New: DALI Gateways
Launch Presentation
What is DALI?

DALI stands for **Digital Addressable Lighting Interface** and is a protocol set out in the technical standard IEC 62386.

Controllable lighting systems are the key for energy saving in building lighting installations – with the additional benefit of increased comfort and safety. DALI was developed as an international industry standard for intelligent and easy management of lighting equipment.

The ABB DALI Gateways are used to interface between DALI (Digital Addressable Lighting Interface) and KNX installations.
KNX DALI Gateways

Overview

What is a DALI Gateway?
The ABB DALI Gateways are used to interface between DALI (Digital Addressable Lighting Interface) and KNX installations. Two new Gateways will be available End of March 2017:

- DG/ S 164.1 DALI-Gateway (1fold)
- DG/ S 2.64.1.1 DALI Gateway (2fold).

Both incorporate the DALI power supply.
Both Gateways are equipped with emergency lighting function, support the DALI standard EN 62386-202 that specifies DALI emergency lighting (self-contained).
DALI Gateways

Comparison

What is a DALI Gateway?
The ABB DALI Gateways are used to interface between DALI (Digital Addressable Lighting Interface) and KNX installations. Two new Gateways will be available End of April/Mai 2017:

- DG/ S 1.64.1 DALI-Gateway (1fold) and
- DG/ S 2.64.1.1 DALI Gateway (2fold).

Both incorporate the DALI power supply. Both Gateways are equipped with emergency lighting function, support the DALI standard EN 62386-202 that specifies DALI emergency lighting (self-contained).

DG/ S 1.64.1.1 DALI-Gateway (1fold)

Flexibility by controlling light individually per device or in groups
- can install up to 64 DALI devices both via 16 flexible DALI
- and KNX lighting groups each with one or more DALI participants
- Control and Monitoring via KNX, Control and status feedback can also be carried out via Broadcast. 16 independent Lighting scenes are available.

DALI-Gateway DG/ S 2.64.1.1

Maximum flexibility combined with highest amount of DALI participants and groups, to meet all customer needs
- can install up to 2 x 64 DALI devices both via 2 x 16 flexible DALI and KNX lighting groups each with one or more DALI participants.
- Control and Monitoring via KNX, Control and status feedback can also be carried out via Broadcast. 2 x 16 independent Lighting scenes are available.
**KNX DALI Gateway Basic**

Existing portfolio

- **Gateway**: Broadcast
  - DG/ S 8.1

- **Light controller**: Group control
  - DLR/ S 1.16.1 & DLR/ A 4.0.1.1

- **Gateway**: Group control
  - DG/ S1.16.1 & DGN/ S1.16.1

- **Gateway**: Single control
  - DG/ S 1.1
NEW KNX DALI Gateways

Functionalities of three devices into one device

- Single Control
- Group Control
- Emergency Converter

All functionalities one device:
- Single Control
- Group Control
- Emergency Converter

Basic 1fold DG/ S 164.1.1

Function duplicated

Basic 2fold DG/ S 2.64.1.1
New: KNX DALI Gateway DG/ S 1.64.1.1 (1fold)

Applications

**Controlling light individually per device or in groups**

Perfect solution for all applications:
- 1 DALI output for up to 64 DALI devices
  - 16 DALI Group
  - 64 single DALI
  - 64 Emergency Converter
    (self contained emergency devices acc. EN 62386-202)
- 16 Lighting scenes
- Flexible combination in one DALI output
- Single- / Group - control and -monitoring via KNX
- Broadcast control possible

**Simplified Planning & flexibility - One device for all**
Perfect solution for all applications:

- 2x DALI output with complete and equivalent function
  - 2x 16 flexible DALI group control
  - 2x 64 flexible DALI single control
  - 2x 64 Self contained emergency lighting
    (acc. DALI standard EN 62386-202 Type 1)
  - 2x 16 lighting scenes
- Flexible combination in two DALI outputs
- Single- / Group control and monitoring via KNX
- Additional Broadcast control

**Maximum Flexibility & planning - Two DALI channels**
## ABB KNX DALI-Gateways

### Product Life Cycle

<table>
<thead>
<tr>
<th></th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NEW</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td><strong>NEW</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Discontinued</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>C</td>
<td>C</td>
<td>C</td>
<td>L</td>
<td>L</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Discontinued</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>C</td>
<td>C</td>
<td>C</td>
<td>L</td>
<td>L</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Discontinued</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>C</td>
<td>C</td>
<td>C</td>
<td>L</td>
<td>L</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Unchanged</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Unchanged</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Unchanged</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Unchanged</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>