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SMART HOME SOLUTIONS

2026 / 08

SMART HOME SOLUTIONS

Since 1985, Your Reliable Partner

HDL Automation Co.,Ltd.



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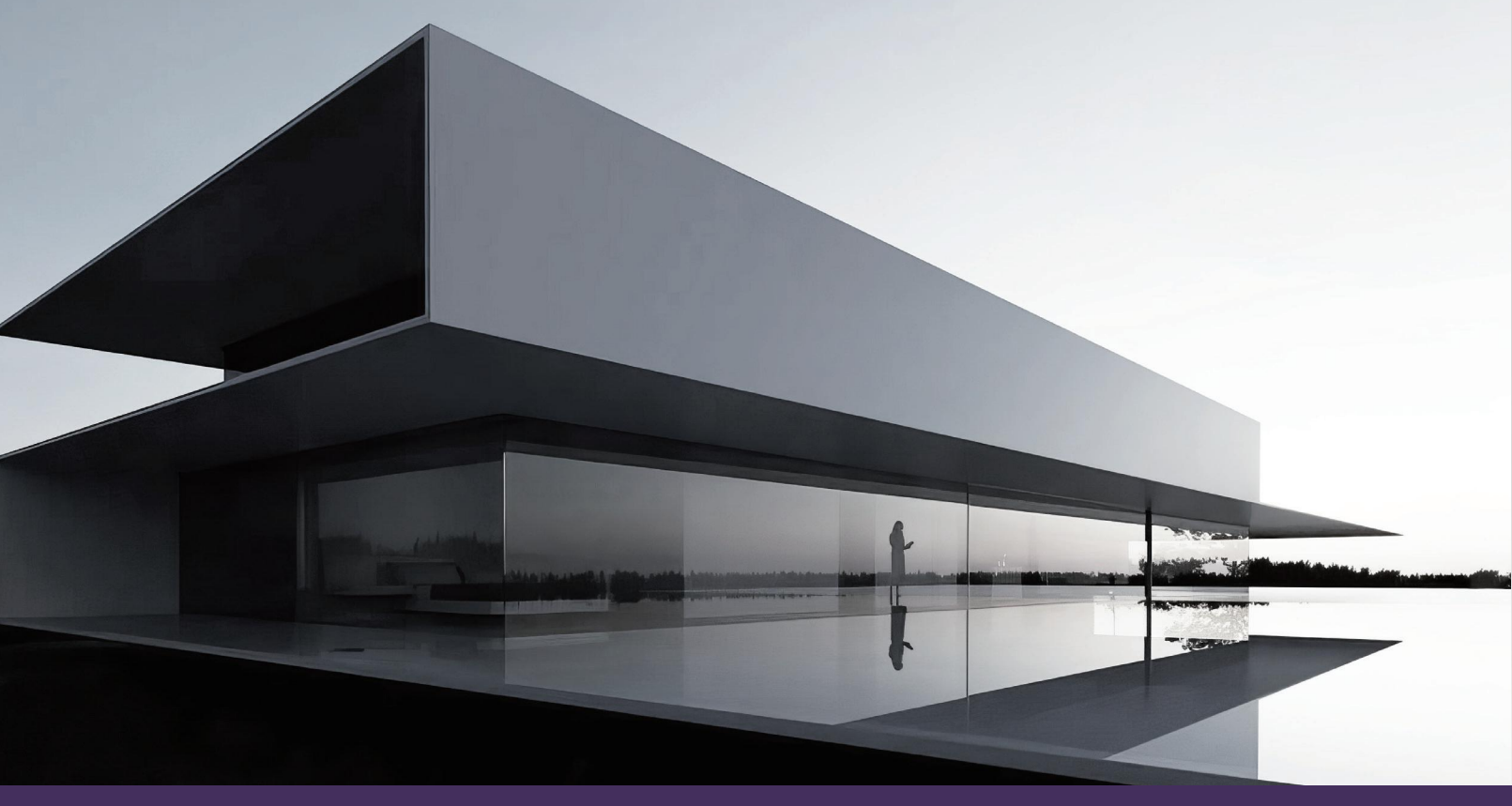
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Who we are?

HDL Automation, established in 1985, is a global provider of intelligent automation solutions for residential, commercial and hospitality projects. With over 40 years of experience and more than 500,000 successful projects worldwide, HDL has built a strong reputation for reliability, innovation and long-term partnership.

Backed by an open ecosystem, global technical expertise and continuous product innovation, HDL delivers scalable, future-ready solutions that empower system integrators, developers and end users around the world.



1985
Founded

109+
Countries and Regions

500,000+
Completed Projects

Brand History



1985

HDL was established, committing itself to R&D and application of lighting control products.

1995

HDL introduced China's first semi-digital dimmer cabinet--the Hedong Xiongfeng Dimmer Cabinet--which was successfully applied in the Great Hall of the People in Beijing.

2004

HDL was the first to introduce a range of smart home products, known as the Shiqi series.

2007

HDL took its first step in global expansion, marking the beginning of its globalization with entry into the Dubai and Israel markets.

2015

HDL was among the earliest enterprises to introduce a set of wireless smart home products in the domestic market. It was also the first enterprise to apply both wire and wireless distributed system into the projects.

