

ST7DALI-EVAL evaluation kit

Data brief

Features

- Master board with:
 - preprogrammed ST72334x
 - power supply
 - serial port for host PC connection
- 2 slave boards with:
 - preprogrammed ST7DALI microcontrollers implementing the DALI communication interface
 - 1 to 10 V output (standard dimmable ballast input)
 - 12 V power supply connector
- Software CD-ROM for installation of the lighting control interface software

Description

The ST7DALI-EVAL evaluation kit provides a complete evaluation and demonstration platform for the on-chip lighting control features of the ST7DALI device.

The ST7DALI devices integrate the DALI Communication Module (DCM) for serial communication with controllable electronic ballasts, which provide the required starting voltage and operating current for fluorescent, mercury and other electric-discharge lamps.

The DCM uses IEC standard DALI (Digital Addressable Lighting Interface) communications (based on the bi-phase Manchester asynchronous serial data format).

To help developers implement the ST7DALI to control lighting networks, the ST7DALI-EVAL provides a complete software/hardware application for networking up to 64 ST7DALI-based lighting control slave boards and testing the various DALI lighting control commands from an easy-to-use, PC-based software interface.



When developers are ready to create their own applications, the kit serves as a reference design for a DALI gateway topology.

Table 1. Device summary

Order code	Reference
ST7DALI-EVAL	ST7DALI evaluation kit

Revision history

Table 2. Document revision history

Date	Revision	Changes
22-Nov-2010	1	Initial release.

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