

User's Guide for
3-in-1 Classic Radio

EXCALIBUR

ELECTRONICS, INC.



Model No. RD54

www.ExcaliburElectronics.com

Congratulations on your purchase of the 3-in-1 Classic Radio from Excalibur Electronics, Inc. This nostalgic radio in its wooden cabinet will have you grooving to the good old days in no time.

Your 3-in-1 Classic Radio is easy to use, but be sure to use it safely. Before starting, please read this manual thoroughly, especially noting safety and care. Keep this users guide for reference.

This package includes one 3-in-1 Classic Radio and its user's guide.



The legendary King Arthur brandished a magic sword, Excalibur, from which we take our company name. With this unique weapon in his hands, he could not be vanquished.

Although Excalibur Electronics can't claim the magical secrets of Merlin, King Arthur's court wizard, sometimes our patented technology may make it seem as if we could.

We make you think.

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*Available for the
3-in-1 Classic Radio –
RD56 Radio Stand.
Order by visiting
www.excaliburelectronics.com*

Read these instructions prior to using your 3-in-1 Classic Radio.

■ Choose your 3-in-1 Classic Radio's location carefully. Avoid placing it in direct sunlight or close to a source of heat. Please keep in mind to avoid locations subject to excessive dust, cold, moisture or vibrations (humming—such as motors or transformers),

■ Do not open the cabinet as this might result in damage to the circuitry or electrical shock.

■ Do not insert any foreign objects into your 3-in-1 Classic Radio.. If this occurs, immediately, contact your dealer.

■ When using the CD Player option, be sure not to handle CDs with dirty or oily fingers. Never insert a disc that has a crack on the surface.

■ Never remove the power cord from an outlet by pulling on the actual cord. Instead, pull directly on the plug to remove it from the wall outlet.

■ It is important with the CD Player to keep the laser pickup clean, do not touch it. Do not forget to close the disc tray.

■ Do not attempt to clean the unit with chemical solvents. Use a clean, soft 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 3-in-1 Classic Radio if you do not intend to use it for an extended period of time, such as a vacation.

Beware of Condensation

When the player (*or a CD*) 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.

CAUTION
RISK OF ELECTRIC SHOCK- DO NOT OPEN ANY PART OF THIS UNIT!
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. THERE ARE NO USER SERVICEABLE PARTS LOCATED INSIDE OF THE UNIT.
REFER ALL 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.

