LTECH

LTECH
Whole House Intelligence

Zhuhai LTECH Technology Co., Ltd
15th Building, No.3, Pingdong 6th Road
Nanping Technical Industrial Park, Zhuhai, Guangdong, China

TEL: +86 756 620 8255
FAX: +86 756 620 8833

E-mail: lt@ltechonline.com
Website: www.ltech-led.com

L-Home App

LTECH WeChat
Official Account

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 creating a green high-end and comfortable smart life for each user.

Contents

LTECH Whole House Intelligence

Overview

Intelligent Magnetic Track Light

Central Air Conditioner Module

Bluetooth Curtain Motor

Intelligent LED Driver (For SporLights)

Activated Series

Super Panel MINI

Microwave Motion Sensor

Super Panel

Intelligent LED Driver (CC)

Home Appliance Module

Super Panel

Permium Series

Intelligent LED Driver (For LED Strips)

Bluetooth LED Remote

Socket

Super+ Series

Create the Aesthetics of Your Home

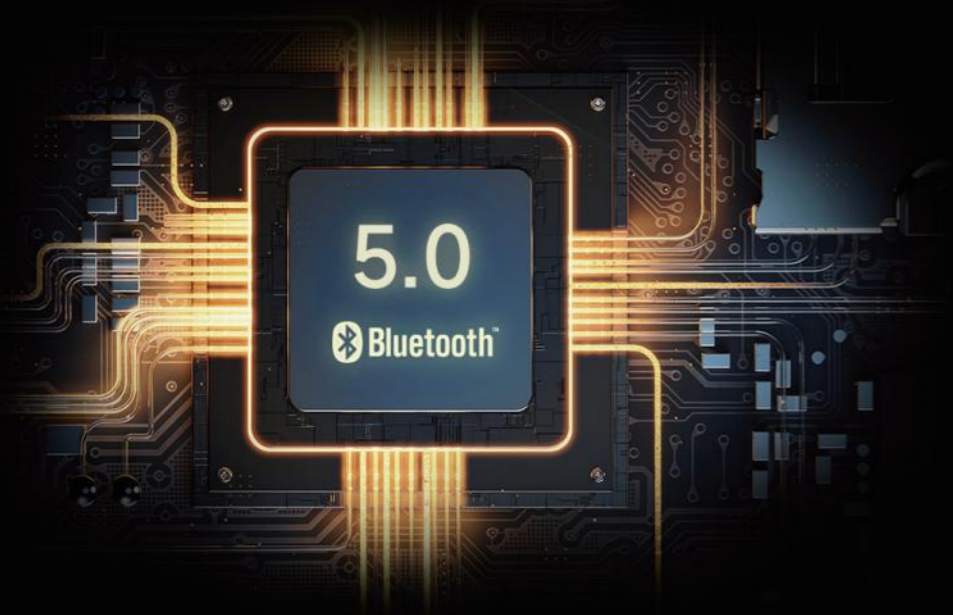Reduce complexity through centralized management

Smart Gateway   Smart Lighting   Smart Home Appliance   Smart Speaker

Ensure the stability in a large house

Even without the Internet several hundred devices still work within 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
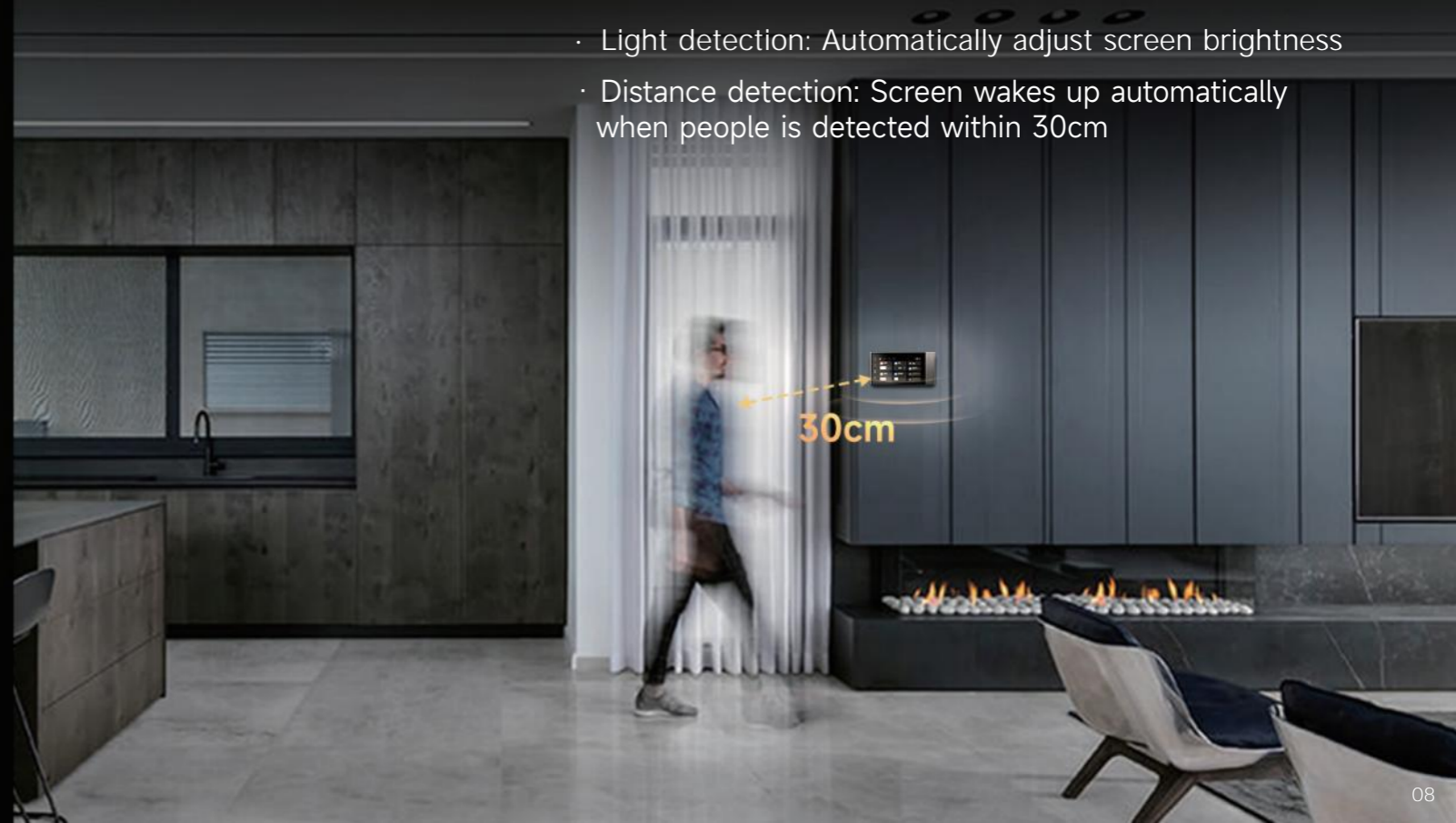
- Local scenes
- No gateway needed
- No network required

