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› DreamSky Digital Alarm Clock with Battery Backup, 5 Inch Large Display, Auto Set Clock, USB Charging Ports, 12/24H Gray User Manual

## DreamSky DS313

# DreamSky Digital Alarm Clock with Battery Backup (Model DS313)

User Manual

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## 1. PRODUCT OVERVIEW

The DreamSky Digital Alarm Clock (Model DS313) is designed for convenience and reliability, featuring a large 5-inch LCD display with adjustable brightness. It automatically sets the time, date, and temperature upon initial power-up and includes a battery backup to maintain settings during power outages. This clock also offers a USB charging port for external devices, an ascending alarm with snooze function, and automatic Daylight Saving Time (DST) adjustment.



Figure 1.1: DreamSky Digital Alarm Clock (Model DS313) with a smartphone connected for charging.

**DreamSky Auto Set Alarm Clock with Date, Weekday and Temperature**  
 A must have for bedroom, living room and office!

Auto DST	Temperature	USB	Week & Date
Snooze	Time Zone	Alarm	Dimmer & Auto Dim

Figure 1.2: Key features of the DreamSky Digital Alarm Clock.

## 2. INITIAL SETUP

### 2.1 Powering the Clock

The DreamSky Digital Alarm Clock operates primarily via AC power. It also includes a battery backup system to retain settings during power interruptions.

1. **Connect to Power:** Plug the included power adapter into a standard electrical outlet and connect the other end to the DC input port on the back of the clock. The clock will automatically power on and attempt to set the correct time, date, and temperature.
2. **Install Backup Batteries:** For battery backup functionality, open the battery compartment on the back of the clock and insert 3 AAA batteries (not included). A CR2032 button cell battery is pre-installed to hold basic settings. These batteries ensure that time and alarm settings are preserved in case of a power outage, and the alarm will still trigger at the set time.



Have you ever experienced a large area power cut, rendering all the electrical products useless? Yet our clock, besides powered by adapter (included), 3 AAA batteries are also used to ensure awaking you at the same time the next day during power cut.

Backup Battery compartment

**Figure 2.1:** AC Electric Powered with Battery Backup. The image displays the clock connected to a power outlet and the open battery compartment for AAA batteries.



**Figure 2.2:** Battery Backup for Power Outage. This image explains how the clock functions during a power loss, keeping the display lit briefly and triggering the alarm.

## 2.2 Setting Time Zone and DST

After plugging in, the clock will attempt to auto-set. You may need to manually adjust the time zone and Daylight Saving Time (DST) setting.

1. **Access Settings:** Press and hold the **SET** button on the back of the clock for 2 seconds to enter time setting mode.
2. **Set Time Zone:** Use the **+** or **-** buttons to select your desired time zone (EST/CST/MST/PST/AST/HAT/AKT/NST).
3. **Adjust DST:** Press **SET** again to move to the DST setting. Use **+** or **-** to toggle DST On or Off. When DST is On, the clock will automatically adjust for Daylight Saving Time.
4. **Confirm Settings:** Continue pressing **SET** to cycle through other settings (12/24H format, hour, minute, year, month, day, temperature unit) and make adjustments as needed using **+** or **-**. The clock will exit setting mode automatically after a few seconds of inactivity, or you can press **SET** until it returns to normal display.



Figure 2.3: Rear panel controls of the alarm clock. This image highlights the location of the setting buttons and USB ports.



Figure 2.4: Daylight Saving Time (DST) adjustment icon.

## 3. OPERATION

### 3.1 Setting the Alarm

1. **Enter Alarm Setting Mode:** Press the **SET** button once (short press) to enter alarm time setting mode. The alarm time will flash.
2. **Adjust Alarm Time:** Use the **+** or **-** buttons to set the desired alarm hour and minute.
3. **Activate Alarm:** After setting the time, slide the **ON ALARM OFF** switch on the back of the clock to the "ON" position. An alarm icon will appear on the display, indicating the alarm is active.
4. **Deactivate Alarm:** To turn off the alarm, slide the **ON ALARM OFF** switch to the "OFF" position. The alarm icon will disappear.



Figure 3.1: Alarm duration icon (2 minutes).

### 3.2 Snooze Function

When the alarm sounds, press any button (except the **ON ALARM OFF** switch) to activate the snooze function. The alarm will temporarily stop and sound again after 8 minutes.



Figure 3.2: Snooze function icon (8 minutes).