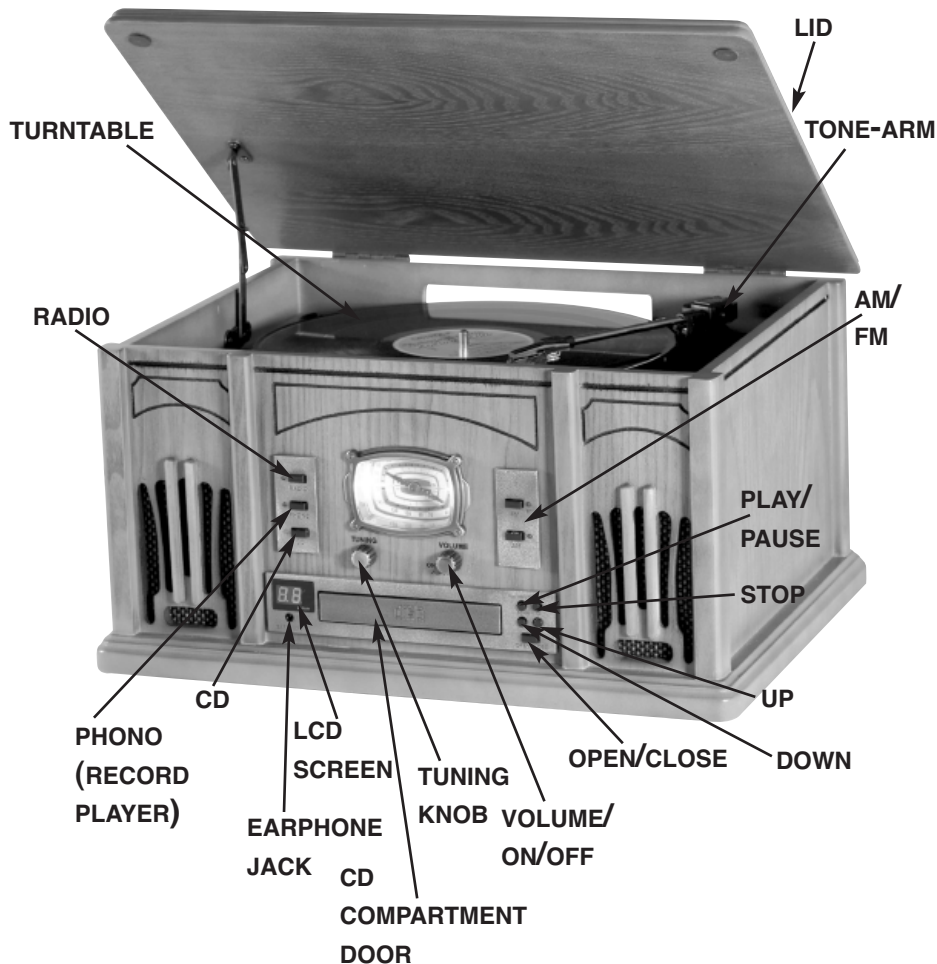


The exclamation point within an equilateral triangle is intended to alert user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



CAUTION:
FOR COMPACT DISC UNITS ONLY: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO LASER BEAM. (See markings on the back of the unit)

Layout of the 3-in-1 Classic Radio



Functions of Buttons

VOLUME/ON/OFF: Use the **VOLUME CONTROL KNOB** to increase or decrease the volume. Also, use this knob to switch the unit **ON** or **OFF**.

RADIO/PHONO/CD: Change the **MODE** switch— **RADIO/PHONO/CD** to designate if you would like to listen to the radio, play a vinyl record or listen to a cd.

OPEN/CLOSE: This button **OPENS** and **CLOSES** the **CD** door

INDICATOR LIGHTS: These lights indicate when the mode you have chosen is working. Lights are for **RADIO AM/FM**; **CD**; **FM STEREO (FM ST.)** **PHONO (RECORD PLAYER)**.

FM STEREO: built-in mode for stereo speakers.

AM/FM: Choose which radio frequency you would like to listen to.

PLAY/PAUSE: You can change between **PLAY** mode and **PAUSE** mode to play or pause your selection of music.

STOP: To **STOP** any modes of play.

UP: Use **UP** to **FF** (fast forward) or skip tracks on your current CD playing.

DOWN: Use **DOWN** to **FW** (rewind) or skip tracks on your current CD playing.

TUNING: Use the **TUNING** knob to locate **AM/FM** radio stations.

LCD SCREEN: This digital display shows the cd track playing or mode.

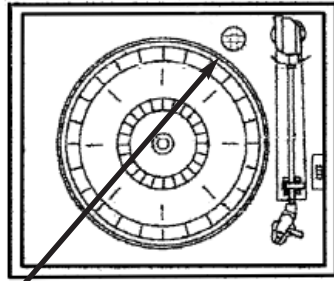
CD DOOR: **CD** door opens so a **CD** can be inserted. To open the **CD** drawer press **OPEN/CLOSE**.

FM ANTENNA: FM antenna is available for better reception. The antenna is located in the rear of the unit.

TURNTABLE: Lift the lid of your 3-in-1 Classic Radio and access the **TURNTABLE** to play your classic vinyl record collection.

RECORD PLAYER-ARM: Use the record player's **RECORD PLAYER-ARM** to produce quality sound from your vinyl records.

Using Your 3-in-1 Classic Radio



REMOVE SCREW

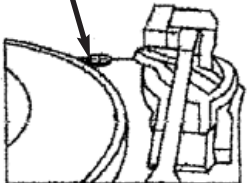
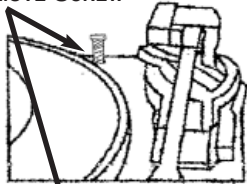


FIGURE 1: There is a screw protecting the record players **TURNTABLE**. Remove screw as shown above. If this is not removed, you will not be able to play any records.

Your 3-in-1 Classic Radio can tune into **AM/FM** radio stations, play CDs, and it also lights up. First, unpack all parts and remove protective packing around unit. Then plug the cord into an electrical three prong outlet.

