

LTECH



LTECH
Whole House Intelligence

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L+Home App



Website

LTECH Whole House Intelligence

Enjoy the Exceptional Quality of Life

High-end living space with whole house intelligence

When you get home, lights will automatically turn on
After you issue a voice command, curtains will close automatically
Each time you wake up in the morning, beautiful music will start playing for you
.....

Based on the world's leading intelligent lighting technology, the philosophy that "Create healthy and comfortable lighting environments" is built into LTECH Whole House Intelligence. Smart gateways, home appliances, speakers and other smart devices are controlled by a smart home system to build the smart ways you live with multiple interaction modes. We commit ourselves to creat a green, high-end and comfortable smart life for each user.



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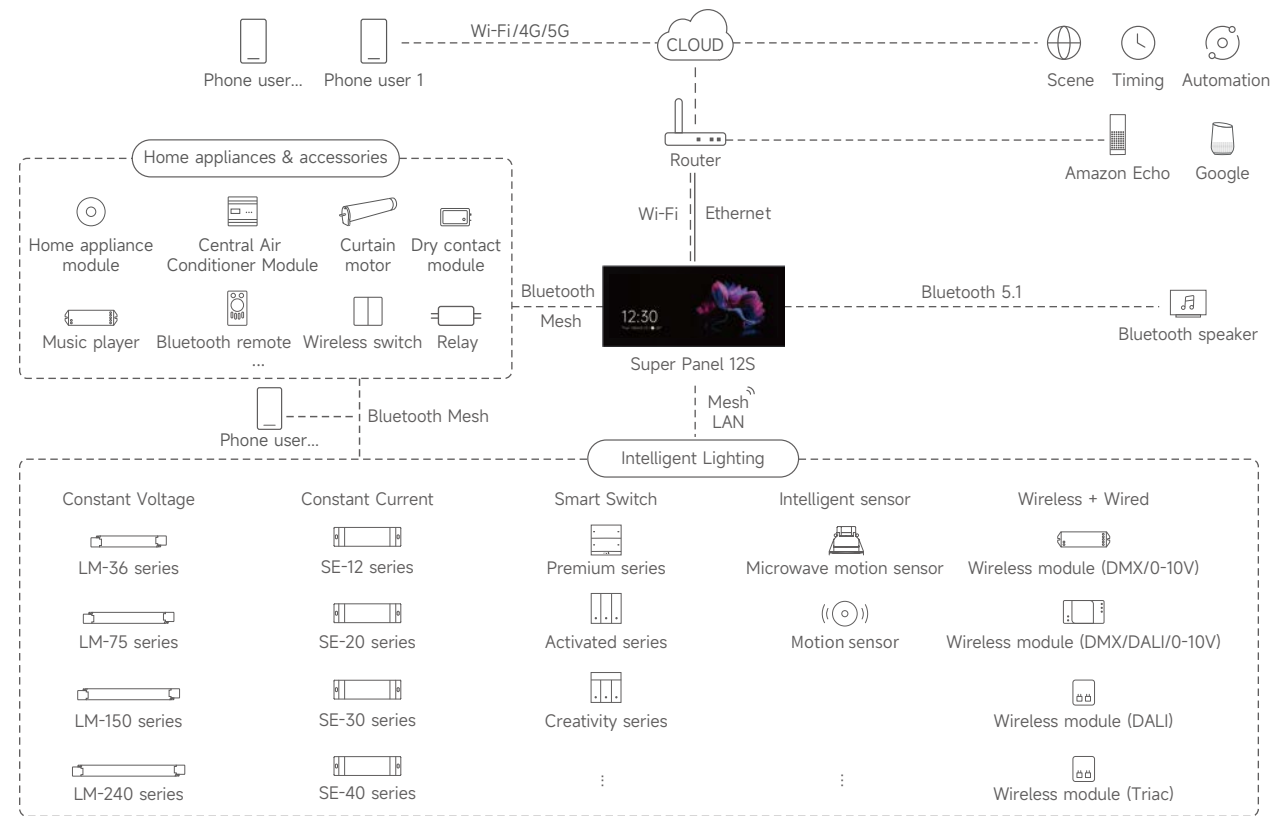
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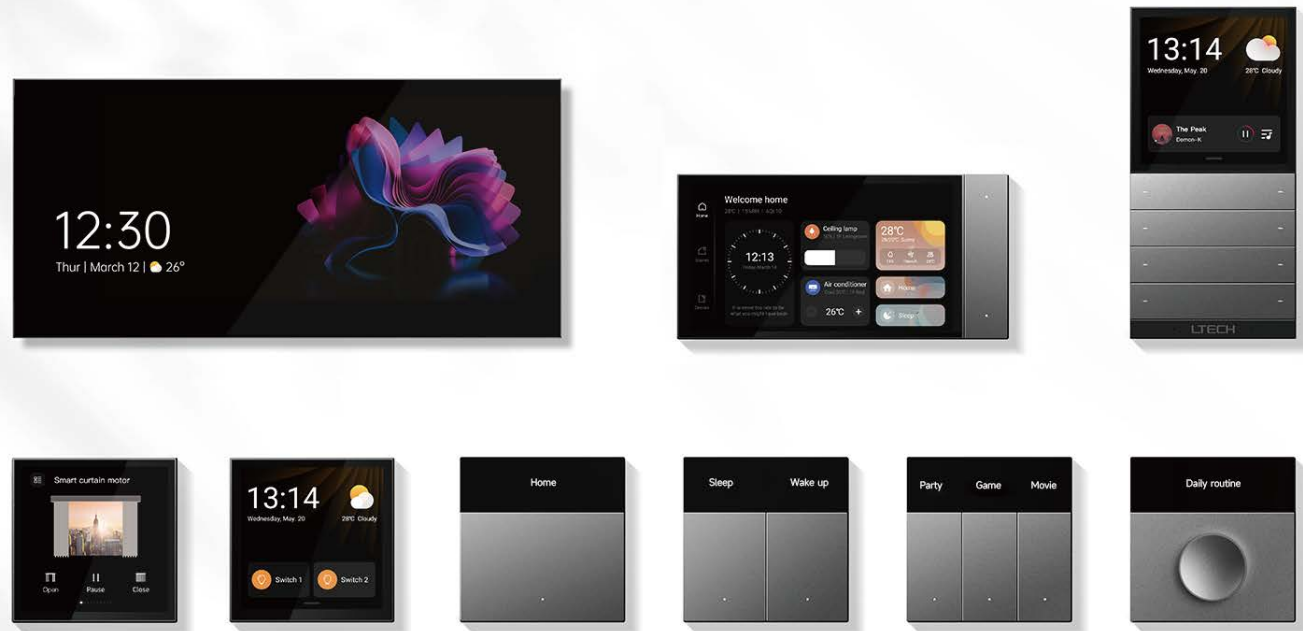
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System Diagram



