JohnPoint®

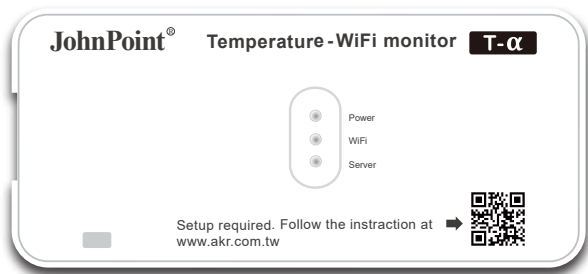## Wi-Fi Temperature Management Tracker

Instruction Manual

Model : T-α Temperature Tracker / HT-α Temperature & Humidity Tracker

JohnPoint® Temperature - WiFi monitor T-α

○ Power
○ WiFi
○ Server

Setup required. Follow the instruction at
www.akr.com.tw

* Thank you for purchasing the JohnPoint Wi-Fi Temperature/Humidity Management Tracker
  (hereinafter referred to as "the product").
* Before use, please read this manual and the app agreement carefully to ensure proper and safe
  operation.

CONTENTS

Package Contents

① WiFi Gateway Unit...1 unit

② Wired High-Precision Temperature Probe / Temp-Humidity Tracker ..... 1 unit

③ USB Cable .... 1 unit

④ USB Power Adapter .... 1 unit

⑤ Hook and Loop Fastener (Velcro) .... 1 pair

⑥ Instruction Manual & Warranty Card .... 1 copy

Product Verification

* Please verify all items (No.① to ⑥). If any item is missing or damaged,
please contact us with the product model (WiFi T-α / WiFi HT-α).

> * We reserve the right to modify product specifications and contents
> without prior notice. For the latest information, please visit :
> https : //ta.akr.com.tw/

CANNEX TECHNOLOGY INC.

Safety Precautions (Must be followed)

⚠ **WARNING** Risk of serious injury or death

● Do not disassemble or modify the device.

< Risk of fire, electric shock, or malfunction >

Unauthorized disassembly will void the warranty.

● Keep out of reach of children.

< Risk of swallowing small parts >

⚠ **CAUTION** Risk of injury or property damage

● Handle with care during installation/removal.

  < May cause device damage >

● Do not use under the following conditions:

   (1) Direct sunlight

   (2) Unstable or hazardous environments where falling may occur

   (3) Areas prone to static electricity

   (4) Locations significantly different from normal living environments

   (5) Humid conditions

● Do not install in environments that may interfere with Wi-Fi (radio wave) signals.

   If interference occurs, take measures such as changing the installation location.

● Regularly check for proper radio wave transmission and perform appropriate

   maintenance.

   ■ Cleaning Method

   (1) Wipe the device with a soft cloth.

   (2) Do not use thinners or wax.

Pre-Use Environment Check

● Verify indoor internet connectivity :

Ensure network accessibility (e.g., Chunghwa Telecom ADSL modem).

● Confirm wireless router (user-provided) :

Set to AP (Access Point) mode.

● Ensure mobile device connects to internet :

Via the wireless router.

● Check indoor wireless router :

Bridge mode disabled.

Temp-Humidity Tracker Version Notes

● Install in a stable area representative of the environment's temperature

and humidity.

※ Note : In a stable environment, the tracker requires 120 seconds to

acclimatize.

※ Avoid :

(1) Areas with rapid temperature/humidity changes.

(2) Strong airflow or stagnant dead zones.

(3) Saline mist or corrosive atmospheres.

※ Do not place in freezers or condensation-prone areas to prevent sensor

damage.

Note : We reserve the right to modify specifications and functions without prior notice.

1 Features

(1) This product uses temperature trackers to transmit on-site environmental data via WiFi to a designated server, delivering temperature information to a mobile app with alerting and data management functions.

(2) Designed for specialized professional environments, e.g. : large cold storage, blood banks, pharmaceutical facilities, greenhouses, and other sites requiring long-term temperature monitoring.

(3) Compact and easy to deploy with simple DIY setup, reducing installation cost and dependency on technical personnel.

(4) The companion app "Temperature Notifier" supports adjustable temperature ranges and timing for alerts. (Contact us for more custom features.)

(5) Operates independently with mobile app alerts to monitor failures or abnormalities in control systems.

(6) Requires iOS (15.0+) or Android (8.0+) with dedicated app.

iOS QR Code

Android QR Code

Temperature Alert APP

● For additional features, refer to the "Temperature Notifier" APP – Premium upgrade (paid plan).

