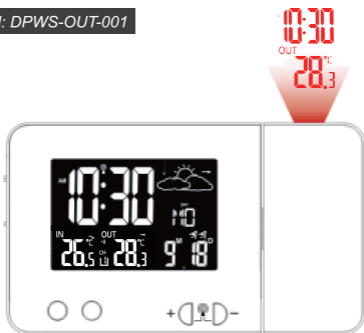




Dr. Prepare

PROJECTION CLOCK

Model: DPWS-OUT-001



➤ **Manual**

FEATURES

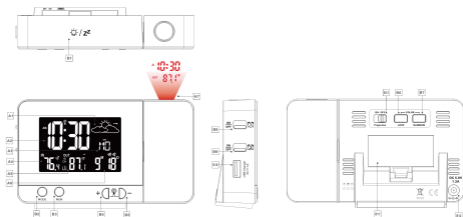
- ▶ WWVB radio time calibration
- ▶ Perpetual calendar up to year 2099
- ▶ Time in optional 12/24 hour format
- ▶ Two daily alarms
- ▶ Automatic snooze function
- ▶ Temperature:
 - Indoor temperature measurement ranges: 14°F (-9.9°C) ~122°F (50°C)
 - Outdoor temperature measurement ranges: -40°F (-40°C) ~ 158°F (70°C)
 - Temperature displayed in °F or °C
- ▶ Display minimum/maximum temperature
- ▶ Wireless Remote Sensor:
 - Wall mount or placing it on table
 - One wireless thermo sensor included
 - 433.92MHz RF transmitting frequency
 - 200-foot transmission range in an open area
- ▶ The weather forecast function
- ▶ Colorful backlight function
- ▶ USB output port (5V/1A)
- ▶ Power supply:
 - Projection Clock:

- Battery: 2 x LR03 AAA (not included)
- DC-Power: DC5.0V, 1.2A
- Wireless Remote Sensor:
 - Battery: 2 x LR03 AAA (not included)

NOTE

The working temperature for alkaline zinc-manganese batteries is around -4°F (-20°C) to 140°F (60°C) and that for polymer lithium-ion batteries is around -40°F (-40°C) to 158°F (70°C). Please choose batteries based on the ambient environment.

IDENTIFYING PARTS



Part A-LCD screen

- | | |
|---|------------------------|
| A1: Weather forecast | A2: Time |
| A3: Week | A4: Indoor temperature |
| A5: Outdoor temperature | A6: Calendar |
| A7: Projection: time and indoor/outdoor temperature | |

Part B-Buttons and switches

B1: "☀️/zZ" button

B3: "MEM" button

B5: "-" button

B7: "RAINBOW" button

B9: Alarm2 on/off switch

B11: Battery compartment

B13: Projection on/off switch

B2: "MODE" button

B4: "+" button

B6: "LOOP" button

B8: Alarm1 on/off switch

B10: USB output port

B12: Power supply socket

Part C –Wireless remote sensor

C1: Battery compartment



PREPARATION

- ▶ Open the battery compartment of the Projection Clock and insert two AAA batteries based on "+" and "-" polarity marks.
- ▶ Insert the power cord to the socket of your Projection Clock.
- ▶ All the icons on the LCD screen will light up for 3 seconds. After a beep, the clock will display indoor temperature.
- ▶ The Projection Clock starts to connect the Remote Sensor, which takes about 3 minutes. A flashing RF antenna symbol will be displayed on the Projection Clock.

- ▶ Open the battery compartment of the Wireless Remote Sensor. Insert 2 x AA batteries according to the "+" and "-" polarity marks.
- ▶ After pairing with the Wireless Remote Sensor, the Projection Clock enters the radio signals reception mode to synchronize time.

RECEPTION OF RADIO SIGNALS

- ▶ The clock automatically starts the search for WWVB signals after 7 minutes of any restart or replacing new batteries. The radio mast icon begins to flash.
- ▶ At 1:00 / 2:00 / 3:00 a.m., the clock goes through synchronization procedure with the WWVB signals to calibrate time. If synchronization is unsuccessful (the radio mast icon disappears from the screen), the system will make another attempt in the next one hour. The procedure will be repeated automatically up to maximum 5 times.
- ▶ To start WWVB signal reception manually, press the "+" and "-" button at the same time. If no signals are received within 7 minutes, then the search for WWVB signal stops (the radio mast icon disappears) and restarts in the next one hour.
- ▶ To end searching for radio signals during the reception, long press the "-" button for over 2 seconds.

NOTE

- ▶ A flashing radio mast icon indicates that the WWVB signal reception has started.
- ▶ A continuously displayed radio mast icon indicates that the WWVB signals are received successfully.
- ▶ We recommend a minimum distance of 8 feet to all sources of interference, such as televisions or computer monitors.
- ▶ Radio reception is weak in rooms with concrete walls (e.g. cellars, offices, etc.). In this condition, please place your Projection Clock close to a window.
- ▶ In radio receiving mode, only the "-" button functions. If you want your Projection Clock to perform other functions, please press and hold the "-" button for more than 2 seconds to get out of the radio signals reception mode.