Edge computing for devices
running locally at high speed

Faster, more stable
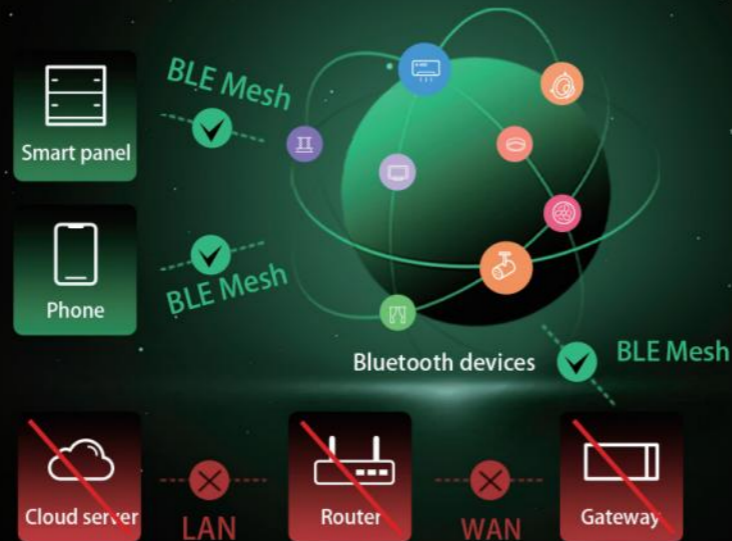
Detect nearby people and light changes

· Light detection: Automatically adjust screen brightness

· Distance detection: Screen wakes up automatically
  when people is detected within 30cm

Empowered by AIoT
Break through the boundaries of smart home ecosystem

· Works with Amazon Alexa and Google Assistant
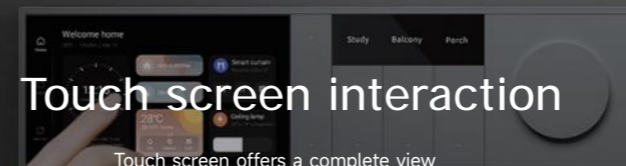
amazon   Google

Three interaction modes

APP interaction

Control your devices
from anywhere, anytime

Touch screen interaction

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)

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.

ZhuHai: 2022/6/18   5:41am-19:10pm   N22°16′25.37″   E113°34′18.00″

5:41   8:00   10:00   12:00   14:00   16:00   18:00   19:10

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   🗑 Delete

Time   07:30 ⟩

CT   3500k

BRT   50%

Circadian lighting settings
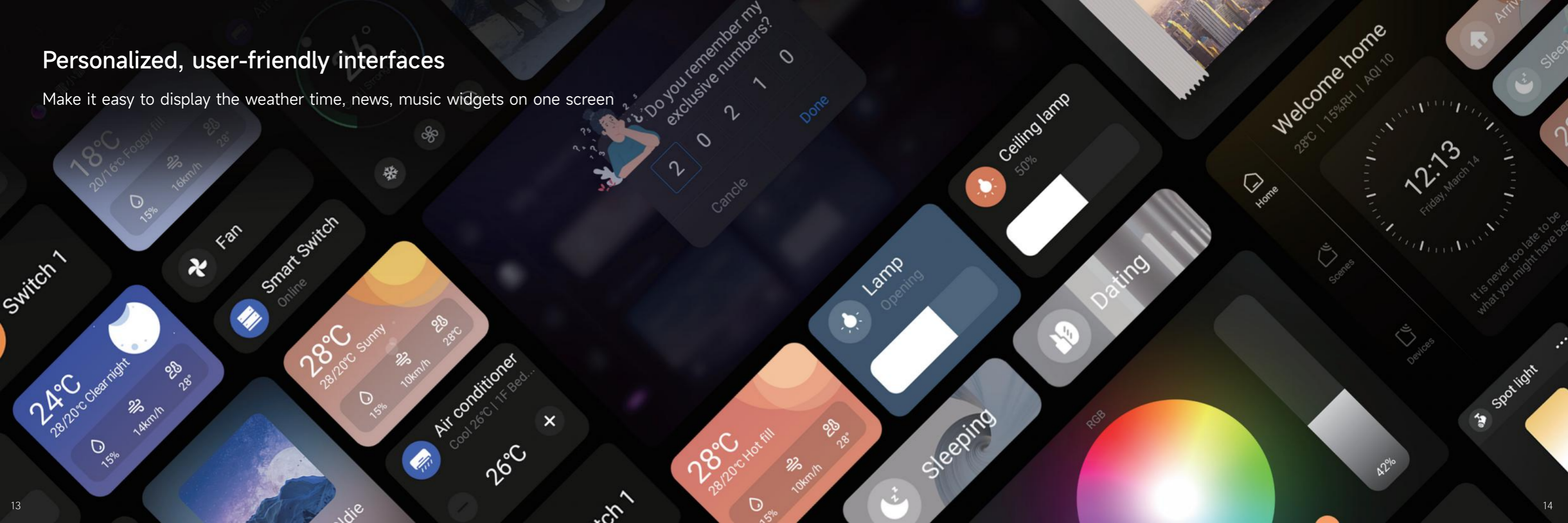
Name   Advanced ⟩

Type of fading   Continuous fading ⟩

Personalized, user-friendly interfaces

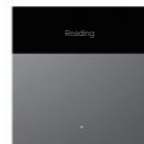Make it easy to display the weather time, news, music widgets on one screen

