Shelly *Gen3*

DALI Dimmer

SHELLY CONTROL OF DALI PART 207 GEAR

Shelly DALI Dimmer Gen3 is designed to provide brightness control of DALI lights. Whether for your home or your office space, the Shelly smart solutions allow for cost effective and highly flexible deployments of sensors and actuators.
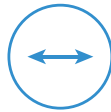
KNX SUPPORT

Shelly DALI Dimmer Gen3 integrates into KNX systems, offering a powerful and cost-effective solution for expanding your existing setup. By enabling wireless extension, it eliminates the need for wiring, reducing both installation time and costs. Whether you're upgrading a current system or adding new capabilities, the new Shelly device provides a flexible and efficient way to enhance your KNX network.

REMOTE CONTROL

Enjoy the flexibility of remote control and monitoring of your smart home, office space or store. Your cloud connected Shelly devices can be integrated into the Shelly Smart Home application. Control individual rooms, create smart scenes, share your devices with your family members.

Wi-Fi and Bluetooth connectivity
BLE gateway and Wi-Fi range extender

DALI single master application controller
Supports LED control gear (DALI Part 207 gear)

Bus power supply guaranteed 10 mA
up to 5 DALI control gear units

Min/Max brightness
Reframes the range of the dimming signal to get more precise brightness control

Smart schedules
Set custom schedules based on your daily agenda, or follow the sunrise/sunset and control your lighting accordingly.

Smart scenes
Set custom scenes by combining Shelly Dimmer 0/1–10V PM Gen3 with your other Shelly devices.
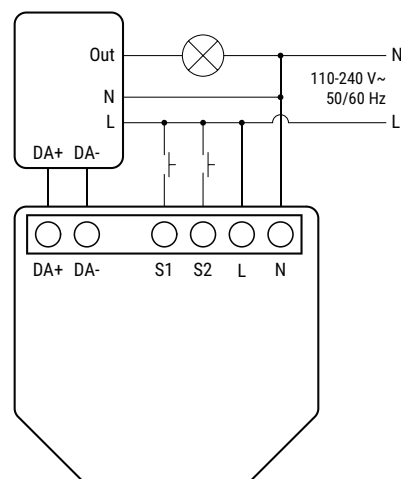
SHELLY DALI DIMMER GEN3 – PROFESSIONAL LIGHTS BRIGHTNESS CONTROL OF A HIGH-END DALI NETWORK

Control high-end DALI luminaires with **Shelly DALI Dimmer Gen3** and integrate them into your Shelly smart eco-system. Experience a predictable and repeatable brightness control of DALI lights with additional functions for easy maintenance. Excellent integration with external Shelly sensors or input controls enhance and automate the usability of your home or office space.

TECHNICAL SPECIFICATIONS

Power supply	110-240 V AC, 50/60 Hz
Bus voltage	16 V nominal
Bus power supply	Guaranteed 10 mA (up to 5 DALI control gear units)
Complies with EU standards	• RED 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C / -5°F to 105°F
Max RF power	< 20 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2400 - 2483.5 MHz
Operational range (depending on local conditions)	• Up to 30 m / 100 ft indoors • Up to 50 m / 160 ft outdoors
Dimensions (HxWxL)	42x37x17 mm / 1.65x1.46x0.66 in
Power consumption	< 2 W
CPU	ESP-Shelly-C38F
Flash	8 MB
Wire cross section range	0.2 to 2.5 mm² / 24 to 14 AWG

Legend
Device terminals
N: Neutral terminal
L: Live terminal (110-240 V~)
Out: DALI dimmer load output
S1, S2: Switch input terminals
D+: DALI interface positive terminal
D-: DALI interface negative terminal
Wires
N: Neutral wire
L: Live (110 - 240 V~) wire 50/60 Hz