To listen to the record player:

Follow these steps carefully:

1. There is a screw protecting the record players **TURNTABLE**. Remove screw as shown in Figure 1. If this is not removed, you will not be able to play any records.
2. Turn the power on.
3. Slide the **MODE** switch



FIGURE 2: Slide the **MODE** switch (**RADIO/PHONO/CD**) to **PHONO**.

(**RADIO/PHONO/CD**) to **PHONO**, as shown in Figure 2.

4. Select record speed-**33/45/78**. See Figure 3.

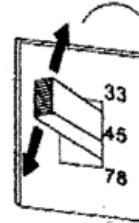


FIGURE 3: Select record speed-**33/45/78**.

5. Place a record onto the turntable (use the 45 RPM adapter provided, when playing a single.)

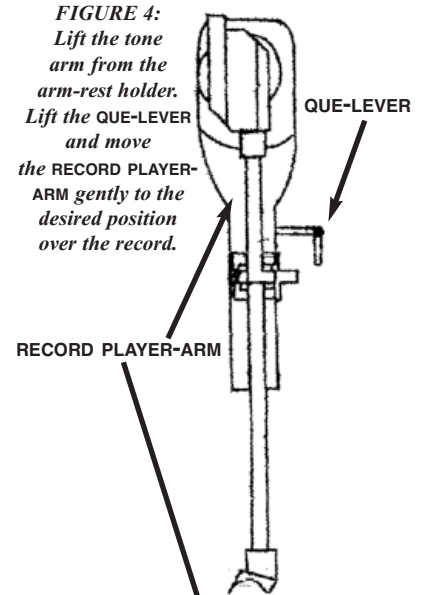
6. Lift the **RECORD PLAYER-ARM** from the arm-rest holder. See Figure 6.

7. Lift the **QUE-LEVER** and move the **RECORD PLAYER-ARM** gently to the desired position over the record.

8. Lower the **QUE-LEVER** slowly to meet the record's surface.

9. Turn the **VOLUME** control knob clockwise to turn unit on. Adjust the volume by turning the **VOLUME** knob.

10. To stop the record, lift the **RECORD PLAYER-ARM** away from the surface of the record and return it to its resting place.



TURNTABLE



FIGURE 4: Lift the tone arm from the arm-rest holder. Lift the **QUE-LEVER** and move the **RECORD PLAYER-ARM** gently to the desired position over the record.



FIGURE 5: Select AM or FM in the Radio mode.

To listen to the radio:

1. Turn the Power **ON**.
2. Slide the **MODE** switch (**RADIO/PHONO/CD**) to **RADIO**. Select **AM** or **FM**. See Figure 5 above.
3. Turn the **TUNING** knob until you find your desired radio station.
4. Turn the **VOLUME** control knob clockwise to turn unit on. Adjust the volume by turning the **VOLUME** knob.

5. For optimal reception, stretch the built-in FM antenna out to its fullest extension (See Figure 6). You will find the antenna at the lower back portion of your 3-in-1 Classic Radio.

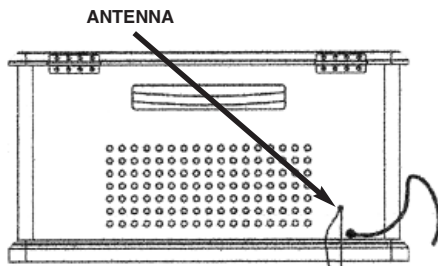


FIGURE 6: For optimal reception, stretch the built-in FM antenna out to its fullest extension.

Rotate and move the antenna until you receive clear radio reception.

To turn off the radio:

Turn the **VOLUME** control knob counter-clockwise to turn unit off.

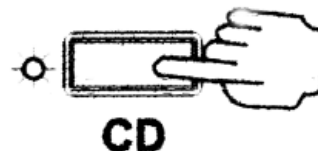


FIGURE 7: Slide the **MODE** switch (**RADIO/PHONO/CD**) to **CD**.

