digidim

Control Panels (16xxx) 🔴

Helvar
freedom in lighting

CE

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
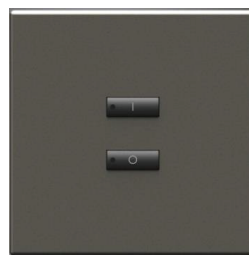- DIGIDIM/DALI
- Suited for UK back box only

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

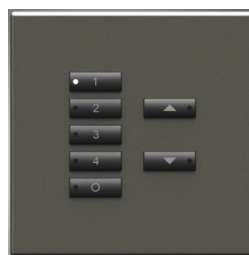Both the button layout of the panels and the images or labels that are printed on each button can be customised:

- 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

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)