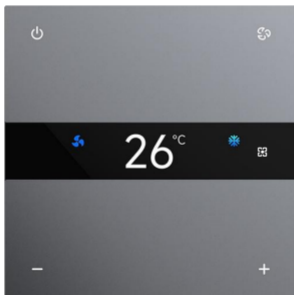


LTECH

Super Smart Thermostat Panel

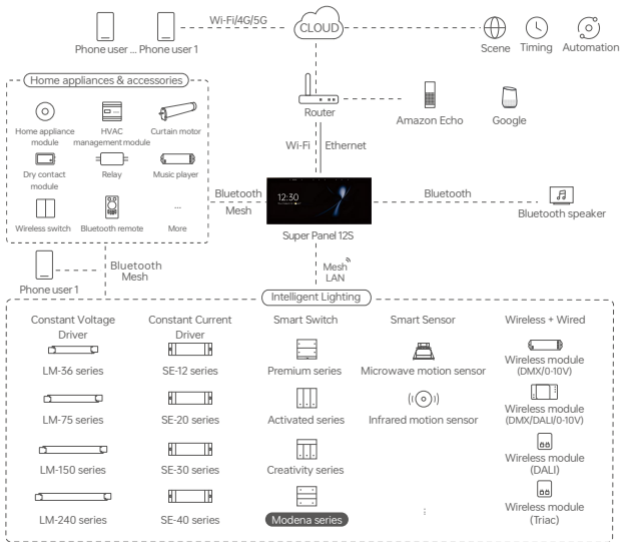
Model: G4 TE



Manual

www.ltech-led.com

System Diagram



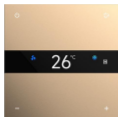
Product Introduction

The G4 TE Super Smart Temperature Control Panel integrates air conditioning and fresh air functions, compatible with multiple brands/models. With high-precision CNC aluminum alloy buttons for 24K gold-like luxury, it's designed for one-to-one duct air conditioner setups. Working with our central HVAC module, it enables integrated control for homes/commercial spaces. This product supports remote control via a mobile phone APP, allowing users to easily set the temperature and make adjustments Parameters such as wind speed. Even in the absence of a network connection, the G4 TE can operate independently, ensuring the basic functions used normally, it greatly enhances the convenience of use and the comfort of the environment.

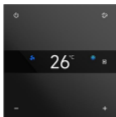
Technical Specs

Model	G4 TE
Wireless Type	Bluetooth 5.0 SIG Mesh
Power Method	L/N
Input Voltage	100-240V~, 50/60Hz
Standards	GB/T 16915.2-2012
Working Environment	-20°C~55°C , Humidity≤80%RH
Net Weight	180g
Dimensions	86×86×42.5mm (L×W×H)
Colors	Lamborghini Gold/Bugatti Black/Ferrari Red/Pagani White Alfa Romeo Silver/Maserati Gray/24-Karat Gold/Noble Silver

