CBU-ASD is a wireless control unit for LED and halogen drivers with 0-10V, 1-10V or DALI dimming interface. CBU-ASD is available with either analog 0-10V (and 1-10V) or digital Standalone DALI control interface.

With Standalone DALI output, CBU-ASD acts both as a controller and as a power supply making it possible to connect directly to an LED driver with DALI interface without the need for an external DALI power supply. This so called Standalone DALI makes it possible to implement multi-channel lighting systems with adjustable color (RGB and RGBW) or color temperature (CCT), while keeping the wiring and number of components at their minimum.

CBU-ASD does not comply with IEC 60929 and therefore is not designed to be connected to an existing DALI network. The module can be used only in a closed system, i.e. as a part of a lighting system which is not connected to an external DALI network.

CBU-ASD is controlled wirelessly with Casambi smartphone and tablet applications using Bluetooth 4.0 protocol. The Casambi app can be downloaded free of charge from Apple App Store and Google Play Store.

Devices form automatically a secure wireless mesh network so that a large number of fixtures can be controlled from any point. No external gateway module is needed. CBU-ASD can be controlled also from a standard on/off wall switches.

Installation
Make sure that the mains voltage is switched off when making any connections. Use 0.75-1.5 mm² solid or stranded conductor electrical wires. Strip the wire 6-7 mm from the end. Insert the wires to the corresponding holes and tighten the connector screw. Make sure to connect the input and outputs correctly. Mains input connector is marked with letters L and N with an arrow pointing outwards. The low voltage output is marked with + and - symbols.

If you install CBU-ASD into a heat sensitive environment (i.e. inside a luminaire or in a ceiling outlet box above a luminaire), make sure that the ambient temperature does not exceed the specified maximum value.

Disposal Instructions
In line with EU Directive 2002/96/EC for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste.

Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.

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### Technical data

**Input**
- Voltage range: 220-240 VAC
- Frequency: 50 Hz
- Max. mains current: 0.6 A

**Mains Output**
- Output relay: SSR on phase line
- Voltage range: 220-240 VAC
- Frequency: 50 Hz

**0-10V Output**
- Voltage range: 0-10 VDC
- Maximum number of drivers connected: 1 pc

**DALI Output**
- Voltage range: 9-12 VDC
- Maximum number of drivers connected: 1 pc

**Radio transceiver**
- Operating frequencies: 2.4...2.483 Ghz
- Maximum output power: +6 dBm

**Operating conditions**
- Ambient temperature, ta: -20...+50°C
- Max. case temperature, tc: +70°C
- Storage temperature: -25...+75°C
- Max. relative humidity: 0...80%, non-cond.

**Connectors**
- Wire range, solid & stranded: 0.75-1.5 mm²
- Wire strip length: 6-7 mm
- Tightening torque: 0.6 Nm/A Kg·cm/2.6 Lb-In

**Mechanical data**
- Dimensions: 56.5 x 35.8 x 22.3 mm
- Weight: 48 g
- Degree of protection: IP20 (indoor use only)
- Protection class: Built-in Class II

**Radio frequency**
- Operating frequencies: 2.4...2.483 Ghz
- Maximum output power: +6 dBm

**Maximum number of drivers connected**
- 1 pc

**Voltage range**
- 0-10 VDC
- 9-12 VDC
- 220-240 VAC

**Frequency**
- 50 Hz

**Storage temperature**
- -25...+75°C

**Max. case temperature, tc**
- +70°C

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### CBU-ASD User Guide v2.0 ENG

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**CBU-ASD**

**Lighting control for the Modern World**

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