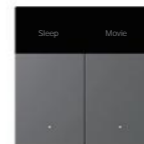# SUPER + Series Smart Panels

SP-GW-4S
Super Panel 4S

SP-GW-6S
Super Panel 6S

S1 Pro

Creativity Series
Smart Switch (1 Gang)

S2 Pro

Creativity Series
Smart Switch (2 Gang)

S3 Pro

Creativity Series
Smart Switch (3 Gang)

SQ Pro

Creativity Series
Smart Switch (Knob)

S1

Activated Series
Smart Switch (1 Gang)

S2

Activated Series
Smart Switch (2 Gang)

S3

Activated Series
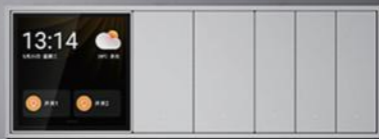Smart Switch (3 Gang)

SQ

Activated Series
Smart Switch (Knob)

IDPA Japan Design Award 2022

iF Design Award 2022

Reddot Winner 2022

SUPER ✛ SERIES PANELS

Whole House Interconnection Center

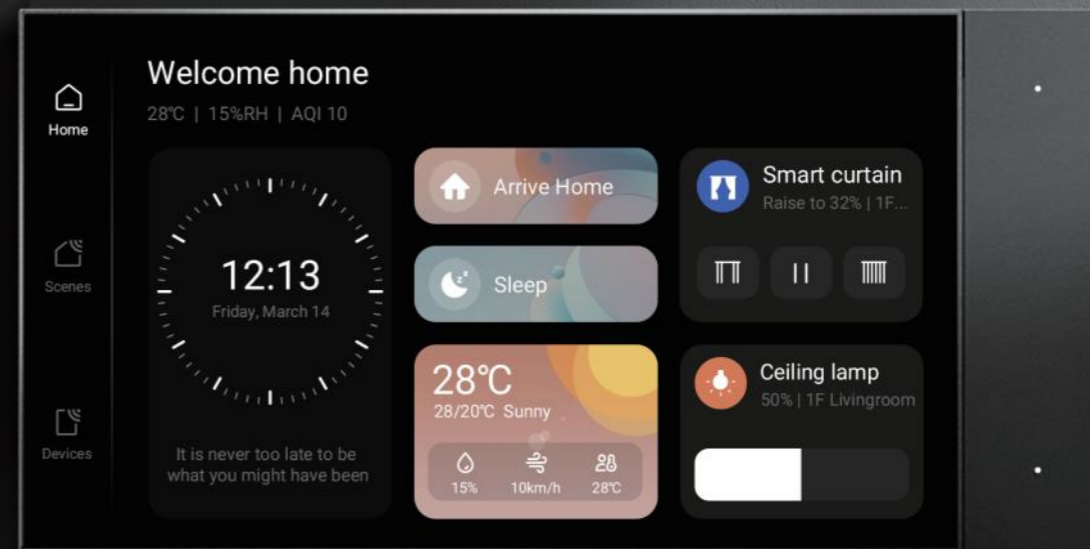Live A Simpler, Smarter Life

● Grey   ● Gold   ● White

Mondrian-inspired combination

SUPER ⊹
Super Panel 6S

An all-around smart panel

Ensuring the full connectivity for the entire home

Wi-Fi   **Bluetooth™**

Welcome home
28℃ | 15%RH | AQI 10

Home
Scenes
Devices

12:13
Friday, March 14

It is never too late to be
what you might have been

Arrive Home

Sleep

Smart curtain
Raise to 32% | 1F...

28℃
28/20℃ Sunny
15%   10km/h   28℃

Ceiling lamp
50% | 1F Livingroom

SP-GW-6S

Get instant access to the panel

Available in recessed and surface mounting

- Surface mounting

  USB Type-C powered port

- Recessed mounting

  86 type junction box
  No need to modify wiring
  Magnetic wall mount
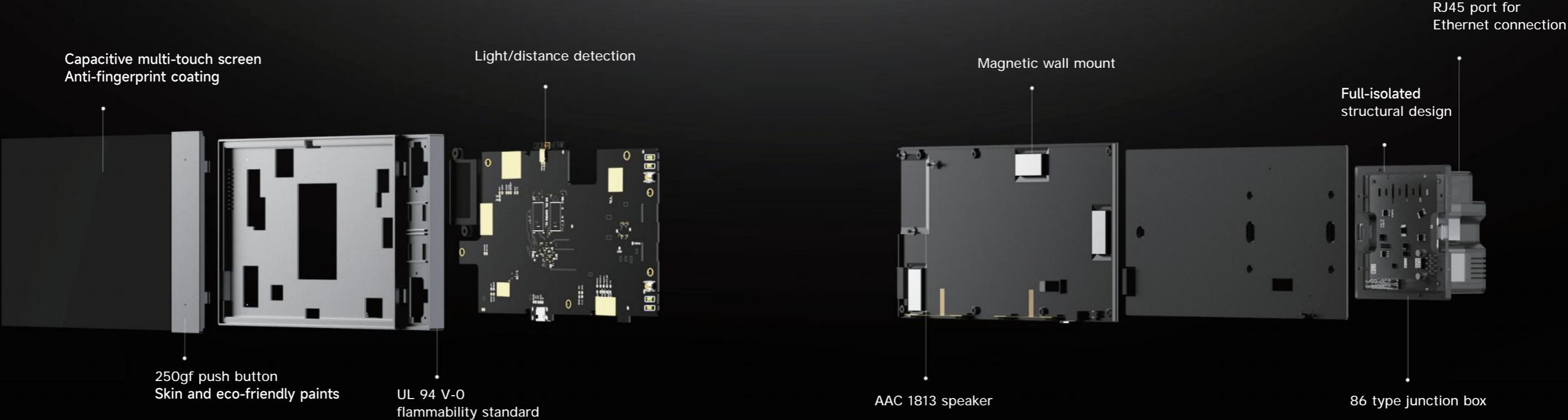
High configuration for best performance