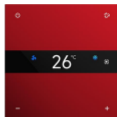
Color Matching



Lamborghini Gold



Bugatti Black



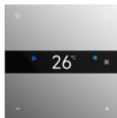
Ferrari Red



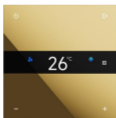
Pagani White



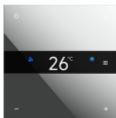
Maserati Gray



Alfa Romeo Silver

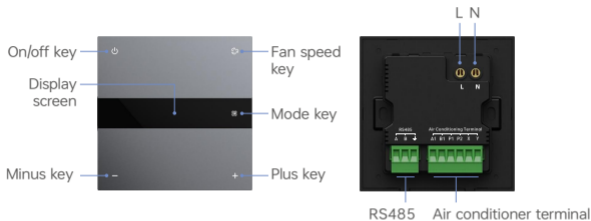


24-Karat Gold



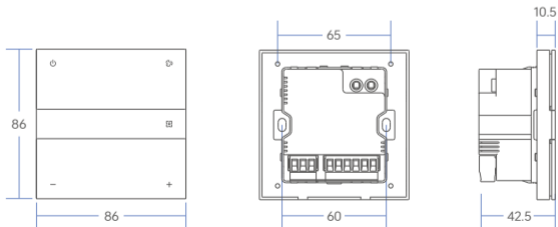
Noble Silver

Product Overview



Product Size

Unit: mm



Power Button



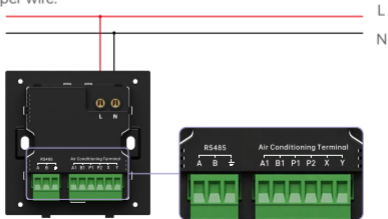
- ⏻ On/off key: Short press power on/off. Factory default: AC + fresh air (short press to toggle). Long press 2s for timer interface; long press again to edit. Short press power key to toggle timer; long press to exit editing.
- ⚙️ Fan speed key: Short press to switch fan speed (High/Medium/Low/Automatic). Long press to enter air direction editing interface. Short press the fan speed key to switch air direction (Up/Middle/Down/Swing). Long press the fan speed key again to exit editing.
- 🔲 Mode key: Short press to switch modes (Cooling/Heating/Air Supply/Dehumidification). Factory default: AC - Cooling mode. Long press the Mode key to switch between AC and fresh air (valid only when the temperature control type is AC + fresh air).
- Minus key: Short press to decrease temperature. If in timer editing interface, short press to decrease timer.
- + Plus key: Short press to increase temperature. If in timer editing interface, short press to increase timer.
- * Press and hold both the "+" and "-" keys simultaneously for 5 seconds to activate Child Lock mode. The display will show "🔒", locking all settings. Repeat the process to exit.

Installation Steps

- ① Turn off the main power switch and make sure there is no mud or other attachments on the inner wall of the 86 junction box. Reduce the length of the power cord in the junction box to about 10CM and use a flat-blade screwdriver to pry open the bottom box of the smart thermostat panel.



- ② Connect the live wire to the L port of the smart thermostat panel, the neutral wire to the N port. Make sure that the power wire is in good contact with the switch terminal and there is no exposed copper wire.



③ First, fix the bottom box to the wall box with screws, and then align the panel with the buckle and fasten it onto the bottom box, so that the bottom box fits the wall.



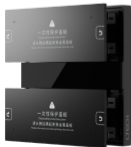
Fixed wall cassette



The panel is fastened onto the bottom box

④ Align the panel with the buckles and snap it onto the bottom box. After removing the disposable keypad, install the corresponding metal keypad, and turn on the main power switch. Press the smart thermostat panel button and the device can be controlled normally, indicating that the installation is correct.

Note: It is recommended to disassemble and assemble the keypad after the decoration is completed.



Remove the disposable keypad



Find the corresponding metal keypad



Close the metal keypad

Wiring Steps

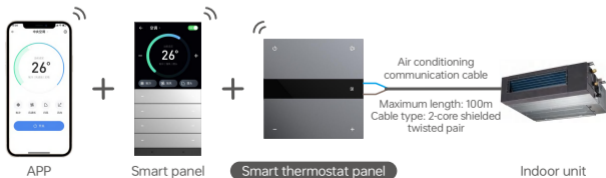
一、 Preparatory work

1. Ensure the air conditioning system is powered on, and check that all indoor and outdoor units connected to the centralized control are fully powered.
2. Confirm the air conditioning system has been successfully debugged and operated by the manufacturer, with no alarms or abnormalities.
3. Disconnect the power supply to all devices in the air conditioning system.
4. Connect the air conditioning communication cables to the corresponding interfaces as instructed (for details, refer to Manual P4).
5. Determine the port selection and communication parameter matching for the smart temperature control panel.
6. Power on the system devices and wait for the system to be ready for use.

Note: The product is initially set to Hitachi air conditioners by default. To select other brands, use the applet to switch or upgrade.

二. When paired with a one-to-one duct machine

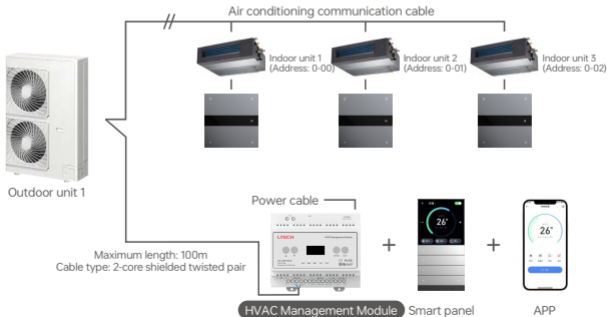
The TE panel replaces the original factory thermostat and enables remote control via an APP.