Benefits : Eliminates manual data logging, reduces labor costs and human errors – an essential

tool for quality assurance documentation.

Compatible with:
iOS 15.0+ or Android 8.0+

2 | Specifications

Wireless / Communication Specifications	
Communication Method	WiFi
Signal Range	Operates within any WiFi coverage area
WiFi Requirements	Connect to a stable AP WiFi router. Weak router power, signal interference, or attenuation may require a wireless extender or repeater. *Note : This device cannot connect to web-based authentication WiFi networks.
Wireless Standard	IEEE 802.11 b/g/n
Frequency	2412~2462 MHz
Protocol	TCP/IP

Electrical Specifications	
Dimensions / Weight	75 x 35 x 11 (mm) / 55g (with probe)
LED Indicators	Blue/Green/Red
Operating Temperature	-10~70°C (*Do not place the unit directly in freezing or refrigerated spaces)
Operating Current	80 mAh
Power Supply	Micro USB / Adapter input : 100–240V AC (wall outlet)
Power Requirement	USB +5V
Probe Cable Length	Standard 1.5m (Optional : 3m / 5m / 10m available)
Probe Operating Temperature Range	-30~70°C

Note : This product cannot operate during a power outage.

Recommendation : Purchase a USB dual-mode UPS (supports power outage scenarios).	
Rated Voltage	5V
Rated Capacity	5000 mAh (or higher)
Important	If the local WiFi equipment loses power during an outage, connectivity will be lost. The backup power can support up to 24 hours of operation without grid power.

Product Diagram
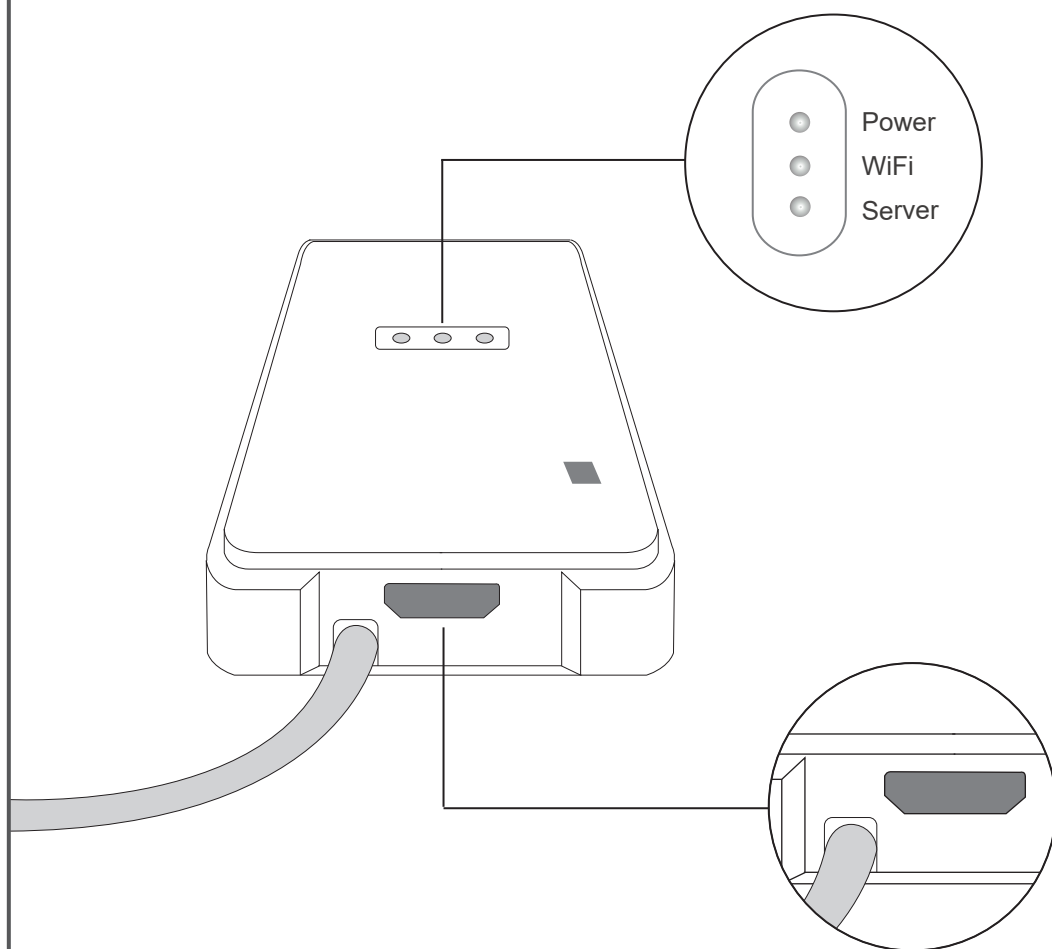
(1) LED Indicator Description :

Power (Red) : Solid light indicates normal power supply.

