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DOVEET DR-41

DOVEET DR-41 Atomic Digital Wall Clock Instruction Manual

Model: DR-41 | Brand: DOVEET

Introduction

The DOVEET DR-41 Atomic Digital Wall Clock is designed to provide accurate time, date, and environmental information with ease. Featuring a large, easy-to-read LCD display, it automatically synchronizes with the WWVB atomic clock signal for precise timekeeping. This manual will guide you through the setup, operation, and maintenance of your new atomic clock and its wireless outdoor sensor.

Figure 1: The DOVEET DR-41 Atomic Digital Wall Clock with its accompanying wireless outdoor sensor.

Key Features

- **Atomic Accuracy:** Built-in receiver for WWVB broadcast signal from NIST, Fort Collins, Colorado, USA, ensuring precise time synchronization daily.
- **Jumbo 4.5" Tall LCD Time Display:** Large, easy-to-read display showing time (hours, minutes, seconds), indoor and outdoor temperature, calendar, and day of week. Ideal for visibility from a distance.
- **Wireless Outdoor Sensor:** Measures accurate indoor/outdoor temperature and humidity in °F or °C. Wireless range up to 328ft (100M) in open areas.
- **Battery Powered:** Main unit powered by 4 AA batteries, outdoor sensor by 2 AAA batteries (not included). Extended battery life up to 18 months due to efficient chip design.
- **Versatile Placement:** Can be hung on a wall or placed on a table using the integrated kickstand.

Visual Features

Figure 2: The clock features a significantly larger display compared to standard clocks, enhancing readability.

Figure 3: The wireless outdoor sensor offers a transmission range of up to 328 feet in open environments.

Figure 4: Overview of the clock's display elements and rear control buttons for various functions.

