

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:

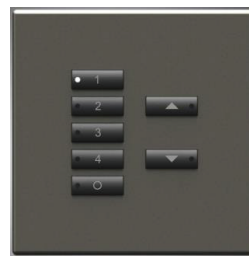
- Any button layout can be specified to a maximum of two columns of five buttons.
- The image or labels printed on the buttons can be chosen from the gallery shown on the next page.
- Other images or labels to meet individual tastes or themes can be tailored upon request.



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

	●								
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 size: 0.5 mm² – 2.5 mm²
 Recommended: 1.0 mm² – 1.5mm²
 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 61000-6-3

EMC immunity: EN 61547

Safety: EN 60669-1

Environment: Complies with WEEE and RoHS directives

DALI: EN 62386

Configuration software

Designer version: 4.2.18 or higher

Toolbox version: 2.3.3 or higher

Dimensions (mm)

