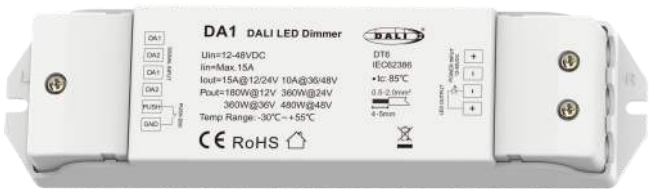


1 Channel Constant Voltage DALI LED Dimmer

- 1 channel constant voltage DALI LED Dimmer, output Max. 1.5A.
- DALI-2 certified, in accordance with DALI standard protocol IEC 62386-101, 102, 207 and in compliance with DALI products from other international incorporation.
- DALI address will be automatically assigned by DALI master, 1 DALI address.
- PWM digital dimming, standard DALI logarithmic dimming curve.
- Connect with external push switch to achieve on/off and dimming function.
- Over-heat / Over-load / Short circuit protection, recover automatically.



Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-48VDC	Input signal	DALI + Push Dim	EMC standard (EMC)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019
Input current	Max 15A	Dimming range	0-100%	Safety standard(LVD)	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Output voltage	12-48VDC	Dimming curve	Logarithmic	Certification	CE, EMC, LVD, DALI-2
Output current	1.5A@12/24V 10A@36/48V	PWM Frequency	2000Hz (default)	Environment	
Output power	180W@12V 360W@24V 360W@36V 480W@48V	Package		Operation temperature	Ta: -30°C ~ +55°C
Output type	Constant voltage	Size	L178x W50 x H38mm	Case temperature (Max.)	Tc: +85°C
		Gross weight	0.132kg		
		Warranty	5 years		

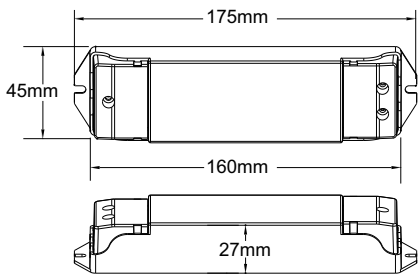
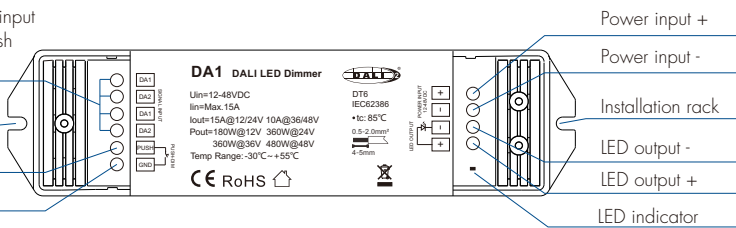
Mechanical Structures and Installations

Two groups of DALI signal input
DALI bus no need distinguish
plus-minus polarity

Installation rack

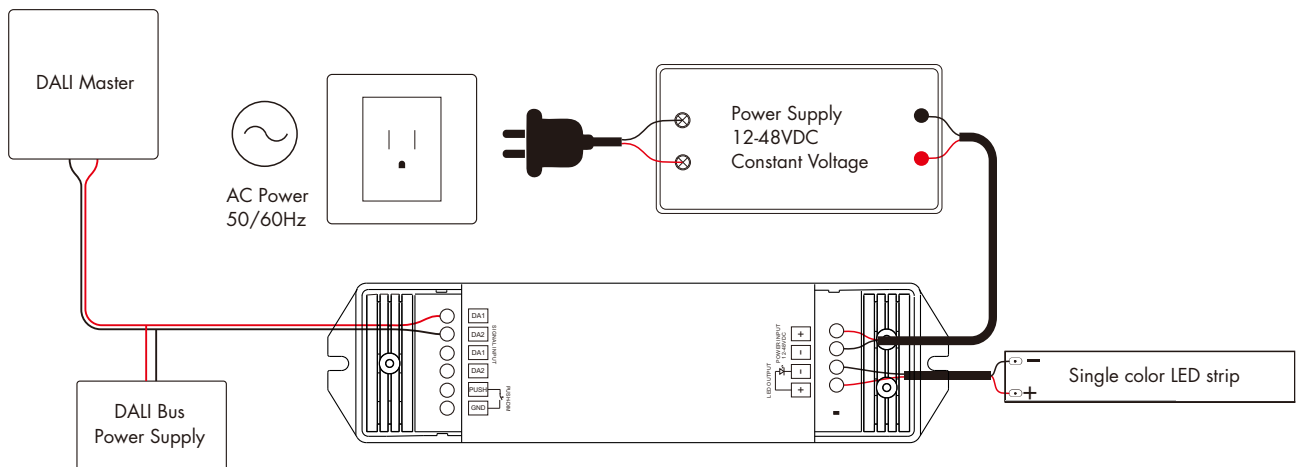
Push switch

Push switch common

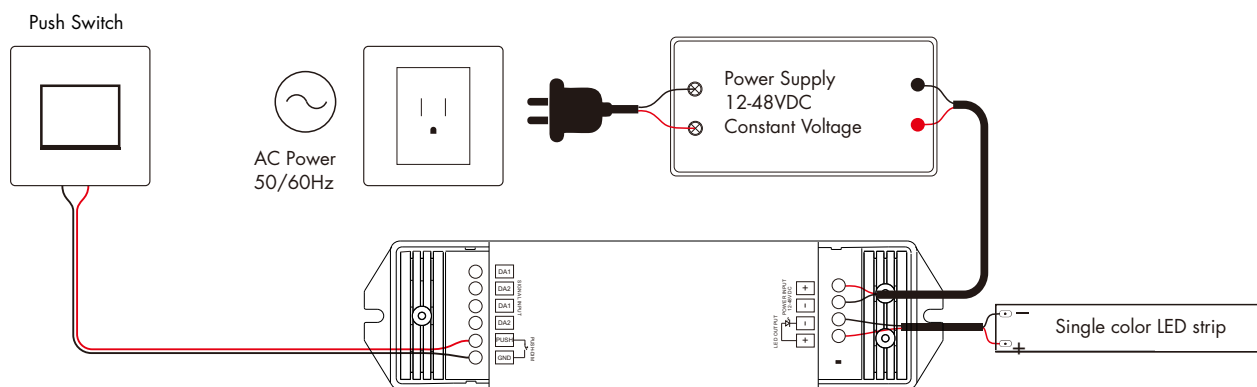


Wiring Diagram

- DA1 connect with DALI master



- DALI connect with push switch



DALI control

- **DALI Address Assigned by DALI Master**

This product is designed with 1 DALI address input and 1 channel output, DALI address is assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

- **DALI priority**

The DALI master or Push switch can be connected at the same time, which makes the product more user-friendly and more options to fit for some extra-ordinary demands.

If the controller be used with the Push-Dim interface prior to using the DALI interface, the DALI command will make it return DALI control automatically.

Push Dim Function

The provided Push-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches.

- **Short press:**

Turn on or off light.

- **Long press (1-6s):**

Press and hold to step-less dimming, With every other long press, the light level goes to the opposite direction.

- **Dimming memory:**

Light returns to the previous dimming level when switched off and on again, even at power failure.

- **Synchronization:**

If more than one controller are connected to the same push switch, do a long press for more than 10s, then the system is synchronized and all lights in the group dim up to 100%.

This means there is no need for any additional synchrony wire in larger installations.

We recommend the number of controllers connected to a push switch does not exceed 25 pieces,

The maximum length of the wires from push to controller should be no more than 20 meters.

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.