INSTRUCTION MANUAL

HOMELUX SMART - CUBE LITE

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1. Disclaimer

Please read this document carefully before using the product to ensure that you are well acquainted with the product and can use it correctly. After reading this document, please keep it well for future reference. Improper use of this product may cause serious injury to yourself or others, as well as cause product and property damage. Once you use this product, you are deemed to understand, approve and accept all the conditions and contents of this document. HOMELUX SMART is not liable for any loss caused by the user's inability to use this product as provided herein.

In accordance with the law and regulations, HOMELUX SMART reserves the right of final interpretation of this document and all documents related to this product. This document is subject to change (updates, revisions, or withdrawal) without notice. Please visit the official HOMELUX SMART website for the latest product information.

IP20	**IP2X – Finger Access Protection** The product is protected against access to dangerous parts by objects with a diameter equal to or greater than **12.5 mm**. This ensures that no user can accidentally touch internal active parts. **IPX0 – No water protection** The product **is not protected against water** and should not be exposed to: Rain, Splashes, Intense humidity, Water vapor or Condensation The product is therefore intended exclusively for indoor use.
$C\epsilon$	HOMELUX SMART hereby declares that the Plug complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.homeluxsmart.com/manuales-y-certificaciones/
RoHS	**RoHS – Restricción de Sustancias Peligrosas:** El producto cumple con la Directiva 2011/65/UE (RoHS) y sus modificaciones (UE) 2015/863 y (UE) 2017/2102, que limitan el uso de plomo (Pb), mercurio (Hg), cadmio (Cd), cromo hexavalente (Cr^{6+}), PBB, PBDE y los ftalatos DEHP, BBP, DBP y DIBP. All restricted substances are below the maximum permitted limits, according to the relevant test report. Therefore, the product is safe for the consumer and environmentally friendly by avoiding the use of hazardous materials in its manufacture
▣	**The product is Class II,** which means it incorporates double electrical insulation and does not require grounding (PE). Meets the safety requirements set out in EN 623681 and EN 61140.
EMC	**EMC (Electromagnetic Compatibility):** The product complies with the EMC Directive 2014/30/EU, which guarantees that it does not generate undue electromagnetic interference and that it is immune to common disturbances of the electrical environment. The tests carried out confirm that the equipment exceeds the essential emission and immunity requirements according to standards such as EN 55032, EN 55035 and the EN/IEC 61000 series for electrostatic discharge, radiated fields, overvoltages, transients and conducted disturbances. In short: the product is safe, stable and suitable for use in the EU from the point of view of electromagnetic compatibility.
🗑	**WEEE/WEEE:** The wheeled container crossed out with an X indicates that electrical and electronic (EE) products should not be disposed of as unsorted waste but should be disposed of at separate collection points for recovery and recycling.

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2.   General Information

This product has been designed for indoor use and complies with the requirements of electrical safety, electromagnetic compatibility and restrictions of hazardous substances applicable in the European Union.
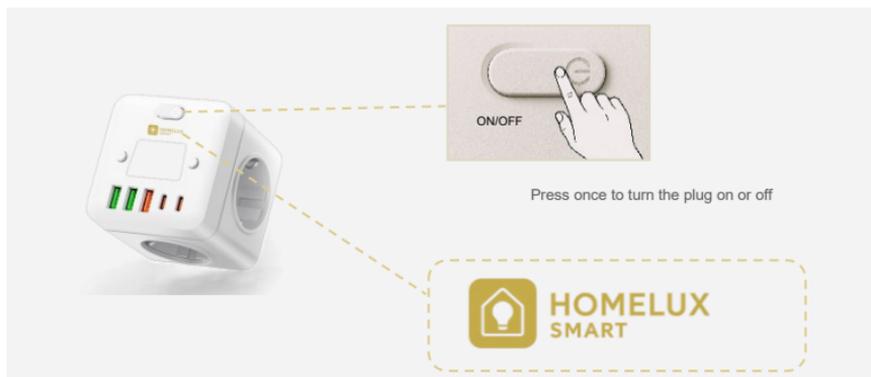
3.   Safety instructions

1.   Before using this product, please read and understand this document and all documents related to this product. Failure to use this product correctly may cause serious injury to yourself or others, or damage the product and other property.

