




Rayrun HCB10-20 DALI Bus Controller User Manual

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RAYGUN

DALI bus controller
Casambi Ready
AC 90-265V input
Built-in Dali power
Single color / CCT Full protection



Model No: HCB10/20 (-S)



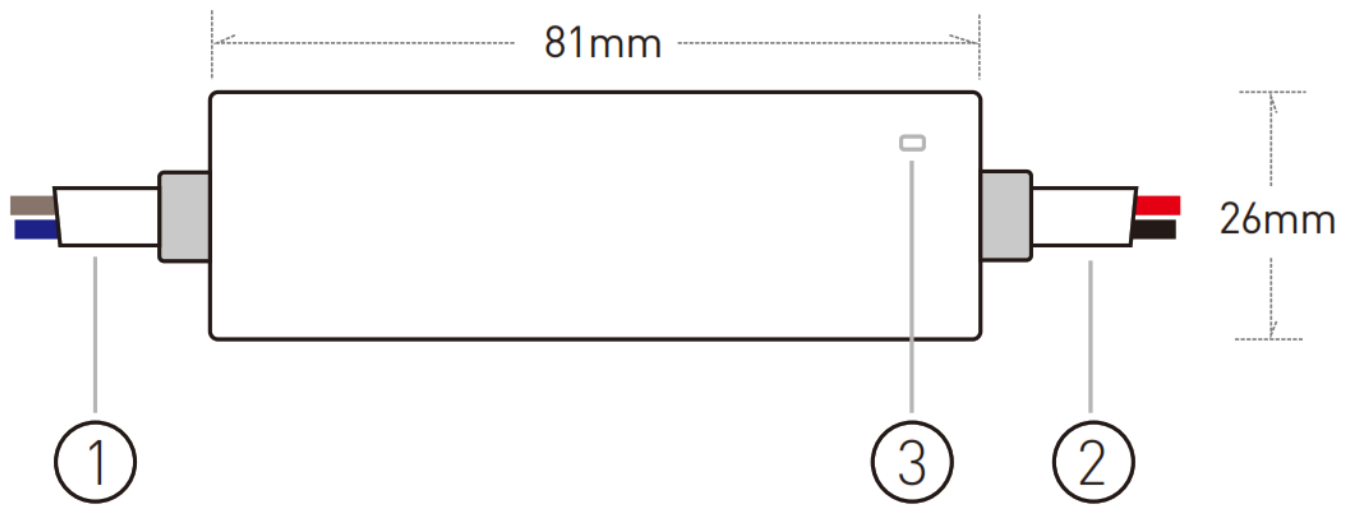
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Introduction

The HCB10/20 DALI bus controller is designed to work with the Casambi app, it receives the Casambi app command and converts it to Dali bus format, then drives the standard Dali bus controlled single color or CCT LED drivers and fixtures. The power input accepts AC 90-265V international power, and the controller has a built-in Dali power supply which can drive Dali LED driver directly without the need of an external Dali power supply. For waterproof, IP68 level is available on -S version and IP63 for standard version. The controller also has strong protection feature and a compact housing for easy and secure installation and ensure the reliability and durability of the application.

Dimension & Terminal



1. Power supply input

Connect to AC power supply. The controller accepts international power voltage from AC 90V to 265V. Please make sure the power is in this range and make sure the AC power is shutdown before connecting the cables. Please make sure the power cable is well insulated before power on. For waterproof application, extra waterproof treatment must be applied to the cable connections.

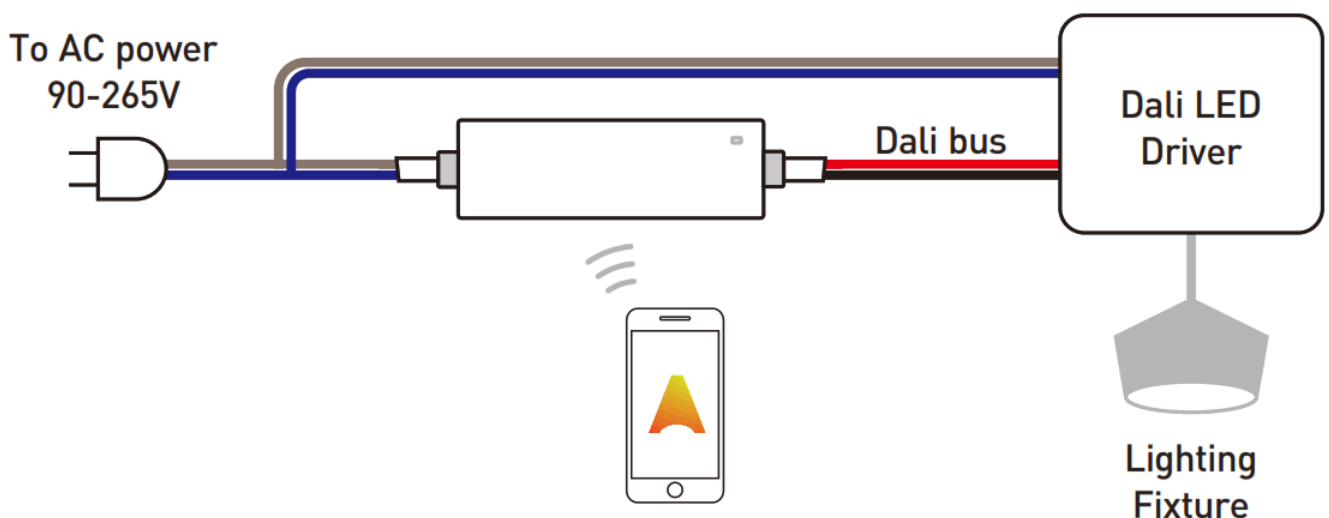
2. Dali bus output

Connect to Dali bus input of the driver or fixtures. The Dali output data format is in IEC 60929 format and all compatible drivers or fixtures connected to the Dali bus can response. Please be noted that this controller is not compatible to an existing Dali network and do not install it to an existing Dali network.

3. Work status indicator

This indicator is hidden in the housing and it will light up with green color when the controller is working properly.

4. Wiring diagram



5. Protection function

The controller has protection function against wrong wiring, it can protect from damage when the Dali output is accidentally connected to AC power. The controller will not be damaged but may generate excess heat in this case.

Please cut down the AC power and check the cable wiring if this occurs.

6. Waterproof

The -S version controller has IP-68 waterproof feature with glue injection finish. For overall waterproof

performance, the cables must be waterproof treated separately.

Wireless signal degrade : The wireless communication ability could degrade when using at wet environment, please be aware that the wireless control distance will be shortened in such case.

7. Change model & function

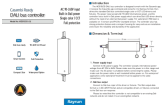
The controller can be configured to single color or CCT model by Casambi app. The model can only be changed on unpaired controller, please tap on the unpaired controller icon on the start page of Casambi app and select the

‘Change profile’ to switch to the desired model.

Specification

Working voltage	AC 90-265V
Output	Dali bus
Dali output voltage	DC 12-17V
Dali power output current	50mA
Standby power	<0.5W
Wireless connection	CASAMBI protocol, @ 2.4GHz ISM band
Working temperature (Ta)	-20°C~+55°C
Dimension	81x26x20mm

Documents / Resources

	Rayrun HCB10-20 DALI Bus Controller [pdf] User Manual HCB10-20 DALI Bus Controller, HCB10-20, DALI Bus Controller, Bus Controller, Controller
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