SETTING TIME MANUALLY

- ▶ Short press the "MODE" button to check the calendar, time of Alarm1, and time of Alarm 2.
- ▶ Press and hold the "MODE" button for more than 2 seconds and the Year icon starts to flash. Use "+" and "-" buttons to set the correct year.

- ▶ Press "MODE" button to confirm your setting and the Month icon starts to flash. Now use "+" and "-" buttons to set the correct month.
- ▶ Press "MODE" button to confirm your setting and the Date icon starts to flash. Now use "+" and "-" buttons to set the correct date.
- ▶ Press "MODE" button to confirm your setting and the Month and Date icon starts to flash. Now use "+" and "-" buttons to set the date display on Month/Date or Date/Month.
- ▶ Press "MODE" button to confirm your setting and the Time Zones start to flash, Now use "+" and "-" buttons to set a correct time zone (-8 PST-07 MST -06 CST and -5 EST).
- ▶ Press "MODE" button to confirm your setting and the DST icon starts to flash. Now use "+" and "-" buttons to turn on/off DST.
- ▶ Press "MODE" button to confirm your setting and the 12/24 hour mode icon starts to flash. Now use "+" and "-" buttons to set the correct 12/24 hour mode.
- ▶ Press "MODE" button to confirm your setting and the Hour icon starts to flash. Now use "+" and "-" buttons to set the correct hour.
- ▶ Press "MODE" to confirm your setting and the Minute icon starts to flash. Now use "+" and "-" buttons to set the correct minute.
- ▶ Press "MODE" button button to confirm your setting, the temperature unit starts to flash. Now use "+" and "-" buttons to choose a temperature unit, °C or °F.

- ▶ Press "MODE" button to confirm your setting and the weather forecast pattern icon starts to flash. Now use "+" and "-" buttons to select the current weather pattern.
- ▶ Press "MODE" button to confirm your setting and to end the setting procedures.

NOTE

- ▶ After 20 seconds without pressing any button, the clock switches automatically from Setting Mode to Normal Time Mode.
- ▶ America time zone:
 - EST: Eastern Standard Time -5
 - CST: Central Standard Time -6
 - MST: Mountain Standard Time -7
 - PST: Pacific Standard Time -8
- ▶ The time zone must be set correctly according to your location. Otherwise, the time will be incorrect when time signals are received.
- ▶ If the daylight saving time system is not implemented in your area, please turn off DST.

SETTING DAILY ALARMS





- ▶ Long press "MEM" button for more than 2 seconds until the Hour icon of the Alarm 1 starts to flash. Use the "+" and "-" buttons to set the desired hour.

- ▶ Press "MEM" button to confirm your setting and the Minute icon of the Alarm 1 starts to flash. Use the "+" and "-" buttons to set the desired minute.
- ▶ Press "MEM" button to confirm your setting and the Hour icon of the Alarm 2 starts to flash. Use the "+" and "-" buttons to set the desired hour.
- ▶ Press "MEM" button to confirm your setting and the Minute icon of the Alarm 2 starts to flash. Use the "+" and "-" buttons to set the desired minute.
- ▶ Press "MEM" button to confirm your setting and to end the setting procedures.

NOTE

- ▶ After 20 seconds without pressing any buttons, the clock switches automatically from Setting mode to Normal clock mode.

ACTIVATE/DEACTIVATE ALARMS

- ▶ When the switch of Alarm 1 or Alarm 2 is turned "ON", the " " or " " icon is displayed on LCD screen. The Alarm 1 or Alarm 2 is activated.
- ▶ Turn off the alarm switch and the " " or " " icon disappears, which means Alarm 1 or Alarm 2 is deactivated.

NOTE

- ▶ The alarm will ring for 2 minutes if you do not deactivate it by pressing any buttons. In this condition, the alarm will repeat automatically after 24 hours.
- ▶ The volume of sound (crescendo, duration: 2 minutes) will be increased for 4 times to make sure the alarm can be heard.
- ▶ The first snooze alarm will be deactivated as the Alarm 2 starts ringing.

TURNING OFF ALARMS

- ▶ Press any buttons except the "☀ / zZ" button to stop the alarm.

SNOOZE FUNCTION

- ▶ Press the "☀ / zZ" button to enter snooze mode. After the snooze timer expires, the alarm will ring again.

DISPLAYING TEMPERATURE/HUMIDITY AND TRENDS

- ▶ The current indoor temperature/humidity and trends (indoor) are displayed on the LCD screen.
- ▶ Once connected with the Wireless Remote Sensor, the Projection Clock can display the outdoor temperature and trends.

