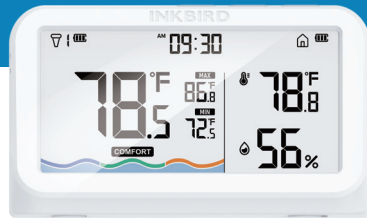


INKBIRD

ACCURATE DETECTION

WIRELESS POOL THERMOMETER

IBS P03R





Warm tips

- To quickly jump to a specific chapter page, click on the relevant text on the contents page.
- You can also use the thumbnail or document outline in the top left corner to quickly find a specific page.

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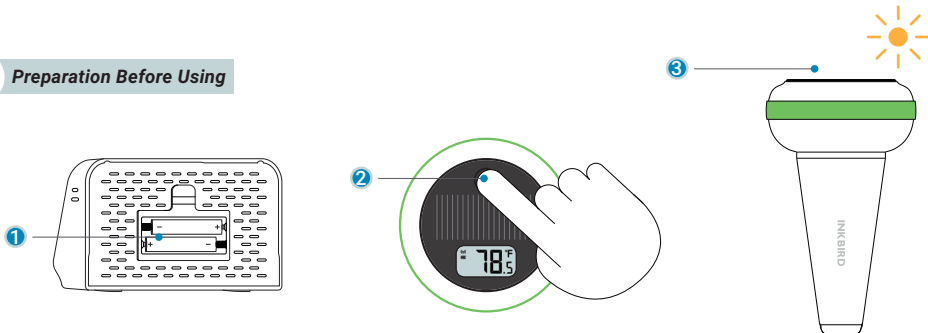


Please keep this manual properly for reference. You can also scan the QR code below to visit our official website for product usage videos. For any usage issues, please feel free to contact us at **support@inkbird.com**.


01 Overview

The INKBIRD solar-powered wireless pool thermometer features a high-precision sensor and an IP68 waterproof construction. It supports solar power recharging, eliminating the need for frequent battery replacements and ensuring water resistance, which frees you from any worries and is environmentally friendly. The indoor monitor (Receiver) supports communication up to 300 meters (980ft) in open space, displaying both the pool temperature and indoor temperature and humidity for easy viewing.

02 Preparation Before Using

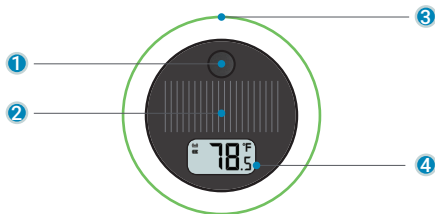


- 1** Make sure the batteries of the indoor monitor (receiver) are installed correctly and working properly.


- ② Press the action button on the pool thermometer (Transmitter) to turn it on. After powering on, press the action button to switch between Celsius (°C) or Fahrenheit (°F). To turn off the thermometer, press and hold the action button for 5 seconds.
- ③ We recommend that you place the pool thermometer in a location exposed to strong sunlight and use it after the battery reaches three bars (). If you plan to use it in the sun for a long time, please ignore this step.

03 Product Introduction

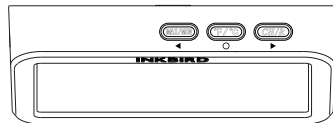
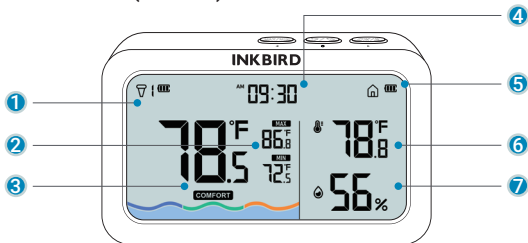
A.Pool Thermometer (Transmitter)





- ① **Action Button:** To turn on the thermometer, shortly press it; to change the temperature unit, shortly press it after powering on; to turn off the thermometer, press and hold for 5 seconds.

- ② **Solar Panel:** Please do not block or cover the solar panel.
- ③ **Anti-collision Gasket:** This is to protect the product from collisions and reduce the noise caused by collisions.
- ④ **Screen:**
 - a **Wireless icon:** flashes once when transferring data.
 - b **Battery level icon:** The battery capacity is indicated by three bars. If the icon  is flashing, it means that the battery power is too low.
 - c **Temperature unit:** Press the action button to switch between °C and °F.
 - d **Water temperature:** The real-time water temperature, with a displaying accuracy of $\pm 0.1^{\circ}\text{C}/^{\circ}\text{F}$.