2.   Check that the input power of the device you connect does not exceed the power of this device.

3.   The connector on this device must be plugged into a grounded outlet that is easily accessible.

4.   Do not use two or more of these devices consecutively.

5.   Do not repair this device yourself. To clean it, wipe it with dry cloth.

Professional warning:

This device incorporates Class II insulation. It should not be plugged into any unprotected socket or used with uncertified multiple adapters. Internal manipulation will void CE conformity and may compromise safety.

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4.   Product Overview

ON/OFF

Press once to turn the plug on or off

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5.   LED Lighting

Recommended Colors and Uses Chart — Power Smart Cube Lite
(Regulation available on all: from 5% to 100%, with soft dimming and no flickering)

Temperature / Wavelength	Approximate color	Intensity range	Color Description	Recommended Use
625 nm	Soft Red / Amber Red	5% → 100%	Relaxing red light. At 5% it is a very faint red, perfect for not disturbing sleep.	• Ideal for night mode • Perfect for bedrooms and children's rooms • Does not affect melatonin production, so it does not interfere with sleep
1600 K	Warm Amber	5% → 100%	Warm ambient light, very cozy. At 5% it is a very soft amber light.	• Relaxing environments • Relaxation and meditation areas • Excellent for night hallways • Replaces a candle or warm ambient light
4000 K	Soft neutral white	5% → 100%	Balanced, natural and uniform white color. At 5% it is a very faint target for orientation.	• Everyday and functional use • Bedside tables, daily routines • Spaces where clear but not cold light is needed • For light activities without eye strain

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6.   How to use the Power Smart Cube's LED Night Light

The Power Smart Cube Lite's night light is controlled by two physical buttons located on the front:

Left Button: Adjusts the intensity (5% → 100%)

Right-click: Change the color between the three available modes

1.   Change Color (Right Button)

The right button is exclusively used to switch between the three available colors.

✔ Step-by-step procedure:

    1.1.   Press the right button once.

    1.2.   The Smart Power Cube Lite will automatically switch to the next color in the cycle.

    1.3.   Each press will advance to the following mode in this order:

- Red 625 nm – ideal for sleep
- Amber 1600 K – warm and relaxing
- Neutral white 4000 K – for everyday use
- Returns to the start of the cycle (red 625 nm)

✔ There is no waiting time between each change.

✔ The chosen color is maintained even if you disconnect the device.

2.   Adjust Intensity (%) – Left Button

The left button allows you to adjust the intensity from 5% to 100%, with a smooth dimming and without flickering.

✔ Step-by-step procedure

    2.1.   Press and hold the left button.

    2.2.   The intensity will begin to rise or fall progressively.

    2.3.   When you reach the desired level, simply release the button.

    2.4.   If you touch and hold again:

- If it used to go up, now it will go down.
- If it went down before, now it will go up.

7.   Product Description

The Smart Cube Lite, a model TTPS08XD combines security, functionality and design, fully complying with the standards required for its commercialization in the European Union. It is an ideal solution for users who need to connect and charge multiple devices with complete peace of mind.

It combines multiple universal power outlets with USB ports, allowing electrical and electronic devices to be powered and charged simultaneously within recommended power limits. Its compact design makes it a practical solution for desks, work areas, bedrooms, living rooms and environments where it is necessary to keep several devices connected without compromising security.

8. European Regulatory Compliance

The product complies with the following applicable European directives, mandatory for the marketing of electrical and electronic equipment within the European Economic Area (EEA):

Directives:

- Directive 2014/35/EU (LVD) – Electrical safety for equipment operated within low voltage limits.
- Directive 2014/30/EU (EMC) – Electromagnetic compatibility, ensuring that the equipment does not generate interference and is resistant to electromagnetic disturbances.
- Directive 2011/65/EU (RoHS) + Amendment 2015/863 – Restriction of hazardous substances in electrical and electronic equipment.

Harmonized Standards Applied:

- EN 62368-1 – Safety requirements for electrical and electronic equipment for audiovisual, computer and telecommunications technology.
- EN 60884-1 – Mechanical, thermal and electrical requirements for bases, plugs and sockets for domestic use and similar applications.
- EN 55032 – Electromagnetic emissions from multimedia equipment.
- EN 55035 – Electromagnetic Immunity of Multimedia Equipment (ESD, EFT, Surge, RF Testing, etc.).

9. Key features

Safe Electrical Distribution

- Compatible with 100–250V~ AC networks, suitable for multiple countries.
- It supports a maximum power of 2500W, suitable for small appliances, lighting, computer devices and non-resistive electronic equipment.