2017

HDL test center was authorized by the KNX organization as the 16th certified KNX test center in the world. It is also one of only two test centers in mainland China.

2021

HDL built a comprehensive partnership ecosystem and launched the HDL LINK protocol, thereby realizing the interconnection of the three HDL systems (Buspro, Buspro Wireless and KNX).

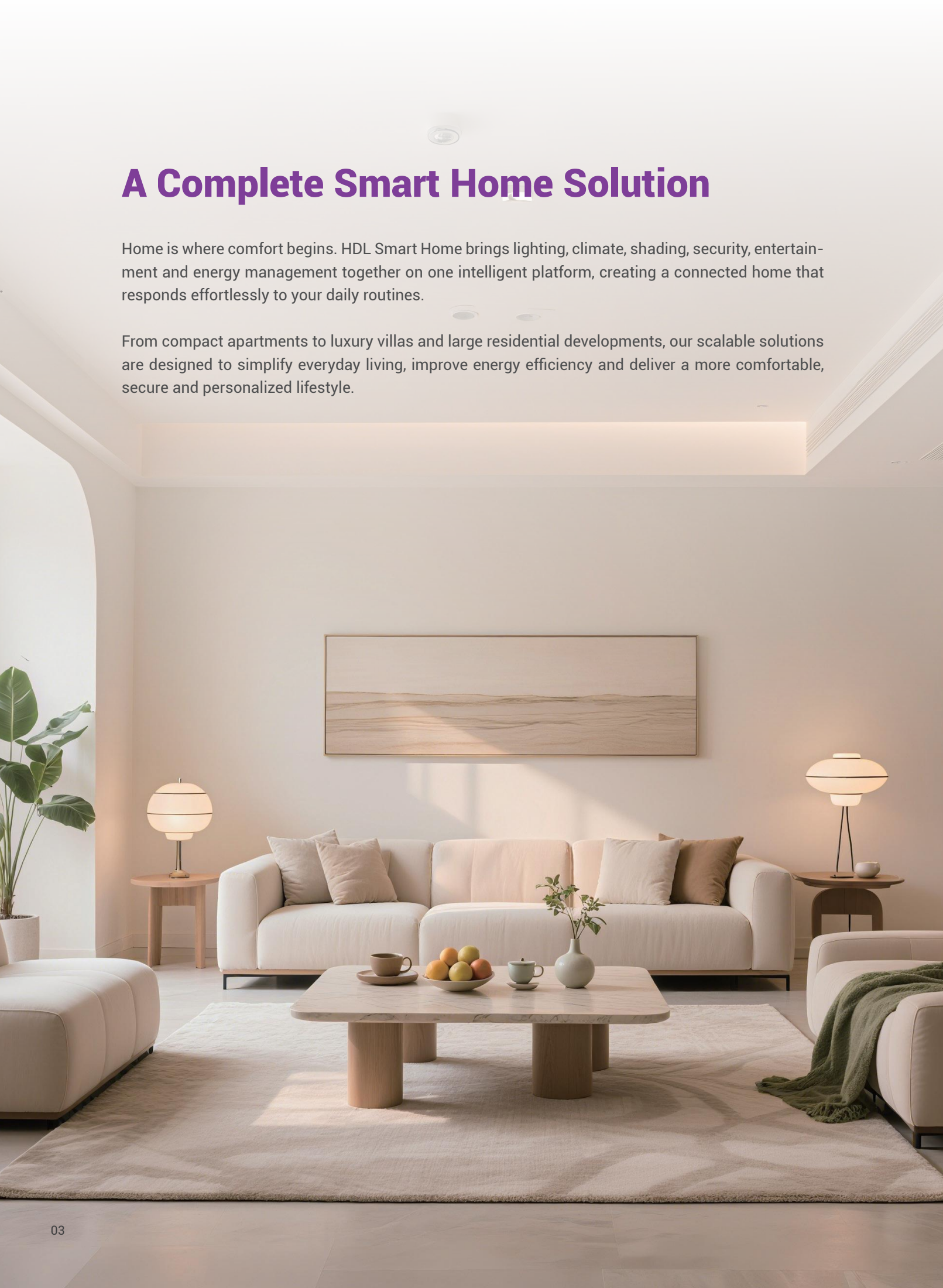
2024–Present

HDL was recognized as the "No.1 Wired Smart Home Brand in China" and received multiple prestigious industry recognitions. It also introduced Xenterra, its new sub-brand dedicated to AI-driven home energy management.

A Complete Smart Home Solution

Home is where comfort begins. HDL Smart Home brings lighting, climate, shading, security, entertainment and energy management together on one intelligent platform, creating a connected home that responds effortlessly to your daily routines.

From compact apartments to luxury villas and large residential developments, our scalable solutions are designed to simplify everyday living, improve energy efficiency and deliver a more comfortable, secure and personalized lifestyle.



Control Systems

Buspro

HDL's proprietary wired control system, combining Ethernet and RS485 communication for reliable performance, flexible expansion and seamless third-party integration. Ideal for projects requiring stable and scalable automation.



