

SMARTRO

Instruction Manual

Time & Temperature Projection Alarm Clock

Model: SC31B



Time & Temp
Projection



Time



Indoor
Outdoor Temp



Snooze



Weather
Forecast



Multicolor
Backlit



°C / °F
Selectable



Dual
Alarm



USB Charger
Function



Switchable
Projector

FCC Statement:

This equipment has been tested and found to comply with 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.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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1. Preface

Thanks for choosing this device from SMARTRO.

Before You Start Using It

- Make sure to read the instruction manual carefully. This information will help you to familiarize yourself with your new device, to learn all of its functions, and to get advice in the event of problems.
- Following the instructions will prevent damage to your device.
- We shall not be liable for any damage occurring as a result of not-following of these instructions.
- Please keep this instruction manual for future reference.

2. Attention

- Please follow the instructions for operation.
- Please use the original or manufacturer specified attachments or accessories.
- Do not disassemble the product, so as not to cause trouble or safety hazards.
- Do not place any items on top of the product or damage the product.

- Do not place the product near water source or in a damp place.
- Please terminate use immediately upon damage which is caused as a result of improper use or repair by a non-factory approved technician.
- Do not place the product in direct sunlight and high temperature places (radiator, electric heater, stove, etc.).
- Keep the product away from strong electromagnetic waves, strong static electricity, or moisture and condensation.
- Use by children below 10 years old should be supervised by an adult.
- Clean your device with a soft damp cloth. Do not use solvents or scouring agents.

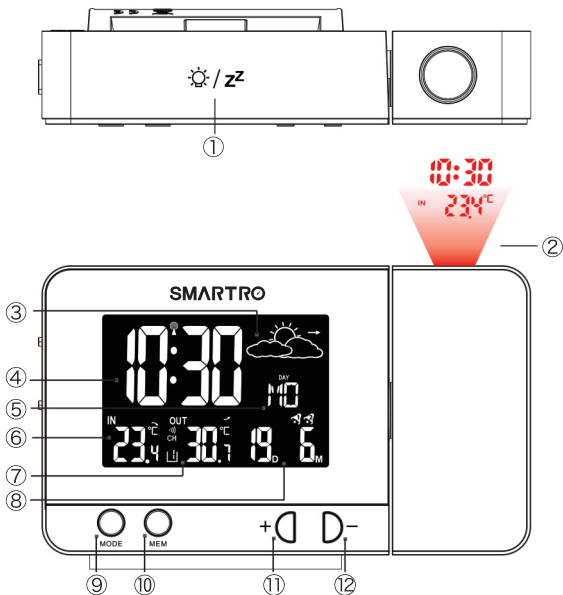
3. Package Content

- Projection alarm clock
- Instruction manual
- DC power adapter
- Wireless remote sensor

4. Product Specification

- Projection time and temperature onto a wall or ceiling (digital)
- Two alarms with Snooze function
- Calendar (up to the year of 2099)
- 12/24 hour format is alternative
- Multiple color backlit
- Temperature:
Indoor temperature: -9.9°C ~50°C (14 °F ~122 °F)
Outdoor temperature: -40°C ~70°C (-40 °F ~158 °F)
Temperature alternatively in°C or °F
- Wireless remote sensor
Wall mounting or table stand
200 ft transmission range in an open area
- Weather forecast
- Battery: LR03 AAA battery x2 (not included)
- DC power adapter: 5V 1.2A
- USB charger function

