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## DIGITAL AM/FM PROJECTION CLOCK RADIO





User Manual  
PF254P

**CAUTION: Electrically Operated Product – Please use care when plugging into AC outlet.**

# WARNING

**TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

 <p>The lightning flash with arrow-head 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.</p>	<p style="text-align: center;"><b>WARNING</b></p> <p style="text-align: center;"><b>RISK OF ELECTRIC SHOCK</b></p> <p style="text-align: center;"><b>DO NOT OPEN</b></p> <p><b>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (ON BACK), NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</b></p>	 <p>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.</p>
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## **CAUTION:**

Use of controls or adjustments or performance other than those specified may result in hazardous radiation exposure.

# **IMPORTANT SAFETY INSTRUCTIONS**

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a 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 radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider 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 plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.

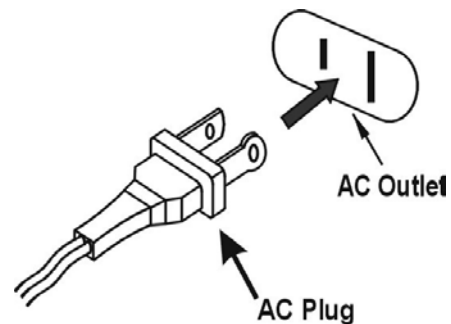
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service 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, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This apparatus shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the apparatus.
16. Main plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected form the mains socket outlet completely.
17. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
18. The marking information is located at the bottom of the apparatus.
19. The Caution Marking is located at the bottom of the apparatus.
20. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.



**This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts**



**CAUTION:  
TO PREVENT ELECTRIC SHOCK, MATCH WIDE  
BLADE OF AC PLUG TO WIDE SLOT. FULLY  
INSERT.**



## COMPLIANCE WITH FCC REGULATION

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 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.

### WARNING

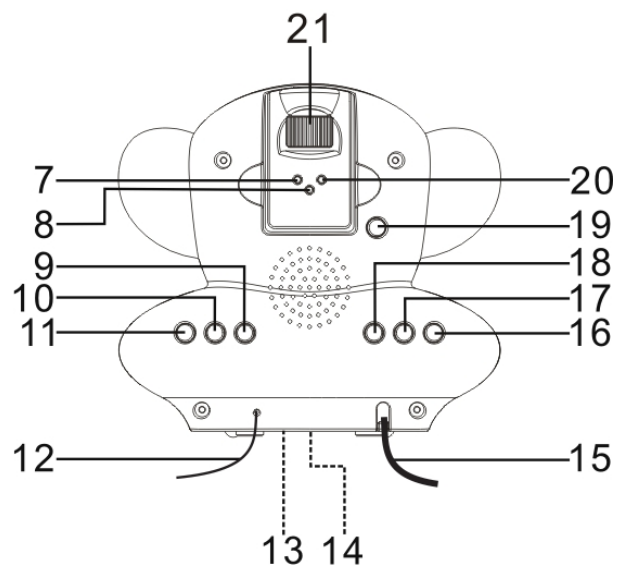
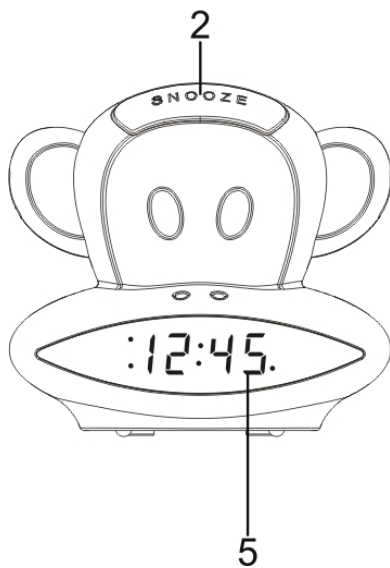
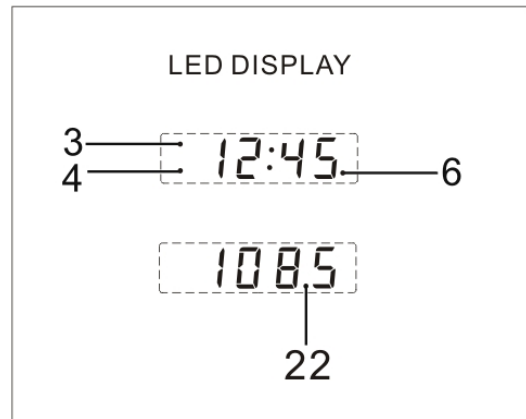
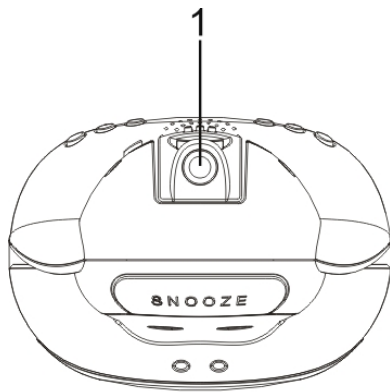
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## PROTECT YOUR FURNITURE!!