To play a CD:

Follow these steps carefully:

Loading the disc

1. Turn the Power **ON**.
2. Slide the **MODE** switch (**RADIO/PHONO/CD**) to **CD**. See Figure 7 above.
4. Press the **OPEN/CLOSE** button to close the **CD** door. After a while, the display shows the CD total number of tracks and total and playing time. First turn the **VOLUME** control knob clockwise to turn the unit on. Slide the **MODE** switch to **CD**.

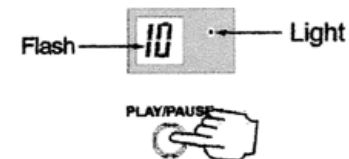
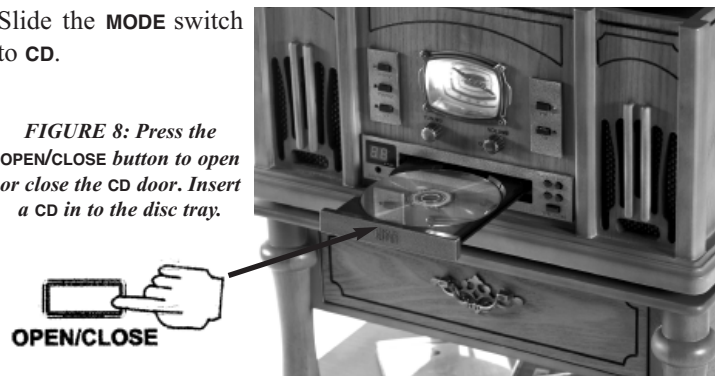


FIGURE 9: Pressing **PAUSE/PLAY** button will have the CD's track number and indicator lights blink. Once play is resume the flashing will stop.

Press the **OPEN/CLOSE** button to open the **CD** compartment. Insert a **CD** into the disc tray. Make sure the **CD** is put into tray with printed side up. Close the **CD** door. See Figure 8.

5. Press the **PLAY/PAUSE** button to begin playing your **CD**. Press the **STOP** button to stop playing your **CD**. Press the **PLAY/PAUSE** button to pause your **CD**.

FIGURE 8: Press the **OPEN/CLOSE** button to open or close the **CD** door. Insert a **CD** in to the disc tray.



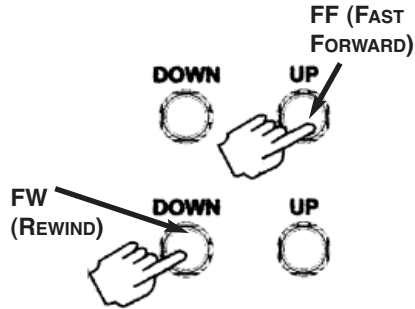


FIGURE 10: When using FF (UP) and FW (DOWN) buttons forward or reverse you will hear your selection playing at a distorted speed.

6. Press the **FF (UP)** button to skip ahead to the next track or to scroll quickly through the current track.

NOTE: Do not push both **FF (UP)** and **FW (DOWN)** buttons together as this may damage the unit.

When using **FF (UP)** and **FW (DOWN)** buttons forward or reverse you will hear your selection playing at a distorted speed. See Figure 10. Simply release the **FF (UP)** or **FW (DOWN)** buttons to continue playing at normal speed at the desired position of the **CD**.

7. Press the **FW (DOWN)** button to go back to the previous track or to scroll quickly back-

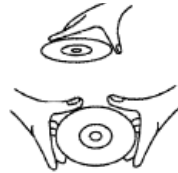
wards through the current track.

8. To replace or remove a **CD**, press down on the center of the **CD** lid and carefully lift the **CD** out. Carefully hold the **CD** by the edge to avoid fingerprints.

Precautions:

If the **CD** is scratched, dirty, or in-correctly placed on the disc tray, it may not play properly.

Bear in mind the following points since any dirt; scratches or warping of the disc can cause broken or intermittent sound and noise.



When holding the discs, take care not to touch the playing surface.

Do NOT place discs in the following locations:



- Near a heating device or place where the temperature is high;

- In damp or dusty areas.

Wipe away any fingerprints or dust on the playing surface of the disc using a soft cloth.

Always wipe from the inside toward the outside of the disc.

Return your **CD** to its case after use to avoid serious scratches that could cause the laser pickup to skip.