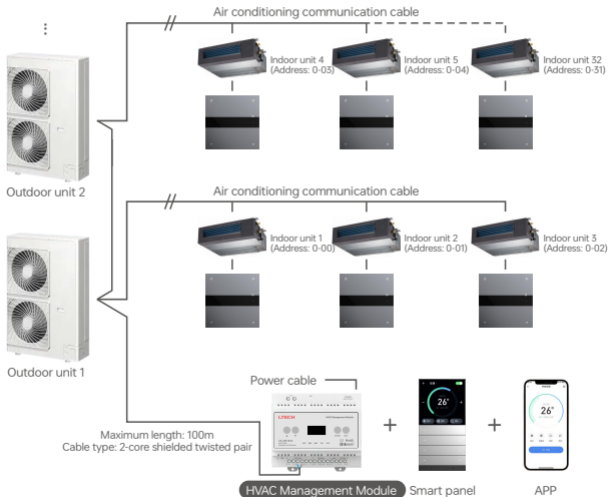
三. For central air conditioning and HVAC systems

The G4 TE panel can replace the original factory thermostat. When paired with the central air conditioning HVAC module (CG-AIR-MAX), it enables remote control via the APP or precise control of individual indoor units through the G4 TE panel. Combining the G4 TE panel with the central air conditioning HVAC module meets the need for centralized control of indoor units.

(1) Single-unit connection



(2) Multi-unit connection



Supported Brands and Instructions

Brands	Wiring method		Wiring polarity	Cable	Coexistence with the original factory wire controller
	Module-side pin	AC-side wiring port			
Daikin-Multi outdoor AC units	P1, P2	P1, P2	No	2-core	Support
HITACHI-Multi outdoor AC units	P1, P2	A, B	No	2-core	Support
HITACHI-Single outdoor AC units	P1, P2	A, B	No	2-core	Support
Hisense-Multi outdoor AC units	P1, P2	A, B	No	2-core	Support
YORK-Multi outdoor AC units	P1, P2	A, B	No	2-core	Support
GREE-Multi outdoor AC units	P1, P2	H1, H2(Panel model XC70, Xc71 ect)	No	2-core	Support

Customers must coordinate with the manufacturer to provide the corresponding communication protocol for our company's confirmation and development before purchasing the fresh air products.

Notes for Wiring Operations

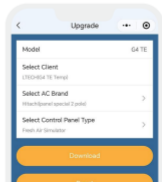
- The wiring terminals of input terminals vary with different control methods.
- Power off both this product and the air conditioner before performing wiring operations.
- Do not route all signal cables alongside power cables or other signal cables, as this may cause malfunctions due to interference.
 - If routing alongside is necessary, maintain a distance of at least 15 cm from air conditioning communication cables and at least 30 cm from other cables; alternatively, route the cables through a steel protective tube and ground one end of the tube.
 - The chassis must be grounded according to Type D grounding requirements.
- If the power cable is incorrectly connected to the signal terminal, the fuse will blow to protect the printed circuit board. In such cases, contact the manufacturer immediately. Unauthorized disassembly or repair is strictly prohibited.

Selection of air-conditioner/fresh-air brands

1. Power on the smart thermostat panel, Use the WeChat app to scan the QR code to enter the mini - program.

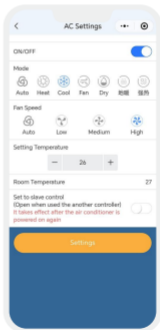
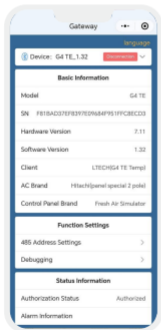


2. Ensure your phone's Bluetooth is turned on. Tap "Unconnected Device" and wait for the search to complete. Locate and connect to the device starting with "G4 TE". Navigate to the [Switch] page and select the corresponding air conditioner/fresh air brand based on your actual application. After selecting "Retrofit AC/Fresh Air Dual-Mode" for "Panel Type", tap "Confirm Brand Switch". The interface will prompt "Switch Successful" upon completion.
If your brand is not listed, please contact customer support.