- ▶ You may refer to the following icons:



The temperature is rising.



The temperature remains constant.



The temperature is falling.

TRANSMISSION OF THE WIRELESS REMOTE SENSOR

- ▶ When the Projection Clock receives signals from a Wireless Sensor, the temperature from the sensor is displayed in the "OUT" column of the Projection Clock.
- ▶ If the Projection Clock fails to receive transmission from outdoor sensor ("—" will be displayed on the LCD). Long press "+" button for 2 seconds to start transmission manually. During the reception, there will be an animation of the RF antenna symbol on the Projection Clock.

NOTE

- ▶ When a Wireless Sensor is connected with the Projection Clock, the Projection Clock will display the same channel number used by the sensor in "OUT" column. When no signal is transmitted via any channel, "--" will be displayed on the Projection Clock.
- ▶ The default setting of this Wireless Remote Sensor is Channel 1.


MAXIMUM/MINIMUM TEMPERATURE

- ▶ To switch between indoor/outdoor maximum, minimum temperature data, press the "MEM" button:
 - Once to display the indoor/outdoor maximum temperature readings.
 - Twice to display the indoor/outdoor minimum temperature readings.
 - Three times to return to interface of current temperature readings.

NOTE

- ▶ If the real-time temperature reading is below the measurement range of the Projection Clock, the LL.L will be displayed on the LCD screen; if the real-time temperature reading is above the measurement range, the HH.H will be displayed instead.

OUTDOOR FROST ALERT







- ▶ When the outdoor temperature ranges from -1°C to 3°C or from $+30^{\circ}\text{F}$ to $+37^{\circ}\text{F}$, the frost alert icon " " starts flashing.




LOW BATTERY

- If the battery icon "🔋" is displayed in the "IN" column, you need to replace the Projection Clock's battery. If the battery icon "🔋" is displayed in the "OUT" column, you need to replace the specific Wireless Remote Sensor's battery based on the channel number displayed on the Projection Clock.


WEATHER FORECAST

- The Projection Clock makes a weather forecast for the next 12 hours based on the trends of barometric pressure. This forecast can't be compared with that of professional weather services supported by satellites and high performance computers. The Projection Clock merely makes an inference according to current weather conditions. Please take both the weather forecast from your local weather forecast service as well as the forecast from your Projection Clock into account. If there are discrepancies between the results from your device and that of the local weather forecast service, please follow the advice from the latter one.
- The Projection Clock displays the following weather symbols:

					
Sunny	Slightly cloudy	Cloudy	Rainy	Heavy rain	Snowy

- ▶ The Projection Clock can display the barometric pressure trends.
- ▶ The Projection Clock can display the barometric pressure trend.
 -  The barometric pressure will rise.
 -  The barometric pressure will remain constant.
 -  The barometric pressure will decline.

PROJECTION

- ▶ Once the projection switch is "ON", the projection will be activated.
- ▶ When the projection switch is "OFF", the projection will be closed.
- ▶ When the Projection Clock is powered by batteries, press the " / zZ " button and the projection will stay lit for 15 seconds.
- ▶ When the Projection Clock is plugged in, the projection will always stay lit.
- ▶ The recommended projection distance is between 1 meters and 3 meters. At night, the Projection Clock can project clear images (time and other contents) on walls or ceilings (make sure there is no interference from lamps).
- ▶ The displayed contents include time and indoor/outdoor temperature. Indoor and outdoor temperature take turns displaying every 5 seconds.
- ▶ Long press the "-" button for 3 seconds to flip projection for 180 degrees.

BACKLIGHT

- ▶ When the Projection Clock is powered by batteries, press the "☀/zZ" button and the backlight will stay lit for 15 seconds.
- ▶ When the Projection Clock is connected to the power adapter, the battery will automatically stop supplying power and the screen will always be lit. Press the "-" button to adjust the brightness of the backlight, which includes 4 options: 3 different brightness levels and turning off the backlight. Users can adjust brightness according to the personal preferences or turn off the backlight.
- ▶ When the Projection Clock is plugged in, press the "LOOP" button once and the backlight will keep changing colors. Use the "LOOP" button to choose your favorite backlight color among 70 gradient colors.
- ▶ When the Projection Clock is plugged in, long press the "LOOP" button for over 2 seconds, the changes of gradient colors will speed up. Stop pressing the button to end the changes of colors. You can use this feature to choose your favorite colors more quickly.
- ▶ Press the "RAINBOW" button to choose the backlight color among 8 different kinds.

NOTE

- ▶ During the reception of the radio signals, the backlight will be automatically turned off to prevent the interference with the reception procedures.
- ▶ The 8 backlight colors include white, red, orange, yellow, green, cyan, blue, and purple.

USB OUTPUT PORT

- ▶ Includes a DC 5V/1A port on the side to charge USB-enabled devices.



Dr. Prepare

WWW.DRPREPARE.COM