WiFi (Green) : Solid light indicates stable WiFi connection.

Server (Blue) : Solid light indicates successful data transmission to the cloud server.

* After installation, if any LED blinks, it indicates a connection failure for that function.

(2) Probe Cable Routing Diagram

Power
WiFi
Server

(Left) Probe Cable Socket, (Right) USB Power Socket

4 | Hardware Installation

(1) Probe Replacement & Usage Notes :

To change the probe length, press the side connector to release — do not pull the cable directly.

The probe uses a male-to-female terminal connector. Ensure it is securely locked into place.

(Ignore this step for temperature/humidity models.)

※ Note :

- Avoid pulling the probe cable to prevent communication issues.

- Do not submerge the probe or sensor in water — it is not waterproof.

(2) Mounting with Hook and Loop Fastener :

Clean and dry the mounting surface. Peel off the adhesive backing and press firmly onto the

wall to secure the unit.

Press here with left hand

Squeeze both sides with right hand to release

5　Hardware Installation Method
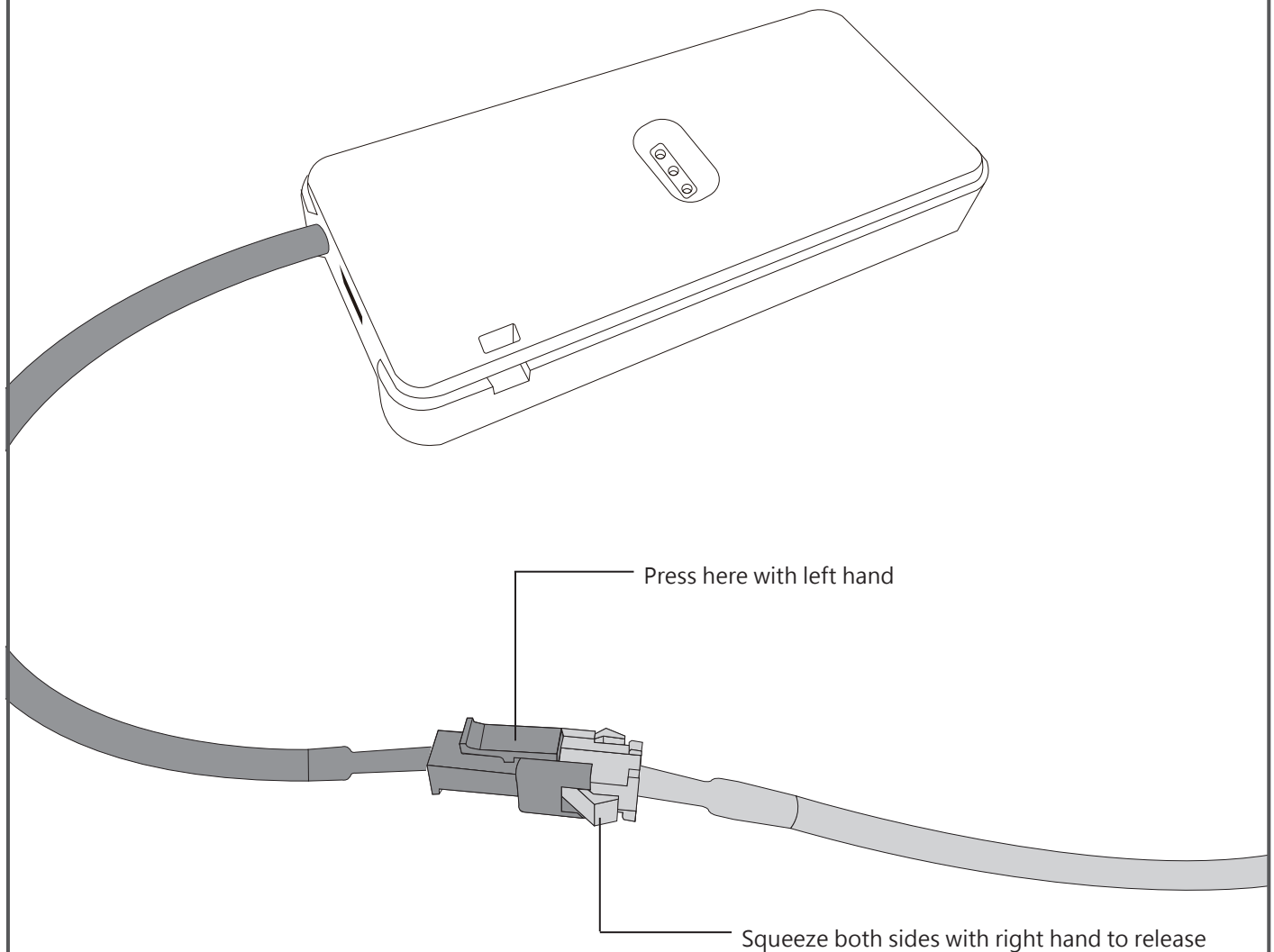
(1) Power Adapter :

Compatible with 100–240V AC wall outlets. Connect correctly as shown in the diagram below.

The optional dual-mode UPS is also compatible with 100–240V AC outlets.

(2) Probe Installation :

For freezer/refrigerator installations, consult a professional to drill holes and route the cable.

This helps maintain thermal insulation efficiency.
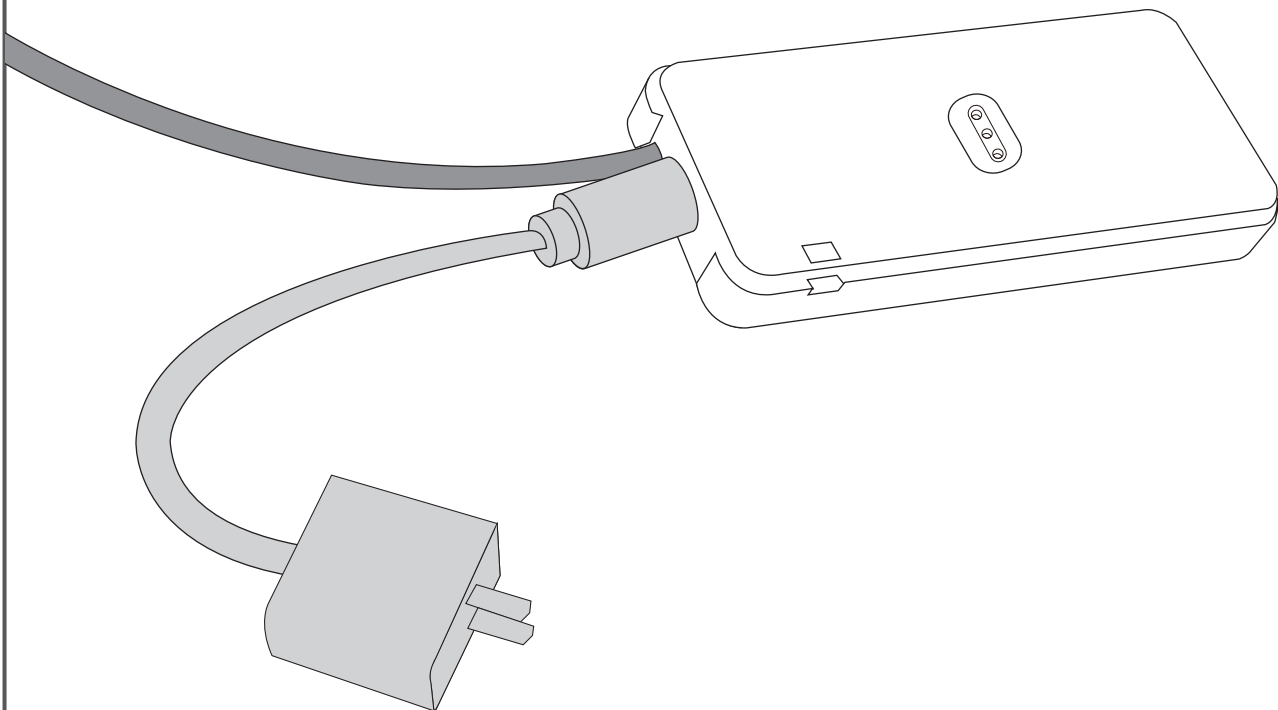
6 Warranty Terms

(1) This product is guaranteed against defects in materials and workmanship under normal use during the warranty period. Defective products will be repaired free of charge in accordance with our company' spolicies.
Please present the warranty card and the product at the store of purchase.