5. Function Introduction



① "☀/zZ" Snooze touch button

② Projection display

③ Weather forecasting

⑧ Month and date

④ Time

⑨ "MODE" button

⑤ Week

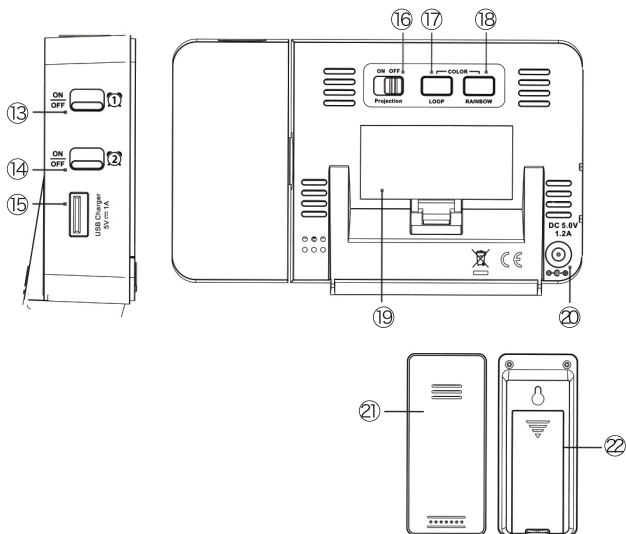
⑩ "MEM" button

⑥ Indoor temperature

⑪ "+" button

⑦ Outdoor temperature

⑫ "-" button



- ⑬ Alarm 1 on/off switch
- ⑭ Alarm 2 on/off switch
- ⑮ USB charging port
- ⑯ Projection on/off switch
- ⑰ "LOOP" button
- ⑱ "RAINBOW" button
- ⑲ Battery compartment
- ⑳ DC power interface
- ㉑ Wireless remote sensor
- ㉒ Wireless remote sensor battery compartment

6. Getting Start

- Open the battery compartment and insert two new 1.5V AAA batteries into the clock. Ensure that the battery polarities ["+" and "-"] are correct. Close the battery compartment.
- When insert the batteries, all the symbols on the LCD display will light up for 3 seconds. You will hear a "di di di" sound. The projection clock starts to detect indoor temperature. Connect the clock with DC power adapter at the same time.
- Insert 2 new 1.5V AAA batteries to wireless remote sensor. Ensure that the battery polarities ["+" and "-"] are correct. Close the battery compartment.
- The projection clock starts to make a connection with the outdoor remote sensor, displayed by a flashing))))) symbol in the "**OUT**" display area on the LCD screen. This procedure will take about 3 minutes.

7. Manual Setting

- Long press "**MODE**" button, the Year display starts to flash. Press "+" / "-" button to adjust year. Press "**MODE**" button to confirm the setting.
- The Month display starts to flash. Press "+" / "-" button to adjust month. Press "**MODE**" button to confirm the setting.

- The Date display starts to flash. Press "+" / "-" button to adjust date. Press **"MODE"** button to confirm the setting.
- The symbol of Month and Date starts to flash. Press "+" / "-" button to choose between Month/Date and Date/Month. Press **"MODE"** button to confirm the setting.
- The language selection of the Weekday starts to flash. Press "+" / "-" button to select a language. Press **"MODE"** to confirm the setting.
- Language abbreviations change from one language to another: German (GE), English (EN), French (FR), Italian (IT), Spanish (SP), and Dutch (DU), and Danish (DA).

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
German, GE	SO	MO	DI	MI	DO	FR	SA
English, EN	SU	MO	TU	WE	TH	FR	SA
French, FR	DI	LU	MA	ME	JE	VE	SA
Italian, IT	DO	LU	MA	ME	GI	VE	SA
Spanish, SP	DO	LU	MA	MI	JU	VI	SA
Dutch, DU	ZO	MA	DI	WO	DO	VR	ZA
Danish, DA	SO	MA	TI	ON	TO	FR	LO

- The symbol of 12H or 24H starts to flash. Press "+" / "-" button to choose 12H or 24H system. Press **"MODE"** to confirm the setting.
- The Hour display starts to flash. Press "+" / "-" button to 10 adjust hour. Press **"MODE"** to confirm the setting.
- The Minute display starts to flash. Press "+" / "-" button to adjust minute. Press **"MODE"** button to confirm the setting.
- The symbol of temperature unit starts to flash. Press "+"

/ "-" button to choose the temperature unit (°C / °F). Press **"MODE"** button to confirm the setting.

- The symbol of weather forecast pattern starts to flash. Press "+" / "-" button to select the current weather pattern. Press **"MODE"** to confirm the setting and end the setting procedure.

- Short press **"MODE"** button to switch the display of calendar/ Alarm 1 / Alarm 2.

Please take note of the following:

- The clock will automatically quit the manual setting mode to clock mode if no button is pressed within 20 seconds.

- Any restart or power break will cause a loss of the previous manual setting, please insert batteries in the clock to keep the setting.

8. Alarm Function Setting

8.1 Activate/Deactivate the Alarm Function

- When the switch of alarm 1 or alarm 2 is moved to the **"ON"** position, the symbol of "🔔" or "🔔" appears on the LCD display. The alarm function will be activated.

