

# Quick Start Guide

Version 1.0  
Date 21/12/2023

**PIXIE**

## PIXIE Smart DALI Broadcast Controller

PC155DLB/R/BTAM

### 1. Foreword

IMPORTANT: IN THE INTEREST OF PRODUCT PERFORMANCE AND SAFETY PLEASE READ THESE GUIDE AND WARRANTY INSTRUCTIONS BEFORE INSTALLING THE PRODUCT.



SAL products are designed in accordance with all mandatory International and Australian Standards, which require installation in accordance with AS/NZS3000 by a qualified installer and regular cleaning and maintenance of the equipment. Products are sold in accordance with the following instructions and SAL standard terms and conditions of sale, available via [www.sal.net.au](http://www.sal.net.au).

Due to continued product and information updates, product data sourced from [sal.net.au](http://sal.net.au) shall not form part of any contract and or technical performance guarantee unless expressly confirmed in writing by SAL at the time of order. The product wireframe drawings in this document are intended for illustration purposes only and may differ from the final physical product. The installation instruction is subject to change without prior notice.

### 2. Product Introduction

The PIXIE Smart DALI Broadcast Controller is designed to control DALI drivers (control gear) on the same DALI bus line via broadcast commands, meaning that all DALI devices terminated to the PIXIE DALI controller will operate synchronously, without the need to worry about DALI addressing and programming. This control is inclusive of dimming and ON/OFF control\*.

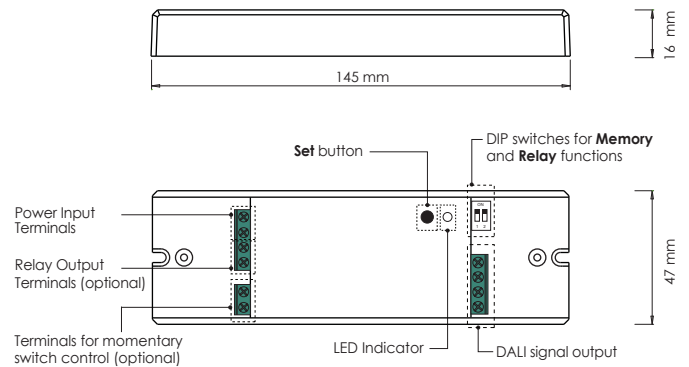
#### 2.1 Product Features

- Compatible with DALI-2 and DALI drivers (control gear)
- In-built relay as optional control method
- PUSH DIM function allows control with a momentary switch
- Memory function restores the last state (on/off/dim level) of the lights from a power outage
- One in-built set button, for easy testing and commissioning
- One LED indicator to reflect working status

#### 2.2 The package includes

- PIXIE Smart DALI Broadcast Controller \* 1
- Quick Start Guide \* 1

#### 2.3 Product illustration\*\*



### 3. Specifications

<b>Model NO.</b>	PC155DLB/R/BTAM	<b>Power Input</b>	220-240V~ 50Hz
<b>Relay rating</b>	<ul style="list-style-type: none"> <li>☀️ Resistive load Max. 5A</li> <li>⚡ LED Max. 2.5A</li> </ul>	<b>DALI Output</b>	50mA (Up to 25 DALI drivers)
<b>Operation Ambience Temperature (°C)</b>	-10 ~ 40	<b>IP Rating</b>	IP20
<b>Storage Ambience Temperature (°C)</b>	0 ~ 60	<b>Operation Humidity</b>	10% - 85% RH, NC
<b>Storage Humidity</b>	10% - 85% RH, NC	<b>Dimension (mm)</b>	145 x 47 x 16

\*The dimming performance (dimming curve, dimming depth, smoothness etc.) is subject to the DALI driver design, and this, is expected to vary among different drivers.

\*\*All drawings shown are for illustration purpose only, actual product may vary due to product enhancement.

### 4. Installation and Wiring

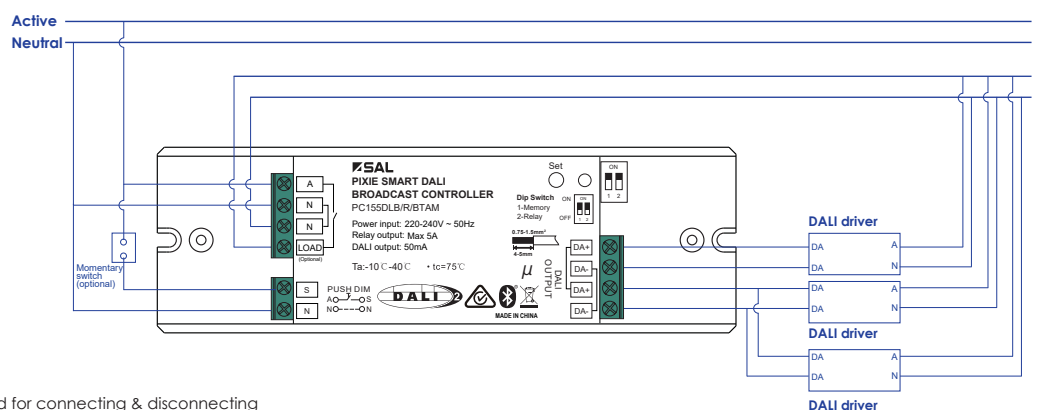
#### 4.1 Preparation

- Set the DIP switches at desired position
- Make sure the loads are compatible (DALI certified control gear) and within the rating

