

Quick Start Guide

Version 1.0
Date 23/10/2025

PIXIE

PIXIE Portal - Wireless

SPT321WS/BTAS/PK2

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.

Due to continued product and information updates, product data sourced from 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

PIXIE Portal - Wireless is an innovative directional signal bridge in PIXIE wireless smart home system. It significantly extends the wireless control distance in one direction, while still keep the controlled devices of the far end in the same PIXIE network, without the involvement of internet.

It is suitable for the application that a user needs to control a small quantity of PIXIE devices in a far secondary location of a property (e.g. a shed), from a primary location (e.g. the main house) where a larger amount of PIXIE devices are installed.

The PIXIE Portal - Wireless works in a pair of two, one is set to "Main" mode (working as main station), and installed at the primary location; the other is set to "Satellite" mode (working as satellite station), and installed at the far secondary location. Once set up, the two PIXIE Portals will bridge the communication across the two locations (much longer than normal PIXIE wireless communication distance), making the control possible and stable, as if the PIXIE devices in the two locations were just close-by.

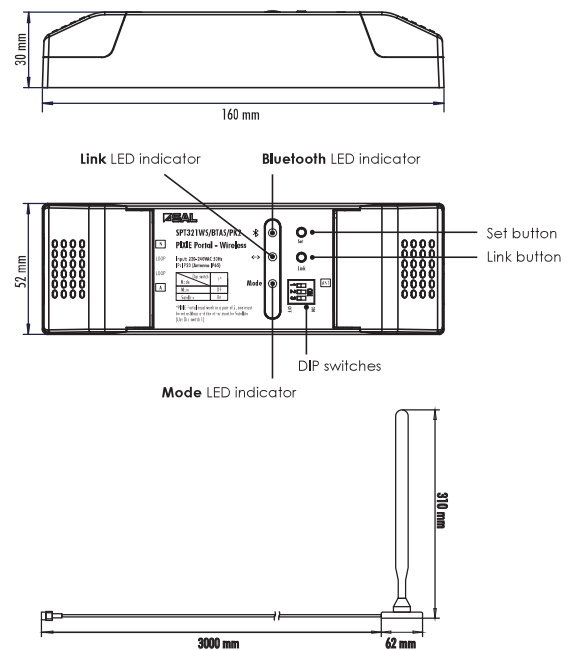
2.1 Product Features

- Bridge PIXIE wireless communication between two far apart locations in a property
- Maximum 120 meters between the main and satellite station in open space
- One satellite station supports up to 8 PIXIE devices (secondary location)
- Up to 4 pairs of PIXIE Portal - Wireless are allowed to use in a PIXIE HOME
- Fully local wireless communication enhancement, no need of internet or Wi-Fi
- Antenna IP65, suitable for mounting outdoor for best signal transmission
- Physical buttons to facilitate commissioning
- DIP switches for setting working modes and addresses
- In-built LED indicators for clear status indication

2.2 The package includes

- PIXIE Portal - Wireless * 2
- Antenna, cables and leads * 2
- 1.2 meter flex & plug * 2
- Quick Start Guide * 1

2.3 Product illustration*



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

3. Specifications

Product Application	Residential, Commercial	Input	220-240VAC 50Hz
Portal Communication Distance	Max. 120 meters in open space under good weather, can be influenced by installation environment and weather	Portal Qty Allowed in One PIXIE HOME	Max. 4 Pairs, each pair must be set at a different address from the others
Operation Ambience Temperature (°C)	0 ~ 40	Storage Ambience Temperature (°C)	0 ~ 60
Operation Humidity	10% - 85% RH, NC	Storage Humidity	10% - 85% RH, NC
Device Qty Supported by Portal	Max. 8 PIXIE Master devices at the satellite station area can be accessed from the main station area	IP Rating	PIXIE Portal body, IP20 Antenna, IP65

4. Installation and Wiring

4.1 Preparation

1. Add all the PIXIE Master devices at the primary and secondary location into the PIXIE or PIXIE PLUS App (highly recommended)
2. Make sure there are two PIXIE Portals ready for installation (a pair).
3. Set the DIP switch 1 for the two PIXIE Portals (Mode setting). Make sure one DIP switch 1 is set to **off**, meaning this PIXIE Portal is **Main** station; and the other must be set to **on**, meaning this PIXIE Portal is Satellite station.