Super Panel Family for Whole House Intelligence



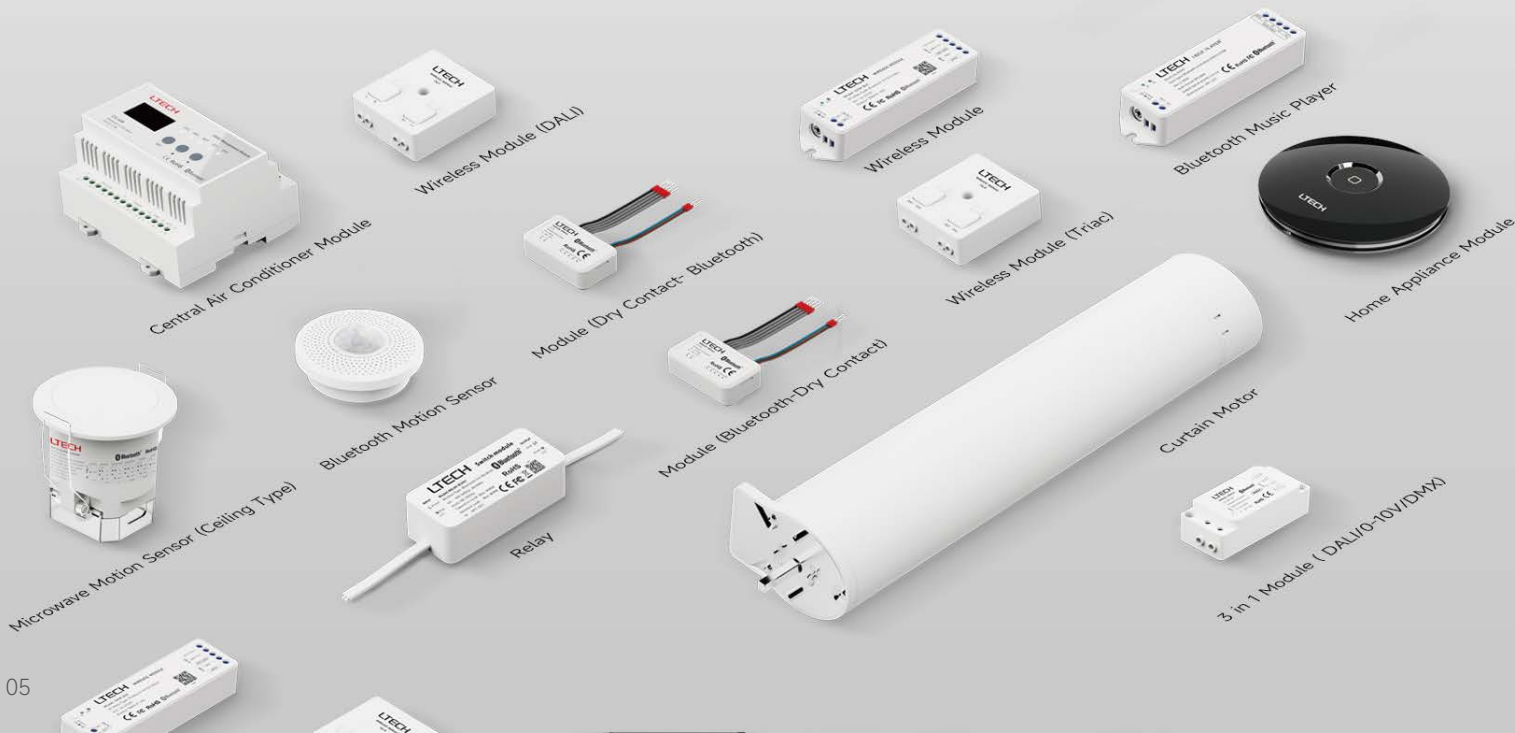
L-Home APP
Remote Control

8000+
Home Appliance Brands

5.0 SIG Mesh
Networking Technology

Smart Home Accessories

Control all your home appliances through multi-device interconnection



Empowered by AloT Break
through the boundaries of
smart home ecosystem



T-PWM[®]
Super Depth Dimming Technology

5.0 SIG Mesh
Networking Technology

Intelligent LED Drivers (Bluetooth 5.0)

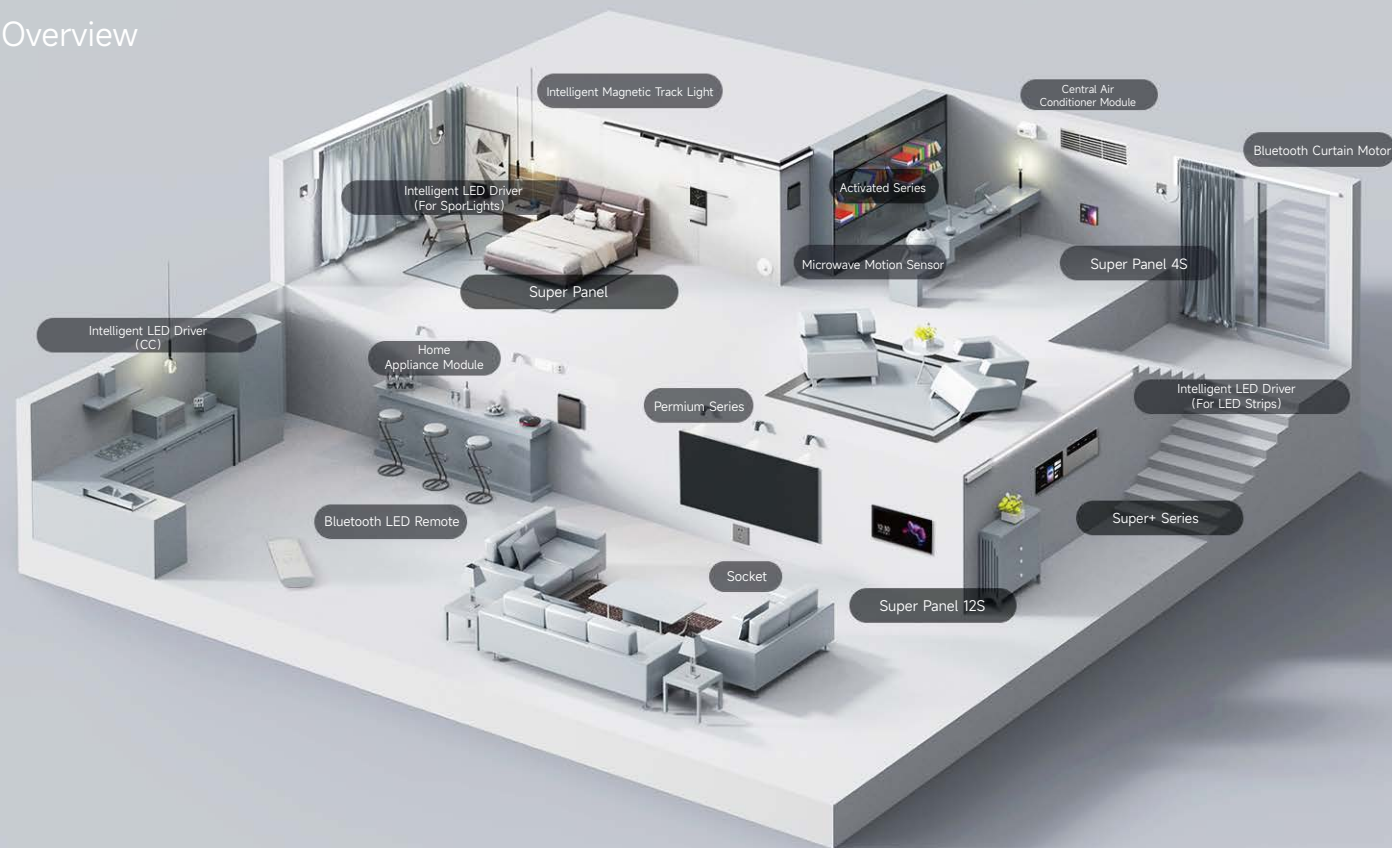
- Million-level depth dimming
0.0001% dimming level
- Adaptive lighting
Adapt lighting to meet your current needs
- Distributed local scenes
No Internet, no gateway needed
- Up to 300 nodes
Signal relay function
- OTA update
Update to the latest firmware version and access
the newest technology



The most comprehensive certifications in the industry

LTECH Whole House Intelligence

Overview



Create the Aesthetics of Your Home

Reduce complexity through centralized management

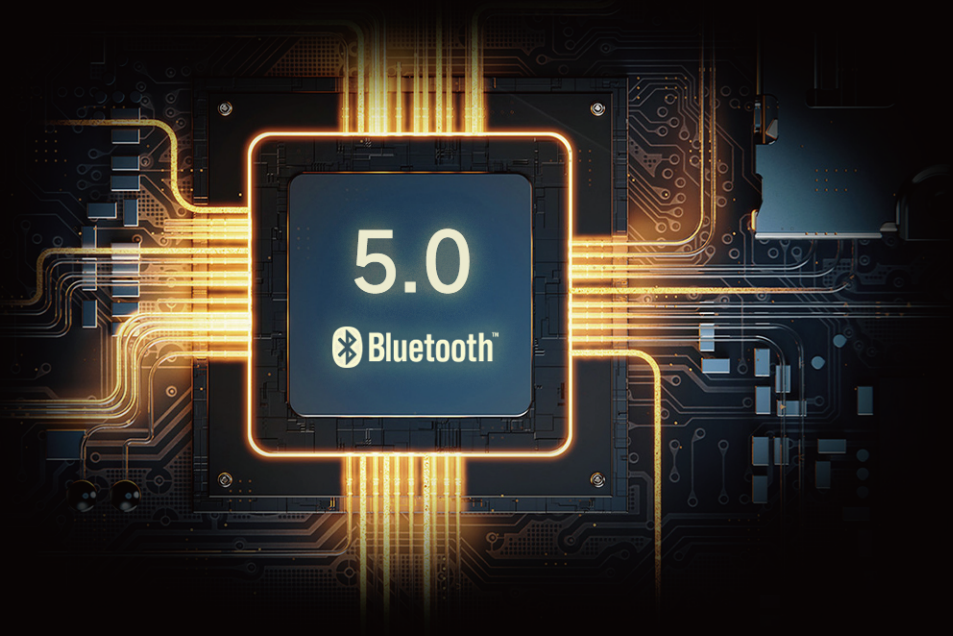


Smart Gateway | Smart Lighting | Smart Home Appliance | Smart Speaker

Ensure the stability in a large house

Even without the Internet, several hundred devices can still work on LAN

Support Ethernet, 2.4 GHz, 5 GHz Wi-Fi or Bluetooth 5.0 SIG Mesh connection



-  **Wi-Fi**
2.4G/5G
-  **Bluetooth**
Bluetooth 5.0 SIG Mesh
-  **Type-C port**
-  **Infrared home appliances**
-  **OTA**
Upgrade
-  **Ethernet**

Bluetooth 5.0 SIG Mesh System

Ultra strong networking capacity

Support up to **300** nodes
Each node extends signals to every other node

2 times
Transmission speed

4 times
Communication range

8 times
Data capacity

*Compared to its predecessor Bluetooth 4.2

Two Types of Bluetooth Mesh Network Protocols:

Standard	Nonstandard
SIG Mesh Network	Private Mesh Network
Made by Bluetooth Alliance	Made by private corporations
Verified by international technical experts	No certification for its stability