(2) Repair fees may apply even within the warranty period under the following circumstances :

1. Proof of warranty cannot be provided.

2. Required warranty information is missing or altered.

3. Malfunction results from improper use or accidental damage.

4. Damage caused by impact during transport or relocation.

5. Failure or damage due to natural disasters, contamination, abnormal voltage, or other external causes.

6. Product was purchased through transfer, auction, resale, or other unauthorized channels.

(3) Warranty is void if the product has been modified or repaired by the customer.

(4) We are not liable for any direct or indirect damages caused by product malfunction or use.

(5) We are not responsible for loss or damage of data or programs resulting from the use of this product.

(6) We are not liable for any personal injury, social harm, or property damage resulting from the use or integration of this product in medical, nuclear, aerospace, or other high-reliability systems.

(7) You may be responsible for shipping costs incurred when mailing the product for repair or bringing it to an authorized service center.

(8) Please keep the warranty card carefully, as it will not be reissued. Warranty is valid only in Taiwan.


Disclaimer：
No liability is assumed for any loss or consequential product damage due to failure in signal transmission, power interruption, or power outage caused by environmental factors.

JohnPoint® Cannex Technology Inc. Warranty Certificate

Model：_____   Serial No：_____

Purchase Date：_____Year _____ Month _____ Day
Customer Name：_____Tel：_____
Address：_____

Seller：_____
Tel：_____
Address：_____
Representative：_____

• 2-Year Hardware Warranty •

7 Device WiFi Connection, Environment Setup, and Mobile Binding

(1) For first-time use, please register an account and password in the APP.

(2) After entering the interface, tap the "+" icon in the upper-right corner.
The APP will guide you through the device WiFi connection process.

(3) On the "Add Device" screen, select the appropriate option based on
your device.

(4) On the welcome screen, tap "Start".

(5) Follow the on-screen instructions in the APP to complete the setup.

8 Restart the device after WiFi configuration

(1) Unplug the power adapter, then reconnect it. Note : Wait at least 10 seconds
after unplugging before reconnecting to power. Ensure the red, green, and
blue LEDs remain solid after power restoration.

Unplug the power adapter first
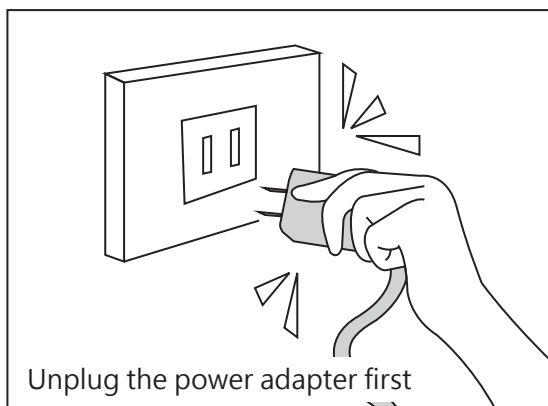
※ Note : If the green and blue LEDs are blinking, the WiFi
configuration is incorrect. Please verify the WiFi
credentials and reconfigure.

(2) Confirm whether the red, green, and blue LEDs are solid.