Dip switch		1
Mode		
Main		off
Satellite		on

Dip switch			2	3
Address				
Address 1			off	off
Address 2			off	on
Address 3			on	off
Address 4			on	on

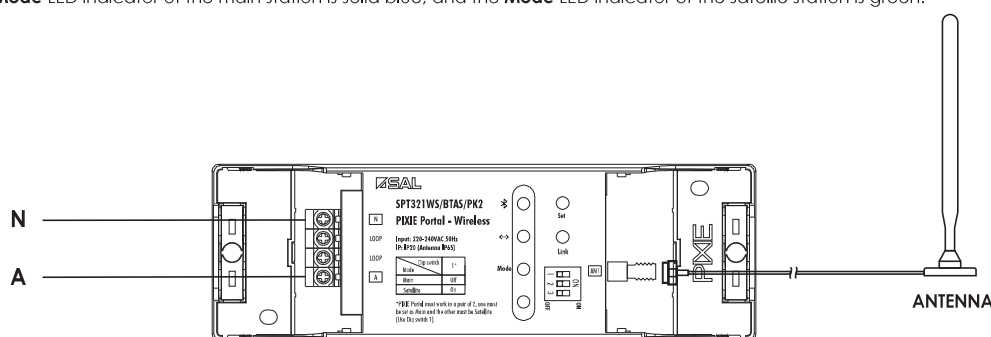
4. Set the DIP switch 2 and 3 for the two PIXIE Portals (Address setting). Make sure the address setting for the two PIXIE Portals are exactly the same, e.g. if one PIXIE Portal DIP switch 2 and 3 are both set to **off**, then the DIP switch 2 and 3 of the other PIXIE Portal must be set to **off** as well.

Please refer to the tables on the right for the detailed DIP switch function explanation.

DIP Switch Functions

4.2 Installation

1. Connect wires and antenna to the PIXIE Portals as per the wiring diagram below.
2. Supply power to the PIXIE Portals. Stand close to the PIXIE Portals.
3. Open the PIXIE or PIXIE PLUS App, navigate to **Settings -> Configuration -> PIXIE Portal -> Add Portal**
4. Follow the guides in the App to finalise the configuration and installation. If the primary and secondary locations are independent dwellings, it's highly recommended to mount the antennas on the exterior surface of the dwellings to have the best signal transmission outcome.
5. In a successful configuration and installation, the **Bluetooth** LED indicator should be solid blue, the **Link** LED indicator should be solid blue or occasional blinking blue. The **Mode** LED indicator of the main station is solid blue, and the **Mode** LED indicator of the satellite station is green.



Wiring diagram

5. Operation

5.1 Set Button

-Quickly 9 Clicks: Reset the PIXIE Portal to factory default. The top LED indicator (Bluetooth) will flash in blue and white for 3 seconds, then stay at white.

5.2 Link Button

-Double clicks: Trigger "Find me" mode on the paired PIXIE Portal (the Portal at the other end), the paired PIXIE Portal will start beeping to assist the user to find it.

-Single click: Exit "Find me" mode on the clicked PIXIE Portal, and stop beeping.

5.3 The LED indicators

Indicator	Indicator status	Status Explanation
	Solid white	The Portal is new or factory reset
	Solid Blue	The Portal was added into a PIXIE HOME (network)
	Off	The Portal is new or factory reset
	Solid red	The main and satellite stations fails to connect
	Blink in orange / solid orange	The main and satellite stations are trying to connect
	Solid blue	The main and satellite stations are connected properly
	Occasional blink in blue	The main and satellite stations are transmitting data
Mode	Solid blue	This is in main mode, working as main station
	Solid green	This is in satellite mode, working as satellite station

6. How to download App

Scan QR code or go to App store (IOS) or Google Play (Android) to download the free PIXIE 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

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