#### 4.2 Installation (Licensed Electrician Only)

1. Disconnect power supply
2. Wire the product as per the wiring diagram on the right\*\*\*
3. Supply power to the circuit
4. Make sure the LED indicator is lit, then press the **Set** button to test the control, single press to turn ON/OFF, long press to change brightness

\*\*\* The relay output (LOAD terminal) is recommended for connecting & disconnecting power to the DALI drivers, for best control performance, even though it's optional.



Wiring diagram

## 5. Operation

### 5.1 Set button operation

**Single click:** Turn ON/OFF the lights.

**Double clicks:** Turn the lights to maximum brightness.

**Long press:** Increase/decrease the light brightness, release the button to stop.

**4 clicks:** The device enters pairing mode, the LED indicator quickly flashes in blue and white for 30 seconds. This is for pairing the device to a PIXIE secondary device, so the device can be controlled by an extra device, typically a physical button on the wall for convenient control.

**9 clicks:** Reset the PIXIE Smart DALI Broadcast Controller to factory default. The LED indicator flashes in blue and white for 3 seconds then stay at white.

### 5.2 The LED indicators

-The LED indicator is solid white colour when the device is new or factory reset, and is solid blue when the device is added into the App.

-The LED indicator stays at high brightness when the lights (loads) are ON, and is low brightness when the lights are OFF.

### 5.3 The DIP switches

**1-Memory:** When the DIP switch is on, it memorizes the light brightness status when a power outage occurs; when the DIP switch is flicked to off, the lights will always be OFF by default when power restores from an outage.

**2-Relay:** When the DIP switch is on, the in-built relay latches and unlatches corresponding to the operation of turning lights ON/OFF; when the DIP switch is flicked to off, the in-built relay does not respond to the operation of turning lights ON/OFF.

### 5.4 Momentary switch (namely bell press) operation

The operation of momentary switch is the same as the **Set Button**, providing an additional control option.

## 6. How to download App

Scan QR code or go to App store (IOS) or Google Play (Android) to download the free PIXIE or PIXIE PLUS app to your smart phone. IOS: Requires IOS 6.0 or later. Compatible with iPhone, iPad and iPod touch.

Android: Requires Android 4.4 or above, devices must support Bluetooth 4.0 or above.

Specifications above are for reference only and may vary without prior notice.



## 7. Warranty

In accordance with SAL's standard terms and conditions of sale, SAL warrant this product to be free from defects in materials and or workmanship for a period as stated below for goods not subject to incorrect installation, maintenance, operation, mishandling, environmental, unauthorised modifications or electrical operating conditions outside the nominated product specification as detailed in these installation instructions.

The benefits to you given by this warranty are in addition to other rights and remedies you have under law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

**Warranty term** – Residential usage (12) months, Commercial usage (12) months

### 7.1 How to make a claim?

**Step #1** – Within 30 days of the fault discovery, please contact the original place of the SAL product purchase during standard (local) business hours, with the following information (a) proof of purchase (b) description and quantity of the claimed fault (c) address of installation. (d) operating hours of the product.

**Step #2** – It is then the responsibility of the original place of product purchase to report the matter to SAL aftersales;

NSW   ACT	SAL National Pty Ltd, 40 Biloela Street Villawood NSW 2163	P # 02 9723 3099
QLD	SAL National Pty Ltd, 36 Whitelaw Place Richlands QLD 4077	P # 07 3879 5999
VICT   TAS   SA   NT	SAL National Pty Ltd, 46-48 Keys Road Moorabbin Victoria 3189	P # 03 9532 3168
WA	SAL National Pty Ltd, 29 Beringarra Av Malaga WA 6090	P # 08 9248 7458

**Step #3** - Upon review of your claim and if the product is required to be returned to SAL for technical evaluation, then at the owners expense the product must be returned to SAL as per the above nominated locations.

**Step #4** - Pending the evaluation, the claim will be validated resulting in the product being repaired or replaced with the same or best equivalent product at the discretion of SAL, or rejected if the product fault was found to be caused by conditions beyond the responsibility of SAL warranty obligations. Consideration of installation, product removal, return freight and or testing fees are not the responsibility of SAL.

## 8. Scan QR code to access the full product information