1280×720

Direct control over
home appliances
Support 8000+ brands

6-inch FHD IPS display
with 0.8mm border
Resolution: 1280*720

2-CH Switch, 400W/CH

USB Type-C powered port

Meticulous Craftsmanship

Capacitive multi-touch screen
Anti-fingerprint coating

Light/distance detection

RJ45 port for
Ethernet connection

Magnetic wall mount

Full-isolated
structural design

250gf push button
Skin and eco-friendly paints

UL 94 V-0
flammability standard

AAC 1813 speaker

86 type junction box

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
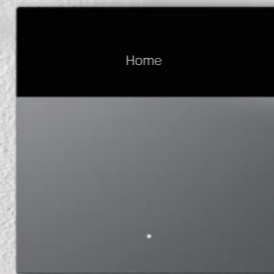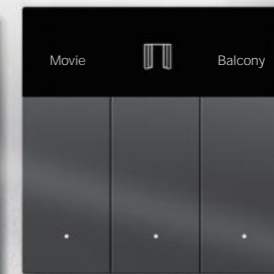
Home	Sleep Air	Movie Balcony	
S1 Pro	S2 Pro	S3 Pro	SQ Pro

Smart, user-friendly screen display

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

Three display patterns: Text / Icon/ Text+Icon

Movie	Reading	🎉

Party	Don't forget to have dinner

🍴	Happy Birthday

Buy some meat for BBQ	🏃	Sleep

Convert traditional lights into smart ones

Short press: Turn light ON/OFF, perform scene

Long press: Adjust brightness, CT, light colors

SUPER

Super Panel 4S

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

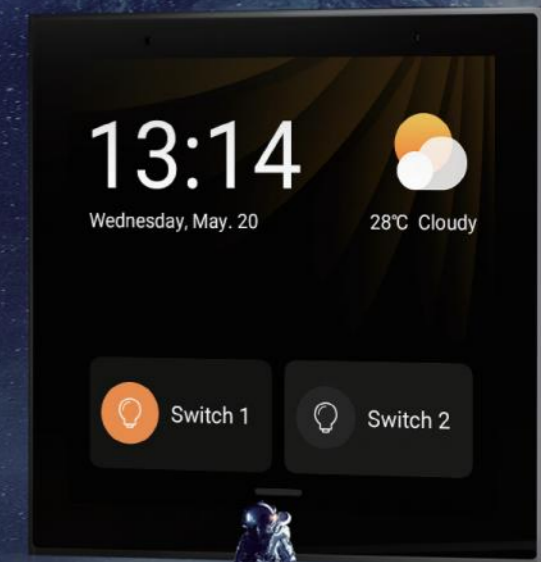Make smart control easier

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

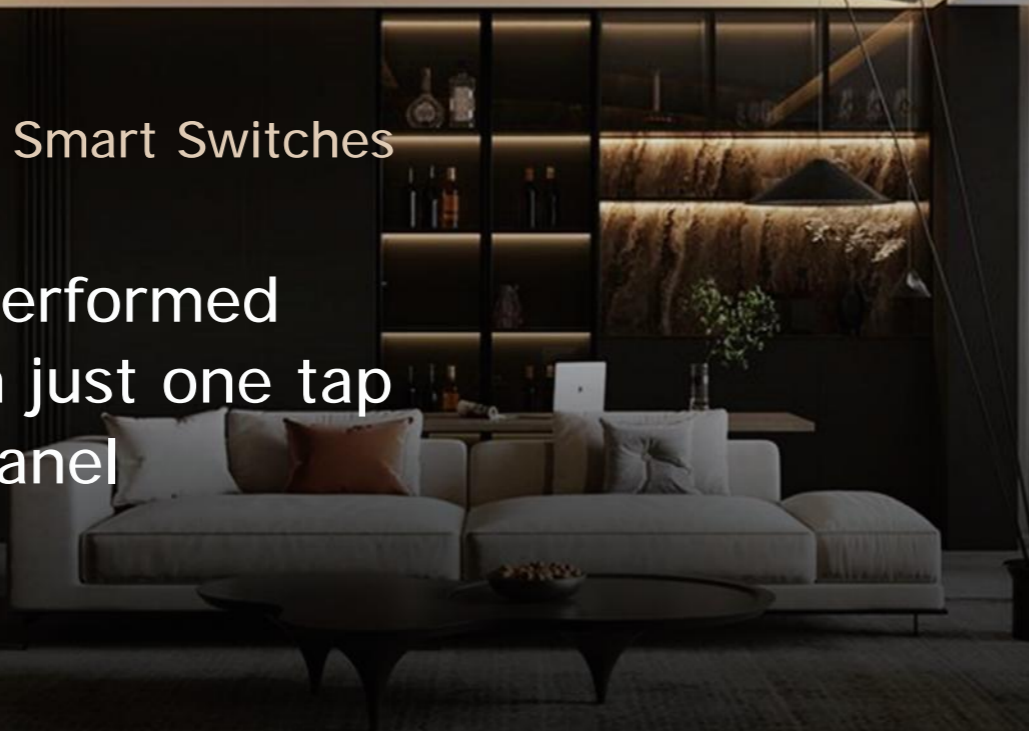Auto wake up when approaching within 12 inches