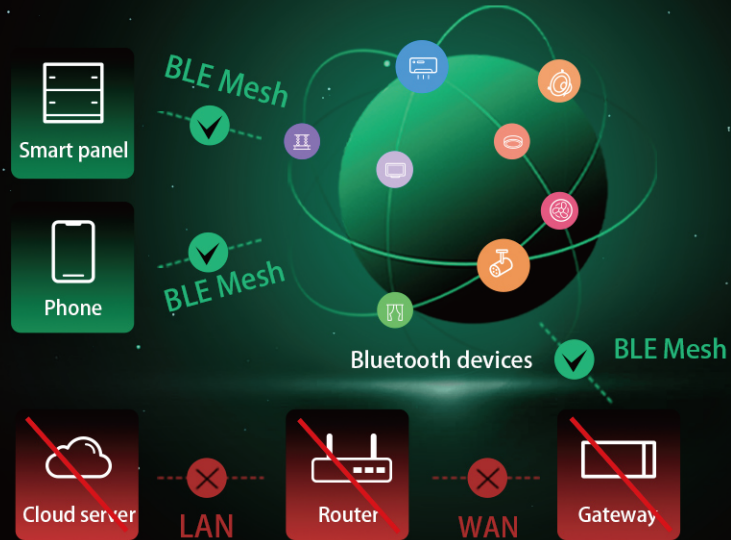
*All LTECH Bluetooth products are SIG Mesh-certified

New technology for storing distributed scenes

- Local scenes
- No gateway needed
- No network required

Edge computing for devices running locally at high speed

Faster, more stable



Detect nearby people and changes in light level, temperature and humidity

- Light detection : Automatically adjust screen brightness
- Distance detection : Screen wakes up automatically when people is detected within 1m
- Temperature & humidity detection : Automatically detect surrounding temperature and humidity



Empowered by AIoT

Break through the boundaries of smart home ecosystem

- Works with Amazon Alexa and Google Assistant



Three interaction modes

APP interaction

Control your devices
from anywhere and anytime



Touch screen offers a complete view
and places operations literally at your fingertips

Button interaction

It is appropriate for people of all ages



Adaptive Lighting

Match the needs of human biological cycles

Applications (no settings required)

Full Circadian Lighting

LTECH Home AI can get the weather forecast and mimic the intensity and color temperature of natural light throughout the day to support human circadian rhythm.



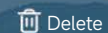
Super Applications

Customized Circadian Lighting

Customize circadian lighting curves that meet the demands of lighting in residential homes, hotels, offices, supermarkets, schools and hospitals.



Current Time



Time

07:30 >

CT

3500k

BRT

50%

Circadian lighting settings

Name

Advanced >

Type of fading

Continuous fading >

Personalized, user-friendly interfaces

Make it easy to display the weather, time, news, music widgets on one screen



Super Smart Panels / Switches



SP-GW-12S
Super Panel 12S



SP-GW-6S
Super Panel 6S



SP-GW-4S
Super Panel 4S



SP-GW-BLE/SP-GW-PRO
Super Panel/Super Panel PRO



S1 PRO
Smart Switch (1 Gang)



S2 PRO
Smart Switch (2 Gang)



S3 PRO
Smart Switch (3 Gang)



SQ PRO
Smart Switch (Knob)



SQ/SQ-B
Smart Switch (Knob)



S1
Smart Switch (1 Gang)



S2
Smart Switch (2 Gang)



S3
Smart Switch (3 Gang)



S6-B
Smart Switch (6 Gang)



S8M
Smart Switch (8 Gang)



S4M
Smart Switch (4 Gang)



PS-BLE 01
Smart Wireless Switch
(1 Gang)



PS-BLE 02
Smart Wireless Switch
(2 Gang)



PS-BLE 04
Smart Wireless Switch
(4 Gang)



RC4-BLE
Bluetooth LED Remote



iF DESIGN AWARD 2022



INNOVATIONS AWARDS



RED DOT DESIGN AWARD 2022



GOLDEN PIN DESIGN AWARD 2022



GOOD DESIGN AWARD 2022



IDPA JAPAN DESIGN AWARD 2023

SUPER- SERIES PANELS

Whole House Interconnection Center

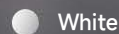
Live A Simpler, Smarter Life



Grey



Gold



White

Mondrian-inspired combination



Modular combination

Use the edges of each modular to form the lines of the whole-part structure



Combine panels into one row or more

Acting as creative elements, panels are combined together and placed into one row or more

Design Inspiration of Super+ Series

A variety products to meet diverse user needs



SP-GW-12S

Super Panel 12S

12.3-inch
6 mic array
0.8mm border



SP-GW-6S

Super Panel 6S

6-inch
4 mic array
0.8mm border



SP-GW-4S

Super Panel 4S

4-inch
2 mic array
0.8mm border



SP-GW-BLE / SP-GW-PRO

Super Panel

4-inch
2 mic array
0.8mm border

Super Panel 12S

Go Above and Beyond

A ultra smart display defines your future life

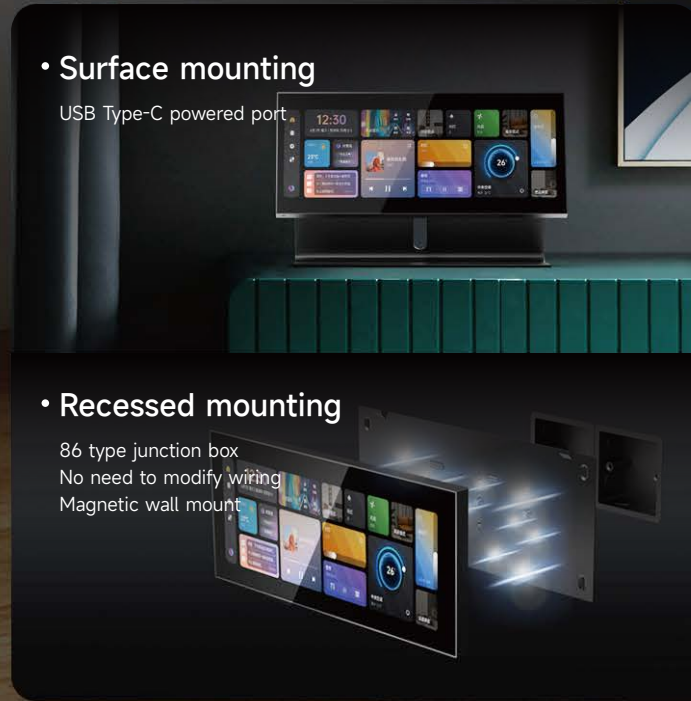
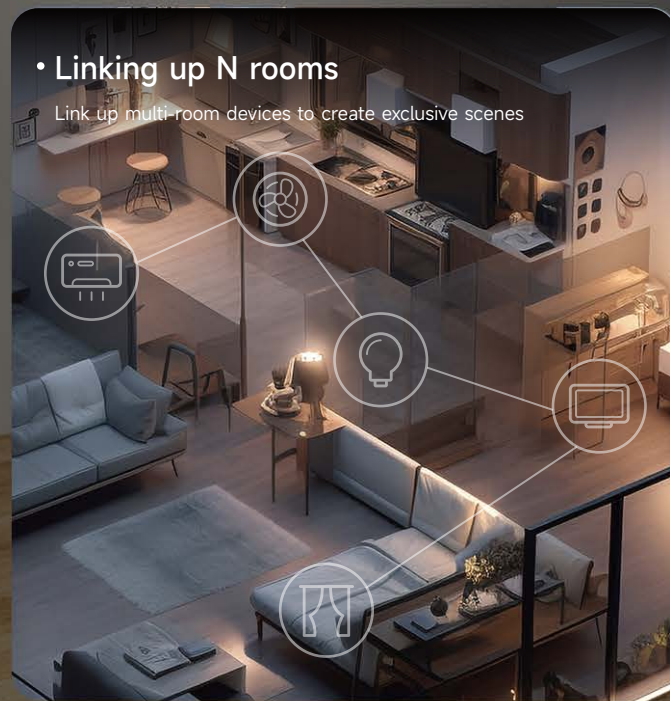


Full display | Touchscreen & APP interaction | Multi-protocol compatible | OTA update