LED Indicators

Red : Power

Green : WiFi

Blue : Server

Power
WiFi
Server
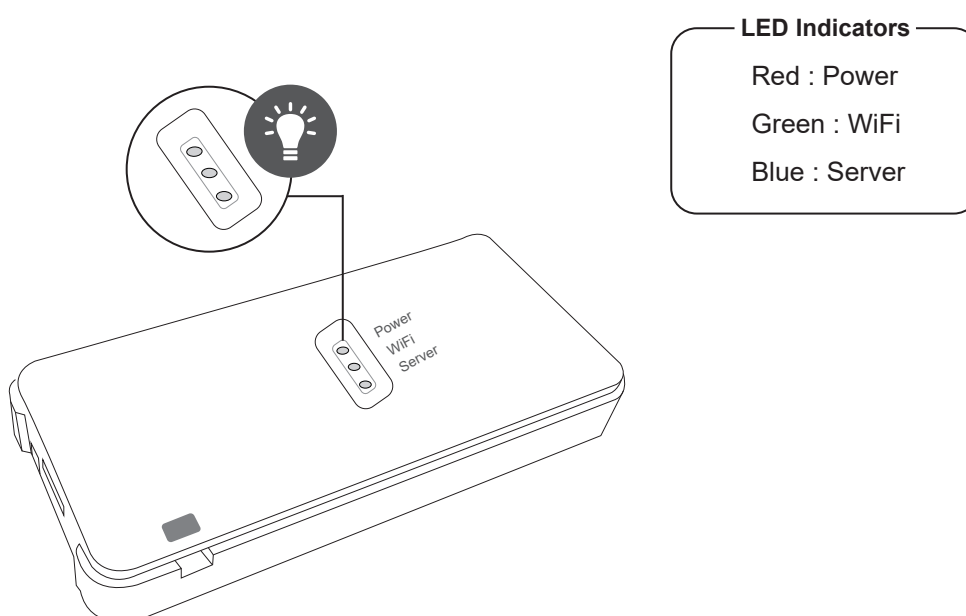
WiFi T-α APP

(1) Mobile Operation Specifications / Parameter Settings Range

- Device name customization

- Device ID binding

- Temperature display range : -30~70°C

- Humidity display range : 0~100% (for temperature/humidity version only)

- Add installation location photos for management

- Temperature probe offset compensation : -9.9~9.9°C

- Alert delay time : 0~30 Min

- Network disconnection alerts

※ Note : An external UPS battery is required to maintain operation during power outages.
    The environmental WiFi AP equipment must also be UPS-supported to ensure
    normal functionality and cloud signal upload during power failures.

Adding a Temperature Sensor Device in the APP

(1) Tap the "+" icon in the upper-right corner of the screen and select "Start Binding".

(2) Enter the Device ID and Name. Refer to the ID code printed on the device.
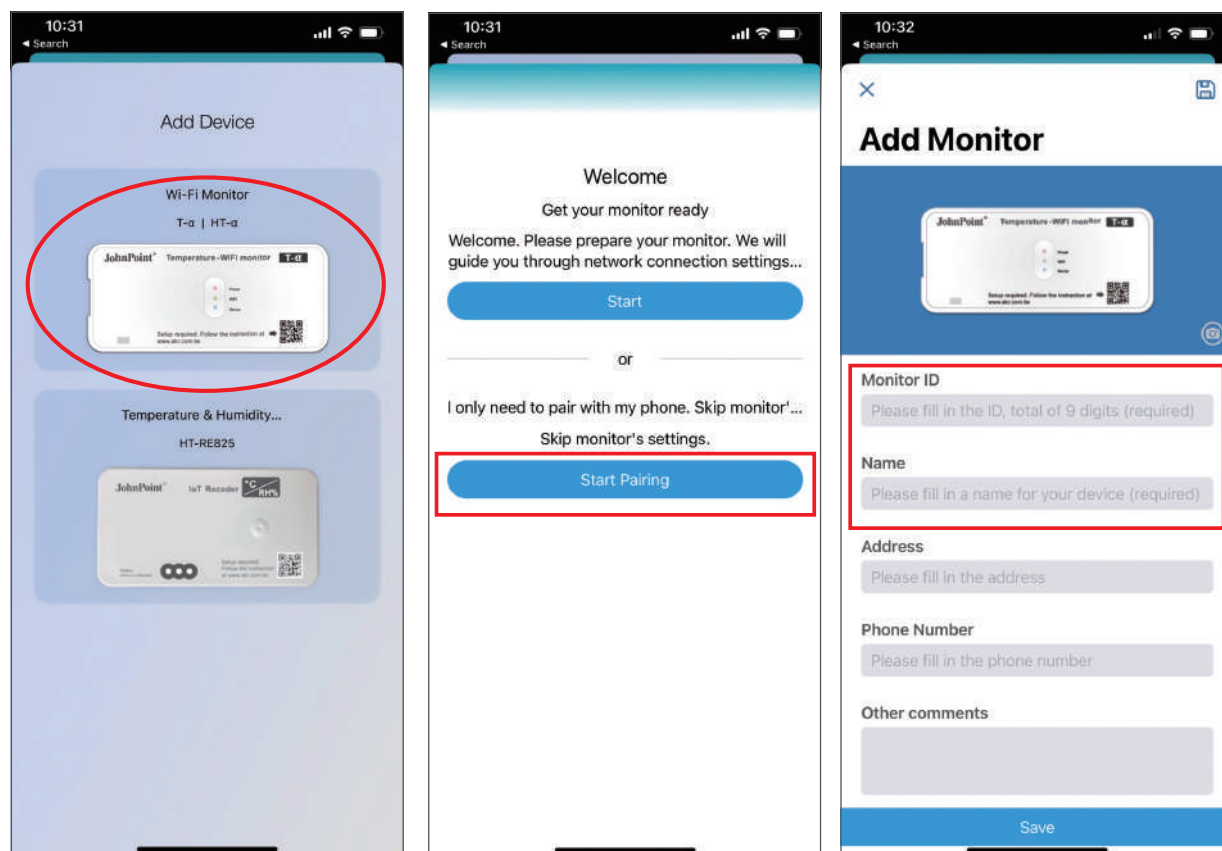
Device Configuration Settings