B. Indoor Monitor (Receiver)



- ❶ **Channel number and corresponding battery level:** The current channel number and its corresponding battery level are displayed. If you switch to channel 8, each of the linked channels will be displayed in turn every 3 seconds. If the icon  flashes, it indicates that the pool thermometer of the current channel has low power.
- ❷ **Water temperature and MAX/MIN values:** The water temperature is displayed in real-time, along with the maximum and minimum values for the past 24 hours (24h) or all-time (All).
- ❸ **Water temperature comfort level:** The current water temperature is shown to be in the cold /comfort / hot state. The comfort range is set to 78°F to 86°F (25.5°C to 30°C) by default. This can be set using the action button, as explained in the Operation Instruction of Buttons on the Indoor Monitor (Receiver).
- ❹ **Time:** The time can be displayed in either 12-hour or 24-hour format. This can be set using the action button, as explained in the Operation Instruction of Buttons on the Indoor Monitor (Receiver).
- ❺ **Indoor icon and battery level:** The indoor area and battery level of the (Receiver) are displayed. If the icon  is flashing, it indicates low battery power.
- ❻ **Indoor real-time temperature:** The indoor ambient temperature is displayed in real-time, which is the temperature at the location of (Receiver), with a display accuracy of $\pm 0.1^{\circ}\text{C}/^{\circ}\text{F}$.
- ❼ **Indoor real-time humidity:** The indoor ambient humidity is displayed in real-time, which is the humidity at the location of the (Receiver), with a display accuracy of $\pm 1\%$.

Operation Instruction of Buttons on the Indoor Monitor (Receiver).



- Press once to select the time display mode for the max/min values;
- Long press to reset the max/min record;
- In the setting state, press to decrease the parameter.



- Press once to change the temperature unit;
- Long press to enter the setting mode.

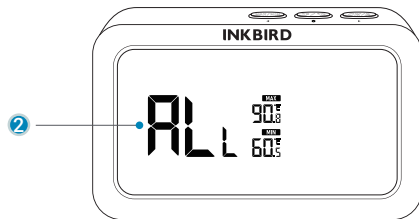


- Press once to switch the channel;
- Remove all of the paired pool thermometers;
- In the setting state, press to increase the parameter.

After entering the setting mode:

1. When "12h" is blinking at the position for time, press the ◀ or ▶ button to switch to "24h", then press the ○ button to go to step 2;
2. The hour parameter of time will flash. Press the ◀ or ▶ button to adjust the hour parameter, then press the ○ button to go to step 3;
3. The minute parameter of time will flash. Press the ◀ or ▶ button to adjust the minute parameter, then press the ○ button to go to step 4;
4. The icon "COLD" will flash. Press the ◀ or ▶ button to adjust the parameter (when the water temperature is lower than this value, it is cold), then press the ○ button to go to step 5;
5. The icon "HOT" will flash. Press the ◀ or ▶ button to adjust the parameter (when the water temperature is higher than this value, it is hot), then press the ○ button to complete the setting.

Tips: If any of the above steps do not require adjustment, just click "○" to proceed to the next step.



Press the MAX/MIN button once to display and flash the current recording period of max/min values. Press it again to select either 24H or ALL. Confirm and wait for the flashing to stop, which means you confirm your selection.

- ① The displayed MAX and MIN values represent the highest and lowest values recorded in the past 24 hours.
- ② All time and it displays the MAX and MIN values which are the highest and lowest values since starting up or the last recording reset.

Note: After resetting records or rebooting, the MAX and MIN values will be recorded over again.

- **Battery:** 2*AAA 1.5V (included)
- **Transmission Distance:** up to 300 meters (980ft) in open space (if there is interference, the transmission distance will be limited.)

Indoor Monitor (Receiver)

- **Temperature measurement range:** -10°C~60°C (14°F~140°F)
- **Temperature measurement accuracy:** $\pm 1.0^{\circ}\text{C}$ ($\pm 1.8^{\circ}\text{F}$)
- **Temperature display accuracy:** 0.1°C (0.1°F)
- **Humidity measurement range:** 0~99%
- **Humidity measurement accuracy:** $\pm 5\%$
- **Humidity display accuracy:** 1%
- **Maximum number of thermometer channels supported at the same time:** 3

