

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

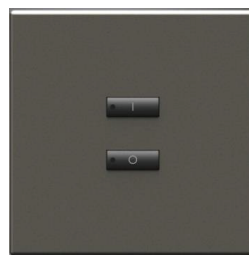
Fascia Options

- 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:

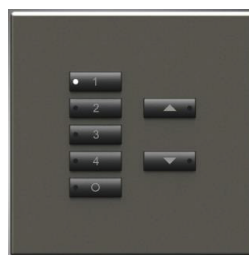
- Any button layout can be specified to a maximum of two columns of five buttons.
- The image or labels printed on the buttons can be chosen from the gallery shown on the next page.
- Other images or labels to meet individual tastes or themes can be tailored upon request.



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 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 61000-6-3

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)

