



# PIXIE Smart Home Solution

Overview Document

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Author: SAL National Pty Ltd



PIXIE is a smart home solution designed for Australian homeowners to experience smart home technology without the expense of legacy home automation solutions.

PIXIE also **gives back control of the smarthome to homeowners** with simple and intuitive mobile Apps to make changes throughout their homes instantly without having to wait, pay or depend on a 'programmer' to make adjustments.

Homeowners can get started with a PIXIE smarthome for less than the cost of a smartphone.

PIXIE delivers on the smarthome promise of:

- Comfort
- Convenience
- Safety
- Security
- Savings ( Energy )

In the 5 years PIXIE has been available in Australia, our customers have delivered smart home systems to homeowners ranging from a single dimmer for a lounge room through to multi-million dollar, multistory homes with hundreds of devices.

SAL National, a 20+ year old company and Australia's largest lighting supplier to wholesale trade, owns the PIXIE products range and IP and is responsible for all hardware manufacturing, design, software and support.

Unlike some other brands that 'stick-a-local-brand-name' on a foreign product and call it their own, SAL National has 100% ownership of the entire PIXIE product range and software development, which is critical for local, expert support in Australia.

PIXIE has been designed for use in Australian homes and wiring practises, and supported by PIXIE Certified Installers and SAL National directly to wholesalers, electricians and end users.

Continued development of the PIXIE smart home solutions continues today with more than 25 products in the range currently, using market feedback and consumer demand to drive new product development specifically for Australian customers and applications.

## **PIXIE is best described in 3 words.**

Simple. Smart. Home.

## Simple

Simple does not mean basic or unsophisticated, it means simple to install, simple to setup and simple to change.

PIXIE controls lights - indoor and outdoor, extractor fans, pool pumps, blinds, garage doors, motorised gates and integrates with security systems and other 3rd party systems via low level dry contact I/O interfaces.

**The PIXIE 'Simple' definition includes: Simple Installation, No Hub Needed & Wall Plates**

### Installation:

The PIXIE range of products such as the smart dimmers, switches and timers are installed in the wall plates using existing electrical wiring.

This saves time for the electrician and allows the homeowners to experience the benefits of a smart home without rewiring their home.

Homeowners can start small with a few rooms, and expand their smart home experience throughout their home once comfortable or when they have more budget available, PIXIE is easy to add and expand to meet the homeowners needs.

### No Hub Needed:

Simple also means that no hub or internet is required for PIXIE to operate and be controlled.

There are 2 Apps and a single product range which operates with both Apps.

PIXIE hardware uses Bluetooth Mesh technology, creating its own secure network between all installed PIXIE devices in the home. Only homeowners who are authorised to control the home from the App have control, and of course this means neighbours and any unauthorised people cannot control.

If you're in and around your home's boundaries you will have **PIXIE App** control of your smarthome.

Optionally, if homeowners would like to be able to control or monitor their home, whilst away from home and/or they would like to introduce voice control, introduction of the PIXIE Gateway is a simple plug and play way to provide this capability in a few minutes.

This PIXIE Gateway is literally a 'bridge' between the Bluetooth Mesh in the home and the homeowner's WiFi network and ultimately the internet. The PIXIE gateway and **PIXIE Plus App** have no ongoing fees and currently provide voice assistant integration with:

- Google Home

- Amazon Echo ( Alexa)
- Apple SIRI
- Samsung Smartthings
- IFTTT
- Apple Watch

With the gateway installed the system automatically chooses which technology to use - Bluetooth or WiFi - depending on signal strength and location, and this selection occurs seamlessly in the background when homeowners are using their mobile Apps for control.

If WiFi fails in the home, or the internet 'goes down' then PIXIE simply utilises the Bluetooth mesh in the home to maintain control and operation.

### Wall plates, Wall Plates, Wall Plates:

Often overlooked is the simplicity of wall plates and the peace of mind and familiarity of having control from wall plates provides homeowners.

By having PIXIE Smart dimmers, switches and timers installed in the wall plate means that homeowners ALWAYS have direct control of the connected load - lights, fans, blinds etc. - from a wall plate and do not have to depend on mobile app control.

- **The PIXIE Smart Dimmers** control all brands of LED lighting, and traditional or legacy light sources such as tungsten and halogen also.
- **The PIXIE Smart Switches/Timers** control any switched load, either directly or via a contactor for loads that exceed the switch's load rating.

PIXIE fits in with your decor and design, for every room. PIXIE smart dimmers, switches and timer modules are a standard mechanism size for easy fitment in wall plates. With PIXIE you select the wall plate design that you love most, for individual room styling.