(1) Tap "Settings" at the bottom of the screen.

(2) On the device configuration interface, enter temperature settings, alarm
    parameters, address, or other remarks.
    Tap "Save" in the upper-right corner to confirm.

(3) If the tracker goes offline or the WiFi
    environment changes, reconnect the
    device to WiFi.

12 About the "Temperature Alert" APP

(1) Software features and interface may be updated or modified. Please refer to the latest electronic manual for the most current information.
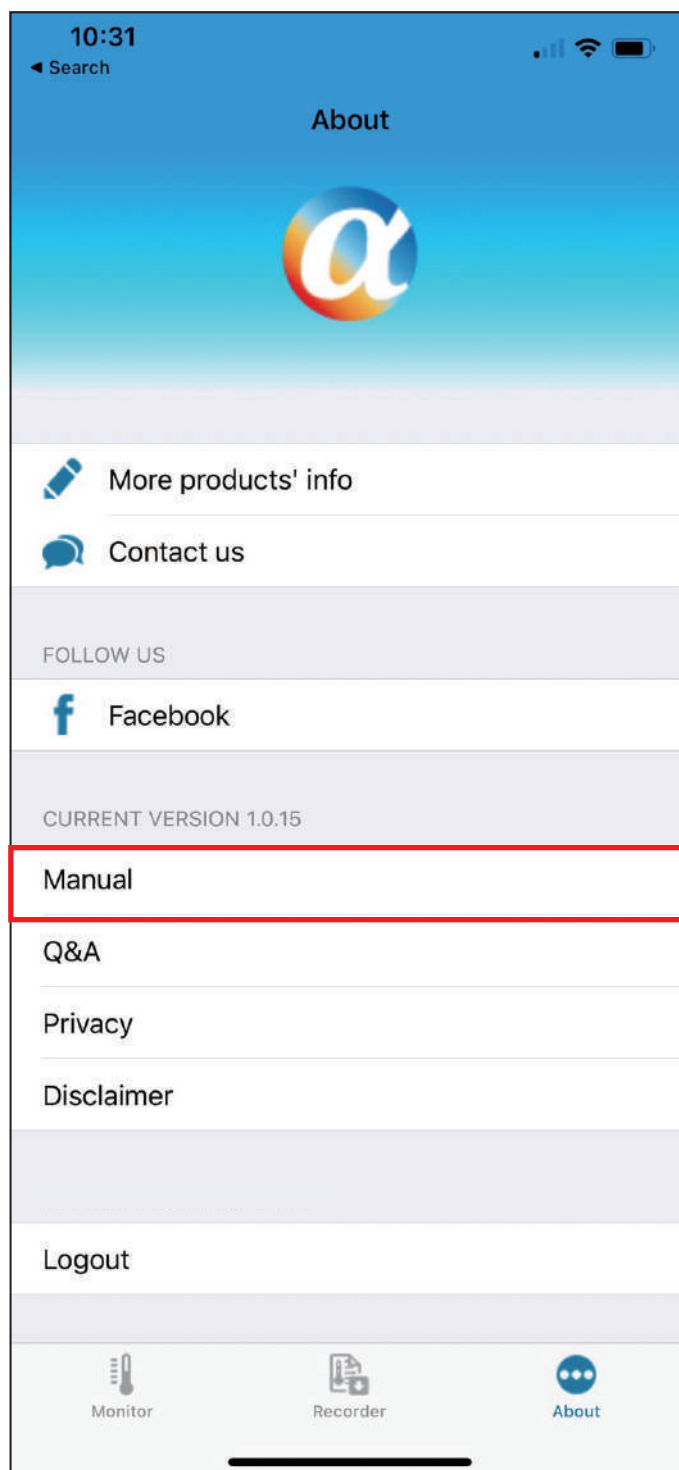
1) If the three indicator lights still do not remain solid after following the setup steps

* If the green WiFi indicator is not solid, prioritize the following solutions :

(1) Ensure your WiFi network operates on a 2.4GHz wireless frequency.