13:14
Wednesday, May. 20
28℃ Cloudy

Switch 1

Switch 2

SP-GW-4S

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

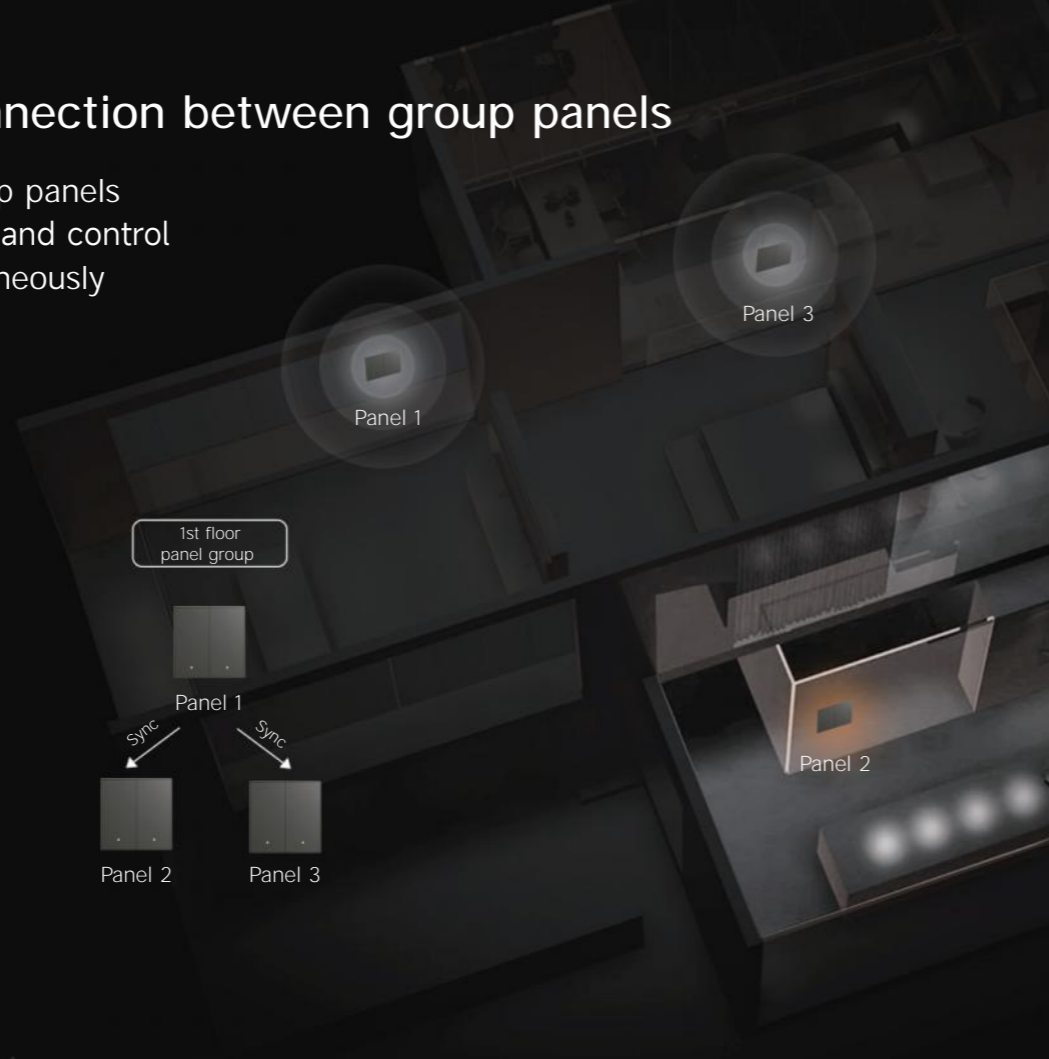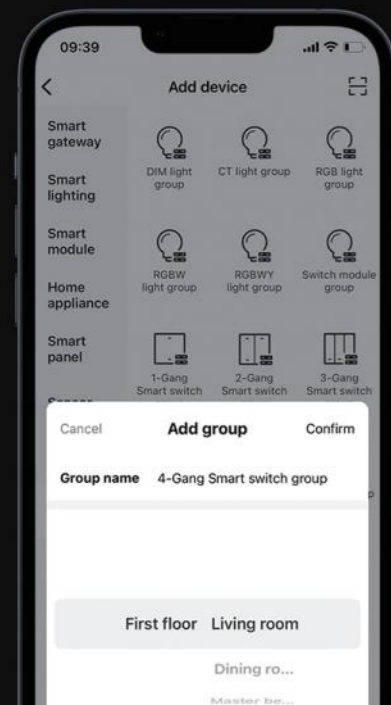SQ   S3   S2   S1

Automated interconnection between group panels

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

Panel 3

Panel 1

1st floor
panel group

Panel 1

Sync   Sync

Panel 2

Panel 2   Panel 3

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
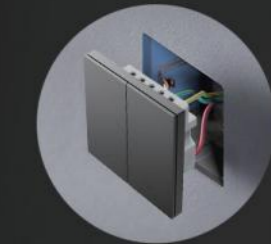
·Junction box AC powered

·Battery powered

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 mounted boxes

Double panel surround   Triple panel surround   Quad panel surround

Super Panel
Super Smart Switches

SP-GW-BLE
Super Panel

S8M
Premium Series
Super Smart Switch (8 Gang)

S4M
Premium Series
Super Smart Switch (4 Gang)

PS-BLE01
Elegant Series
Super Smart Switch (1 Gang)

PS-BLE02
Elegant Series
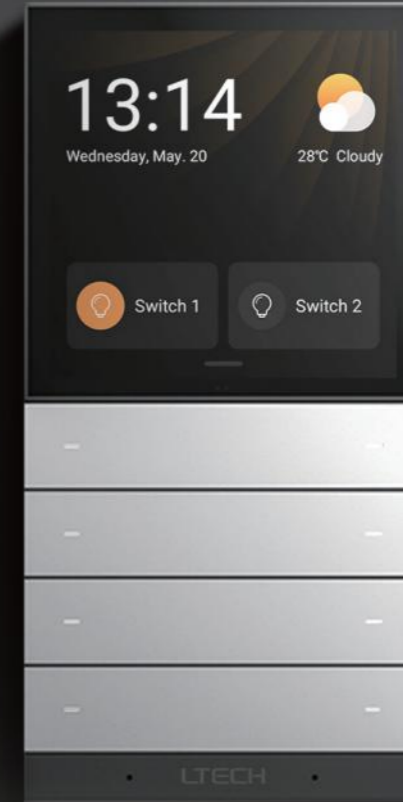Super Smart Switch (2 Gang)

PS-BLE04
Elegant Series
Super Smart Switch (4 Gang)