- When the switch of alarm 1 or alarm 2 is moved to the **"OFF"** position, the symbol of "🔔" or "🔔" disappears. The alarm function will be deactivated.

8.2 Manual Setting of the Alarm

- Long press "**MEM**" button, the hour display of Alarm 1 starts to flash. Press "+" / "-" button to set the hour. Press "**MEM**" button to confirm the setting.
- The minute display of the Alarm 1 starts to flash. Press "+" / "-" button to set the minute. Press "**MEM**" button to confirm the setting.
- The hour display of the Alarm 2 starts to flash. Press "+" / "-" button to set the hour. Press "**MEM**" button to confirm the setting.
- The minute display of the Alarm 2 starts to flash. Press "+" / "-" button to set the minute. Press "**MEM**" button to confirm the setting and end the manual setting procedure.





Please take note of the following:

The clock will automatically switch from setting mode to normal mode if no button is pressed within 20 seconds.

8.3 Turn off the Alarm Tone

- Alarm tone will automatically turn off after 2 minutes or you can press any button except the "🌞 / ZZ" to turn off the alarm tone. The alarm will repeat automatically at the same time of the next day.

8.4 Snooze Function

- You can activate the Snooze function by touching the " / ZZ" when the the alarm is ringing. The symbol of " " or " " starts to flash, then alarm will ring again in 5 minutes.
- Under the Snooze function activated status. Press any button except the " / ZZ" to turn off the Snooze function.
- If one alarm in Snooze function, the other alarm rings, it automatically stops the Snooze function of the first alarm.


Please take note of the following:

- The alarm will keep ringing for 2 minutes if you do not deactivate it by pressing any button. In this case the alarm will repeat automatically after 24 hours.
- The ring of the alarm changes 4 times in total during the past 2 minutes.

9. Projection Setting

Note: Switch on the projection button for further operation.

9.1 Temporary Time & Temp Projection

- When the clock is powered by batteries (not included), by touching "  / ZZ ", the projection will stay on for a few seconds, then the projection will turn out automatically.

9.2 Permanent Time & Temp Projection

- When the clock is powered by power adapter, the projection will always light up.
- Long press "-" button to adjust the projection angle by 180°.
- The suggested distance of projection is 3.3 ~ 9.8 ft (1 ~ 3 m). When there is no light at night, the clock can clearly display the time and temp on the wall or ceiling.
- **If you want to turn off the projection, switch off the button mounted on the back.**

Please take note of the following:

- The power is not enough when using an old battery, please connect the power adapter or replace with new batteries as soon as possible.

10. Backlit Adjustment

10.1 Backlit Dimmer

- When the clock is powered by batteries, touch "☀️ / Z" to light up the backlit for a few seconds.
- When the clock is powered by DC power adapter, the battery will automatically disconnect the power supply, the backlit will always light up.

- Press "-" button to adjust 4 backlit brightness, light - medium - low - out.
- Touch "☀️ / Z" to light up the backlit for a few seconds in out status.

Please take note of the following:

- The power is not enough when using an old battery, please connect the power adapter or replace with new batteries as soon as possible.

10.2 Multiple Color Backlit

- When the clock is powered by power adapter, press "**LOOP**" button once, the backlight will change the color gradually. Press "**LOOP**" button again to select a backlit color.
- Press and hold "**LOOP**" button for more than 2 seconds, the color of backlight will change fast. Release "**LOOP**" button when you have selected your favorite color.
- When the backlit is on, press "**RAINBOW**" button to change the color. There are 8 colors selectable: white, red, orange, yellow, green, cyan, blue, and purple.

11. Wireless Outdoor Temperature Sensor

- When the clock weather station receives signals from the wireless sensor successfully, outdoor temperature will display on the screen.
- Press the "+" button to switch different channel to channel 1.
- If the clock weather station fails to receive signal from wireless remote sensor ("—" will be displayed on the LCD), long press "+" button to receive transmission manually. The outdoor temperature will show a flashing RF antenna symbol, the clock weather station will try to receive signals from the wireless remote sensor again.

Please take note of the following:

- If the outdoor temperature displayed a "—" , please switch the transmission channel to channel 1.