USB-A and USB-C ports

- 3 USB-A ports and 2 USB-C ports (depending on model configuration).
- Total output: 5V DC / 2.4A, with automatic current distribution according to the demand of the connected device.

Built-in Protection

This equipment incorporates the following protections verified by tests according to EN 623681, EN 608841 and EMC standards:

- Electrical Shock Protection (Reinforced Insulation, Class II)
- Fire protection (PC V0 enclosure, PCB V1)
- Overheating protection
- Overload protection
- Short Circuit Protection
- Single-fault protection
- Mechanical protection (impact, drop, deformation)
- Passive thermal protection
- Electromagnetic Protection (EMC: ESD, EFT, Surge, RF)
- Hazardous Substance Protection (RoHS)
- Protection against accidental access to active parts (IP2X)

PROTECTION

The main switch automatically turns off when the current is too high.

 **Compact and Versatile Design**

- Lightweight and sturdy structure, ideal for desks, homes and offices.
- Finish designed to minimize heat and prevent clogging during use.

 **High Quality Construction**

- Internal components of high conductivity copper, which ensure electrical stability and durability.
- Industrial assembly following quality control procedures.

10. Technical Specifications

Parameter	Value	Comments
Input Voltage	100–250 V AC	Compatible with EU/LATAM standards
Frequency	50 Hz	Suitable for international power grids
Maximum Current	10 A	Certified internal protection
Maximum power	2500 W	Do not connect high-load resistive equipment
Protection	IP20	Indoor use only
USB total	5V DC / 2.4 A	Automatic Power Distribution *(Passive Distribution)*
Plug Type	Type F / Tipo C	According to European regulations (Schuko or compatible)
Body Material	**UL94 V-0**, V-1, HB	It meets safety standards (ABS, PC, PC+ABS, etc. with FR (Fire Retardant) grade and self-extinguishing in less than 10 seconds.
Operating Temperature	0 ℃ – 40 ℃	Do not use in humid or outdoor environments
Humidity	10 % – 80 %	Non-condensing
Certifications	CE / RoHS / FCC*	Model-dependent — indicates safety and compliance
Impact resistance	High	Meets drop test requirements according to EN 623681 and EN 608841
Internal driver	Solid or multi-strand copper	High electrical reliability
Conductivity	>99 %	Lower resistance, efficient power transmission
Resistance per meter	Very low	Minimizes thermal losses and brownouts
Thermal stability	High (2200–2500 W)	Maintains properties under continuous loads
Mechanical resistance	Elevated	Withstands repeated insertions/removals without deterioration

Product Components:
- Power strip TTPS08XD
- Instruction Manual
- Translucent plastic bag

11. Installation and first commissioning

1. Preflight

1.1. Make sure that the electrical installation complies with current regulations and that the socket has a **functional ground**.

1.2. Verify that the mains voltage is within the range supported by the device (**100–250V AC,** 50 Hz).

1.3. Verify that the combined power of all connected appliances **does not exceed 2500W**.
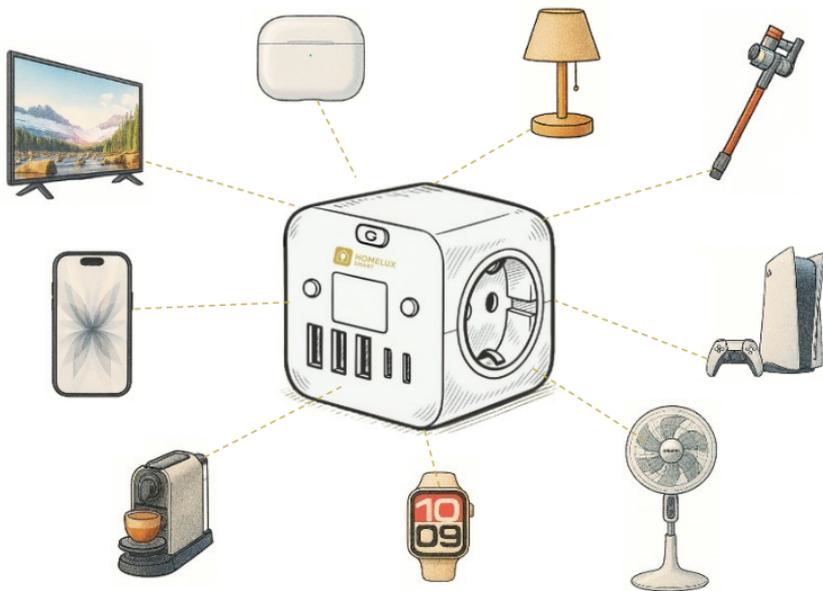
2. Recommended location