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-4S

SP-GW-6S

SP-GW-BLE

Super Panel 4S
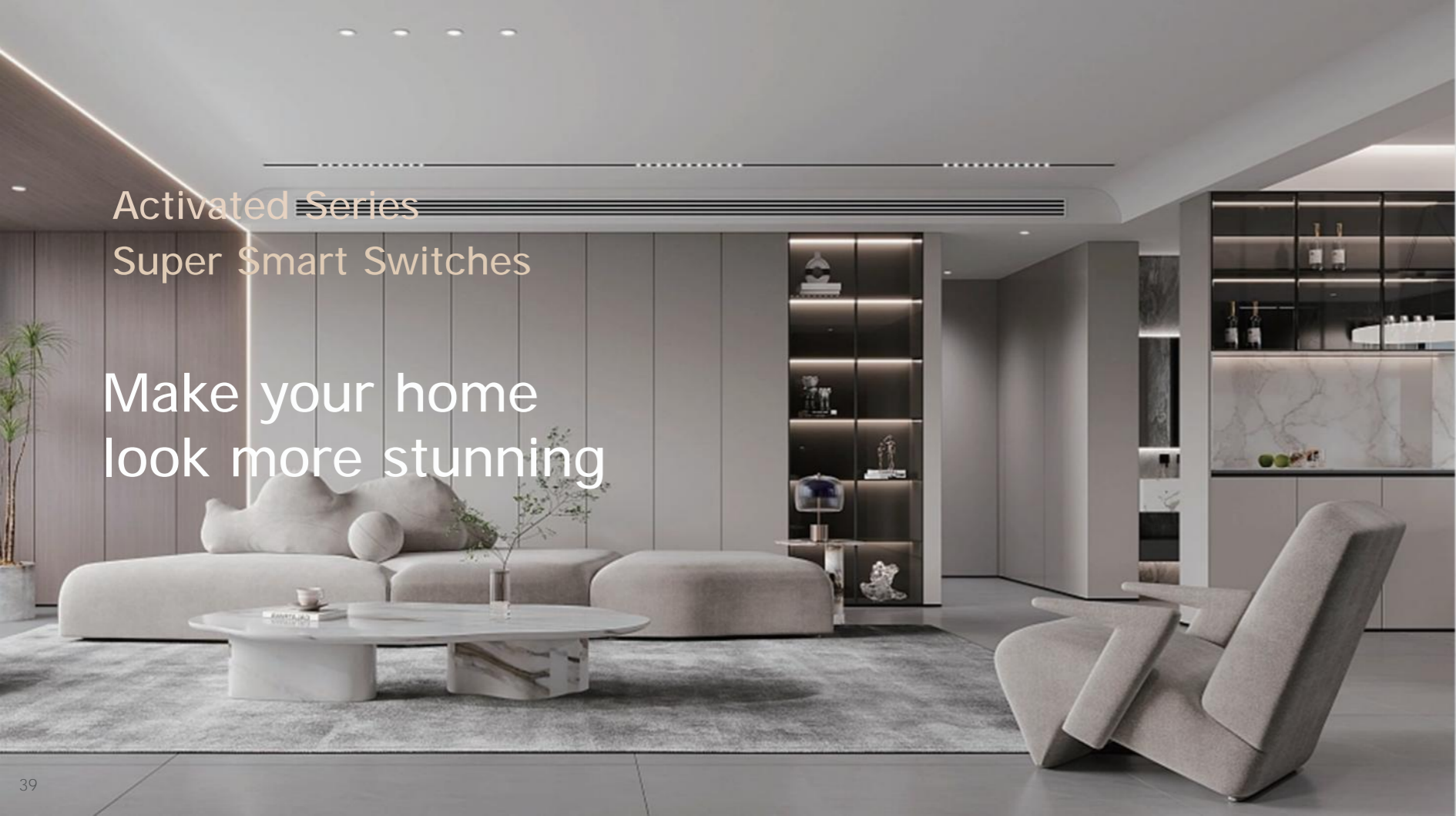
4-inch

2 mic array

0.8mm border

Super Panel 6S

6-inch

4 mic array

0.8mm border

Super Panel

4-inch

2 mic array

0.8mm border

Activated 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

Gold

Pink

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 wires or cut 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

Enable you to simultaneously control multiple types of luminaires in different areas of your home

Turn various types of lights on/off and change the brightness and colors of lights

Simple and flexible operations put the lighting control in the palm of your hands and make your life smarter

Achieve smart linkage via the app and let you enjoy the smart life

RC4-BLE

Super Smart Accessories

HAM-BLE

Home Appliance Module

MR04-LBS

Ceiling Type
Microwave Motion Sensor

HS-BLE

Motion Sensor

CG-AIR

Central Air
Conditioner Module
(Floor Heating/Fresh Air)

CG-CUR15

Bluetooth Curtain Motor

RELAY-BLE01

Single-Channel
Bluetooth Relay

CG-AUDIO

Music Player

CG-TRIG

Bluetooth Dry Contact

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 hand

Home Appliance Module

Control all your electronic devices by one tap

Fan

L-Home

Curtain

Air conditioner

Water heater

Airer

Projector

TV

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 and automation control

Central Air Conditioner Module (Floor Heating/ Fresh Air)