KNX

The world's leading open standard for building automation, offering excellent interoperability and long-term reliability. As a KNX Association member since 2006, HDL provides a full range of certified KNX products.



Buspro Wireless

HDL's proprietary wireless control system, using mesh networking for reliable communication and flexible installation. Ideal for retrofit projects where wiring is limited.

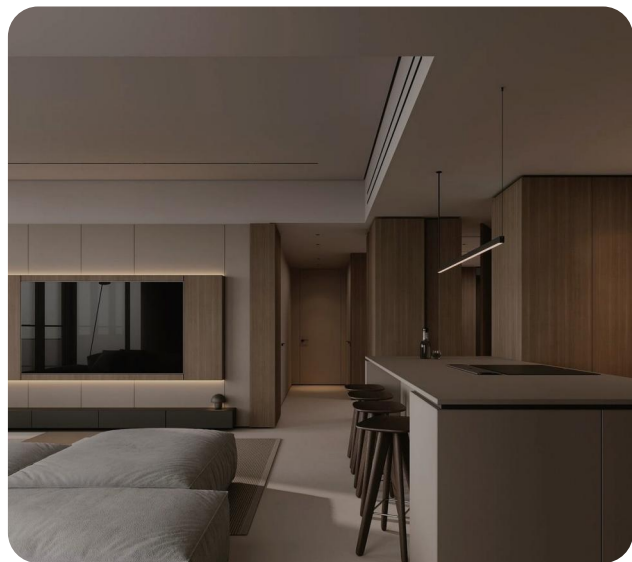


Zigbee

Based on the Zigbee standard, HDL's Zigbee solution provides reliable wireless connectivity and broad smart home compatibility. Ideal for projects requiring flexible and easy installation.



The Value of Smart Living



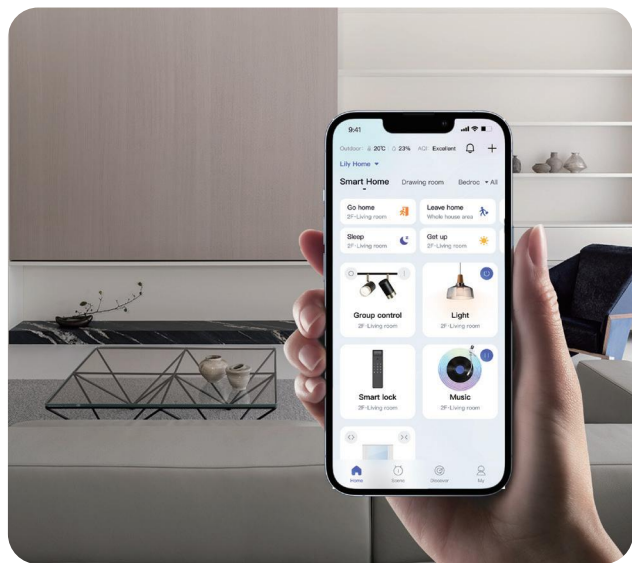
Personalized Comfort

Your home adapts to your lifestyle with automation tailored to your daily routines and preferences.



Unified Control

Manage your entire home through one intuitive interface that integrates multiple systems with simplicity and ease of use.



Always Connected

Stay informed with real-time notifications and manage your home remotely, wherever you are.



Sustainable Living

Optimize energy usage intelligently while maintaining everyday comfort and convenience.



Why Choose HDL



Interoperability

Works seamlessly with leading third-party systems and devices.



Scalability

Adapts easily to projects of different sizes and future expansion needs.



Flexibility

Supports multiple control technologies to meet diverse project requirements.



Reliability

Delivers stable performance backed by proven technologies and professional engineering.

A smart home is more than connected devices. HDL integrates lighting, climate, shading, security, access control, entertainment and energy management into one intelligent ecosystem, allowing every part of your home to work together effortlessly.

SOLUTIONS | OVERVIEW



Lighting



Shading



Climate Control



Audio and Video



Safety and Security



Access Control



Energy management



Lighting Solutions

Brightness control

Apart from turning ON/OFF the lights, you can adjust the brightness as well with HDL system. The interface on our wall panel or mobile app shows you the brightness in percentage. Drag the slider on the interface and you will get the exact light for your ongoing activity.

Color control

HDL offers you full control of light colors. Whether you are having a romantic dinner or a cheerful party, you can always easily set the wonderful lighting effect with colors.

Color temperature control

From cold to warm, different color temperatures of light may give us a different mood. HDL smart lighting system enables 2700K-6500k color temperature adjustment so that you can feel free to adjust it to make yourself more relaxed and comfortable.



Shading Solutions

Natural light management

HDL smart shading can help control the curtains or blinds automatically throughout the day simply by opening and closing at pre-programmed times or based on sun light so as to help maximize the amount of daylight in your home to cut down on electricity usage.

Accurate position control

Your curtains can run the full way to close and open with one button while can be stopped at any position with a Stop button, which is simple and just takes a few minutes. Or you can select a percentage to let them stop at any position to let in perfect amount of light.

Super quiet operation

The sound made by the curtain motor is lower than 35dB. It won't disturb your sleeping baby.



Climate Solutions

Temperature Control

Control air conditioning, heating and ventilation through smart panels or the HDL Home app, giving you the flexibility to adjust the indoor climate anytime. Automated control can also maintain a comfortable temperature throughout the day.

