



# IOTemp Link User Manual

# 1. Product Introduction

Welcome to purchase Jingchuang IOTemp-Link series networking partners. Please read this manual carefully before use to avoid illegal operation that may cause harm to you and your products

The IOTemp-Link series is a wireless networking solution specifically designed for smart instrument devices, dedicated to providing efficient and stable data connection services for refrigeration tool maintenance scenarios. It connects quickly with maintenance equipment via Bluetooth, collects critical data in real-time during the repair process, and transmits this data directly to the cloud platform via 4G network, enabling remote monitoring of device status and early warning of abnormalities. The product features five intelligent indicator lights (power, networking, internet, operation, and battery) that clearly show the status. Equipped with long-lasting lithium batteries, it supports prolonged operation in complex outdoor environments. This helps maintenance teams quickly identify faults, optimize repair procedures, effectively reduce the failure rate of refrigeration equipment, and enhance operational efficiency.

# 2. Safety Instruction

1. Do not use near medical equipment and precision instruments to prevent bluetooth /4G signal interference.
2. Avoid contact with water, oil or corrosive liquids. Do not use in high temperature ( $> 60^{\circ}\text{C}$ ) or humid environment for a long time.
3. Do not disassemble or modify the device security Settings (such as keys, encryption protocols) to prevent data leakage.
4. If the running/fault indicator light remains red, disconnect the power supply immediately and contact technical support. Do not repair it yourself.
5. Keep the battery at 50% to 70% charge for long storage to extend battery life.

### 3. Environmental Protection

1. At the end of the service life of the product, please recycle according to local regulations. Do not throw it away at will to avoid environmental pollution.
2. Please recycle the scrapped old batteries according to local regulations. Do not dismantle or burn the batteries privately to avoid environmental pollution.
3. When the product is not used, please turn off the power supply to reduce energy consumption.

### 4. Summary



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1. Status indicator light	5. Charging interface
2. Power button	6. SIM card interface
3. External sensor interface	7. Information labels
4. Serial number label	

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## 5. Key Function

power switch	Long press: Turn on/off the power
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## 6. The Indicator Light Indicates

Icon	Lamp Signal	Paraphrase
	The green light is always on	The 4G network connection is normal
	The red light is always on	4G network anomaly (overdue payment\failure to connect to the network, etc.)
	blinking red lamp	SIM card exception (not detected)
	The green light is always on	The server is connected properly
	The red light is always on	Not connected to the server
	blinking red lamp	The GUID\server address\password is missing
	The green light is always on	Connect the phone to Bluetooth normally
	The light goes off	Not connected to the mobile APP
	The red light is always on	Bluetooth chip is abnormal
	The green light is always on	The connected device is normal
	The light goes off	No connected child device
	The green light is flashing	The equipment is operating normally
	blinking red lamp	Abnormal operation of the device
	blinking red lamp	Charging
	The green light is flashing	Battery fully charged
	The green light is always on	Power is normal
	The red light is always on	Low power

## 7. Specifications

Bluetooth module	edition	Bluetooth 5.1
	transmission distance	100 m (unobstructed environment)
	Maximum number of connected devices	No more than 5 units (Bluetooth devices)
	Communication Frequency	1S/ time
4G module	Upload frequency	1 Min/step
performance parameter	Local cache capacity	30,000 pieces of data (automatically cached when the network is disconnected, and transmitted after the network is restored)
electrical character	battery capacity	5000mAh 3.7V rechargeable lithium battery
	charging voltage	5V/2A
	Battery life	50H
	Charging time	About 2.5H (compatible with 5V/2A charger)
	Charging port	Type-C joggle
Hardware and environment	product size	L100*W35*H130mm
	Product weight	400g
	levels of protection	IP54
	service environment	Working temperature: -10~50 °C 35%-85%RH Storage temperature: -20~60 °C
	Adaptation equipment	LMG-10W, DMG-4B, DMG-5B, MS-1000S, MS-100, MS-100PLUS, VGW-760Pro, LMC series refrigerant scale

# 8. APP Operation Steps

## 8.1 APP download

1. IOS: Search for "Elitech Tools" in APP Store.



2. Android: Search for "Elitech Tools" in Google Play

3. Scan the QR code to get the APP.

Compatibility: Apple supports version 11.0 and above, Android supports version 5.0 and above.

## 8.2 User registration/login

1. Open the "Elitech Tools" APP and click the icon in the upper left corner of the Home page.
2. Enter the Menu and click Login.
3. Select Register/Login to register/login user information.

## 8.3 Add host devices

1. After registration/login, click Add Device  in My Device interface.
2. Manually enter the SN serial number on the product back information label or scan the QR code to add the device.
3. After complete, My Device interface displays device information.

## 8.4 Bluetooth connection

1. Turn on the product, open the "Elitech Tools" APP, click Online Equipment, Click Bluetooth Connection to enter the working page.
2. Click Sub-device, go to My Device, and click Add Device, When the device is successfully paired, it will be displayed online.

Note: When pairing the sub-device, make sure that both the host and the sub-device are close to the phone, otherwise the pairing will be affected.

3. Select the working scenario for testing.

## 8.5 Remote connection

1. When the product is turned on, open the "Elitech Tools" APP, click on **Online Equipment**, click on the equipment list, and enter the working page.

2. Click on **Sub-device**, enter **My Device**, click **Add Device**, equipment matching, after the success of **online**.

Note: When pairing the sub-device, make sure that both the host and the sub-device are close to the phone, otherwise the pairing will be affected.

3. Select the working scenario for testing.

## 9. Web Operation Steps

1. Open the computer browser and enter the web page:  
<http://hvacr.i-elitech.com/>

2. User registration: click the **Regisier Now**, registered accounts.  
User login: enter account and password, click **Sign In**, login account.

Note: the web side and APP for the same account, if the APP has registered an account, can log in directly on the web end.

3. Check equipment data information after login successfully.

Note: For more product operation steps, please scan 10 More details QR code to Check the detailed instruction manual

## 10. More Details

Scan the QR code for instructions in your language.

Scannen Sie den QR-Code für Anleitungen in Ihrer Sprache.

Scannez le code QR pour les instructions dans votre langue.

Scansiona il codice QR per le istruzioni nella tua lingua.

Escanea el código QR para obtener instrucciones en tu idioma.

Digitalize o código QR para obter instruções na língua da sua escolha.

Scan de QR-code voor meer gedetailleerde productbeschrijvingen.  
Daha ayrıntılı ürün açıklamalarına ulaşmak için lütfen QR kodunu tarayın.

Для получения более подробной информации о продукте, пожалуйста, отсканируйте QR-код, чтобы получить его.  
QRコードをスキャンして、お好きな言語の説明書をご覧ください。



## 11. Family Products

### Elitech Tools



Scan the QR code to download APP