This system is equipped with non-skid rubber 'feet' to prevent the product from moving when you operate the controls. These 'feet' are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber 'feet' to soften, and leave marks or a rubber residue on the furniture.

To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber 'feet' before you place the product on fine wooden furniture.

## FUNCTIONS AND CONTROLS



1	PROJECTION	12	FM ANTENNA
2	SNOOZE / SLEEP	13	BATTERY COMPARTMENT
3	PM INDICATOR	14	RATING LABEL
4	ALARM 1 INDICATOR	15	AC POWER CORD
5	LED DISPLAY	16	VOLUME UP / ALARM 2 SET
6	ALARM 2 INDICATOR	17	VOLUME DOWN / ALARM 1 SET
7	HOUR SET FOR PROJECTION	18	>> / TUNE +
8	TIME SET FOR PROJECTION	19	PROJECTION ON/OFF
9	<< / TUNE -	20	MINUTE SET FOR PROJECTION
10	SET MEM / MEMORY+	21	PROJECTION FOCUS ADJUSTOR
11	ON - OFF/BAND	22	FM FREQUENCY INDICATOR

## POWER CONNECTION

Plug the AC power cord into a household outlet AC source. This unit is equipped with a battery back-up system, requiring 2 “AAA” size batteries (not included). Insert the batteries in the battery compartment, making certain that the positive and negative (+ and -) battery terminals are attached to the corresponding terminals on the plate. If an AC power failure occurs, the clock automatically switches to the battery power supply, the clock and alarm time memory continue running internally. When power returns, the clock switches back to AC again.

Please note: The display will not exhibit time during power failure but the clock will keep correct time internally.

## BATTERY CARE

- ◆ Use only the size and type of batteries specified.
- ◆ Do not mix old and new batteries.
- ◆ Do not mix alkaline, standard (carbon-zinc), rechargeable (nickel-cadmium) batteries or equivalent.
- ◆ If the unit is not to be used for an extended period of time, remove the battery. Old or leaking batteries can cause damage to the unit and may void the warranty.
- ◆ Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer’s directions).
- ◆ Do not dispose of batteries in fire, batteries may leak or explode.
- ◆ Replace all batteries of a set at the same time.

## SETTING THE LED DIGITAL CLOCK

1. In standby mode, press and hold the **SET MEM / MEMORY+** button (10). “24 Hr” will blink. Press the **TUNE +** (18) or **TUNE –** (9) button to select the 12 hour (12 Hr) or 24 Hour (24 Hr) format.
2. Press the **SET MEM / MEMORY+** button (10) and the hours will blink. Press the **TUNE +** (18) or **TUNE –** (9) to set the current hour.
3. Press the **SET MEM / MEMORY+** (10) button again then the minutes will blink. Press the **TUNE +** (18) or **TUNE –** (9) to set the current minute.
4. Press **SET MEM / MEMORY+** (10) button once and the current time is set.

**NOTE:** THE LED DIGITAL CLOCK AND THE PROJECTION CLOCK MUST BE SET SEPARATELY.

## SETTING THE PROJECTION CLOCK

1. Set the **PROJECTION ON-OFF** button (19) to “ON”.
2. Simultaneously, press the **HOUR** button (7) and the **TIME** button (8). Keep them depressed until the desired hour is displayed.
3. Simultaneously, press the **MINUTE** button (20) and the **TIME** button (8). Keep them depressed until the desired minute is displayed.
4. To turn the projection off, set the **PROJECTION ON-OFF** button (19) to “OFF”

## FOCUS SETTING

To adjust the focus of the projection clock, turn the **PROJECTION FOCUS ADJUSTOR** (21) until the projected time is clearly shown on the ceiling or wall.

**NOTE:** The projected time is intended for display on the ceiling or wall of a darkened

room. The projection range is 3 – 9 feet.

## SETTING ALARMS

1. Press the **ALARM 1 SET / ALARM 2 SET** button (17/16) once to preview the alarm time. The alarm time is displayed and will blink.
2. Press & hold the **ALARM 1 SET / ALARM 2 SET** button (17/16) for 3 seconds and the hours will blink. Press the **TUNE +** (18) or **TUNE -** (9) to set the alarm hour.
3. Press the **ALARM 1 SET / ALARM 2 SET** button (17/16) again and the minutes will blink. Press the **TUNE +** (18) or **TUNE -** (9) to set the alarm minutes.
4. Press the **ALARM 1 SET / ALARM 2 SET** button (17/16) to set the alarm sound mode: Buzzer or Radio. The alarm sound mode will blink. Press **TUNE +** (18) or **TUNE -** (9) to set the alarm sound mode.
5. If you select Radio as the alarm sound mode, the volume will blink on the display. Press **TUNE +** (18) or **TUNE -** (9) to select the desired radio volume. Then press the **ALARM 1 SET / ALARM 2 SET** button (17/16) to set the volume.
6. If you select Buzzer as the alarm sound mode, the volume of the buzzer alarm will gradually increase when it sounds.
7. To turn off the Radio or Buzzer alarm after it sounds, turn it OFF by pressing the **ALARM 1 SET / ALARM 2 SET** button (17/16).

