

8-Channel DMX Master

casDMX

Product Description

The casDMX seamlessly connects DMX lighting systems to the Casambi ecosystem, enabling wireless control of DMX-enabled fixtures through Casambi's Bluetooth mesh network. Supporting up to eight control channels, it provides a simple and scalable solution for integrating color-changing, tunable white, and dynamic lighting applications without complex control infrastructure.

Technical Data

Additional Input / Output: Sensor input

Control Protocol: DMX

Input Voltage Range: 12-24 VDC, Class 2

Load Capacity / Voltage: 1 DMX-512 universe (8 channels/slots)

Max Output Current: max. 100 mA

Relay Output Rating: 12-24 VDC, max. 100 mA

Radio Tranceiver

BLE Frequency: 2.401-2.483 GHz

Casambi Tested BLE Range: in excess of 200 ft (open air)

Install Notes: Connect a 12–24 VDC Class 2 power supply and wire DMX+, DMX-, and ground according to the fixture requirements. Output profiles are configurable through the Casambi app. Do not install in metal enclosures, as they may reduce wireless performance. Use only a Class 2 power supply rated 100 VA maximum and install in accordance with applicable electrical codes.



Mechanical Data

Ambient Temperature: -13...+113°F (-25...+45°C)

Dimension: 2.2 X 1.2 X 0.7 inch (72.6 X 30.0 X 18.0 mm)

Environmental Rating: Indoor use only

Humidity: 0...80%, non-cond.

Max Case Temperature: +167°F (+75°C)

Storage Temperature: -13...+167°F (-25...+75°C)

Weight: 0.8 OZ (23 g)

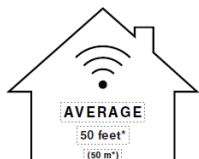
Wire Gauge Terminal Block (Min/Max): 0.5-1.5 mm / 14-22 AWG

Wire Range Full Spec: Wire range, solid & stranded: 0.5-1.5 mm / 14-22 AWG • Wire strip length: .25" (6-7 mm) • Tightening force: 0.4 Nm / 2.6 Lb-in

Wire Type: Solid & stranded

Range

Average 50ft distance



*The wireless range of a Casambi unit is dependent on several factors; how it has been integrated into a luminaire, where it has been installed; taking into consideration surrounding obstacles such as walls and other building materials that may block signals. [Learn More](#)

Certifications

ETL Listed (Intertek) • Conforms to UL STD 916 • Certified to CSA STD C22.2#205 • FCC Part 15 • IC: 22496-CBM002A

Warning!

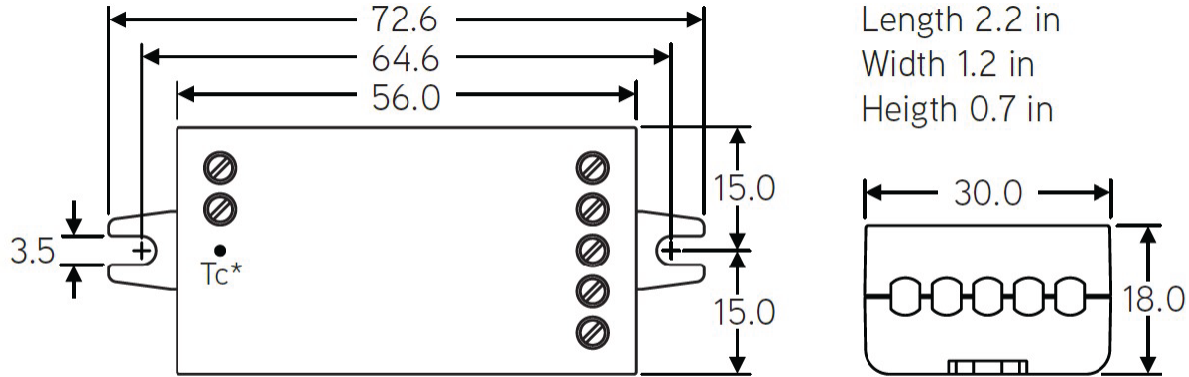


Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections. Disconnect the mains power supply and verify its absence prior to installation.

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Physical Dimensions



Dimensions are in mm.

* Tc point is on bottom side

Wiring Diagrams



* The relay must be protected against inductive over voltage spikes, i.e. it must have a flyback diode. Do not connect a typical PCB relay without the diode.

Scan the QR code to access the available spec sheets, wiring diagrams, and additional resources for this product.