Air quality detection

If the system detects poor air quality, for example, high levels of carbon dioxide, the exhaust fan will be automatically turned on to ensure fresh air, and thus provide you with a safe living space.

Whole-Home Comfort

Manage multiple air-conditioning units as one system to maintain a consistent temperature throughout your home. Whether in the living room, bedroom or other spaces, every area stays comfortable with coordinated climate control.



Audio & Entertainment Solutions

Entertainment control

The audio-video centralized control system enables convenient operation of various cinema devices (smart projector, audio system, amplifier, Blu-ray player, KTV system, game host etc.). At the same time the smart lighting system and shading system are activated simultaneously to create a perfect mood for the happy time.

Multi-room background music

HDL offers background music control in smart home solutions. Each area of your home is equipped with speakers that are controlled by the background music system, allowing users to select music, play music and adjust volume by areas, so that you can move from room to room or even outside while enjoying the music's perfect quality and volume no matter where you go. And your background music can also link with Scenes. For example, Dinner Mode can go with a piece soft music while controlling the lights over dining room.



Security Solutions

Video surveillance

Integrate indoor and outdoor surveillance cameras to monitor your property in real time. View live video remotely through your smartphone and stay connected to your home wherever you are.

Intrusion detection

Detect unauthorized entry through intelligent sensors, including motion, door and window detection. Instant alerts and automated responses help enhance home security.

Safety protection

Detect potential hazards such as smoke, gas leaks and water leakage at an early stage, enabling timely notifications and automated actions to help protect your family and property.



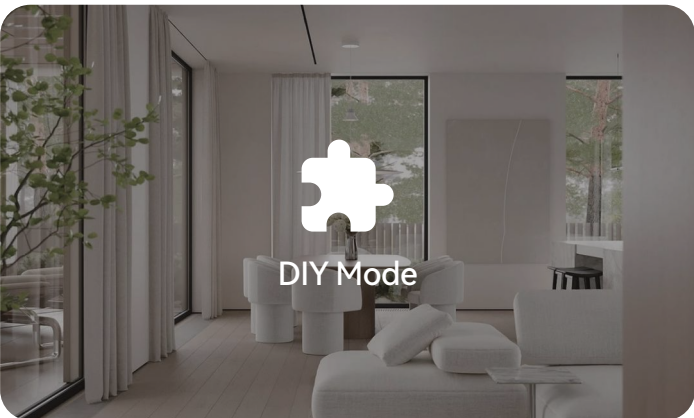
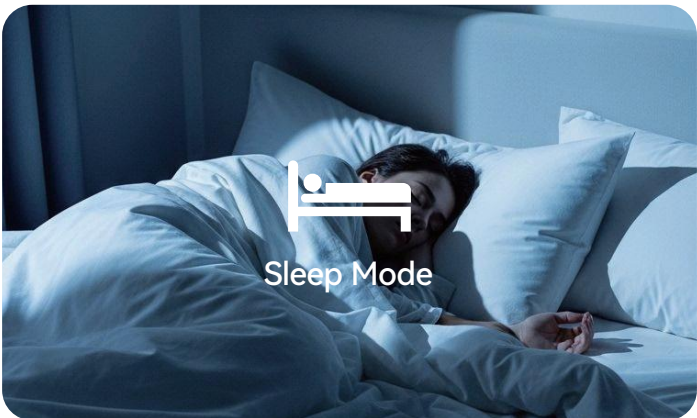
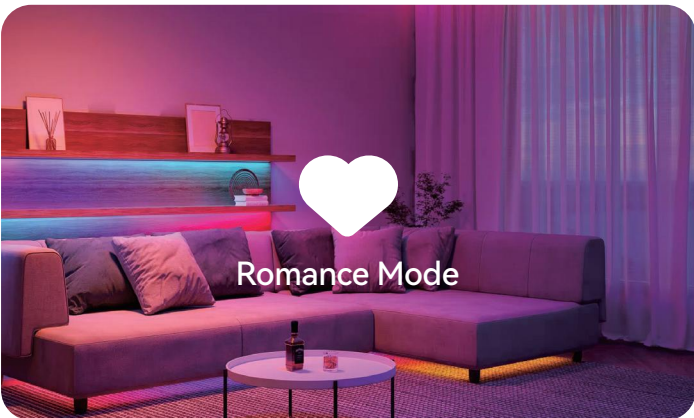
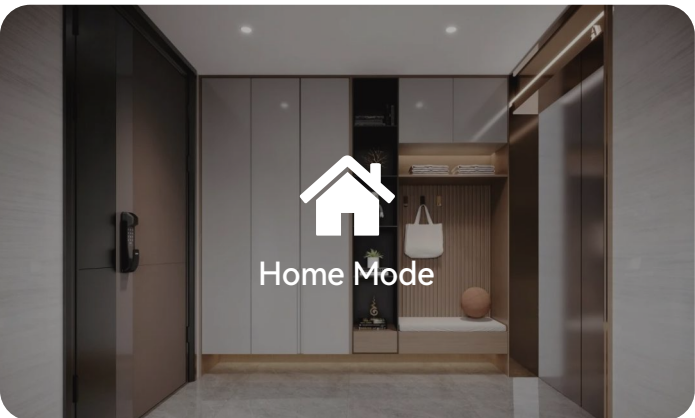
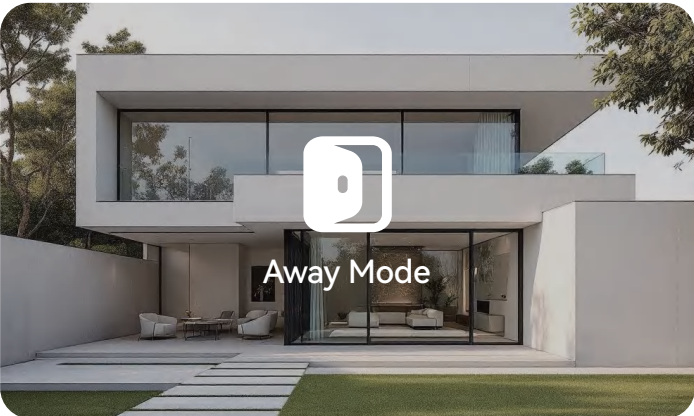
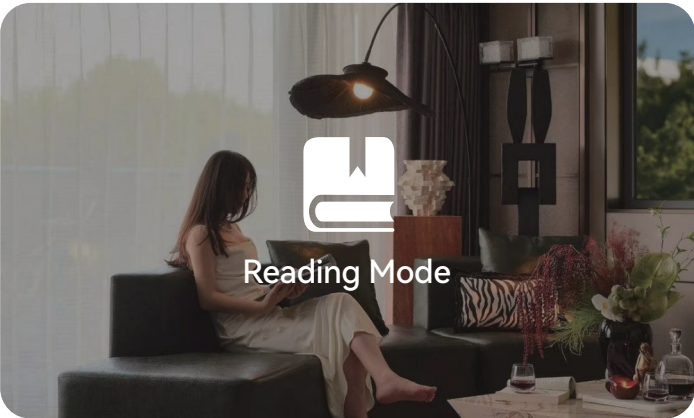
Access & Intercom Solutions

