

# User Guide



Projection Clock Radio

**NS-PRCL01**



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# 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 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 wide blade or the third prong are 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 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13 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.
- 14 To reduce the risk of fire or electric shock, do not expose this device to rain, moisture, dripping, or splashing, and no objects filled with liquids, such as vases, shall be placed on it.
- 15 The wall plug is the disconnecting device. The plug must remain readily operable.
- 16 Batteries should not be exposed to excessive heat such as sunshine, fire, or the like.

## Caution

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

- 17 Do not look into the projector lens when the time projector is on.

# Projection Clock Radio

## Introduction

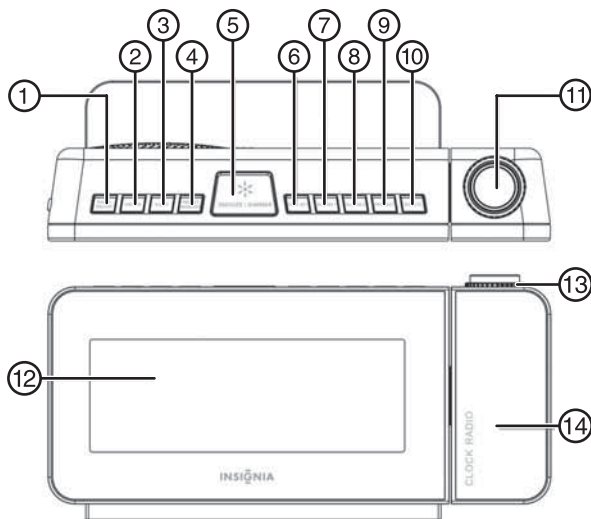
Congratulations on your purchase of a high-quality Insignia product. Your NS-PRCL01 represents the state of the art in projection clock radio design and is designed for reliable and trouble-free performance.

## Features

### Package contents

- Projection clock radio
- AC-DC adapter
- Battery (CR2032 x 1)
- User Guide
- Quick Setup Guide

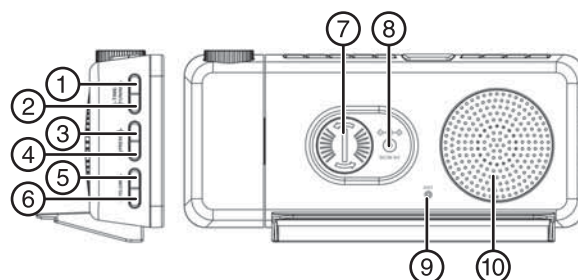
### Front



#	Item	Description
①	RADIO ON/OFF button	Press once to turn the radio on. Press again to turn the radio off.
②	AM/FM button	Press to toggle between the AM band and the FM radio bands.
③	SLEEP button	Press to set the sleep timer, which automatically turns off the radio after the time duration selected. Press repeatedly to select the duration.
④	PRESET MEMORY button	Press to set radio station presets.
⑤	SNOOZE/DIMMER button	Press to temporarily turn off the alarm (snooze), when the alarm is sounding. Press to set the backlight level to high, middle, or low, when the alarm is off.
⑥	TIME SET button	Press and hold briefly to set the time.
⑦	ALARM 1 button	Press to set Alarm 1.
⑧	ALARM 2 button	Press to set Alarm 2.
⑨	PROJECT button	Press once to turn the projector on. Press again to turn the projector off.
⑩	ROTATE button	Press to rotate the projected image.

#	Item	Description
⑪	Projector lens	Projects the time on a wall or ceiling.
⑫	LCD DISPLAY	Displays the current time, alarm, and radio information.
⑬	Projector focus-adjustment ring	Rotate to adjust the focus.
⑭	Projector unit	Projects the time. Turn to aim the projected image on the wall or ceiling.