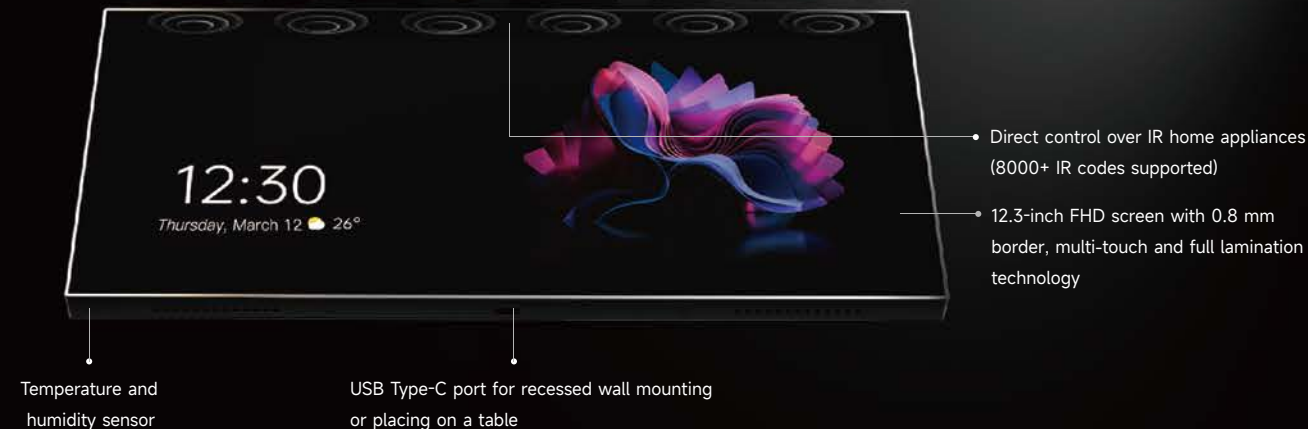
Smart linked actions are more considerate

Making the entire home connected



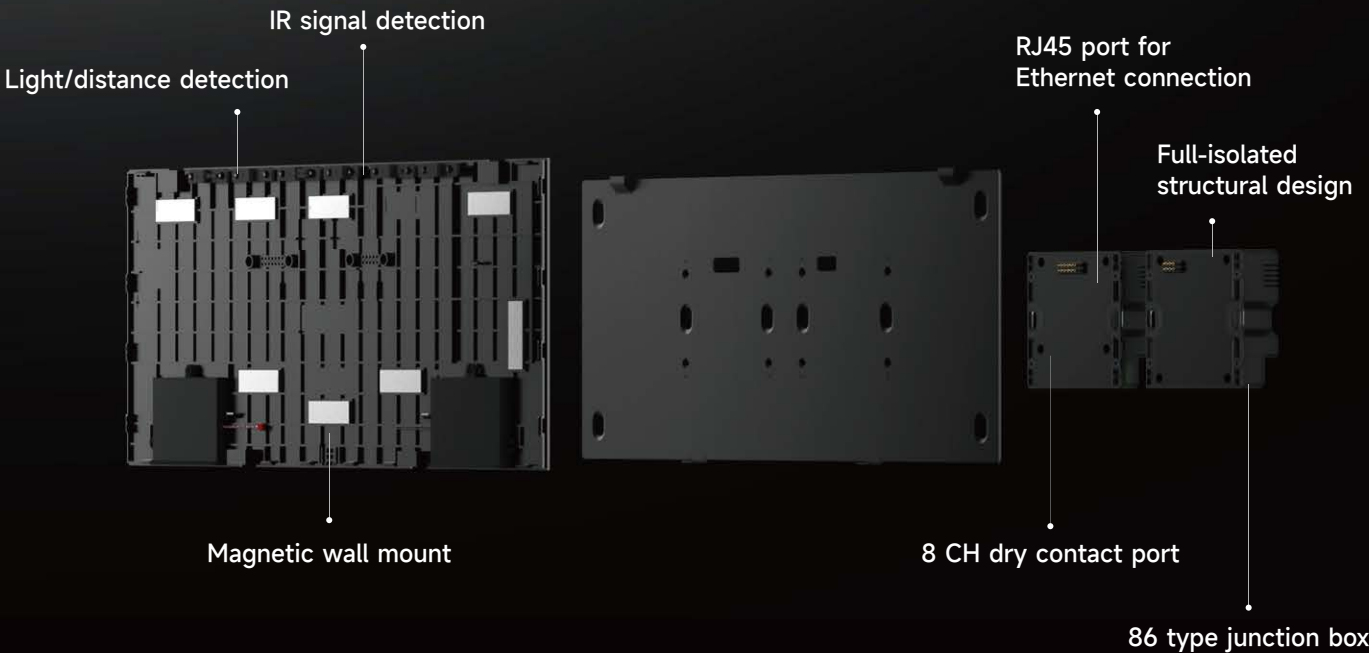
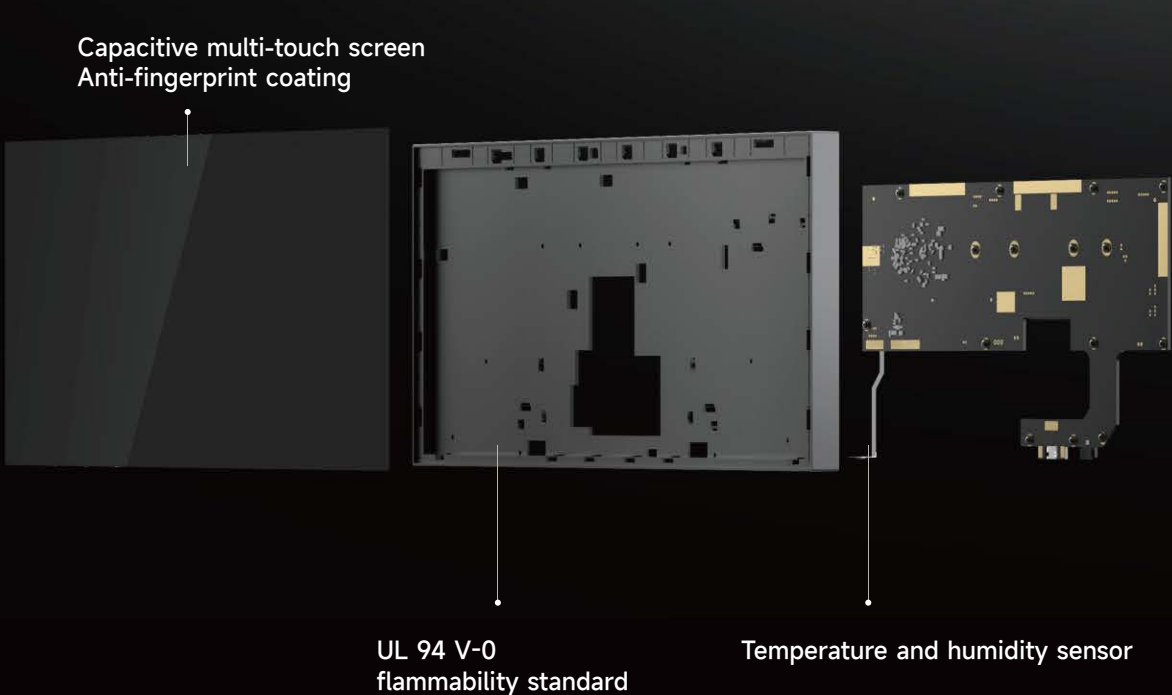
High configuration for best performance

1920*720



Meticulous Craftsmanship

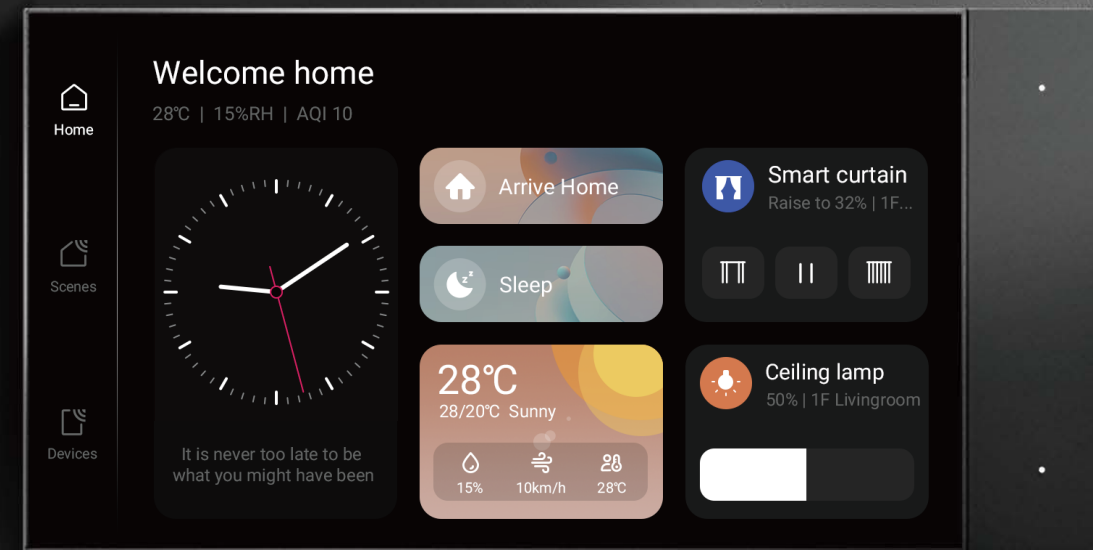
Support recessed wall mounting or placing on a table