Access control

Integrate smart door locks into the HDL Smart Home system, supporting fingerprints, PIN codes and mobile access. Unlock your door the way that suits you best, whether your keys are with you or not.

Intercom control

Integrate SIP-compatible door stations with HDL Smart Home, enabling visitor communication, local monitoring, and door unlocking through HDL Source Series or the HDL Home mobile app. Never miss a visitor, even when you're away.



Set the Perfect Ambience for Every Moment

Create personalized scenes that bring lighting, climate, shading, entertainment and security together. With a single tap, multiple devices work in harmony to match your daily routines and lifestyle.

Every family lives differently. HDL allows you to create your own scenes by combining devices, conditions and schedules, making your smart home truly personal.

Multiple Ways to Control Your Home



Works with
Google Assistant



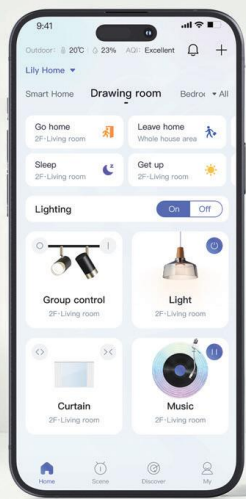
Works with
Apple HomeKit



Works with
Amazon Alexa



Работает
с Алисой



Voice control

You can control the devices like lights, curtains, TV and AC by speaking. For example, ask Google Home to turn off the lights and close curtains when you are ready to sleep.



Smart Panel Control

You are allowed to control all the connected devices on one all-round panel, there are touch control panel and push-button panel for you to choose from. For example, you can pick easy-to-use button panels for the elderly and little kids.



App Control

HDL systems enable users to control all devices through smartphones and tablets anywhere and anytime. Everything is under your control.



Automatic Control

With logic settings and sensors in the system, the target devices will run in a pre-programmed way once the condition is triggered. In many cases, the system makes the judgement and run the tasks automatically so that user interference can be largely reduced.

Smart Solutions for Apartments

HDL smart home solutions for apartments are designed to enhance everyday comfort, convenience and efficiency. Flexible configurations make it easy to match different project requirements and budgets, from standard residential units to premium apartments, while providing a consistent and intuitive user experience.



