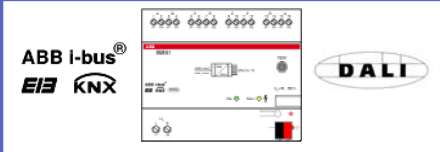


# DALI-Gateway DG/S 8.1





- Modular DIN-Dail Device (MDRC)
- 6 Modules, ABB i-bus<sup>®</sup> EIB / KNX
- 8 Channels (DALI-Outputs)
- Max. 128 DALI-Devices, 16 per channel
- 230 V AC/DC operating voltage
- Integrated DALI-power supply
- Channel-Test, without EIB / KNX
- LED shows DALI-Fault
- LED indicates power ON

### Properties

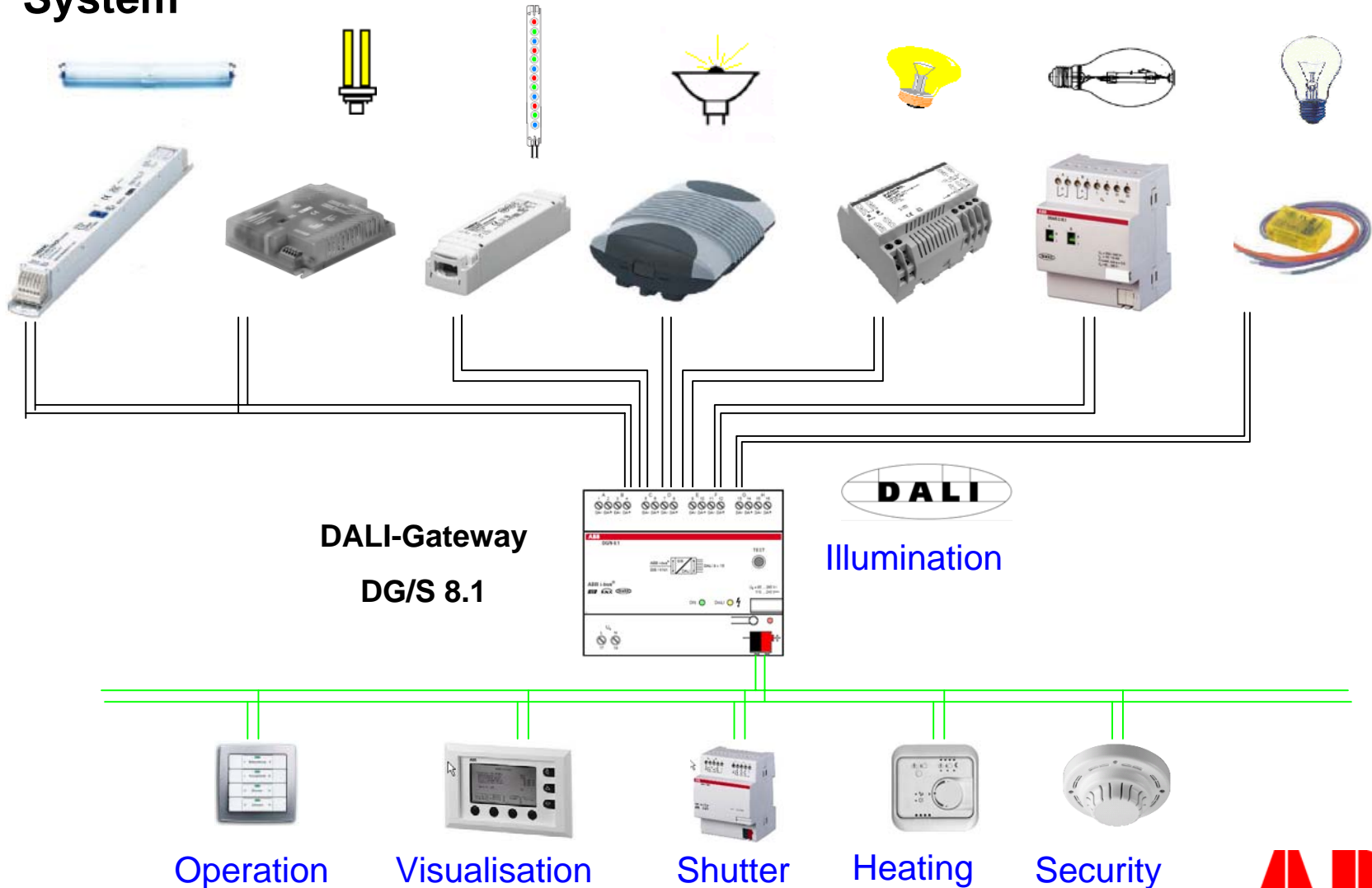
- No DALI-Addressing or commissioning
- Up to 16 DALI Devices on each channel controlled together
- 16 Scenes can be controlled via EIB / KNX
- Central dimming with constant brightness difference  
(Brightness of the scene members keep constant difference)
- Fix the burn in time of lamps
- Separate Channel information of ballast and Lampe-Faults
- No new DALI-Addressing if changing a ballast
- Parameterising via ETS
- DALI-Function acc. IEC 60929
- EIB / KNX function acc. EN 50090



# EIB DALI-Gateway, 8fold

DG/S 8.1

## System



## Function

- Per channel – Normal / *Dynamic* Mode
  - Switch ON / OFF, Dimming, set Brightness
  - Setting min. / max. Brightness value, Dimming speed
  - Detect Fault Ballast and Lamp-fault
- Per channel – *Normal* / Dynamic Mode
  - Dynamic Brightness, for example staircase lighting function
  - Setting Start-, Constant- and Stop-Brightness
- Central function: All 8 channels control **together**
  - Switch ON / OFF, Dimming, set Brightness
  - Setting central Dimming speed

## Function

- **16 Light Scenes**
  - Scenes adjustable via ETS or communication object
  - Protection scenes overwrite during download
  - Light scenes are combinable individual with 8 channels
  - Channels could be deceived for a scene
  - Definition of a period where all lights reach the end value brightness at the same time
- **Scenes are dimmable up and down with central operation, relative differences of brightness kept constant**

## Function

- **Status messages** (if status changes or read request)
  - ON / OFF - Status (per channel)
  - Brightness - Value (per channel)
  - Ballast - Fault (per channel)
  - Lamps - Fault (per channel)
  - DALI - Fault (per channel)
  - 230 V operation voltage-fault
  - Supervision signal cyclically sending or receiving for checking EIB / KNX communication
  - Confirmation

## Application

- Axle Rooms (up to 4 not regard able lighting groups)
  - Burros, classrooms
  - Hotel rooms
  - Hall of residence for care people, sick-rooms, ...
- Multiple Purpose Rooms (Individual lighting scenes, regard able)
  - Exhibition halls, Lecture halls
  - Exhibition, museum
  - Sport arena ...
- Stores and Public utilities (monitor many Lamps or lighting devices)
  - Storehouse
  - Train station
  - Airport ...





**ABB**