### Top



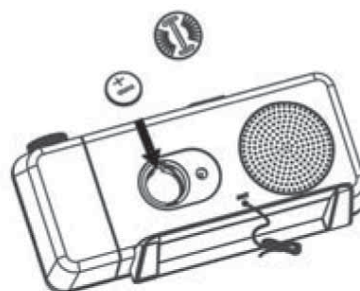
#	Item	Description
①	TUNING+/TIME+ button	In radio mode, press to tune the radio to a higher station. In time and alarm set mode, press to adjust the hour and minutes.
②	TUNING-/TIME- button	In radio mode, press to tune the radio to a lower station. In time and alarm set mode, press to adjust the hour and minutes.
③	PRESET+ button	In radio mode, press to select the next preset station. In memory mode, press to select the preset number for the station.
④	PRESET- button	In radio mode, press to select the previous preset station. In memory mode, press to select the preset number for the station.
⑤	VOLUME+ button	Press to increase the radio volume.
⑥	VOLUME- button	Press to decrease the radio volume.
⑦	Backup battery slot	Insert a backup battery into this opening.
⑧	DCIN 6V jack	Plug the AC adapter into this jack.
⑨	ANT	Improves FM radio reception.
⑩	SPEAKER	Plays sound from the radio and alarm.

## LCD

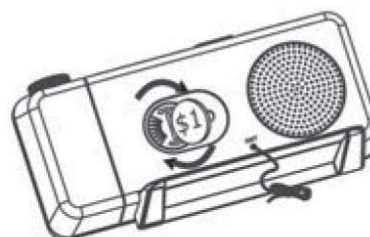


#	Indicator	Description
①	RADIO	Lights when the radio is on. The AM or FM icon to the right indicates the selected radio band.
②	SLEEP	Lights when the sleep timer is set.
③	SNOOZE	Lights when snooze is on.
④	VOL	Shows the volume setting for the radio.
⑤	MEM	Indicates a preset station is selected.
⑥	Alarm 2	Indicates the status of alarm 2. The icon below the alarm icon indicates your selection. <ul style="list-style-type: none"> <li>🔔 —Wake to buzzer</li> <li>🎵 —Wake to radio</li> <li>No icon—Alarm 2 off</li> </ul>
⑦	Preset station number	Indicates the preset number selected.
⑧	Main display	Shows the current time, radio frequency, sleep time setting, or alarm ring time.
⑨	Alarm 1	Indicates the status of alarm 1. The icon below the alarm icon indicates your selection. <ul style="list-style-type: none"> <li>🔔 —Wake to buzzer</li> <li>🎵 —Wake to radio</li> <li>No icon—Alarm 1 off</li> </ul>

- Insert one CR2032 button cell battery (included) into the battery compartment. Make sure that the + symbol on the battery is facing out.



- Reinstall the backup battery slot cover.

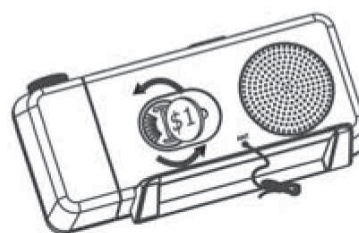


- Plug the AC adapter into your clock radio and a power outlet.

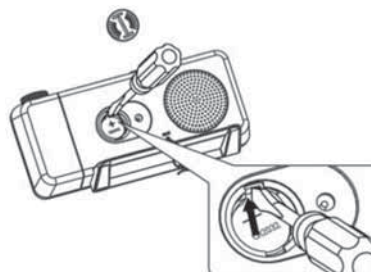
## Uninstalling the backup battery

### To uninstall the backup battery:

- Make sure that the AC adapter is unplugged from the power outlet.
- Turn your clock radio around so that the back is facing forward, then unscrew the circular backup battery cover.



- Push the metal clip in direction shown with a screw driver or ballpoint pen. The backup battery should pop out.



- If the backup battery does not pop out, press it down until it clicks, and repeat the Step 3.