SUPER Super Panel 6S

An all-around smart panel

Ensuring the full connectivity for the entire home



SP-GW-6S

SUPER Super Panel 4S

Serve as a personal butler that
helps you easily enjoy
your smart life

Make smart control easier

4-inch HD full screen

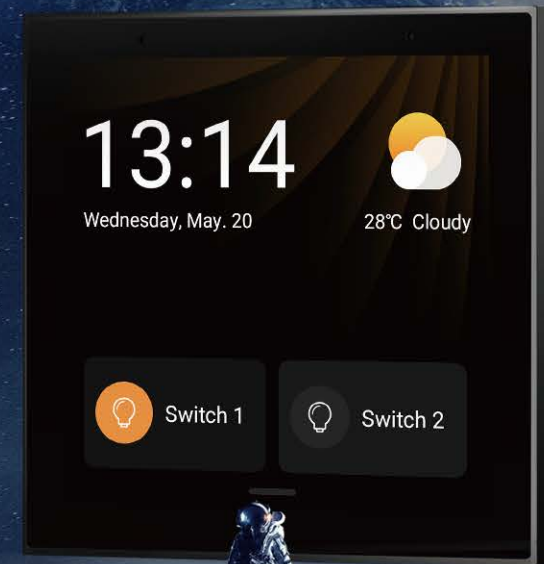
Multiple communication
protocol options

No limit for the number
of connected devices

Multiple control
modes available

Auto screen
brightness adjustment

Auto wake up when
approaching within 12 inches

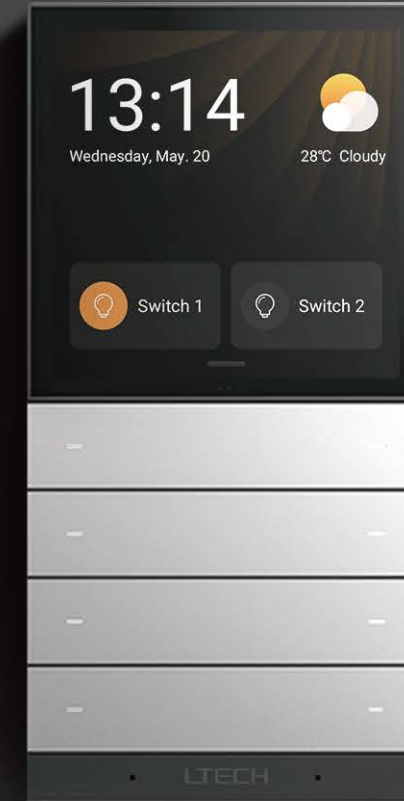


SP-GW-4S

Super Panel

Whole House Smart Control Center

- Enable extensive control over smart devices
- Provide multiple interaction modes
- Deliver ultimate experience



SP-GW-BLE / SP-GW-PRO

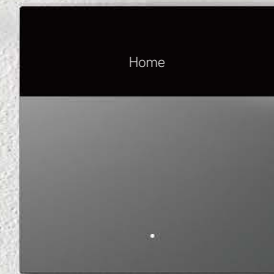
SUPER Creativity Series

Build smart panels
that you expect



Borderless PMOLED Display

- Color OCA
- On-screen display: text and icons are shown on the screen and can be easily changed with the APP



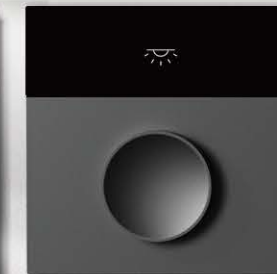
S1 PRO



S2 PRO



S3 PRO



SQ PRO

Smart, user-friendly screen display

Post a personalized message on the screen (supporting max 36 characters)



Convert traditional lights into smart ones

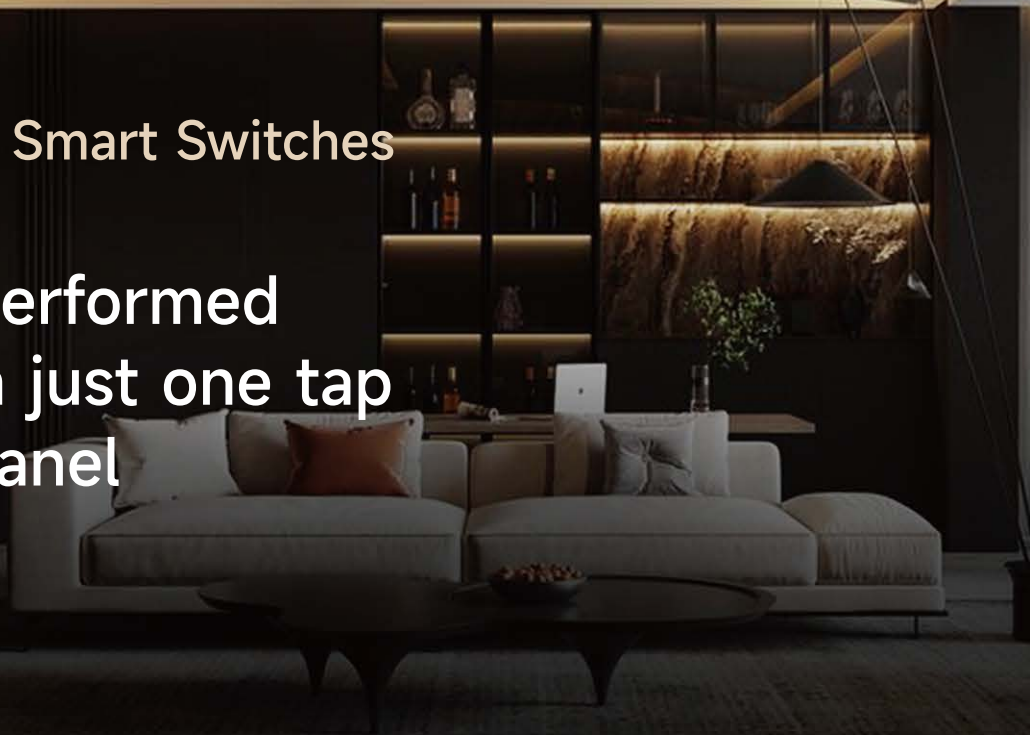
Short press: Turn light ON/OFF, perform scene
Long press: Adjust brightness, CT, light colors



SUPER ✚

Activated Series Smart Switches

Actions are performed
instantly with just one tap
on the wall panel



Enhance your home's aesthetics
with a great combination of wall panels



SQ

S3

S2

S1

SUPER 

Activated Series 6 Gang Smart Switch (S6-B)

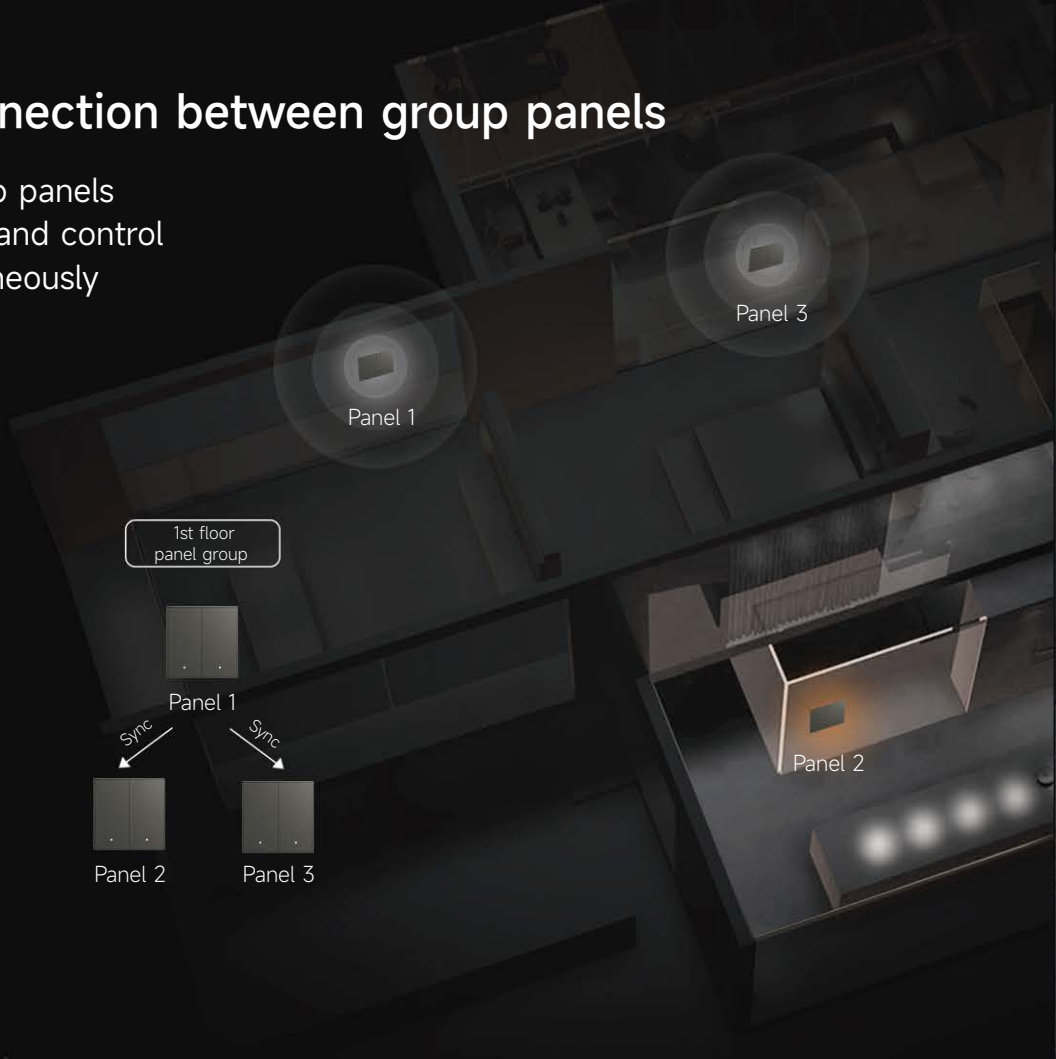
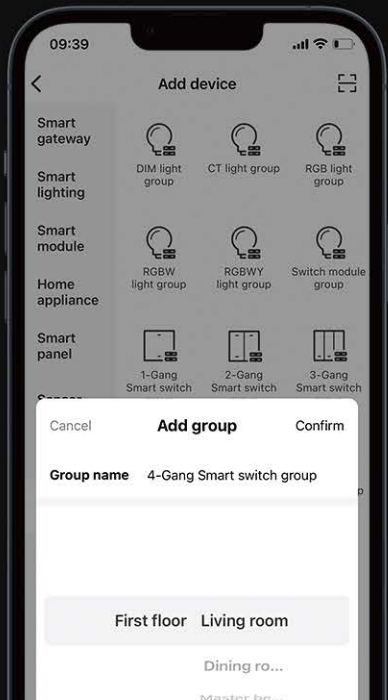
Illuminate your life as you wish