3. Switch to the [Gateway] page to view parameter information of the air conditioner/fresh air system.

Switch to the [Air Conditioner] page to debug parameters such as device on/off status, temperature, and wind speed. After setting parameters, click the "Settings" button at the bottom to make them take effect. The following diagram uses an air conditioner as an example.



4. When the device operates abnormally, a 2-digit fault code will be displayed on the panel display. In this case, you need to provide the fault code to the air conditioner/fresh air manufacturer for handling. After the device fault is resolved, normal operation can be resumed.



App Operating Instructions

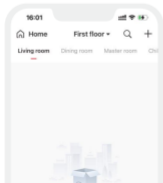
1. Register an account

Scan the QR code below with you mobile phone and follow the prompts to complete the app installation.



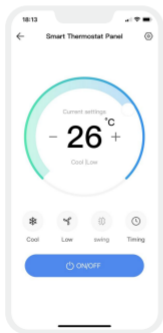
2. Configure

After a new user creates a family on the APP, click "+" in the upper right corner of the [Room] interface to add a device. Select "Smart Thermostat Panel" in the list of added devices and follow the on-screen prompts to complete the addition.



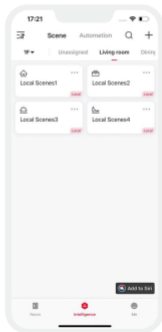
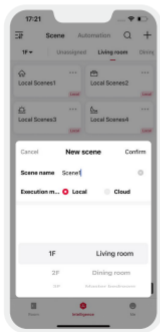
3. Control interface

Click the [...] button in the upper-right corner of the added air conditioner/fresh air/air conditioner+fresh air to enter the device control interface, where you can adjust temperature, wind speed, turn the device on/off, etc. Click the [⌂] icon in the upper-right corner to change panel language, smart wake-up distance, night mode, etc.



4. Local scene

Switch to the [Smart] interface, click the "+" in the upper right corner to create a local scene, and after setting the execution actions, you can achieve local linkage of Bluetooth devices.



5. Cloud Scenarios and Automation

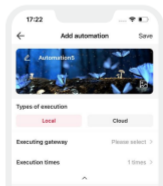
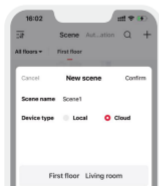
Ensure that a smart gateway, such as the Super Panel 6S, has been added to the home.

Cloud Scenarios:

Switch to the [Smart] interface and click "+" to create a cloud scenario. After setting up execution actions, remote linkage can be achieved.

Automation:

In the [Smart] interface, select "Automation" and click "+" to create an automation. You can choose the execution mode (local/cloud), set trigger conditions, and define execution actions. When the configured trigger conditions are met, a series of device actions will be automatically triggered to achieve remote linkage.



Factory Reset

Method 1

1. Long-press the "+" button for 15 seconds (as shown in Figure 1) until all button indicators flash rapidly.
2. Meanwhile, the screen will display "Disconnect from the network and press the + button 3 times within 3 seconds." Press the same button 3 times within 3 seconds.
3. The indicators will flash slowly. After the device restores to factory settings, the indicators will flash rapidly for 3 seconds, and the screen will show "Network disconnection successful."

Method 2

1. First, ensure the device is properly powered on and online.
2. Open the L-Home APP, locate the device, and enter its settings page.
3. Click the "Delete Device" button (as shown in Figure 2).
4. When the interface prompts "Deletion successful," it indicates the device has been successfully restored to factory settings.

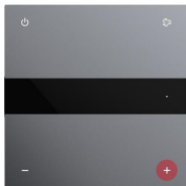


Figure 1

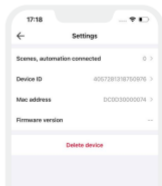


Figure 2

FAQs

1. What should I do if the device cannot be found during searching?

Check the following:

- Ensure the device is properly powered and in pairing mode.
- Keep the phone and device as close as possible, preferably within 15 meters.
- Ensure the device has not been added before. If it has been added, manually restore it to factory settings.

