SUCH AS MOBILE PHONE).
- SWITCH ON THE BLUETOOTH FUNCTION OF YOUR BLUETOOTH DEVICE, AND SELECT "CHALLENGER LP" BLUETOOTH EQUIPMENT FOR CONNECTION.
- AFTER YOUR BLUETOOTH DEVICE IS CONNECTED WITH THE UNIT VIA BLUETOOTH, **BT INDICATOR** LIGHT WILL STAY ON, START TO PLAYBACK YOUR DEVICE.

### **EARPHONE JACK & LINE OUT SOCKET**

- THIS SYSTEM CAN BE CONNECTED WITH HEADPHONE OR EXTERNAL AMPLIFIER / SPEAKER BY 3.5MM **EARPHONE JACK**.
- THIS SYSTEM CAN BE CONNECTED WITH EXTERNAL DEVICE (EG. AMPLIFIER AND SPEAKER) BY **LINE-OUT SOCKET** AT REAR CABINET.

### **ENERGY SAVING**

IF THERE IS NO AUDIO SIGNAL FROM TURNTABLE / USB / AUX IN FOR OVER 10 MINUTUES, THE UNIT WILL AUTOMATICALLY SWITCH TO STANBY MODE FOR ENERGY SAVING.

### FCC Warning Statement

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

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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.