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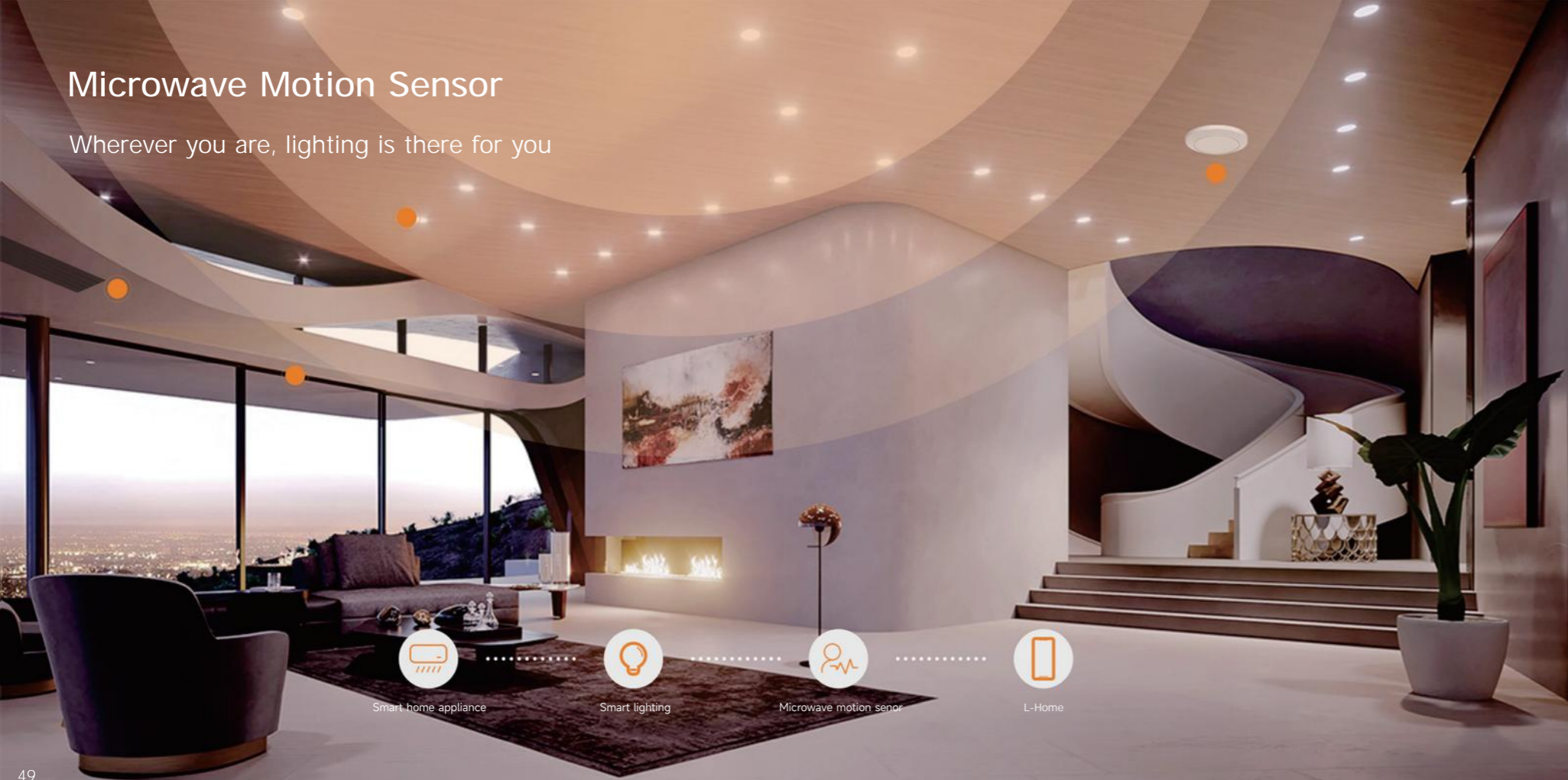and freely control your room temperature

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 senor

L-Home

- Precisely detect human motions

Detect breathing

Detect big motions

Detect minor motions

Repel bugs

ON/OFF

Light level

Multi-protocol

Sense natural & LED light

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, TB 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, or controlled by a remote and 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. If the curtain meets resistance during operating, it will stop

CG-CUR15

CG-TRIG

Bluetooth Dry Contact

• Use advanced Bluetooth 5.0 SIG Mesh networking communication technology that transmits high-speed and stable signals

• Connect with our L-Home IoT Cloud Platform

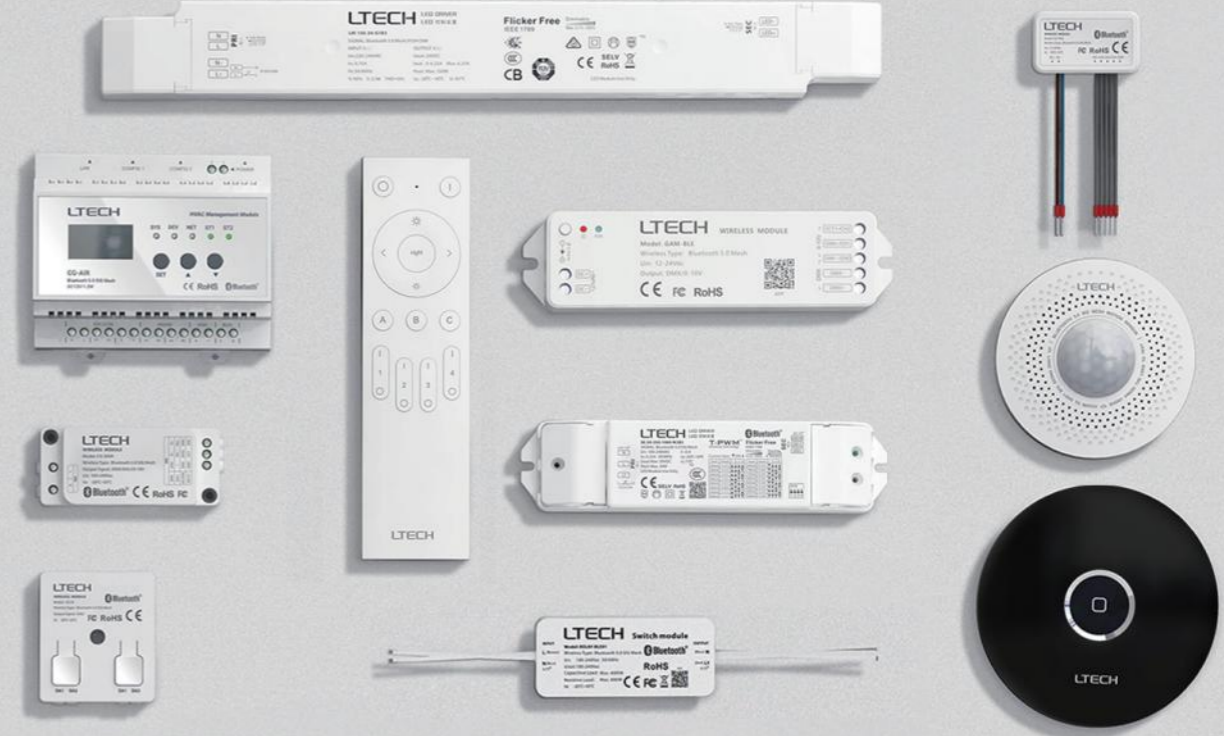• Controlled by third-party smart devices as well

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-DAM
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-150-12-G2D2
(150W 12V CT)

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

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

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

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-30-200-900-W1B
(30W 200-900mA DIM)

SE-30-200-900-W2B
(30W 200-900mA 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**

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%

0.0001%   0.001%   0.01%   0.1%   1%
Types of depth dimming
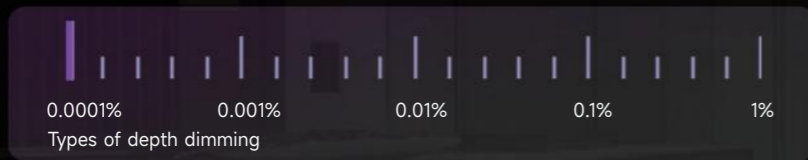
Testing standard: Lamp $\dfrac{\text{Current of maximum brightness}}{\text{Current of minimum brightness}}$ For example $\dfrac{300\text{mA}}{\leqslant 0.0003\text{mA}}$ ⟶ ≥0.0001%