Allow smart linkage and support recessed wall mounting
or placing on a table



Automated interconnection between group panels

Freely and quickly sync group panels
Set up multi-location access and control
several panel groups simultaneously



Give you great flexibility in choosing the installation mode

Directly install the panel in the 86 type junction box
Place or stick it on a flat surface



The minimalist aesthetics

Utilize the perfect combination of wall panels



Create a cohesive look for your walls

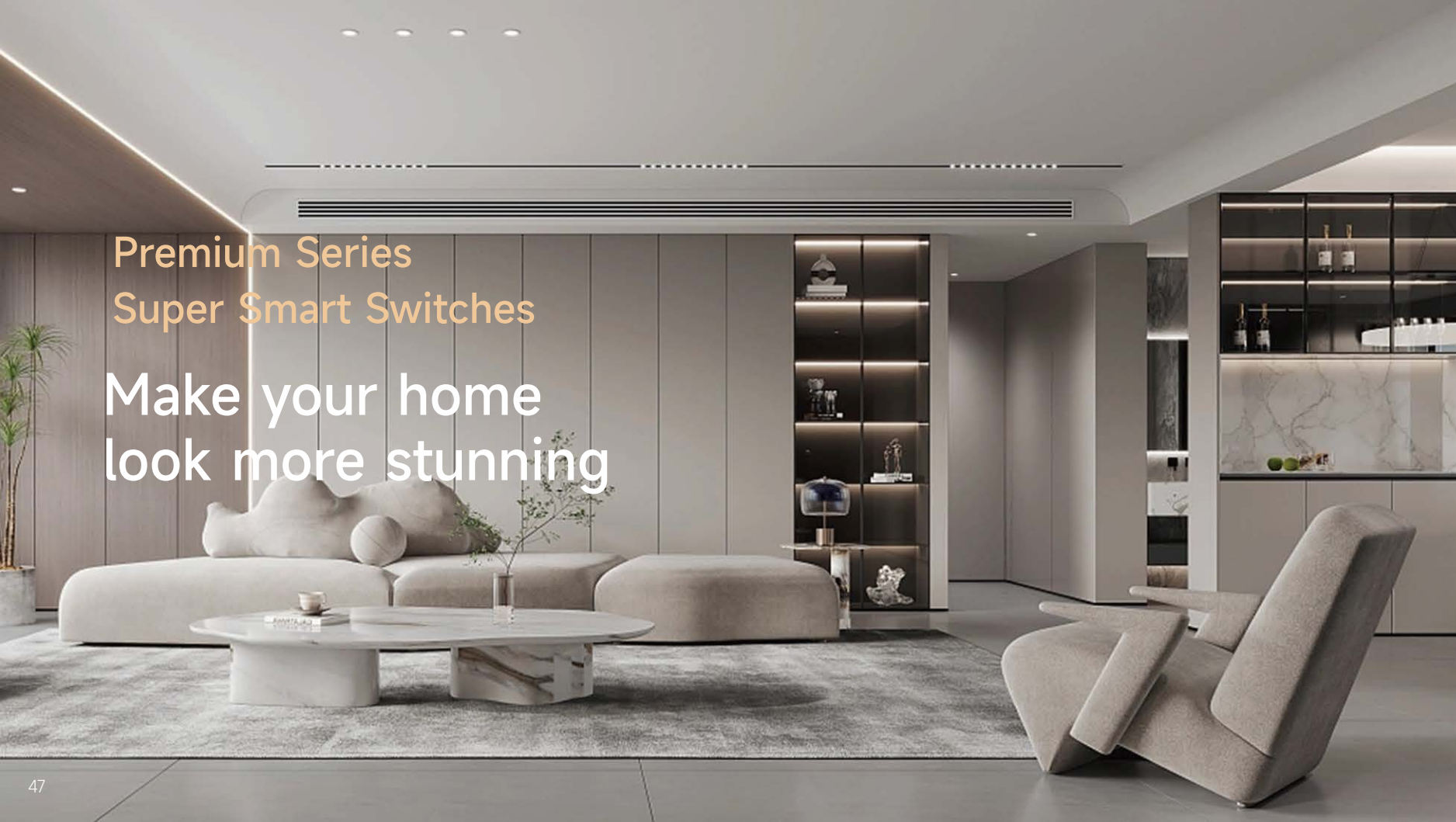
86 type junction box | 400+panel combinations | Unified mounting frame



Double panel mounting frame

Triple panel mounting frame

Quad panel mounting frame



Premium Series Super Smart Switches

Make your home
look more stunning

The flat panel design and evenly spaced 250gf buttons make a visual impact and deliver a perfect user experience. Switches use CNC technology with aviation aluminum alloy and have undergone the pressure test 100,000 times that deliver the best quality possible.



S8M



S4M

● Silver

● Pink

● Gold

● Grey



Elegant Series

- Break with traditional installation ways and allow custom installation, such as placing on a table and pasting anywhere
- Control all various types of luminaires in the house
- Provide excellent user experience and get lighting setup via a long press and a short press
- No need to run electrical wires or drill wall holes. Paste it and be ready to use
- Work with gateway devices to control lights by automation



PS-BLE01



PS-BLE02



PS-BLE04



Bluetooth LED remote

- Use Bluetooth 5.0 SIG Mesh and work with Bluetooth LED drivers to control multiple types of lights in different areas of your home.
- Powerful functions and simple operations. Turn various types of lights on/off and change the brightness and colors of lights.
- Achieve smart linkage using the app. Put lighting control in the palm of your hands and enjoy the smart life.



RC4-BLE

Super Smart Accessories



HAM-BLE
Home Appliance Module



CG-AIR
Central Air Conditioner Module
(Floor Heating / Fresh Air)



RELAY-BLE01
Switch Module



CG-TRIG
Bluetooth Dry Contact Module



CG-CUR15
Bluetooth Curtain Motor



HS-BLE
Bluetooth Motion Sensor



MR04-LBS / MR03-B3P
Microwave Motion Sensor



CG-AUDIO
Music Player



CG-TB
Dry Contact to Bluetooth Module



CG-CURH3
Bluetooth Curtain Motor

Take total control of all your home appliances

Get the right temperature, light intensity and have audio and video control with a diverse range of smart accessories. You can connect more smart devices to work together. Say goodbye to the traditional control method for home appliances and embrace the smart one. Get your entire home under control in the palm of your hands



Home Appliance Module

Control all your electronic devices by one tap



L-Home



Fan



Curtain



Water heater



Airing rack



TV



Projector



HAM-BLE

- Remotely access your devices via Wi-Fi, 4G/5G, and support remote firmware upgrade for the latest version
- With the database of 8000+ infrared codes, more than 95% of infrared home appliances on the market are compatible
- Support cloud scenes, local scenes, cloud automation and local automation to suit vari

Central Air Conditioner Module (Floor Heating/ Fresh Air)

Turn ordinary air conditioners into smart ones
and freely control your room temperature