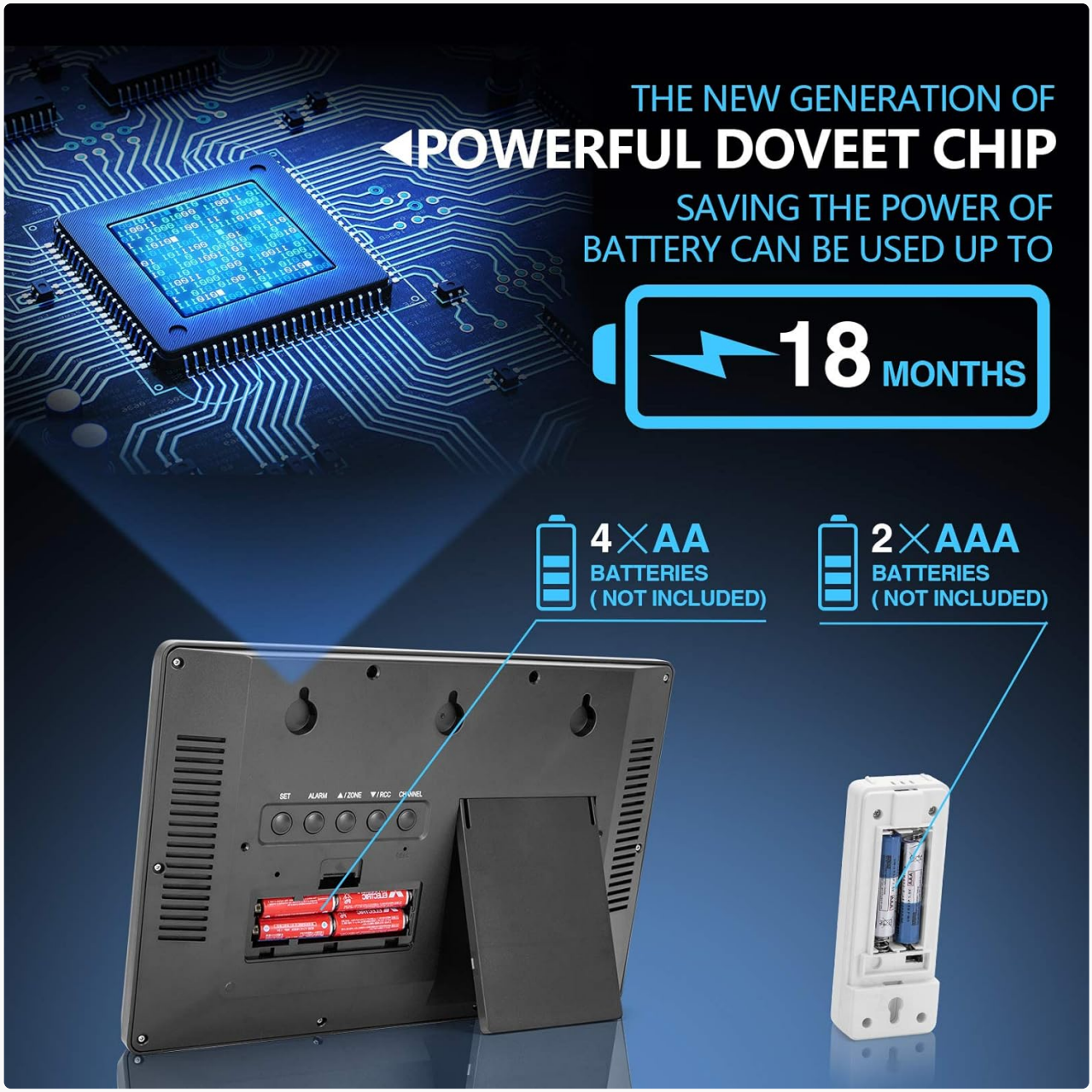

Figure 5: The clock and sensor are battery-powered, offering long operational life.

Setup Guide

1. **Install Batteries:**
   - Open the battery compartment on the back of the main clock unit. Insert 4 new AA batteries, observing polarity (+/-).
   - Open the battery compartment on the wireless outdoor sensor. Insert 2 new AAA batteries, observing polarity (+/-).
   - Ensure both units are powered on within 3 minutes of each other for successful pairing.
2. **Sensor Pairing:** The outdoor sensor will automatically attempt to pair with the main unit. A signal strength indicator will appear on the clock's display once connected. If pairing fails, press the "CHANNEL" button on the main unit to re-register the channel, or re-insert batteries in both units.

3. **Atomic Time Synchronization (WWVB):**

   The clock will automatically attempt to receive the WWVB atomic signal from Fort Collins, Colorado. This usually occurs overnight. Place the clock in an area with good reception, away from large metal objects or electronic interference. A tower icon will appear on the display when the signal is successfully received.

   To manually initiate atomic signal reception, press and hold the "DOWN/RCC" button for 3 seconds. The clock will begin searching for the signal.

4. **Set Time Zone:** Press the "UP/ZONE" button repeatedly to cycle through the available time zones (EST, CST, MST, PST, AKST, HST) until your desired time zone is displayed.
5. **Temperature Unit Selection:** Press the "DOWN/RCC" button briefly to switch between Fahrenheit (°F) and Celsius (°C) for temperature display.

Setup Video Guide

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Video 1: Official DOVEET guide on setting up the atomic clock and its features.

Operating Instructions

Display Information:

- **Time:** Large digits display hours, minutes, and seconds. AM/PM indicator is present for 12-hour format.
- **Date & Day of Week:** Displays month, day, and the full day of the week.
- **Indoor Temperature & Humidity:** Shown on the left side of the lower display.
- **Outdoor Temperature & Humidity:** Shown on the right side of the lower display, received from the wireless sensor.
- **Atomic Signal Indicator:** A tower icon indicates successful reception of the WWVB signal.
- **DST Indicator:** Displays when Daylight Saving Time is active.
- **Battery Low Indicator:** An icon will appear in the upper right of the screen when batteries are low.

Button Functions (Rear of Unit):

Button	Function (Short Press)	Function (Press & Hold)
SET	Confirm setting in setting mode.	Enter time setting mode.
ALARM	Switch between normal time and alarm time display.	Enter alarm setting mode.
UP / ZONE	Advance value in setting mode; Cycle time zones.	(No specific long press function for normal operation)
DOWN / RCC	Switch temperature unit (°F/°C).	Initiate manual atomic signal reception.
CHANNEL	Cycle through outdoor sensor channels (1, 2, 3, or auto-cycle).	Re-register outdoor sensor channel.

Note: The clock can display readings from up to 3 outdoor sensors. Use the CHANNEL button to switch between them or enable auto-cycling.

Maintenance

- **Battery Replacement:** When the low battery indicator appears, replace all batteries in both the main unit and the outdoor sensor. It is recommended to use high-quality, non-leaking batteries (e.g., Lithium batteries) to prevent damage to the device, especially for long-term use.
- **Cleaning:** Wipe the clock and sensor with a soft, dry cloth. Do not use abrasive cleaners or chemicals, as they may damage the display or casing.
- **Sensor Placement:** For optimal performance and longevity, place the outdoor sensor in a shaded area that is protected from direct sunlight and heavy rain. While the sensor is splash-proof, prolonged exposure to harsh weather conditions can affect its accuracy and lifespan.