### NOTE:

- ◆ Alarm 1 / 2 will ring again at the same time each day unless changed.
- ◆ To stop Alarm 1 / 2 from automatically sounding on the following days, press & **ALARM 1 SET / ALARM 2 SET** button (17/16) for 3 seconds in standby mode, the **ALARM 1 / 2 indicator** will be turned off and alarm 1 / 2 will be disabled until reset.
- ◆ To resume alarm 1 / 2, press & hold **ALARM 1 SET / ALARM 2 SET** button (17/16) again for 3 seconds in standby mode.

## SNOOZE FUNCTION

When the alarm rings, press **SNOOZE** button (2) to suspend the alarm and activate the snooze function, alarm will stop & will ring again 9 minutes later. Press **SNOOZE** button again, alarm will stop and ring 9 minutes later the alarm will ring again and so on.

### NOTE:

- ◆ The Snooze interval time is automatically set at 9 minutes.
- ◆ To turn the Snooze function OFF, press **ALARM 1 SET / ALARM 2 SET** button (17/16) once.
- ◆ If you press and hold the **ALARM 1 SET / ALARM 2 SET** button (17/16), the alarm indicator will be turned off, indicating that the alarm is disabled.

## SLEEP FUNCTION

When listening to radio, press **SLEEP** button (2) to enter sleep mode. You can just adjust the sleep timer from 10 to 90 minutes by pressing the **SLEEP** button (2). The unit will automatically turn off after the selected time expires.

## LISTENING TO THE RADIO

**NOTE:** Ensure that the FM antenna is completely unrolled and extended to have the best FM reception.

The AM band uses an internal, directional antenna. Therefore, rotate the entire radio for best AM reception.

1. Press the **ON-OFF** button (11) to turn the unit ON.
2. Press the **ON-OFF/ BAND** button again to select the AM/FM band. When FM band is selected, the **FM FREQUENCY INDICATOR** (22) will be lit.
3. Use the **TUNE +** (18) or **TUNE –** (9) button to select the desired FM station. If you press and hold the **TUNE +** (18) or **TUNE –** (9) button for one second, then release, the unit will automatically scan to the next broadcast station.
4. Press & hold the **ON-OFF** button (11) for 3 seconds to turn the radio OFF.

### **TO SET/RECALL RADIO PRESETS**

1. Press the **ON-OFF** button (11) to turn the unit ON.
2. Press the **ON-OFF / BAND** button again to select the AM/FM band. When FM band is selected, the **FM FREQUENCY INDICATOR** (22) will be lit.
3. Use the **TUNE +** (18) or **TUNE –** (9) button to select the desired radio station.
4. Press and hold the **SET MEM / MEMORY+** button (10); “P02” will blink in the display.
5. Press the **SET MEM / MEMORY+** button (10) again to preset the desired station.
6. Repeat the previous three steps to preset up to 10 stations total.
7. When “P01-P10” is blinking, press the **TUNE +** (18) or **TUNE –** (9) button to select the preset number.
8. When recalling preset stations, press **SET MEM / MEMORY+** button (10) to select the preset number.

### **RESETTING YOUR PROJECTION CLOCK RADIO**

If the system does not respond or exhibits erratic or intermittent operation, you may have experienced an electrostatic discharge (ESD) or a power surge that triggered the internal microcontroller to shut down automatically. If this occurs, simply disconnect the AC power cord and remove the system back-up battery, wait for at least 3 minutes and then setup the unit again as if you were using it for the very first time.

### **SPECIFICATIONS**

Frequency Range: FM 87.5 – 108 MHz ; AM 520-1710 KHz  
 Battery Back-up: 2 x DC1.5V “AAA” batteries (not included)  
 Power Supply: 120V~ 60 Hz 5 W

### **CARE AND MAINTENANCE**

1. Clean the unit with a soft, damp (never wet) cloth. Solvent or detergent should never be used.
2. Avoid operating your unit under direct sunlight or in hot, humid or dusty places to reduce the risk of fire or electric shock.
3. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.
4. For better Clock Display clarity, avoid operating the unit under direct sunlight or in strong room illumination.
5. Unplug the unit from the electrical power outlet immediately in case of malfunction.

**\*\*THIS PRODUCT IS NOT A TOY**



## 90 DAY LIMITED WARRANTY AND SERVICE VALID IN THE U.S.A. ONLY

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants this unit to be free from defective materials or factory workmanship for a period of 90 days from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicate copy of a sales receipt.

You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:

1. The warranty applies to the SPECTRA product only while:
  - a. It remains in the possession of the original purchaser and proof of purchase is demonstrated.
  - b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the user manual or non-SPECTRA approved modifications.
  - c. Claims are made within the warranty period.
2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA user manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the user manual.
3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in a nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it freight prepaid to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so please include your name, address, phone number and email address to expedite the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for \$15.00 to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by email at [custserv@spectraintl.com](mailto:custserv@spectraintl.com) for updated information on the unit requiring service. In some cases the model you have may be discontinued, and SPECTRA reserves the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.  
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To register your product, visit the link below to enter your information.

<http://www.spectraintl.com/wform.htm>

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