



SR-2309PRO RGB/W

720W (12-36V) - 480W (48V) 12-48V
Quicklink: Q6E3E

General

Colour White
Construction Plastic
Dimmable Yes

Operating Temperature -20°C +50°C

Dimensions

Height 28mm
Length 170mm
Width 53mm

Electrical

Amperage 5A
Maximum Wattage 720W (4 x 180W)
Voltage 12-48V DC

SR-2309PRO is a 6 in 1 professional multi-functional enabled DALI DT8 control gear which is compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2, IEC 62386-209:2011. It is DALI DT8 device with built-in DALI-2 interface. Multi addresses are enabled in this control gear, which means it integrates multi DALI DT8 devices in one control gear.

This control gear is designed with 4 channels PWM output, which enables to control tunable white LEDs, RGB LEDs, RGBW LEDs, RGB+tunable white LEDs depending on the device type configured. One control gear is enough to meet all requirements. This control gear is innovative to be compatible with universal DALI systems, whatever DALI DT8 device types a DALI system support, this control gear supported all DALI DT8 device types.

It can be set as single address type or multi-addresses type. The combination of device types can be configured with the buttons and display, and total 6 combinations available: Tc, RGBWAF, XY, 2*Tc, XY+W (DT6), DT6.

This controller delivers powerful multi-channel output, providing 4 independent channels rated at 60-180W each (maximum total output 720W) when operating at 12-36V, or 120W per channel (maximum total output 480W) at 48V, with a wide 12-48V DC input voltage range and output currents of 4x5A (12-36V) or 4x2.5A (48V), ensuring compatibility with a broad range of LED loads

Part No.	Input Voltage	Output Current	Output Power	Output Type	
SR-2309PRO	12 VDC	4x5A	4x60W	Constant Voltage	
	24 VDC	4x5A	4x120W		
	36 VDC	4x5A	4x180W		
	48 VDC	4x2.5A	4x120W		
Category	LED Strip Type	Mode (DT8)	DALI Addresses	What It Controls	Technical Details
RGB Control	RGB	DT8 RGB (XY)	1	RGB colours via XY	3-channel RGB using CH1-CH3



RGB Control	RGB	DT8 RGB (XY)	1	RGB colours via XY	(DT8 XY).
RGBW Control	RGBW	DT8 RGBW (RGBWAF)	1	RGB + White channel	4 ^{ch} channel RGBW using CH1-CH4 (DT8 RGBWAF).
RGB + White	RGBW	DT8 RGB (XY) + DT6 White	2	RGB + independent W dimming	Address 1 = XY, Address 2 = DT6 (consecutive).
CCT (Single Group)	CCT (WW+CW)	DT8 CCT (Tc)	1	CCT temperature + brightness	DT8 Tc warm/cool control on paired channels.
CCT (Two Groups)	Dual CCT	Dual DT8 CCT (2×Tc)	2	Two independent CCT groups	Appears as two Tc devices to the DALI master.
Single ^{ch} Colour	Single colour LED	DT6 Dimming	1	Brightness only	DT6 dimming; grouped output.
Channel Setting	RGB / RGBW	3A / 4A	–	Select 3 ^{ch} or 4 ^{ch}	Set via onboard buttons.

Key Features

- Built-in DALI-2 interface, DALI DT8 device
- Colour Management: DT8 drivers handle colour mixing directly, enabling seamless transitions and precise colour tuning without managing multiple addresses for each colour channel.
- 4 universal device types in 1: primary N, Tc, XY coordinate, RGBW, can be set by the buttons
- DALI DT8 device to control RGBW outputs or tunable white outputs via a single DALI address
- Only 1 address required to control 4 outputs separately under primary N mode
- 4 Channels constant voltage
- Control of four PWM outputs via DALI device type 8
- Colour control as defined in the DALI specification device type 8
- Colour type primary N, Tc, XY coordinate, RGBW can be set by manual set buttons



- Supports DT8 device commands, compatible with DALI masters that support DT8 commands
- Configuration via DALI master
- Numeric digital display for setting DALI address manually
- Compatible with universal AC push switch