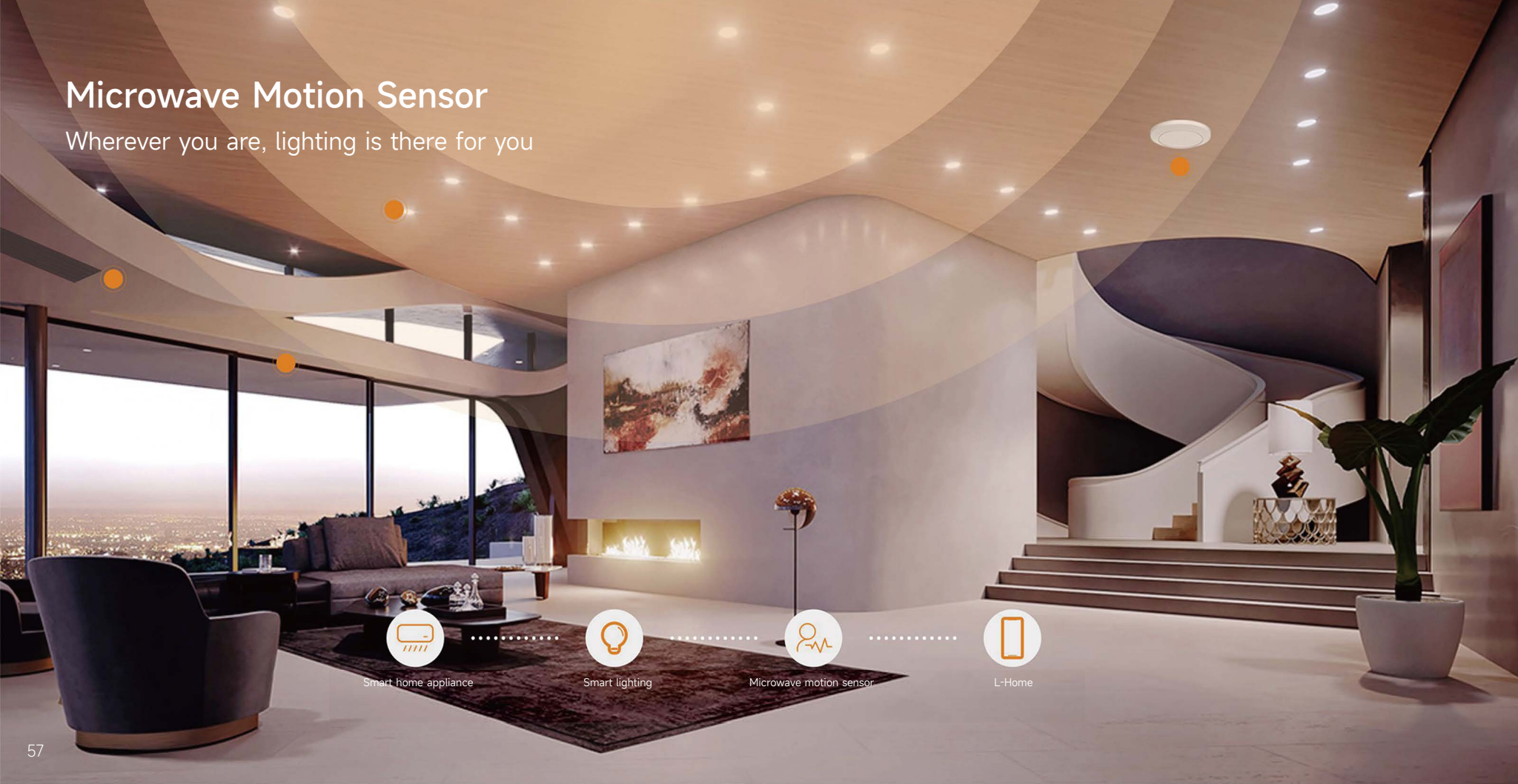


CG-AIR

- Access remote control via the app
- Gain timing control
- Work with smart air conditioners that support scene linkage
- Achieve linkage with other smart home devices

Microwave Motion Sensor

Wherever you are, lighting is there for you



Smart home appliance



Smart lighting



Microwave motion sensor



L-Home



Precisely detect human motions



Detect movements



High sensitivity



ON/OFF



Multi-protocol



Daylight threshold



Group control



Zero-cross detection



Repel bugs



Bluetooth Music Player

- Use advanced Bluetooth 5.0 SIG Mesh networking technology and controlled by RDM/DMX 512 protocol
- Connect with our L-Home IoT Cloud Platform through Bluetooth Mesh
- Provide multiple playback options, such as USB flash disk, TF card or mobile phone
- Support multiple output modes, such as wired active speaker or Bluetooth speaker



CG-AUDIO



Bluetooth Curtain Motor

- Controlled remotely via the app, remote or voice commands
- Silent DC motor. It runs smoothly and generates less heat
- Automatically memorize the position of the curtain and operate automatically when the power is off.
- Soft start function. Automatically stop if the curtain meets resistance during operating.



CG-CUR15



CG-CURH3



Dry Contact to Bluetooth Module



CG-TB

- Use Bluetooth 5.0 SIG Mesh networking technology that features fast transfer speed and stable signal
- Compatible with third-party dry contact control systems to give more flexibility when using this product
- Connect to our L-Home IoT platform
- Combine our Dry contact to Bluetooth module together to link with multiple homes
- Support local scenes that can still run without the Internet or a gateway

Bluetooth to Dry Contact Module

- Use Bluetooth 5.0 SIG Mesh networking technology that features fast transfer speed and stable signal
- Connect to our L-Home IoT platform
- Combine our Bluetooth to dry contact module together to link with multiple homes
- Support local scenes that can still run without the Internet or a gateway
- Support third-party smart device control



CG-TRIG

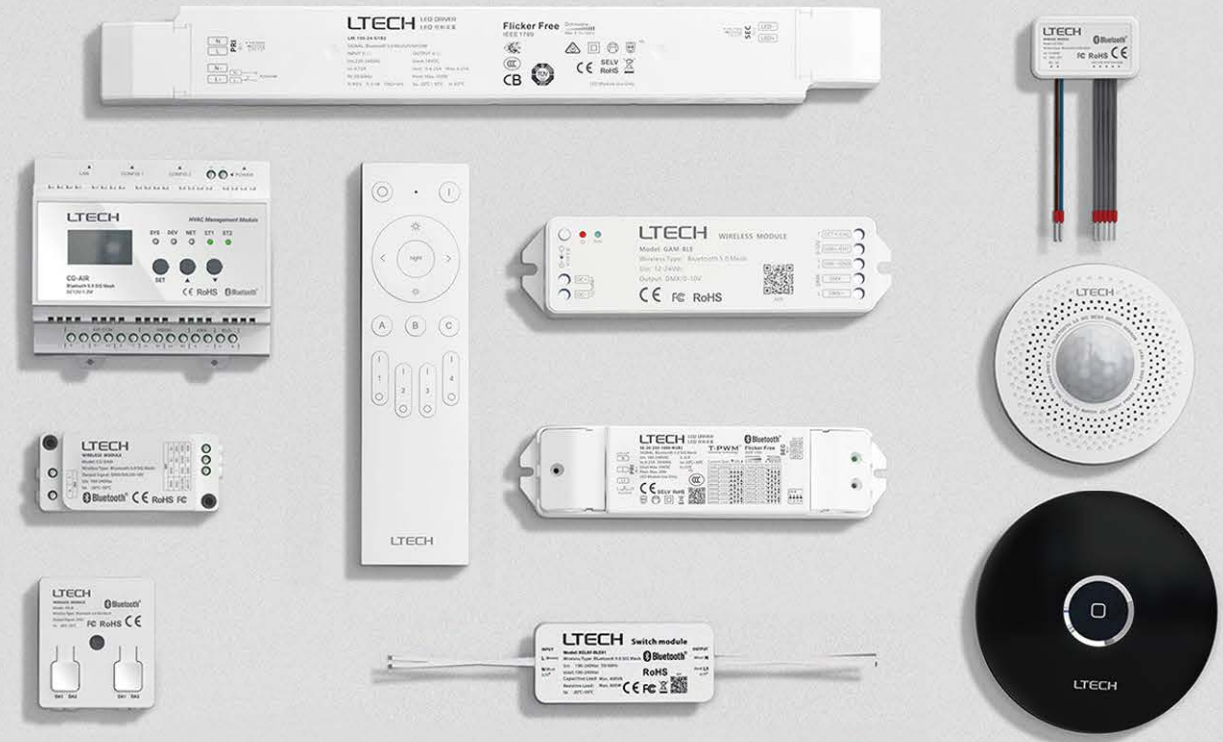


RELAY-BLE01

Single-Channel Bluetooth Relay

- Quickly turn on/off the device through Bluetooth control
- Work with a Super Panel, a smart wireless switch or a smart remote. Control it via the APP

Provide a extensive range
of products



Super Smart Modules & Drivers



CG-T
Wireless Module (Triac)



CG-D
Wireless Module (DALI)



CG-D-PRO
DALI LED module



CG-DAM-PRO
Wireless Module (DALI/0-10V/DMX, 3 in 1)



LM-75-24-G1B2
(75W 24V DIM)



LM-75-24-G2B2
(75W 24V CT)



LM-150-12-G1B2
(150W 12V DIM)



LM-150-24-G1B2
(150W 24V DIM)



LM-150-24-G2B2
(150W 24V CT)



LM-150-24-G4B1
(150W 24V RGBW)



LM-240-24-G1B
(240W 24V DIM)



LM-240-24-G2B
(240W 24V CT)



SE-12-100-400-W1B
(12W 100-400mA DIM)



SE-12-100-450-W2B
(12W 100-450mA CT)