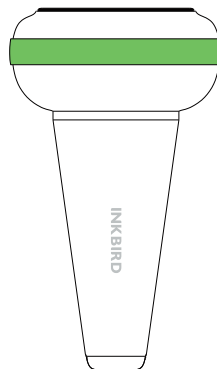
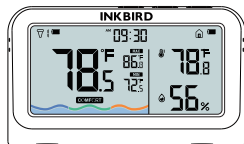
Pool Thermometer (Transmitter)

- **Temperature measurement range:** -40°C~70°C (-40°F~158°F)
- **Temperature measurement accuracy:** $\pm 1^{\circ}\text{C}$ ($\pm 1.8^{\circ}\text{F}$)
- **Temperature display accuracy:** 0.1°C (0.1°F)

- **Power:** 3.7V 500mAh 1.85Wh
- **Sampling period:** 5s
- **Waterproof grade:** IP68
- **Warranty:** 1 year

05

Add Sub-Devices



- Firstly, make sure the batteries of the indoor monitor (receiver) are installed correctly and working properly.

- b. Secondly, make sure that the pool thermometer (transmitter) is turned on, and place the thermometer as close to the indoor monitor (receiver) as possible. And press the black button on the thermometer to pair.
- c. Once the indoor monitor (receiver) receives the data sent from the pool thermometer (transmitter), the connection between them is established automatically, and the monitor (receiver) will complete adding a sub-device and display the channel number of the pool thermometer (transmitter).

Note: If you fail to add sub-devices, please restart the pool thermometer (transmitter), and repeat steps b~c to add the device.

06

Precautions for Use



- a. Please do not disassemble the product if you are not a professional.
- b. Be sure that the sensor is not covered with dust as dust may lead to inaccurate measurements.
- c. Do not use alcohol to clean the sensor.
- d. Do not dispose the product in a fire as it may explode. Please observe local regulations for proper disposal of discarded electronic products.
- e. Remove from pool when not in use or while cleaning the pool so unit is not damaged by skimmers or other devices.
- f. The pool thermometer's temperature measurement range is -40°C to 70°C (-40°F to 158°F), making it unsuitable for use in

extreme temperatures below -40°C/-40°F or above 70°C/158°F.

g. The indoor monitor's temperature measurement range is -10°C to 60°C (14°F to 140°F), making it unsuitable for use in extreme temperatures below -10°C/ 14°F or above 60°C/140°F.

h. The humidity measurement range of the indoor monitor is 0% to 99% RH. It should be kept away from environments with high temperatures or high humidity.

07 Troubleshooting

Fault Phenomenon	Possible Cause	Possible Solution
The icon  of the pool thermometer flashing or the screen goes blank.	The battery is low because the product has not been charged by solar power for a prolonged period.	Leave the product in direct sunlight for 10 hours, the stronger the sunlight the better, then restart the product.
The icon  of the indoor monitor flashing or the screen goes blank.	The batteries are installed upside down.	Reinstall the batteries.

Fault Phenomenon	Possible Cause	Possible Solution
The indoor monitor is providing inaccurate temperature and humidity readings.	The air outlet is blocked.	Remove the blockage.
	Water has infiltrated the air outlet.	Leave the product in a dry and well-ventilated place or wipe it dry using kitchen paper.
The indoor monitor displays “H”	The temperature is higher than the product's measurement range.	Please operate within the designated measurement range of the product. Transmitter: -40°C~70°C (-40°F~158°F) Receiver: -10°C~60°C (14°F~140°F)
The indoor monitor displays “L”	The temperature is lower than the product's measurement range.	
Receiver disconnects/loses connection to pool thermometer(Transmitter)	No pairing was performed	Hold the pool Thermometer (Transmitter) close to the Receiver and press the black button on the pool Thermometer (Transmitter).
	The distance is too far to disconnect	
	The pool thermometer(Transmitter) has run out of power.	Place pool Thermometer (Transmitter) in direct sunlight for 10 hours to fully charge.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of

20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

09

IC Warning

- This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).
- Operation is subject to the following two conditions:
 - (1) This device may not cause interference.
 - (2) This device must accept any interference, including interference that may cause undesired operation of the device.
- The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

- *L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.*
- *L'exploitation est autorisée aux deux conditions suivantes :*
 - (1) L'appareil ne doit pas produire de brouillage;*
 - (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*
- *Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.*
- *Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur.*
- *Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.*

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Customer Service

This item carries a 1-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge. For any problems in use, please feel free to contact us at support@inkbird.com. We will do our best to help you.

Shenzhen Inkbird Technology Co.,Ltd.

support@inkbird.com

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