2. What should I do if the panel switch is unresponsive to touch?

Do not operate the panel while it is powered. If a metal key panel has been installed, power cycle the panel to initialize the touch data, which should restore normal functionality.

Attentions

- Products shall be installed by qualified professionals.
- LTECH products are non-waterproof and not lightningproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a water proof enclosure or in an area equipped with lightning protection devices.
- Good heat dissipation will extend the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products.
- The diameter of wire used must be able to load the light fixtures you connect and ensure the firm wiring.
- Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

Warranty Agreement

Warranty periods from the date of delivery : 2 years.

Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

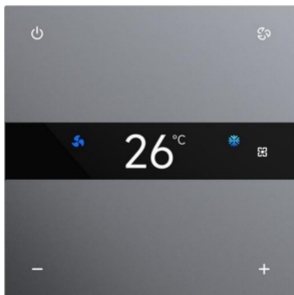
1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

* This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

LTECH

超级智能温控面板

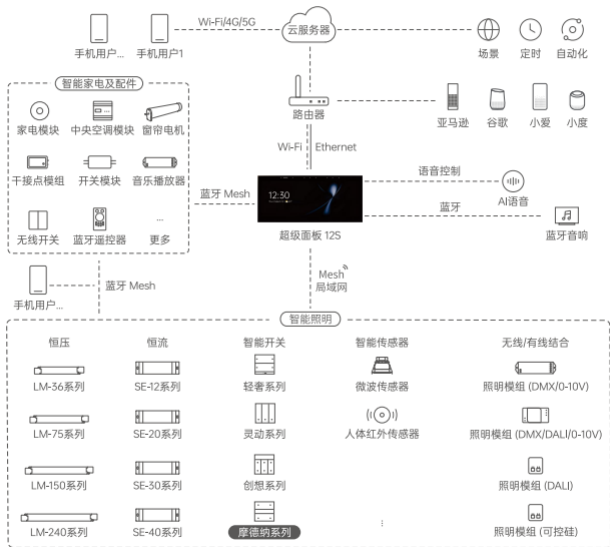
型号: G4 TE



使用说明书

www.ltech.cn

系统图



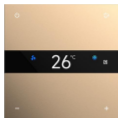
产品介绍

G4 TE超级智能温控面板是一款集空调与新风功能于一身的创新产品，能够与多种品牌和型号的空调及新风系统兼容。它采用高精度CNC工艺精心打造的铝合金按键，表面呈现出极高的光泽度，完美地展现了24K金般的奢华质感。该产品专门设计用于一对一风管机方案，并且能够通过与我公司中央空调暖通模块的配合使用，实现中央空调暖通集成控制方案，适用于家庭中小户型以及商业环境，提供了一个理想的温控解决方案。该产品支持通过手机APP进行远程控制，用户可以轻松设定温度、调整风速等参数。即便在没有网络连接的情况下，G4 TE也能独立运行，保证了基本功能的正常使用，极大地提升了使用的便捷性和环境的舒适度。

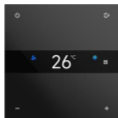
规格参数

产品型号	G4 TE
无线类型	Bluetooth 5.0 SIG Mesh
供电方式	零火线供电
额定参数	100-240V~, 50/60Hz
执行标准	GB/T 16915.2-2012
工作环境	-20°C~55°C, 湿度≤80%RH
产品净重	180g
产品尺寸	86×86×42.5mm (L×W×H)
颜色类型	兰博基尼金/布加迪黑/法拉利红/帕加尼白/玛莎拉蒂灰 阿尔法罗密欧银/24K金特别版/尊贵银特别版

