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› [SPC](#) /

› [SPC Frodi Max - Compact Radio Alarm Clock with Adjustable Time Projector Instruction Manual](#)

SPC 4586N

SPC Frodi Max - Instruction Manual

Compact Radio Alarm Clock with Adjustable Time Projector

1. INTRODUCTION

The SPC Frodi Max is a compact and elegantly designed radio alarm clock, engineered for convenience and reliability. It features an adjustable time projector, dual alarm settings, and a large multi-function button for snooze, sleep, and display dimming. Its discreet size makes it an ideal bedside companion. This manual provides comprehensive instructions for setup, operation, and maintenance of your device.

2. PACKAGE CONTENTS

Please check the box for the following items:

- SPC Frodi Max Radio Alarm Clock
- Quick Start Guide
- Backup Battery (1 x 3V CR2032)

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your SPC Frodi Max.



Figure 3.1: Front View. This image shows the front of the SPC Frodi Max, highlighting its large digital display showing "12:45" and the red time projection beam emanating from the top left.



Figure 3.2: Top View with Controls. This image provides an angled view from the top, clearly showing the raised control buttons and the projector lens on the device's surface.



Figure 3.3: Time Projection in Use. This image demonstrates the SPC Frodi Max in a nighttime setting, projecting the time "7:38" in red onto a ceiling, visible from a bed.



Figure 3.4: Product in Room Setting. This image shows the SPC Frodi Max positioned on a wooden nightstand, illustrating its compact size and how it blends into a bedroom environment.

4. SETUP

4.1 Power Connection

Connect the provided power adapter to the DC input port on the back of the alarm clock and plug it into a standard wall outlet. The display will light up.

4.2 Backup Battery Installation

The SPC Frodi Max includes a backup battery feature to retain time and alarm settings during a power outage.

1. Locate the battery compartment on the bottom of the unit.
2. Open the compartment cover.
3. Insert the 1 x 3V CR2032 battery, ensuring correct polarity (+/-).

4. Close the battery compartment cover securely.

This backup battery ensures that your alarm settings are not lost if the main power supply is interrupted.

4.3 Initial Time Setting

Upon first power-up or after a prolonged power disconnection without backup battery, you may need to set the time. Refer to Section 5.1 for detailed instructions on setting the time.

5. OPERATING INSTRUCTIONS

5.1 Setting the Time

To set the current time:

1. Press and hold the **TIME SET** button (refer to Figure 3.2 for button location). The hour digits will begin to flash.
2. Use the **HOUR** and **MINUTE** buttons to adjust the time.
3. Press **TIME SET** again to confirm and exit time setting mode.

5.2 Setting Alarms (Dual Alarm)

The SPC Frodi Max allows you to set two independent alarms.

1. Press and hold the **ALARM 1** button. The alarm hour digits will flash.
2. Use the **HOUR** and **MINUTE** buttons to set the desired alarm time for Alarm 1.
3. Press **ALARM 1** again to select the alarm source: Buzzer or Radio. The corresponding icon will appear on the display.
4. Repeat steps 1-3 for **ALARM 2** using the **ALARM 2** button.
5. To activate/deactivate an alarm, briefly press the respective **ALARM 1** or **ALARM 2** button. An alarm icon will appear when active.

When waking to radio, the volume will be set to the last listened volume level.

5.3 Snooze, Sleep, and Dimmer Functions

A large, elongated multi-function button on the top of the device provides easy access to these features:

- **Snooze:** When an alarm sounds, press this button to silence the alarm for 9 minutes. The alarm will sound again after this period.
- **Sleep:** When the radio is playing, press this button to activate the sleep timer. Each press will delay the radio's automatic shutdown by 10 minutes.
- **Dimmer:** Press this button when the alarm is not sounding to cycle through 3 levels of display brightness (low, medium, high).

5.4 Time Projector

The integrated projector allows you to display the time on your ceiling or wall.

- **Activation:** Press the **PROJECTION** button to turn the projector on or off.
- **Direction Adjustment:** Rotate the projector lens housing to adjust the projection angle.
- **Focus Adjustment:** Rotate the outer ring of the projector lens to sharpen the projected time display.

The projected time is displayed in a subtle red color, designed not to disturb sleep.

5.5 Radio Function

To use the built-in FM radio:

- **Turn On/Off:** Press the **ON/OFF** button to turn the radio on or off.
- **Tune Stations:** Use the **TUNE +/-** buttons to manually tune to a desired frequency.
- **Auto Scan:** Press and hold the **TUNE +/-** button to automatically scan for the next available station.
- **Save Presets:** To save a station, tune to the desired frequency, then press and hold the **MEM/M+** button until the preset number flashes. Use the **TUNE +/-** buttons to select a preset number, then press **MEM/M+** again to confirm.
- **Recall Presets:** Briefly press the **MEM/M+** button to cycle through saved preset stations.

6. MAINTENANCE

6.1 Cleaning

To clean the device, use a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the surface. Ensure the device is unplugged before cleaning.

6.2 Battery Replacement

If the backup battery (CR2032) needs replacement, follow the instructions in Section 4.2. Replace with a new 3V CR2032 battery.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or not lighting up.	No power connection.	Ensure the power adapter is securely plugged into the unit and a working wall outlet.
Alarm does not sound.	Alarm not activated or set incorrectly.	Verify alarm settings (Section 5.2) and ensure the alarm icon is displayed. Check volume if radio alarm is selected.
Projected time is blurry.	Projector focus needs adjustment.	Rotate the outer ring of the projector lens to adjust focus (Section 5.4).
Time/settings lost after power outage.	Backup battery is dead or not installed.	Install or replace the CR2032 backup battery (Section 4.2).

8. SPECIFICATIONS

- **Model Number:** 4586N
- **Dimensions:** 6 x 21 x 2 cm (Depth x Width x Height)
- **Weight:** Approximately 366 grams
- **Power Source:** Wired (AC Adapter)
- **Display Type:** Digital
- **Backup Battery:** 1 x 3V CR2032 (included)
- **Special Features:** Alarm Clock, Snooze Function, Radio, Adjustable Time Projector

9. WARRANTY AND SUPPORT

Your SPC Frodi Max comes with a standard manufacturer's warranty. Please refer to the Quick Start Guide or the SPC

official website for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please visit the official SPC support website or contact their customer service department. Contact details can typically be found on the product packaging or the SPC brand website.

Always retain your proof of purchase for warranty claims.



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