(2) Poor WiFi signal may be the cause. Verify network stability or relocate the device to an optimal position.

(3) Confirm the WiFi password was entered correctly.

2) If the red and green lights are solid but the blue light continues to blink (indicating failure to connect to the server)

(1) Ensure that Bluetooth permissions are enabled for the "Temperature Alert" app.

• During tracker setup (as shown in Figure 1) or navigate to :

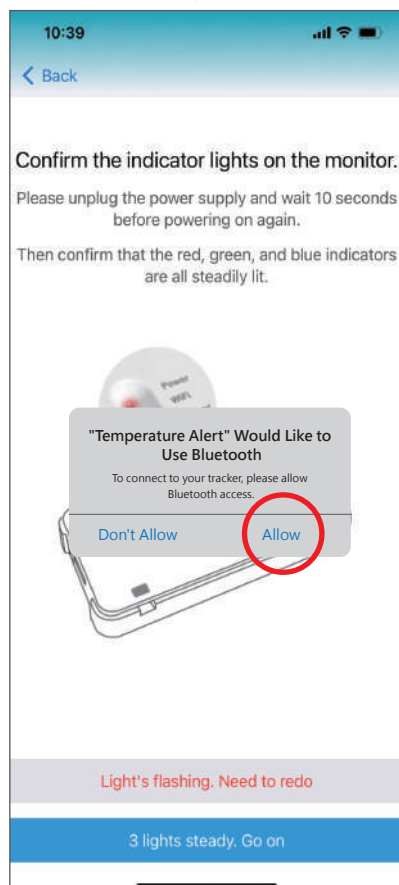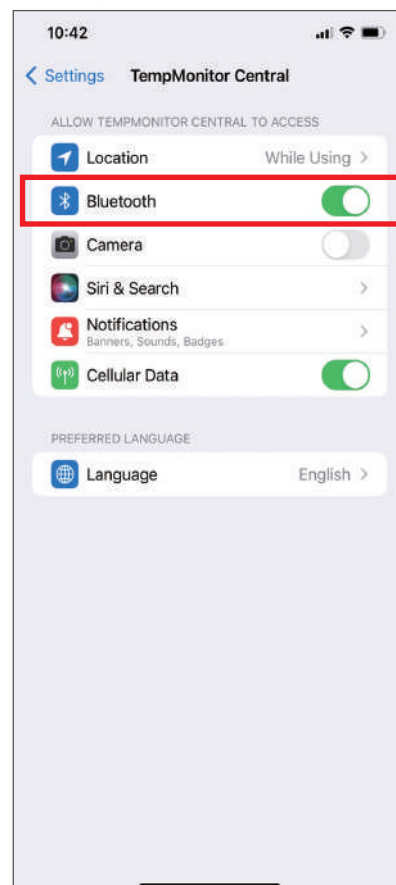• Phone Settings → Temperature Alert (see Figure 2 for iOS example).

Figure 1

Figure 2 (iOS example)

(2) If the issue persists after completing step (1), please contact customer support.

3) If the "Temperature Alert" APP fails to update temperature data continuously or displays intermittent readings :

    (1) The wireless signal in the environment may be weak. Try optimizing the placement of your wireless router.

    (2) Interference from nearby metal objects or walls may be affecting performance. Relocate the temperature sensor to determine if the issue resolves.

4) For faster troubleshooting when contacting customer support, please provide the following information :

    (1) Brand and model of the mobile device used for WiFi configuration.

    (2) Mobile operating system version.

    (3) Application version of the "Temperature Alert" APP.

    (4) Manufacturer and model of the WiFi router in the usage environment.

    (5) APP username (registered email address).

Contact customer support for technical assistanc

Email : sales@akr.com.tw

Tel : 04-8613883

Hours : Mon~Fri (8 : 00 AM~5 : 00 PM)

CANNEX TECHNOLOGY INC.

AKR

Since1991
Design and manufacture
/ Made in Taiwan

http : //www.akr.com.tw
Tel : +886-4-861-3883(Rep) Fax : +886-4882-8209
Add : No.182,Sec.2,Yuanlu Rd.,Sihu,Changhua, 51449,Taiwan