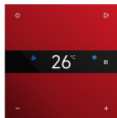
颜色搭配



兰博基尼金



布加迪黑



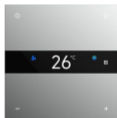
法拉利红



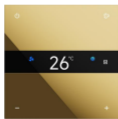
帕加尼白



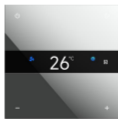
玛莎拉蒂灰



阿尔法罗密欧银

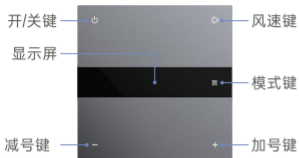


24K金特别版



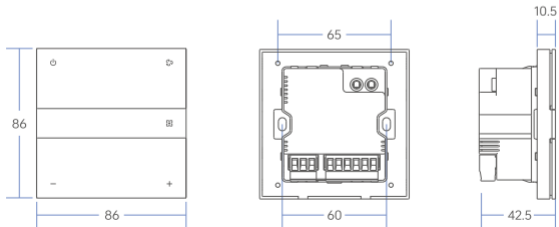
尊贵银特别版

产品图示

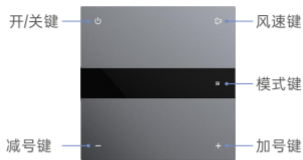


产品尺寸

单位: mm



面板按键说明



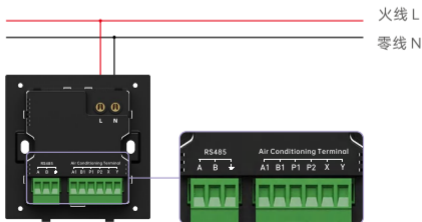
- ⏻ 开/关键:** 短按开/关机。出厂默认温控类型为空调+新风，短按开启/关闭当前类型；长按2秒进入定时界面，再次长按进入定时编辑界面，此时短按开/关键，开启/关闭定时，再次长按开/关键退出定时编辑。
- 🌀 风速键:** 短按切换风速(高/中/低/自动)；长按进入风向编辑界面，此时短按风速键，切换风向上/中/下/摆动，再次长按风速键退出风向编辑。
- 🔘 模式键:** 短按切换模式(制冷/制热/送风/除湿)；出厂默认显示空调-制冷模式；长按模式键切换空调/新风(仅当温控类型为空调+新风时有效)。
- 减号键:** 短按减少温度；如当前为定时编辑界面，短按减少定时。
- + 加号键:** 短按增加温度；如当前为定时编辑界面，短按增加定时。
- * 童锁模式**需同时长按“+”和“-”按键5秒界面显示“🔒”，此时设备状态锁定；再次同时长按“+”和“-”按键5秒，退出童锁模式。

安装步骤

- ① 关闭电源总闸，并确认86暗盒内壁无水泥等附着物，将暗盒内的电源线长度修减至10CM左右，使用一字螺丝刀撬开智能温控面板底盒。



- ② 将火线接入智能温控面板L接口，零线接入N接口，确认电源线与接线柱接触良好，无裸露的铜线。



③ 先用螺丝将底盒固定到墙壁暗盒中，再将面板对准卡扣扣合在底盒上，使底盒贴合墙面。



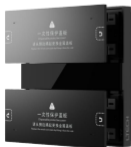
固定墙壁暗盒



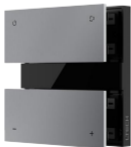
面板扣合在底盒上

④ 拆卸一次性按键板后，再安装对应的金属按键板即可开启电源总闸，按下智能温控面板按键，可正常控制即说明安装正确。

注：建议在装修完毕后且断电情况下再拆装按键板。



拆下一次性按键板



找到对应的金属按键板



合上金属按键板

接线步骤

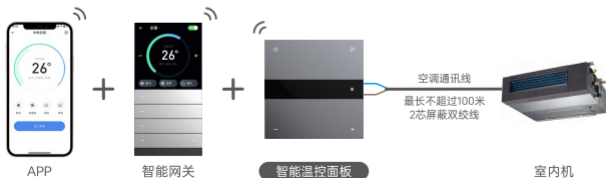
一、准备工作

1. 确认空调系统处于上电状态，并排查所有接入集中控制的空调室内、外机是否全部上电。
2. 确认空调系统经过空调厂商调试运转成功，无任何警报或异常。
3. 断开空调系统内所有设备电源。
4. 连接空调通信线，根据说明接相应的接口(详情请参考说明书P4)。
5. 确定智能温控面板的端口选择及通讯参数匹配。
6. 系统设备上电，等待系统准备就绪即可使用。

