

BLUETOOTH DALI 0-10V

*BLUETOOTH INTERFACE TO
DALI AND 0-10V (1-10V)

*DALI INTERFACE TO 0-10V

0-10V MAX SINK CURRENT: 50MA

This module enable bluetooth 2.0 Supported device such as desktop, Portable and pocket PC, intelligent Mobile phone(Wince, Android, Iphone etc.) connected to DALI and 0-10V network in 10 meters distance wirelessly. People can easy to address the DALI ballasts, set the parameters of DALI ballasts, control DALI lightings and 0-10v lightings through this module.



SIZE: D 80mm x H 30 mm

The 0-10V function will take one of DALI address. It can be addressed , parameters set ,inquired and controled similar to a DALI ballast.

When connected to DALI network, the 0-10v function can be controlled by commands from both bluetooth and DALI line (from other controller).

When not connected to DALI network, the 0-10v dimming function is enabled by bluetooth control only when setting parameter **DALI line power failure level to 255**.

DALI function work in two mode:

1. **Slave mode** in default, it will listen commands from DALI line. Dim commands will effect voltage level on 0-10V line,and inquire commands will reply to DALI line like a common DALI ballast.
2. **Master mode** , when received message from bluetooth it will turn to master mode, delivery DALI control commands to DALI line and listen reply from DALI line and return to bluetooth. It will turn back to slave mode automatically after one second not received new commands from bluetooth.

Power supply please use high quality well isolated and low wrinkle DC 15V or 16V transformer.

0-10V line is conducted with power supply.

DALI line is isolated to power supply in default. But if use the power supply of this module as power source of DALI line, it will conducted.

DALI line can be powered by power supply of this module with max current of 150ma by following steps:

1. open bottom plastic cover.
2. solder conducted wires between two pairs of pads in parallel at the following location of PCB.



(connect between 1,2 and connect between 3,4 as in photo to power DALI line from input DC source)

Note: one DALI line can only have one power source. Directly connect transformer to DALI line is absolutely not allowed.

LED light meaning:

Red: DALI line communication status

Green: bluetooth communication status

DALI control software download:

WinXP edition: <http://www.samluo.com/download/dali.zip>