Basic

 Shading

 HVAC

 Lighting

Standard

 TV

 Music

 Shading

 HVAC

 Lighting

Premium

 Floor Heating

 Security

 TV

 Music

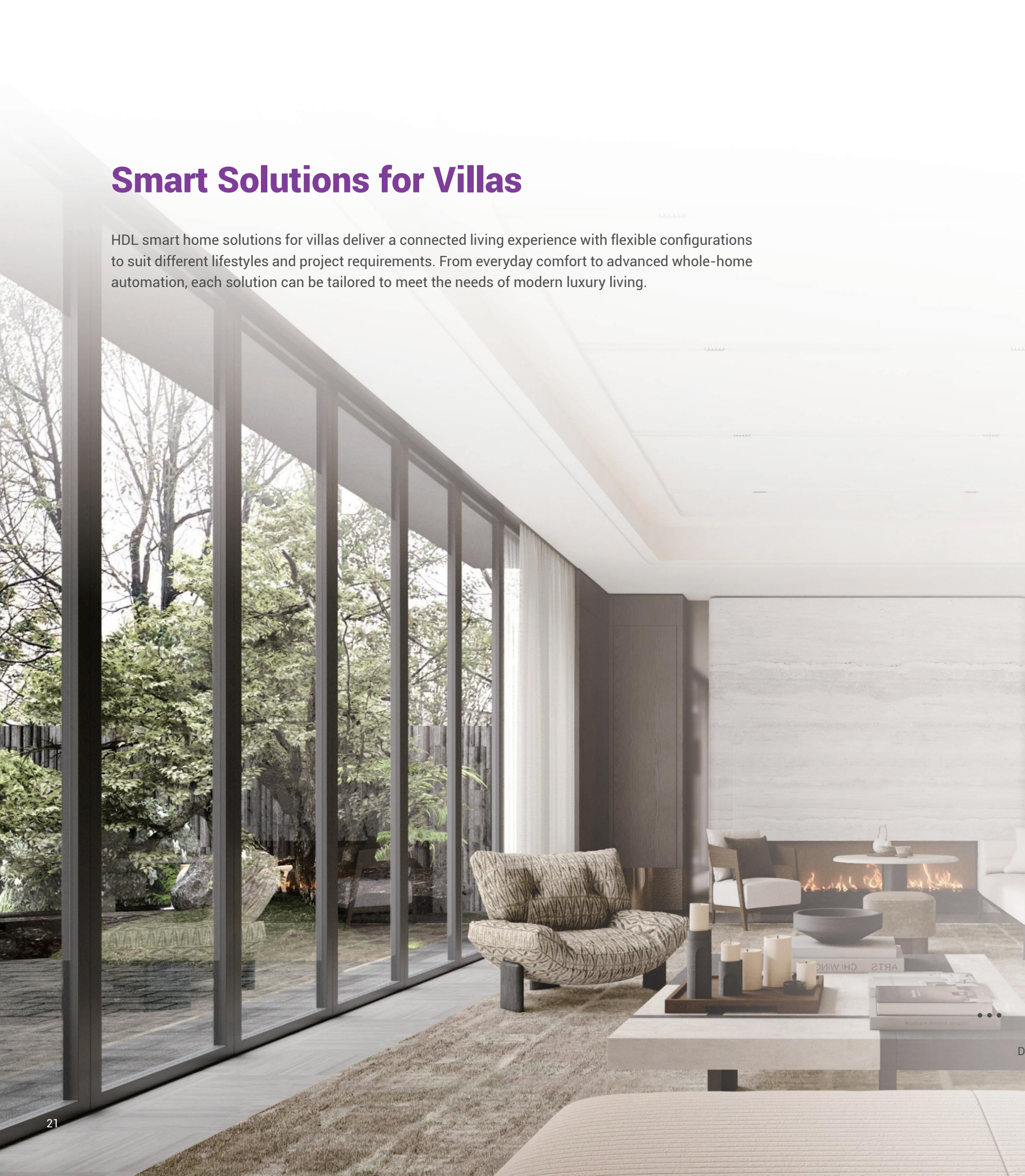
 Shading

 HVAC

 Lighting

Smart Solutions for Villas

HDL smart home solutions for villas deliver a connected living experience with flexible configurations to suit different lifestyles and project requirements. From everyday comfort to advanced whole-home automation, each solution can be tailored to meet the needs of modern luxury living.



- Basic
- ...

Shading

HVAC

Lighting
- Standard
- ...

TV

Music

Security

Shading

HVAC

Lighting
- Premium
- ...

Water Detection

Irrigation

Floor Heating

Intercom

TV

Music

Security

Shading

HVAC

Lighting

HDL offers a comprehensive portfolio of smart home products, including intelligent control panels, mobile applications, gateways, sensors, controllers and other system devices. This section highlights some of the key products that deliver a seamless and intuitive smart home experience.



PRODUCTS | OVERVIEW





HDL Home

HDL Home is an intuitive smart home app that brings device control, scene management, and home sharing into one seamless platform. Designed for simplicity and flexibility, it lets you manage your smart home anytime, anywhere—creating a more convenient, comfortable, and connected living experience.

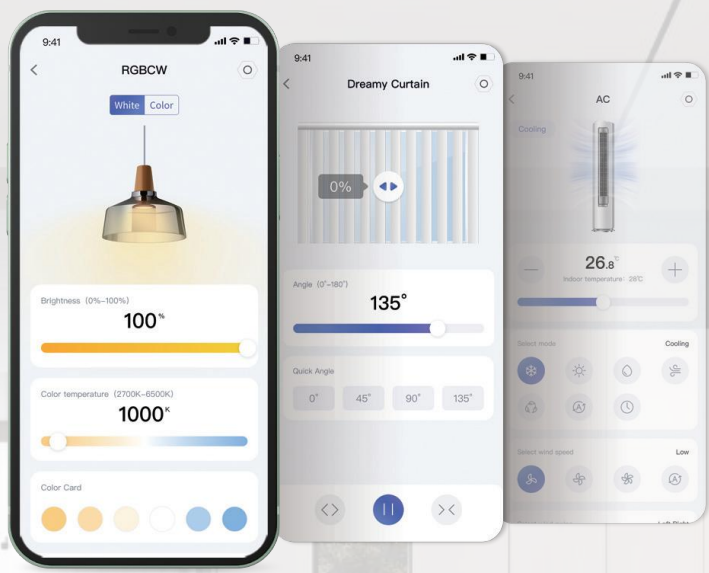
- 
Curtains
- 
Lights
- 
Door Lock
- 
AC
- 
More