Do NOT expose any **CDs** to direct sunlight or high humidity

and temperature for any extended periods.

Do NOT stick paper or write anything with a ballpoint pen on the surface of the label side.

Do NOT use irregular shaped **CDs** (octagonal, heart-shape, etc.), all of which can damage the unit.

Do NOT switch the unit off while playing a **CD** – this will damage the unit.

Specifications

AMPLIFIER section

Output Power: 2.0 W + 2.0 W
Frequency Response: 60 TO 20, 000 Hz

TUNER section

FM Section Frequency Range:
88 to 108 MHz
AM Section Frequency Range
530 to 1710 KHz

CD PLAYER section

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

RECORD PLAYER section

Motor DC servo motor
Drive System Belt Drive
Speeds 33-1/3 rpm, 45 rpm and 78 rpm

Flutter Less than 0.25% (WTD)
S/N Ratio More than 50 dB
Cartridge Type Ceramic Stereo
Cartridge Stylus 402-M208-165
Output Level 160-380 mV
(5 cm/sec at 1 KHz)

SPEAKER SYSTEM section

Type 1-way
Impedance 8 ohms Input
Power Max. 5

GENERAL

Power Requirements AC 120 V~ 60 Hz
Power Consumption 19 W
Dimensions 18" x 13.2" x 9.6" (approx.)
Weight 18 lbs. (approx.)
Users Guide
45 RPM Adapter

Troubleshooting

PROBLEM	CAUSE	SOLUTION
YOUR 3-IN-1 CLASSIC RADIO UNIT		
Power does not come on when the POWER switch is pressed.	Unit is unplugged.	Properly plug into a functioning electrical outlet.
No sound comes out of the speakers	The volume is turned down (to MIN). The input selector does not match the playback source.	Adjust the volume. Re-select the desired input source.
The sound is noisy.	The unit is too close to a TV set or another similar appliance.	Turn off the TV or other appliance, and relocate the unit.
RADIO		
Cannot listen to any station, or signal appears weak or distorted.	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.

IMPORTANT SAFETY INSTRUCTIONS READ CAREFULLY!

- **When using electrical products follow these basic precautions:**
- **Read instructions:** It is extremely important to read and understand all safety and operating instructions before the your 3-in-1 Classic Radio is turned on.
- **Retain instructions:** The safety and operating instructions should be retained for future reference.
- **Adhere and follow ALL instructions:** All warnings on the product and in the operating instructions should be followed and adhered.
- **Attachments:** Do NOT use any attachments not recommended by the product manufacturer. Any non-recommended attachments may cause electrical and fire hazards.
- **Cleaning:** Unplug this product from the electrical wall outlet prior to cleaning. Do NOT use liquid cleaners or aerosol cleaners. Use a soft, damp cloth for cleaning.
- **Heat:** The 3-in-1 Classic Radio should not be located anywhere near heat sources such as radiators, heat registers, stoves, etc.
- **IMMEDIATE! Damage service: Unplug the 3-in-1 Classic Radio from the electrical wall outlet and refer servicing to qualified service personnel for 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. Any other adjustments or work should be done by a qualified technician to restore the product to its normal operation.
 - e. If the product has been dropped or damaged in any way.
 - f. If the product exhibits a distinct change in performance.
- **Lightning:** For additional protection for this product and your home, please unplug it from the electrical wall outlet. This will prevent damage due to lightning or power-line surges.
- **Location and accessories:** Do NOT place this product on an unstable surface. The 3-in-1 Classic Radio may tip and fall, causing serious

physical injury and serious damage to the product. Use only with the recommended stand, bracket, or table from the manufacturer. Any mounting of the product should follow the manufacturer's instructions, Use only the recommended mounting accessories from the manufacturer.



