

Control Panels (16xxx)

The 16xxx Series is a range of DALI-compatible button panels that allow control of the lighting system.

The buttons have LEDs indicating the selected scene. Each module is fitted with an infrared receiver that gives the option of remote operation using DIGIDIM hand-held remote control.

The 16xxx control panels are fully programmable in Helvar's Designer or Toolbox software.

Key Features

- Range of switch combinations, including customisable versions
- LED brightness programmable
- DIGIDIM/DALI
- Suited for UK back box only

Fascia Options

- 16xAB: Antique bronze
- 16xBN: Black nickel
- 16xMS: Mirrored stainless
- 16xPB: Polished brass
- 16xPN: Polished nickel
- 16xSS: Stainless steel
- 16xWH: Painted white

Customisable Versions

Both the button layout of the panels and the images or labels that are printed on each button can be customised:

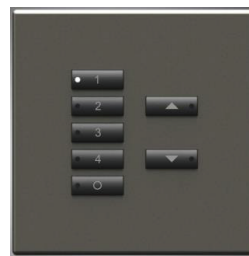
- Any button layout can be specified to a maximum of two columns of five buttons.
- The image or labels printed on the buttons can be chosen from the gallery shown on the next page.
- Other images or labels to meet individual tastes or themes can be tailored upon request.



161xx: On / Off



164xx: 4 Scenes + Off



165xx: 4 Scenes + Off
+ Up / Down



166xx: 7 Scenes + Off
+ Up / Down



169xx: 9 Scenes + Off

Gallery of Button Images and Labels

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| 5% | 30% | 55% | 80% | Min | All On | | | | |
| 10% | 35% | 60% | 85% | Max | All Off | | | | |
| 15% | 40% | 65% | 90% | Dim | On | | | | |
| 20% | 45% | 70% | 95% | Full | Off | | | | |
| 25% | 50% | 75% | 100% | | | | | | |
| Lights | Open | Raise | House | Lounge | Bedroom | | | | |
| Blinds | Close | Lower | Hall | Living | Bar | | | | |
| Curtains | Up | Screen | Entrance | Dining | Breakfast | | | | |
| Nets | Down | Garage | Reception | Landing | Kitchen | | | | |
| Utility | Stairs | | Master | Bathroom | Ensuite | | | | |
| Library | Outside | Balcony | Uplights | Plinth | Day | | | | |
| Drawing | Canopy | Terrace | Downlights | Warm | Twilight | | | | |
| Studio | Garden | Pool | Reading | Cool | Night | | | | |
| Gym | Patio | Table | Counter | | Midnight | | | | |
| Games | Porch | | | | | | | | |

Technical Data

Connections

DALI: 2-pole connector block, rising clamp terminals, captive screw
 Wire section: 0.5 mm² – 2.5 mm²
 Recommended: 1 mm² – 1.5 mm²
 Max. length: 300 m @ 1.5 mm²

Cable rating: All cables must be mains rated.

Power

DALI supply input: 13 V to 22.5 V

DALI consumption: 10 mA

Operation

IR frequency: 36 kHz

Mechanical data

Dimensions: 86 mm × 86 mm × 25 mm

Weight: 150 g

Material: Buttons: black plastic
 Fascia: metal

Mounting: Mount to back box

IP code: IP30

Operating conditions

Ambient temperature: 0 °C to +40 °C

Relative humidity: Max. 90 %, noncondensing

Storage temperature: -10 °C to +70 °C

Conformity and standards

EMC emission: EN 55015

EMC immunity: EN 61547

Safety: EN 61347-2-11

Environment: Complies with WEEE and RoHS directives.

DALI: EN 62386

Software compatibility

Designer: 4.2.18 or higher

Toolbox: 2.3.3 or higher

Dimensions (mm)