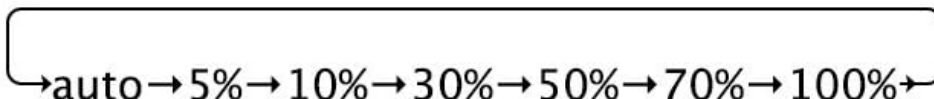
### 3.3 Display Brightness Adjustment

The clock features a 6-level brightness dimmer and an auto-dim function.

1. **Manual Brightness:** In non-setting mode, press the+ or - buttons to cycle through 6 brightness levels (100%, 70%, 50%, 30%, 10%, 5%).
2. **Auto Dim Mode:** To activate auto-dim, cycle through the manual brightness levels until "auto" appears on the display. In auto mode, the backlight brightness is 100% from 7:00 AM to 9:00 PM, and automatically dims to 5% from 9:01 PM to 6:59 AM.



7 level backlight brightness adjustable.



\*Note 1: In auto mode, the backlight brightness is 100% from 7:00 am to 9:00 pm, 5% from 9:01 pm to 6:59 am

\*Note 2: the backlight brightness is only adjustable when powered by adapter not 3 AA batteries.

Figure 3.3: Backlight brightness adjustment levels. This image details the manual and automatic brightness settings.



Figure 3.4: 6-Level Brightness Dimmer and Auto Dim feature.

### 3.4 USB Charging Ports

The clock is equipped with two USB charging ports on the back, allowing you to charge your mobile phone or other electronic devices conveniently.

- Simply connect your device's USB charging cable to one of the USB ports on the clock.
- Ensure the clock is powered by the AC adapter for the USB charging ports to function.



Figure 3.5: USB charging ports for electronic devices.

### 3.5 12/24 Hour Format

To switch between 12-hour and 24-hour time formats, enter the time setting mode by holding the **SET** button for 2 seconds. Cycle through the settings until you reach the 12/24H option, then use the **+** or **-** buttons to select your preferred format.



Figure 3.6: 12/24 Hour format toggle icon.

## 4. MAINTENANCE

- **Cleaning:** Wipe the clock with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the display or casing.
- **Battery Replacement:** If the clock experiences frequent power outages or if the backup battery indicator appears (if applicable), replace the 3 AAA backup batteries. The pre-installed CR2032 button cell battery has a long lifespan and typically does not require frequent replacement.
- **Placement:** Place the clock on a stable, flat surface away from direct sunlight, excessive heat, or moisture.

## 5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Clock display is blank or flickering.	No power, loose power connection, or depleted backup batteries.	Ensure the power adapter is securely plugged into both the clock and the outlet. Check the power outlet. Replace AAA backup batteries if installed.
Alarm does not sound.	Alarm is not activated, alarm volume is too low, or incorrect alarm time set.	Verify the <b>ON ALARM OFF</b> switch is in the "ON" position. Re-check the alarm time setting.
Time is incorrect after power outage.	Backup batteries are not installed or are depleted.	Install fresh AAA backup batteries. The pre-installed CR2032 battery should maintain basic settings, but AAA batteries are needed for full backup functionality.
USB charging ports are not working.	Clock is not connected to AC power.	Ensure the clock is powered by the AC adapter. USB charging ports do not function on battery backup alone.
Display is too bright or too dim.	Brightness setting needs adjustment or auto-dim mode is active.	Press + or - buttons to adjust manual brightness. Toggle to or from "auto" mode as desired.

## 6. SPECIFICATIONS

- **Brand:** DreamSky
- **Model:** DS313
- **Display Type:** Digital LCD
- **Display Size:** 5 inches
- **Color:** Gray
- **Product Dimensions:** 6.1" (W) x 4" (H) x 1.5" (D)
- **Item Weight:** Approximately 10.9 ounces
- **Power Source:** Corded Electric (AC adapter included), Battery Powered (for backup)
- **Backup Batteries:** 1 x CR2032 (included, pre-installed), 3 x AAA (not included, for full backup)
- **Special Features:** Auto Dimmable, Self-Setting Time, Date Display, Day of Week Display, Thermometer (indoor), Auto DST, USB Charging Ports.
- **UPC:** 8600019211175



Figure 6.1: Product Dimensions.

## 7. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official DreamSky website. You may also contact DreamSky Direct, the seller, through the Amazon platform for assistance.

**Seller:** DreamSky Direct (via Amazon)

**Amazon Store Link:** [DreamSky Store on Amazon](#)