注意：本产品初始默认为日立空调，选择其他品牌需使用小程序进行切换/升级。

二. 搭配一拖一风管机

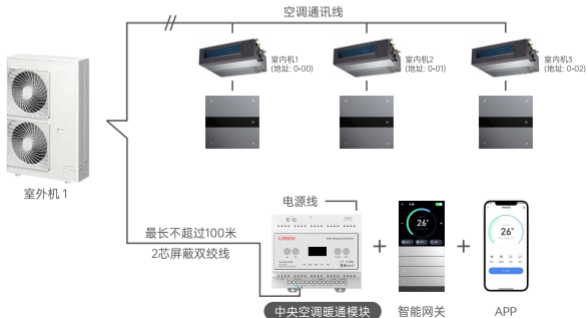
可用G4 TE面板取代原厂温控器，使用APP远程控制。



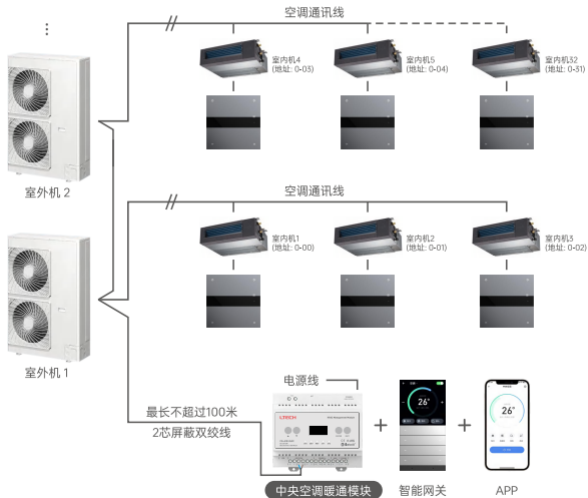
三. 搭配中央空调暖通系统

可用G4 TE面板取代原厂温控器，搭配中央空调暖通模块CG-AIR-MAX后，使用APP远程控制，或用G4 TE面板精确控制单个室内机。结合G4 TE面板和中央空调暖通模块，满足集中控制室内机的需求。

(1) 单联机接线方式



(2) 多联机接线方式



支持品牌及说明

空调品牌	接线方法		接线极性	线缆	原厂线控器 共存
	模块侧引脚	空调侧接线端口			
大金多联机	P1, P2	P1, P2	无	2芯	支持
日立多联机	P1, P2	A, B	无	2芯	支持
日立单元机	P1, P2	A, B	无	2芯	支持
海信多联机	P1, P2	A, B	无	2芯	支持
约克多联机	P1, P2	A, B	无	2芯	支持
格力多联机	P1, P2	H1, H2(面板型号 XC70, XC71等)	无	2芯	支持

客户购买对应新风产品前，需与厂家沟通提供对应通信协议给我司进行确认及开发后，方可使用。

接线操作的注意事项：

1. 不同控制方式的输入端子接线端子不同。
2. 在进行接线操作时请把本产品、空调的电源切断。
3. 所有的信号线电缆请不要与电源线以及其它的信号线并排走线，可能会引起由于干扰而产生误动作。
如果要并排走线，请保持和空调通讯的接线距离在15cm，和其他接线距离30cm以上，或者将电缆接入铁制保护管并将保护管的一端接地。机箱必须进行D种接地。
4. 错误地将电源线连接到信号端子的情况下，保险丝会烧断以保护印刷电路板。如发生此情况，请联系厂家，严禁私自拆卸维修。

空调/新风品牌选择

1. 将智能温控面板接通电源，使用微信APP扫描二维码进入小程序。



2. 确保手机蓝牙已开启，点击“未连接设备”等待搜索完成，找到并连接“G4 TE”开头的设备；跳转到【切换】页面，按实际应用选择对应的空调/新风品牌；“面板类型”选择“雷特空调新风二合一”后，点击“确认切换品牌”，界面提示“切换成功”即可。