Troubleshooting

No Display or Faint Display:

Check battery polarity and ensure batteries are fresh. Replace all batteries if necessary.

Outdoor Temperature/Humidity Not Displaying or Inaccurate:

- Ensure batteries in the outdoor sensor are fresh and correctly installed.
- Press the "CHANNEL" button on the main unit to re-establish connection or cycle through channels.
- Move the outdoor sensor closer to the main unit to improve signal strength. Avoid large metal objects or thick walls between the units.
- Ensure the sensor is not in direct sunlight, which can cause artificially high temperature readings.

Atomic Time (WWVB) Signal Not Received:

- Place the clock near a window or in an open area, away from electronic devices that may cause interference.
- Manually initiate signal reception by holding the "DOWN/RCC" button for 3 seconds.
- Note that signal reception can be affected by atmospheric conditions, geographical location, and time of day (best reception is often overnight).

Incorrect Date/Day of Week:

Ensure the correct year is set if manually setting the time, as this can affect the calendar function. The atomic signal should correct this automatically once received.

Specifications

Feature	Detail
Brand	DOVEET
Model Number	DR-41

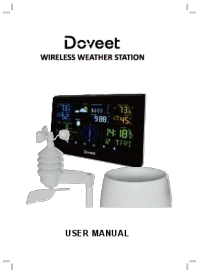
Feature	Detail
Display Type	Digital LCD
Time Display	Hours, Minutes, Seconds (4.5" tall numbers)
Temperature Range (Indoor)	Not specified, typically 0°C to 50°C (32°F to 122°F)
Temperature Range (Outdoor)	Not specified, typically -40°C to 70°C (-40°F to 158°F)
Humidity Range	Not specified, typically 20% to 95% RH
Wireless Sensor Range	Up to 328 ft (100 M) in open air
Power Source (Main Unit)	4 x AA Batteries (not included)
Power Source (Outdoor Sensor)	2 x AAA Batteries (not included)
Product Dimensions	14.3"W x 9.3"H x 1.3"D (approximate, from feature bullets)
Item Weight	2.61 pounds (1.19 Kilograms)
Material	Acrylonitrile Butadiene Styrene (ABS) Plastic
Mounting Type	Wall Mount or Tabletop (with kickstand)

Warranty and Support

For warranty information or technical support regarding your DOVEET DR-41 Atomic Digital Wall Clock, please refer to the contact information provided on the product packaging or visit the official DOVEET website. Keep your purchase receipt for any warranty claims.

Related Documents - DR-41

	Doveet DR41 Digital Clock with Outdoor Sensor: User Manual and Setup Guide Comprehensive user manual for the Doveet DR41 digital clock, covering setup, features, atomic time reception, alarm settings, troubleshooting, and specifications for indoor and outdoor temperature and humidity monitoring. Includes safety instructions and FCC compliance information.
	Doveet Weather Station Instruction Manual Instruction manual for the Doveet weather station, covering display unit features, operation, key functions, alarm settings, time setting, temperature and humidity functions, weather forecast, RCC receiving, and troubleshooting.

	Doveet Wireless Weather Station User Manual Comprehensive user manual for the Doveet Wireless Weather Station, detailing setup, operation, and specifications for indoor and outdoor units, including temperature, humidity, wind speed, and rainfall measurements.
	Doveet DR41 Digital Clock with Outdoor Sensor: User Manual and Setup Guide Comprehensive user manual for the Doveet DR41 digital clock, covering setup, features, atomic time reception, alarm settings, troubleshooting, and specifications for indoor and outdoor temperature and humidity monitoring. Includes safety instructions and FCC compliance information.
Dr.Prepare	Dr.Prepare Projection Alarm Clock User Manual - Model DPWS-OUT003 Comprehensive user manual for the Dr.Prepare Projection Alarm Clock (Model DPWS-OUT003), detailing setup, features, operation, temperature/humidity monitoring, weather forecast, and alarm functions.
	Doveet Weather Station Instruction Manual Instruction manual for the Doveet weather station, covering display unit features, operation, key functions, alarm settings, time setting, temperature and humidity functions, weather forecast, RCC receiving, and troubleshooting.