Scan to download HDL Home

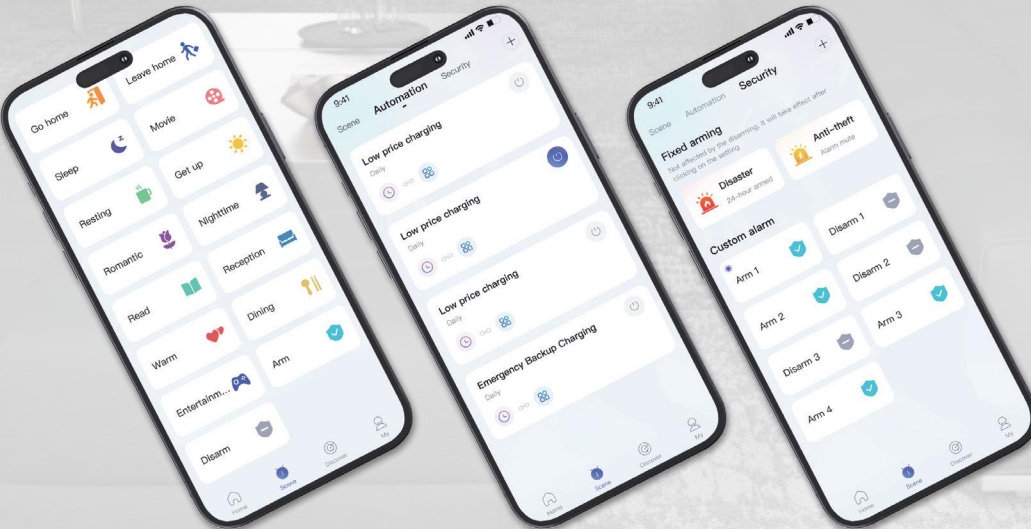
Effortless Device Control

Control every connected device in your home from a single app, including lighting, curtains, air conditioning, door locks, and more. With a clean interface and intuitive navigation, HDL Home makes everyday operation simple, efficient, and enjoyable.



Personalized Scenes & Automation

Create personalized scenes and intelligent automations that fit your daily routine. Combine lighting, shading, climate, security and entertainment into customized experiences, and let your home respond automatically based on time, sensors or your personal preferences.



Designed with Elegance,
Built for Intelligent Control



Xelent Series

Xelent Series blends elegant design with intelligent control, creating a refined experience for contemporary living spaces. Its clean lines and consistent design language are complemented by thoughtful features such as precise temperature control, adjustable proximity sensing, smart energy-saving functions and broad compatibility with international wall box standards.

- Brass
- Bronze
- Black
- Ivory White
- Charcoal Gray



Tile Series

Tile Series brings flexibility to smart control through its modular design, allowing multiple panels to be seamlessly combined while maintaining a clean and unified appearance. With customizable buttons, precise sensing and temperature control, it easily adapts to different spaces while delivering intuitive everyday interaction.

Ivory White
 Ash Gray
 Champagne Gold
 Space Gray
 Black

Source Series

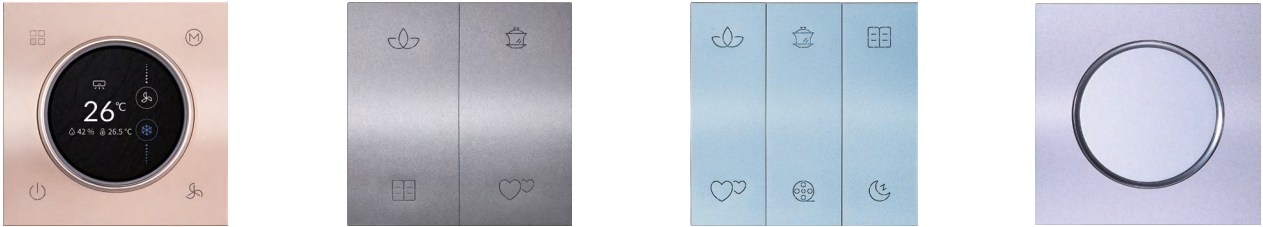
Source Series is designed to bring intelligent control into every room with a versatile range of panel sizes and configurations. Featuring a distinctive stepless rotary knob, built-in environmental sensors, indoor intercom and gateway functionality, it combines everyday convenience with a clean, contemporary design.



Granite Series

Granite Series combines a minimalist design language with flexible control options, bringing together touch-screen and push-button panels for different spaces and user preferences. Supporting intuitive control of lighting, climate, shading and scenes, the series also features customizable icons, built-in temperature sensing and online upgrades for a seamless smart home experience.