SE-20-250-1000-W2B2
(20W 250-1000mA CT)



SE-12-100-500-W1B
(12W 100-500mA DIM)



SE-12-100-500-W2B
(12W 100-500mA CT)



SE-20-100-700-W1B
(20W 100-700mA DIM)



SE-20-100-700-W2B
(20W 100-700mA CT)



SE-30-200-800-W1B
(30W 200-800mA DIM)



SE-30-200-800-W2B
(30W 200-800mA CT)



SE-40-300-1050-W1B
(40W 300-1050mA DIM)



SE-40-300-1050-W2B
(40W 300-1050mA CT)



**MT-300-D2B1/
MT-600-D2B1**



**MT-100-400-D1B1/
MT-350-700-D1B1**



**MT-100-250-D2B1/
MT-300-450-D2B1/
MT-500-650-D2B1**

Super Smart Drivers

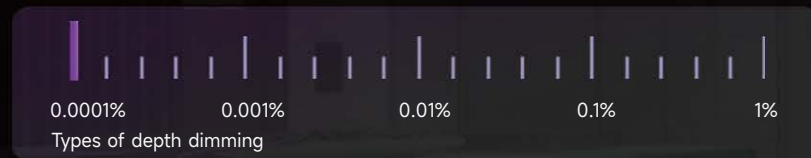
T-PWM®

Adopt T-PWM super depth dimming technology that it is ideally suited for use in various lights, including linear lights, downlights, spotlights, magnetic track lights, etc. Create healthy, comfortable and smart lighting environments.



T-PWM® dimming technology that achieves dimming down to 0.0001%

Super depth dimming level: 0.0001%



Testing standard: Lamp

Current of maximum brightness	For example	300mA	$\geq 0.0001\%$
Current of minimum brightness		$\leq 0.0003\text{mA}$	

*Data comes from LTECH laboratory



Super Wireless Modules 2.0

Wired +Wireless solution

DIM/CT

Multiple protocols compatible

Bluetooth 5.0 SIG Mesh

OTA upgrade

Ultra-low power consumption



CG-T
BLE - Triac



CG-D
BLE - DALI



CG-DAM-PRO (3 in 1)
BLE-DALI, 0-10V, DMX

- Compatible with four major dimming protocols, suitable for applications in homes, commercial spaces, etc
- Adopt the advanced Bluetooth 5.0 SIG Mesh networking technology
- OTA upgrade enables automatic and timely upgrade of firmware
- Cover four major dimming interfaces and control DIM, CT and colors of various lights
- Provide multiple parameter options to meet the demands of any occasion

DALI LED module

Ultra robust, intelligent module offers exceptional convenience



Bluetooth 5.0 SIG Mesh



Binding to a smart switch



Group programming



Batch modification



CG-D-PRO
BLE - DALI

- Support batch modification of DALI driver parameters
- DALI groups and DALI scenes are programmable
- Combine Bluetooth products to create local /automated scenes
- Support binding to a smart switch

Constant Voltage LED Drivers

Soft start dimming creates a gradual and smooth transformation for enhanced visual comfort



LM Series

- New technology for dimming lights down to 0.0001% lets you freely select the optimal brightness
- Flicker-free dimming, high frequency exemption level. It is kind to your eyes
- Controlled via a panel, a remote or your phone. Achieve consistency of lighting effects among multiple devices
- User-friendly design. Built-in soft start function produces a warm glow

Constant Current LED Drivers

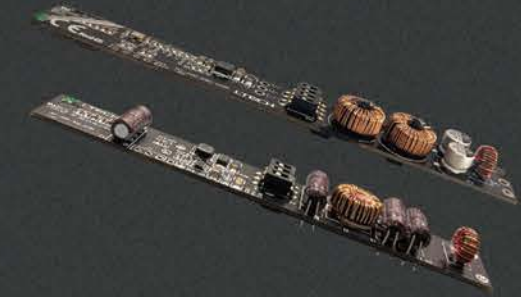
Provide exceptional lighting for you



SE Series

- High performance, great quality. Flicker-free, soft lighting
- Ultra small, thin, lightweight
- Rubycon capacitor, 5-year warranty
- Control all various types of luminaires in your home
- Simple and elegant with screwless clamshell design. A perfect combination of art and utility.

Magnetic Track Light LED Drivers



Magnetic Track Light LED Drivers
Constant Current DIM/CT

- Meet the IEEE1789 standard. Flicker-free, high frequency exemption level
- Simple installation. Quiet, no high frequency noise
- Only 15g in weight, suitable for STUCCHI standard housings
- 48V low voltage design, protection against polarity reversal

Professional solutions for smart lighting

Meet the demands of various scenes



0.9-12W DIM

0.9-12W CT



2.25-20W DIM

2.25-20W CT



3.6-30W DIM

3.6-30W CT



2.7-40W DIM

2.7-40W CT



1-16.8W DIM

0.9-11.25W CT



0-36W DIM

0-36W CT



0-75W DIM

0-75W CT



0-150W DIM

0-150W CT

0-150W CT/RGBW



0-240W DIM

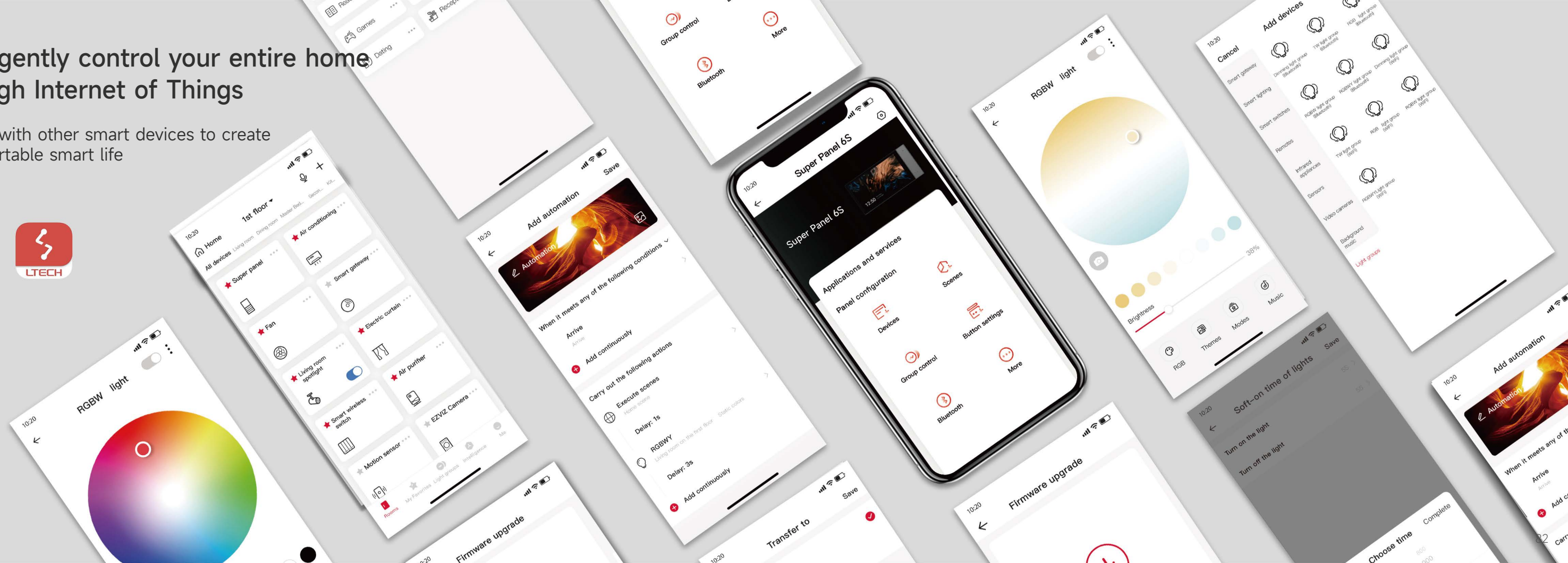
0-240W CT



Intelligently control your entire home through Internet of Things

Link up with other smart devices to create a comfortable smart life

L-Home APP





Solutions



< 150m²

150m²-350m²



Customized solutions

Solution for residential homes

It mainly aims at a house area that is less than 150m². The control center integrates all connected devices so as to achieve whole-house device linkage and automation of living scenes.

Electric curtain

Super Panel 6S

Intelligent airer

Intelligent lighting

TV control

Fan control

Motion sensor

Intelligent remote

Air conditioning control

Solution for high-end villas

It aims at a villa area between 150m² and 350m². Different device can be integrated through centralized management. The hierarchical management is also achieved for multiple rooms, floors and zones. Multiple interaction modes are provided to control your entire smart home easily. It comprehensively controls your smart life.

Electric curtain

Super Panel

Air purifier

Intelligent airer

Intelligent lighting

EZVIZ camera

TV control

Fan control

Intelligent remote

Motion sensor

Scene panel

Intelligent wireless switch

Bluetooth speaker

Air conditioning control



Customized solutions

Offer customized solutions for creating a high-end smart life, based on user's actual needs and house layout. Provide users with the exclusive solutions with particular products and design.