2.1. Install the device in a **dry**, well-ventilated, and accessible location.

2.2. Keep a minimum distance of **10 cm** from curtains, soft furniture or surfaces that may obstruct ventilation.

2.3. Do not place on floors, thick carpets, or padded surfaces that retain heat.

3.   Mains Connection

3.1.   Insert the power strip into a safe and stable power outlet.

3.2.   Wait 2 seconds to allow stabilization of the internal circuit before connecting devices.

4.   Connecting Devices

4.1.   Connect low-power appliances (chargers, lamps, audio, etc.) first.

4.2.   Then, connect appliances with higher consumption, always respecting the limit of **10A / 2500W**.

4.3.   If using USB ports, use certified cables to ensure stable charging.

5.   On/Off

5.1.   Press the **ON/OFF** button to turn full power on or off.

5.2.   Check the LED Status

6.   Final check

6.1.   Check that no wires are taut or bent.

6.2.   Check that all connected devices are working properly.

12.   Safety Warnings

- Use **only indoors and in dry locations**.
- **Do not expose the product to rain, moisture, or splashes.**
- Do not handle the power strip with wet hands.
- Do not introduce foreign objects into the shots.
- Do not cover the power strip while it is in use.
- Do not connect high-powered appliances (ovens, heaters, stoves, etc.).
- Do not use the power strip if it is bumped, deformed, or overheated.
- Keep away from children.

Safe Use and Recommendations

- Check the condition of the housing regularly.
- Disconnect the power strip before cleaning.
- Do not use chemicals or abrasives for cleaning.
- Do not place the power strip on soft surfaces (beds, sofas) that block ventilation.
- Do not exceed **2500W power**.

13.   Maintenance

- No internal maintenance required.
- Do not open or disassemble the power strip. It may cause a risk of electric shock and void the warranty.

14.   Troubleshooting

Problem	Possible cause	Solution
No power	Incorrect connection	Check the power outlet
USB ports not working	Overload or faulty cables	Change the cable or disconnect devices
Overheating	Excess power	Remove devices until load is reduced

15.   Environmental Disposal and Management (WEEE/WEEE)

This product is classified as Electrical and Electronic Equipment (EEE) and is subject to Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE).

To protect the environment and avoid health risks:

- Do not dispose of this appliance in household or conventional trash containers.
- It must be delivered to authorised selective collection points, such as recycling centres, municipal recycling points or affiliated distributors.
- The crossed-out container symbol indicates that the product must be managed in accordance with the specific recycling procedures established in the EU.

This product contains recoverable materials. Its correct management contributes to the conservation of natural resources and avoids polluting emissions.

16.   EU Declaration of Conformity (EC)

The **EU Declaration of Conformity (DoC)** for this product confirms that it complies with the essential requirements of the following directives:

- 2014/35/EU (LVD) – Electrical Safety
- 2014/30/EU (EMC) – Electromagnetic Compatibility
- 2011/65/EU + 2015/863 (RoHS) – Restriction of Hazardous Substances

The full DoC is available **upon request** from the importer or manufacturer, and is part of the **EC Technical Dossier**, maintained in accordance with the provisions of Regulation (EU) **2019/1020** on market surveillance.

17.   Manufacturer Information

Fabricante: KEAN Electrical Factory

No. 3 Junbu Road, Fuyang Village, Puning, China
The manufacturer is responsible for the design, production, and quality control of the device according to applicable international regulations.

18.   European Union Importer Information

According to Regulation (EU) 2019/1020, every product placed on the market in the European Union must clearly identify the **responsible economic operator within the European territory**.

Imported by: HOMELUX SMART
C/ Cuba 15, 08224 – Terrassa (Barcelona), Spain
contacto@homeluxsmart.com

The European importer guarantees:
- The preservation of the EC technical file
- The availability of DoC for authorities
- Correct product traceability
- CE marking compliance and regulatory compliance

19. Warranty

The product has a **standard warranty in accordance with the applicable legislation in the European Union**, relating to consumer goods.

The warranty does NOT cover:
- Damage caused by **misuse**, blows or improper handling
- Electrical surges, or improper installation
- Opening the device or internal modification
- Use in environmental conditions not specified in this manual

To manage any incident, please contact HOMELUX SMART