More Panel Series



Eave Series



Inkslab Series



Fangzhi Series



Enviro



Fanora



DLP Touch

DLP

iTouch

iTouch

CASE | STUDIES |

With extensive experience across residential, hospitality and commercial projects worldwide, HDL has delivered intelligent solutions for a wide range of applications. The following pages highlight selected smart home projects that showcase how HDL creates comfortable, connected and personalized living experiences.

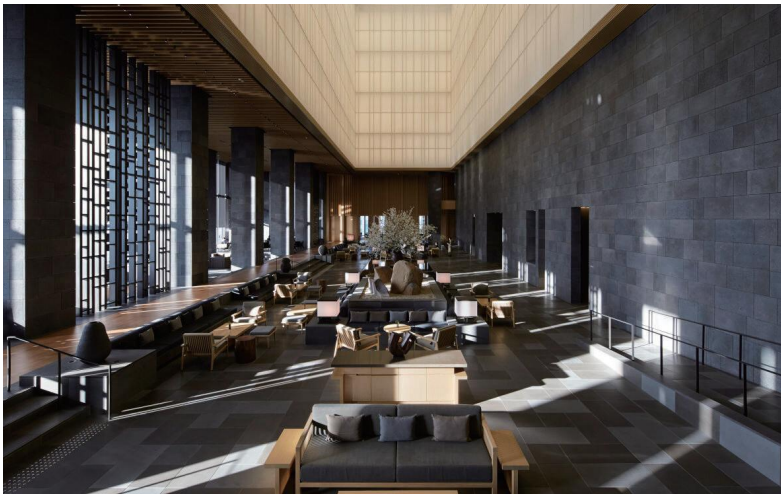


Aman Residences

📍 Japan

- 💡
Lighting
- 🔧
HVAC
- 🌿
Shading
- 🛡️
Security
- 📱
Panel
- 🔗
Integration

Aman Residences Tokyo, the world's first standalone Aman-branded residence, sets a new benchmark for ultra-luxury living. HDL delivered a tailored KNX smart home solution for all 91 residences, seamlessly integrating lighting, shading, HVAC and security into one intelligent platform. Designed to meet the project's uncompromising standards, the system provides personalized automation, exceptional reliability and a refined living experience worthy of one of the world's most prestigious residential developments.



Novi Dorćol Residential District

📍 Serbia

- 💡
Lighting
- 🔧
HVAC
- 🌿
Shading
- 🛡️
Security
- 🌊
Ventilation
- 🚰
Water Valve
- 📱
Phone
- 📱
Panel

Novi Dorćol is a landmark mixed-use residential development designed to blend modern living with the historic character of Belgrade. HDL provides smart home solutions for all 1,300 apartments, enabling intelligent control of lighting, HVAC, shading, ventilation and water valves through smart panels and the HDL Home App. By integrating real-time weather data for automated shading control, the system enhances everyday comfort, improves energy efficiency and demonstrates HDL's capability to deliver reliable smart home solutions on a large scale.



Emirates Hills Villas

📍 UAE

- 💡
Lighting
- 🌡️
HVAC
- 🖼️
Shading
- 🛡️
Security
- 🎵
Audio
- 📱
Phone
- 📄
Panel

As one of Dubai’s most prestigious residential communities, Emirates Hills is renowned for its luxurious villas and exceptional living standards. HDL delivered smart home solutions for 175 villas, creating a seamless living experience that combines comfort, convenience and intelligent automation for modern luxury living.



Wave Island Apartments

📍 Italy

- 💡
Lighting
- 🌡️
HVAC
- 🖼️
Shading
- 📄
Panel
- 🔗
Integration

Wave Island Apartments was designed to offer residents a premium living experience that combines modern architecture with intelligent technology. HDL provided a tailored KNX smart home solution, enabling seamless control of lighting, shading and climate while integrating third-party systems into one unified platform. The result is a comfortable, connected and personalized living environment for every resident.



Banc Apartments

Australia

- Panel
- Ipad
- Lighting
- Floor Heating
- Music
- Intercom

Recognized as one of Brisbane’s premier residential developments, Banc Apartments combines contemporary design with intelligent living. HDL delivered a fully automated smart home solution for 34 high-end apartments, integrating lighting, climate, entertainment and intercom systems into one seamless platform. The result is a smarter, more comfortable living experience that enhances both convenience and everyday quality of life.



Eye of Africa Villa

South Africa

- Lighting
- HVAC
- Shading
- Audio
- Pool
- Panel

Set within South Africa’s prestigious Eye of Africa estate, this contemporary luxury villa was designed to deliver an exceptional lifestyle while embracing panoramic views of its spectacular surroundings. HDL delivered a fully integrated smart home solution that seamlessly connects lighting, shading, HVAC, audio and pool lighting into one intelligent platform. Intelligent automation, customized control panels and sensor-based control work together to create a comfortable, elegant and highly personalized living experience.



More Case Studies



Canada Eyremount Dr Luxury Villa



Türkiye Göktürk Kemer Villa



Thailand Phandin Phuenfa Villa



Dubai S Tower Residential Building



Indonesia 3L Apartment Tower



Croatia Rogoznica Villa