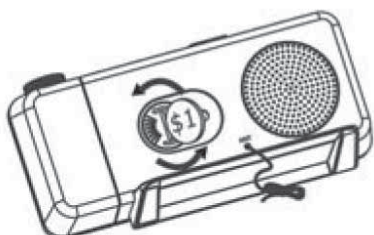
# Setting up your clock radio

## Installing the backup battery

You can install a backup battery (included) to provide temporary power in case the AC power fails. The backup battery only maintains the correct time.

### To install the backup battery:

- Make sure that the AC adapter is unplugged from the power outlet.
- Turn your clock radio around so the back is facing forward, then unscrew the circular backup battery cover.



- 5 Reinstall the backup battery slot cover.
- 6 Plug the AC adapter into your clock radio and a power outlet.

## Connecting the power

### To connect the power:

- 1 Place your clock radio in a convenient place near a power outlet within range of the AC adapter.
- 2 Plug the AC adapter into the power outlet.
- 3 Plug the AC adapter into the **DCIN 6V** jack on the radio.

#### Caution

- To avoid damage to your clock radio, use only the adapter supplied.
- To protect your clock radio during thunderstorms, unplug the AC power adapter from the power outlet.

# Using your clock radio



## Setting the time

### To set the time:

- 1 Press and hold **TIME SET** until the hour blinks on the display.
- 2 Press **TIME+** or **TIME-** to set the hour.
- 3 Press **TIME SET**. The minutes blink on the display.
- 4 Press **TIME+** or **TIME-** to set the minutes.
- 5 Press **TIME SET** to store the setting.

## Setting the alarm

### To set the alarm:

- 1 Press and hold **ALARM 1** (or **ALARM 2** depending on the alarm you are setting) until the hour blinks on the display.
- 2 Press **TIME+** or **TIME-** to set the hour.
- 3 Press **ALARM 1** (or **ALARM 2** depending on the alarm you are setting). The minutes blink on the display.
- 4 Press **TIME+** or **TIME-** to set the minutes.
- 5 Press **ALARM 1** (or **ALARM 2**) to store the setting.
- 6 Press **ALARM 1** (or **ALARM 2**) repeatedly to set the alarm mode. Settings include:
  - **Wake to buzzer**— appears to the below of the alarm icon.
  - **Wake to radio**— appears to the below of the alarm icon.
  - **Alarm off**—Alarm icon disappears.

## Turning off the alarm

### To turn off the alarm:

- Press any button other than **SNOOZE/DIMMER** to turn off the alarm while the alarm is sounding. The alarm will be set for the same time the following day.
- If you do not want to set the alarm for the next day, press **ALARM 1** or **ALARM 2** repeatedly until the alarm icon disappears from the display.

## Using snooze

### To use snooze:

- While the alarm is sounding, press **SNOOZE/DIMMER**. The alarm turns back on automatically nine minutes later.
- To cancel snooze (the alarm will not turn back on), press any button other than **SNOOZE/DIMMER**. The alarm will be set for the same time the following day.

## Playing the radio

### To play the radio:

- 1 Press **RADIO ON/OFF** to turn on your clock radio.
  - To select the radio band you want to listen to, press **AM/FM**.
  - To tune the radio up or down and select the station you want, press **TUNING+** or **TUNING-**.
  - To auto search for stations, press and hold **TUNING+** or **TUNING-** for more than two seconds.
  - To adjust the volume, press **VOLUME+** or **VOLUME-**.
  - To tune to the next preset station, press **PRESET+** or to tune to the previous preset station, press **PRESET-**.
- 2 Press **RADIO ON/OFF** to turn off your clock radio.