*如找不到对应空调/新风品牌，请联系售后。



3. 切换到【网关】页面可查看空调/新风的参数信息。

切换到【空调】页面可对设备的开关、温度、风速等参数进行调试，设定参数后，点击下方“设置”按钮方可生效，下图以空调为例。



4. 当设备运行异常时，面板显示屏上会显示2位数字故障代码，此时您需要将故障代码提供给空调/新风厂家处理。当设备故障解除后，可正常操作。



APP操作说明

1. 账号注册

通过手机扫描下载二维码，按提示安装APP后即可进行登录/注册操作。



扫码下载APP
iOS/APK

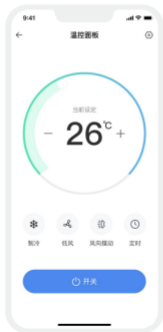
2. 配网操作

新用户APP上创建家庭后，在【房间】界面点击右上角“+”进行添加，在添加设备列表中选择“智能温控面板”后，按照界面提示完成添加即可。



3. 控制界面

点击已添加的空调/新风/空调+新风右上角【...】按钮进入设备控制界面，可调节温度风速、开/关设备等操作。点击右上角【🗨️】图标可更改面板语言、智能唤醒距离、夜间模式等。



4. 本地场景

切换到【智能】界面，点击右上角“+”创建本地场景，设置执行动作后，即可实现蓝牙设备的本地联动。



5. 云场景与自动化

确保家庭内已添加智能网关，如超级面板6S。

云场景：

切换到【智能】界面，点击“+”创建云场景。设置执行动作后，即可实现远程联动。

自动化：

在【智能】界面中选择“自动化”，点击“+”创建自动化。可选择本地/云端执行方式，以及设置触发条件及执行动作。当满足已设置的触发条件时，自动触发一系列设备动作，实现远程联动。



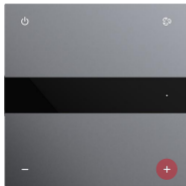
恢复出厂

方法一

长按“+”按键15秒(见图一)，直到所有按键指示灯快闪。同时屏幕显示“需退网3秒内按3次加键”，在3秒内短按同一按键3次，指示灯慢闪，设备恢复到出厂状态后，指示灯快闪3秒，屏幕显示“退网成功”。

方法二：

需先确认设备已正确接通电源且处于在线状态。随后，打开L-Home APP，找到该设备并进入其设置页面，点击“删除设备”按钮(见图二)。当界面提示“删除成功”时，即表示设备已成功恢复到出厂设置。



图一



图二

常见问题

1. 设备一直搜索不到怎么办？

请检查以下选项：

- 确保设备正常通电，并且处于配网状态；
- 确保手机与设备两者尽量靠近，建议不超过15米；
- 确保设备未被添加过，如被添加过，请手动恢复出厂。

2. 面板切换键触摸不灵怎么办？

面板不能带电操作，若已装上金属按键板，面板需重新通电进行触摸数据初始化，可恢复正常。

注意事项

- 请由具有专业资格的人员进行调试安装；
- 雷特产品(专有型号除外)不能防水防雷，需避免日晒雨淋，如安装在户外，请用防水箱和防雷装置；
- 良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境；
- 请检查使用的工作电压是否符合产品的参数要求；
- 通电调试前，应确保所有接线正确；
- 如果发生故障，请勿私自维修；如有疑问，请联系供应商。

保修条例

- 自出厂之日起保修服务期为2年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例:

属下列情况不在免费保修或更换服务范围之内:

- 已经超出保修服务期;
 - 过高电压、超负载、操作不当等人为造成的损坏;
 - 产品外形严重损坏或变形;
 - 自然灾害以及人力不可抗拒原因造成的损坏;
 - 产品保修标签和产品唯一条形码损坏;
 - 无雷特签订的合同或发票凭证。
1. 修理或更换是雷特对客户的最唯一补救措施。雷特不承担任何附带引起的损害赔偿任，除非在适用法律范围之内。
 2. 雷特享有修正或调整本保修条款的权利，并以书面形式发布为准。
- * 本说明书的内容如有变更，恕不另行通知。若内容与您使用的功能有所不同，则以实物为准。
如有疑问，欢迎向我司授权的经销商咨询。