SPECTODA

Spectoda is a new communication protocol for wireless control of lighting products and installations.

Spectoda combines hardware in the form of microcontrollers with wireless connectivity and custom firmware with the development of software solutions to personalize the behavior of the lights, including sensor responses and synchronization with music. The system is decentralised, which means independence from the streaming device and savings on infrastructure costs. This technology has a wide range of applications, from cultural (lighting props, costumes, stage lighting) to industrial and commercial spaces.

Unique selling points:

- Thanks to the decentralised network, control is not dependent on a central computer.
- The wireless system allows all lighting elements to be controlled and synchronised remotely.
- The light effect is generated inside the device to create smoother animations.
- Device controllers can be built directly into the customer’s product.

Product

Wireless light control system

Technology readiness

Development

Proof of concept

▶ Prototype

First implementation

Extensive implementation

1/2022

B2B

spectoda.com