## Setting and using station presets

### To set and use station presets:

- 1 Press **RADIO ON/OFF** to turn on your clock radio.
- 2 Press **AM/FM** to select the radio band you want to listen to.
- 3 Press **TUNING+** or **TUNING-** to tune the radio up or down and select the station you want.
- 4 To save the station as a preset, press **PRESET MEMORY**. "MEM" and "01" blink on the display.
- 5 Press **PRESET+** or **PRESET-** to select the preset number you want to assign to that station.
- 6 Press **PRESET MEMORY** again to confirm the setting. The station is stored in memory.
- 7 Repeat Steps 3 through Step 6 to store as many as 10 AM presets and 10 FM presets.
- 8 To select a preset station, briefly press **PRESET+** or **PRESET-** repeatedly until you reach the station you want. "MEM" appears on the display, along with the preset number selected and the station frequency.

## Setting the sleep timer

### To set the sleep timer:

- 1 While the radio is on, press **SLEEP** once. The "SLEEP" indicator appears on the display, and "90" appears (blinking) on the display (indicating that the clock radio will turn off after 90 minutes).
- 2 Repeatedly press **SLEEP** to decrease the sleep timer in 10 minute increments.
- 3 To cancel the sleep function, repeatedly press **SLEEP** until "00" shows on the display.

## Adjusting the backlight level

### To adjust the backlight level:

- 1 Make sure the power is connected.
- 2 Press **SNOOZE/DIMMER** to set the display backlight to a comfortable level (except when the alarm is on). Your choices include **High**, **Middle**, or **Low**.

## Projecting the time

### To project the time:

- 1 Switch off the room lights to darken the room.
- 2 Press **PROJECT** to turn the projector on.
- 3 Turn the projector unit slowly to aim the projected image on the wall or ceiling.
- 4 If the image appears to be upside down on your wall, or upside down on the ceiling when you are lying in bed, press **ROTATE** to rotate the projected image.
- 5 If the image appears fuzzy and out of focus, slowly rotate the focus adjustment ring clockwise or counter-clockwise until you obtain the sharpest image.
- 6 To turn the projector off, press **PROJECT**.

#### Note

- Do not look into the projector lens when the time projector is on.
- The projected image of the time on your wall or ceiling is only visible when the room lighting is off and the room is dark. The image will not be visible when the room lights are on.
- If you experience a power interruption when the time projector is on, the LCD display and the time projector turn off. When power is restored the LCD displays to the correct time (if a backup battery is installed), but the time projector remains off. You must press **PROJECT** to switch the time projector on again.

## Troubleshooting

#### Caution

Do not try to repair your clock radio yourself. Doing so will invalidate your warranty.

Problem	Solution
The display is off.	Make sure that the AC-DC adapter is connected to your clock radio and the AC-DC adapter is plugged into a power outlet.
No sound	Increase the volume and make sure that the radio is on and tuned to a radio station.
The sound has interference	Make sure that the radio is not too close to a TV or other appliance.
The LCD display is too dim	Adjust the backlight.
Radio reception is weak	The AM bar antenna is inside the cabinet. If AM reception is weak, change the position of the cabinet until the internal antenna picks up the strongest signal. The FM antenna is at the back of the cabinet. If FM reception is weak try varying the position and direction of the FM antenna until you find the strongest signal.

## Specifications

Specifications are subject to change without notice.

Power supply	DC IN 6V/0.5A
FM band	87.5 - 107.9 MHz in 200 KHz steps (USA)
AM band	530 - 1710 KHz in 10 KHz steps (USA)
Output power	1 W
Speaker	2.25" x 1
Operating temp. (Max)	14° ~ 104°F (-10° ~ 40°C)

# Legal notices

## **FCC Part 15**

This device complies with Part 15 of the FCC Rules. Operation of this product 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.

This equipment has been tested and found to comply within 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.

## **FCC warning**

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

## **Canada ICES-003 statement**

This Class B digital apparatus complies with Canadian ICES-003.



## 90-day limited warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new **NS-PRCL01** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of 90 days from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

### How long does the coverage last?

The Warranty Period lasts for 90 days from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

### What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

### How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 25 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home.

### Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

### What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289  
[www.insigniaproducts.com](http://www.insigniaproducts.com)

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