12. Temperature

12.1 The Display of the Temperature and Temperature Trend

- The current indoor temperature and the temperature trend (indoor) are shown on the LCD display.
- After connected with the wireless remote sensor successfully, the outdoor temperature and the temperature

trend (outdoor) can be shown on the LCD display.

You may see the following symbols:



The temperature is rising.



The temperature remains constant.



The temperature is falling.

12.2 Maximum/Minimum Temperature Records

- To change the data of indoor/outdoor maximum, minimum temperature, press the **"MEM"** button.

Press **"MEM"** button once to show the maximum temperature values.

Press **"MEM"** button twice to show the minimum temperature values.

Press **"MEM"** button three times to return to the current temperature levels.

- To reset the maximum and minimum temperature values, press and hold the **"-"** button for more than 2 seconds during checking the maximum/minimum temperature. **"--"** will be displayed on both indoor and outdoor temperature columns, which indicates the maximum and minimum temperature records were reset successfully.

Please take note of the following:

- If the temperature reading is below the set point, the **LL.L** will be displayed.

- If the temperature reading is above the set point, the HH.H will be displayed.

12.3 Outdoor Temperature Frost Alarm







- When the outdoor temperature is between $-1^{\circ}\text{C} \sim 3^{\circ}\text{C}$ ($30^{\circ}\text{F} \sim 37^{\circ}\text{F}$), the frost alarm function will be activated and a flashing "❄" symbol will be displayed on screen.

13. Weather Forecast

13.1 Weather Forecast Statement




- The clock weather station calculates weather forecast for the next 12 hours based on the barometric pressure trend.
- The clock weather forecast can't be compared with the professional weather services supported by satellites and high performance computers. It provides an approximate indication of current developments.
- Please take the weather forecast from local weather station as authoritative.

13.2 The Symbols of Weather Forecast



					
sunny	slightly cloudy	cloudy	rainy	heavy rainy	snowy

13.3 The Weather Station Can Display the Barometric Pressure Trend

You may see the following symbols:

-  The barometric pressure will rise.
-  The barometric pressure will remain constant.
-  The barometric pressure will fall.

14. Low Battery

- If the LCD display shows a symbol of "" at "IN" column, please replace the projection clock battery as soon as possible.
- If the LCD display shows a symbol of "", at "OUT" column, please replace the wireless remote sensor battery as soon as possible.

15. USB Charger

- When the clock is powered by DC power adapter, the USB socket can be used for charging smart phone and other devices.

16. Troubleshooting

THE PROBLE	COUNTERMEASURE
No projection	<ol style="list-style-type: none"> 1. Switch on the projection on the clock back. 2. Connect the clock with DC power adapter.
Projection not clear.	<ol style="list-style-type: none"> 1. Keep the projection distance to 3.3 ~ 9.8 ft (1 ~ 3m). 2. Clear projection is only visible at dark night.
Projection image upside down.	Long press "-" button to adjust the angle by 180 degree.
Projection or the backlit does not stay on continuously.	Connect the clock with DC power adapter.
Backlit too bright or too dark.	Press "-" to adjust 4 brightness, light - medium - low - out.
Can't receive the outdoor temperature.	<ol style="list-style-type: none"> 1. Replace battery for outdoor remote sensor. 2. Switch the transmission channel to channel 1. 3. Long press "+" button to receive transmission manually.
Fuzzy projection / Missing pixels projection image/ USB charger does not work/Have trouble with manual setting.	<p>Contact after-sales service. Email: support@smartrostore.com Phone Number: 323-287-5798</p>

17.After-sales Support

Please contact us if your device fails to work despite these measures or your experience with us is less than perfect in anyway. Or Join our Instagram or Facebook group for more support and discount information.



: support@smartro.co



: +1 (323) 287-5798



: Group:http://bit.ly/smartro_01



: smartro_01

18.Waste Disposal

- This product has been manufactured using high-grade materials and components which can be recycled and reused.
- As a consumer, you are legally required to take them to your retail store or to an appropriate collection site depending on national or local regulations in order to protect the environment.
- The symbols for the heavy metals contained are: Cd=cadmium, Hg=mercury, Pb=lead.
- Please do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally-compatible disposal.



After-sales Support



: support@smartro.co



: +1(323)287-5798



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: smartro_01