- **Object and liquid entry:** Never push objects of any kind into this product through openings. Those objects may touch dangerous voltage parts that could result in a fire or electric shock. NEVER spill liquid of any kind on the product.
- **Overloading electrical circuits:** Do NOT overload wall outlets, extension cords, or any other integral convenience electrical receptacles. This can result in a risk of fire or electric shock.
- **Power-cord protection:** All Power-supply cords should be placed and routed, so that they are not likely to be trapped in any way.
- **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. If you are installing an outside antenna system, use extreme care to keep from touching such power lines or circuits as contact with them might be fatal.
- **Power sources:** This product should be operated only from the type of power source (indicated in the Specifications Section of this users guide, see page 12.) If you are not sure of the type of power supply to your home, consult your product dealer or a local power company.
- **Replacement parts:** When replacement parts are required, be sure that the service technician has used replacement parts specified by the manufacturer. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- **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.
- **Servicing:** Do NOT attempt to service this product yourself, it may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **Transporting/moving unit:** This product should be moved with care to avoid damage or injury.
- **Ventilation:** Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect

it from overheating. ANY ventilation openings MUST NOT be blocked or covered in any way, this includes placing the product on a bed, sofa, rug, or similar surface. Also the 3-in-1 Classic Radio should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided.

- **Wall or ceiling mounting:** The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- **Water and moisture:** Do NOT use this product near water or any kind of moisture, this includes—bath tubs, wash bowls, kitchen sinks, or laundry washers, wet basements, swimming pools, etc.

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 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.

Special Care & Handling

- Avoid rough handling such as bumping or dropping.
- Avoid moisture and extreme temperatures. For best results, use between the temperatures of 39° F and 100° F (4° C and 38° C).
- Unplug the electrical cord prior to cleaning. Clean using only a slightly damp cloth. Do not use cleaners with chemical agents.

Caution

- If you do not intend to use the 3-in-1 Classic Radio for any extended length of time. Unplug from all power sources to protect from power surges that may occur.
- Under no circumstance should you remove the protective covering to the 3-in-1 Classic Radio. This should be done by qualified personnel only.
- Use of this unit and its controls (other than what is specified in this users guide) is prohibited. It may result in hazardous, radiation exposure and injury.
- Any problems with this unit, please contact an authorized and qualified service center or technician. Do NOT use the 3-in-1 Classic Radio, if it is defective in any way
- Do NOT expose this unit to rain or moisture.
- To prevent severe electric shock, make sure the prongs on the plug match the electrical wall outlet you are plugging your power source into.

LIMITED 90-DAY WARRANTY

EXCALIBUR ELECTRONICS, INC., warrants to the original consumer that its products are free from any electrical or mechanical defects for a period of 90 DAYS from the date of purchase. If any such defect is discovered within the warranty period, EXCALIBUR ELECTRONICS, INC., will repair or replace the unit free of charge upon receipt of the unit, shipped postage prepaid and insured to the factory address shown at right.

The warranty covers normal consumer use and does not cover damage that occurs in shipment or failure that results from alterations, accident, misuse, abuse, neglect, wear and tear, inadequate maintenance, commercial use, or unreasonable use of the unit. Removal of the top panel voids all warranties. This warranty does not cover cost of repairs made or attempted outside of the factory.

Any applicable implied warranties, including warranties of merchantability and fitness, are hereby limited to 90 DAYS from the date of purchase. Consequential or incidental damages resulting from a breach of any applicable express or implied warranties

are hereby excluded. Some states do not allow limitations on the duration of implied warranties and do not allow exclusion of incidental or consequential damages, so the above limitations and exclusions in these instances may not apply. The only authorized service center in the United States is:

Excalibur Electronics, Inc.
13755 SW 119th Ave
Miami, Florida 33186 U.S.A.
Phone: 305.477.8080
Fax: 305.477.9516

www.ExcaliburElectronics.com

Ship the unit carefully packed, preferably in the original carton, and send it prepaid, and adequately insured. Include a letter, detailing the complaint and including your daytime telephone number, inside the shipping carton. If your warranty has expired and you want an estimated fee for service, write to the above address, specifying the model and the problem.

PLEASE DO NOT SEND YOUR
UNIT WITHOUT RECEIVING AN
ESTIMATE
FOR SERVICING. WE CANNOT
STORE YOUR UNIT!

Excalibur Electronics reserves the right to make technical changes without notice in the interest of progress.

EXCALIBUR ELECTRONICS

**EXCALIBUR ELECTRONICS, INC.
13755 SW 119TH AVENUE
MIAMI, FL 33186 U.S.A.**

WE MAKE YOU THINK

PHONE: 305-477-8080

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