*Data comes from LTECH laboratory

Super Wireless Modules 2.0
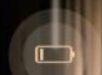
Wired +Wireless solution

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（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

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
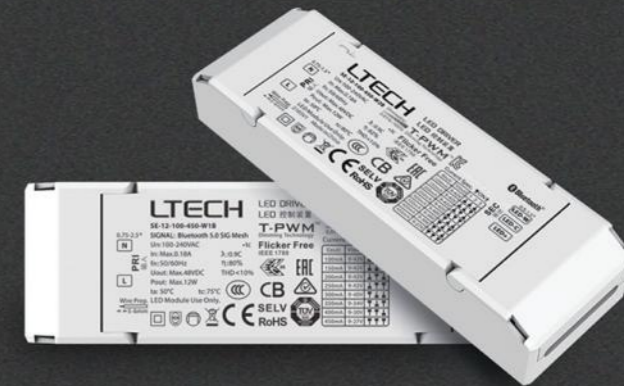
SE Series

- High performance, great quality. Flicker-free, soft lighting

- Ultra small, thin, lightweight

- Rubycon capacitor, 5-year warranty

- Control all various types of luminaries in your home

- Simple and elegant with screwless clamshell design.
  A perfect combination of art and utility.

Magnetic Track Light LED Drivers
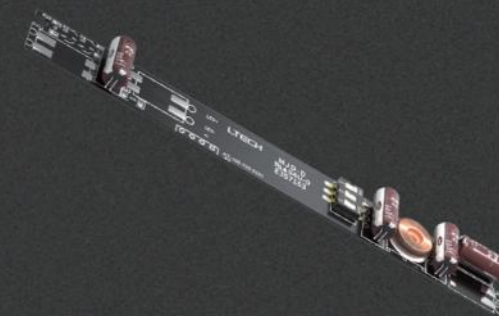
0/1-10V DALI Bluetooth 5.0 Zigbee

- 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
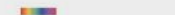
3.5-29.4W DIM

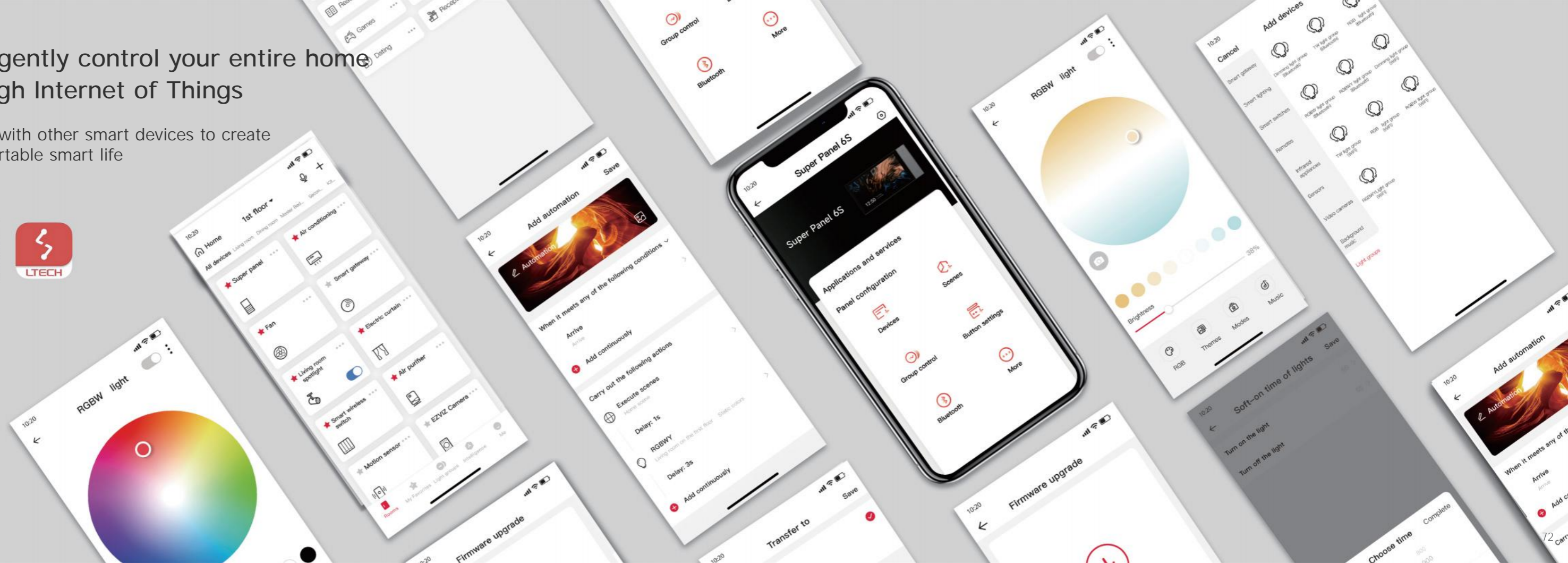0-75W DIM

0-75W CT

0-150W DIM

0-150W CT

0-150W CT RGBW

Bluetooth® CCC TÜV CB CE RoHS EHI KC

Bluetooth® CCC TÜV CB CE RoHS EHI KC

Intelligently control your entire home through Internet of Things

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

L-HOME APP

LTECH

Super Panel 6S

Applications and services

Panel configuration

Scenes

Devices

Button settings

Group control

More

Bluetooth

Solutions

< 150m²

< 150m²-350m²

Customized solutions

Solution for residential homes

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

- Electric curtain
- Intelligent airer
- TV control
- Motion sensor
- Air conditioning control

- Super Panel 6S
- Intelligent lighting
- Fan control
- Intelligent remote

Solution for high-end villas

It aims at a villa area between 150 m^2 and 350 m^2. 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
- Intelligent airer
- TV control
- Motion sensor
- Air conditioning control
- Super Panel 6S
- Intelligent lighting
- Fan control
- Scene panel
- Air purifier
- EZVIZ camera
- Intelligent remote
- Intelligent wireless switch

Customized solutions

Offer tailor-made 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.