## Up next... Smart

**PIXIE**

# PIXIE Free Smart Home Design Service

Submit your project's floor plans online and receive your custom PIXIE smart home design, for free.

Simple. Smart. Home. PIXIE.

WORKS WITH **PIXIE**

works with Hey Google | works with alexa | Works with SmartThings | Works with IFTTT | Apple WATCH | Works with Siri Shortcuts | Bluetooth™

## What's delivered with the smart home design?



1 Marked-up floor plans



2 Every circuit and wall plate



3 Complete product list

Scan the relevant QR code below, complete the form on the web page and attach your project floor plans. In 48-72 hours your free PIXIE smart home design is delivered to your inbox. This is the easiest way to PIXIEFY your home and create the best version of a PIXIE smart home.



Electricians Scan



Homeowners Scan

## Smart

There are 4 core components that help to create a smart home from a functional perspective.

1. Schedules & Timers
2. Scenes or Moods
3. Integration to/from other systems
4. Voice Control

Combined these 4 functions deliver 90% of smart home capabilities that most people desire today.

*For context this relates to lighting, fans, blinds and curtains, gates and doors, and anything else that can be turned on and off electrically. This does not include distributed audio or AV capabilities or intercom / access at this time.*

### Schedules & Timers

Schedules and timers are a critical part of any smarthome and PIXIE delivers 24hours 7 day scheduling capability across all products.

Using simple schedules outside the home for safety, security and convenience operates entry, pathway and landscape lighting overnight automatically as a simple example.

Other useful schedules delivered by PIXIE smarthomes include:

1. Schedules inside the home can automatically control table and wall lamps from the PIXIE smart GPO's or Smartplugs, creating the perfect mood, night after night without any overhead lighting.
2. PIXIE can even create that lived in look if the homeowners are away and require this additional security function to deter would be thieves by automatically turning different lights on and off throughout the home in the evening.
3. One of our favourite energy savings schedules performs a 9am energy sweep at home - everyone is at work, kids are at school so why have the lights on, fans on and blinds open? Save energy with this simple Monday to Friday Energy sweep schedule.

**With PIXIE, homeowners can create new schedules and edit, enable and disable these schedules whenever they like without having to call anyone to make the changes for them.**

## Scenes and Moods

The PIXIE technology provides the ability to create groups and scenes, and then to recall these from a single press of a button on the wall, a voice command or via the mobile App to transform the home's mood instantly.

Homeowners experience the comfort of entering their home and with a single voice command "Hey SIRI, IILLUMINATE!" - having a pathway lit to their kitchen through their hallway for safe entry, alarm disabling and the welcoming comfort of home.

This same effect could be produced from a single button press on a wall switch mounted at the front door.

On the way out the door, double pressing the same switch performs a different function, this time an ALL OFF command, ensuring that all lights are off, blinds are closed and the outdoor security lighting is on.

Every PIXIE device has the ability to be a part of groups and scenes to deliver this smarthome experience.

## Integration to/from other Devices

PIXIE has the ability to be integrated to other systems and devices in the home and from other systems too.

This integration capability extends the smarthome sphere beyond just lighting, extractor /exhaust fans and blinds.

Integration with PIXIE can include:

- Automatic garage door openers
- Automated gates
- Security / access systems
- Sensor/ sensor lights
- Audio Visual systems

In this way a PIXIE smarthome extends the capability of other electrical and electronic devices in the home and provides homeowners a more integrated smart home experience.

*Imagine coming home late at night and with a simple voice command to SIRI, the garage door opens, the front porch lighting is activated and the inside entryway is lit to a low level for safe entry.*

PIXIE delivers this capability.

## Voice Control

Controlling a smart home with your voice is simple with a PIXIE smart home.

No matter the homeowners preferred mobile platform, iOS or Android - or voice assistant preference - Google, Apple, Amazon, Samsung or IFTTT - PIXIE provides whole home control using these platform ecosystems.

Once the PIXIE Gateway is installed, the homeowner can connect any of these services themselves at anytime in the future, and can change the voice commands used to issue commands simply and easily using both the **PIXIE Plus App** and the corresponding services' App.

There are no fees for integrated voice control of a PIXIE smarthome and all controlled devices including lights, fans, blinds and integrations.

## That's Simple and Smart covered ... Next ... Home



### PIXIE Online Help Centre and Knowledge Base

Hundreds of questions answered from real customers in the field using PIXIE everyday. This is the best place to start your search for help.

<https://bit.ly/pixiehelp>



### Facebook Technical Support Group

This online community for electricians using PIXIE daily is an ideal practical resource for other electricians to get the answers they need quickly.

<https://www.facebook.com/groups/pixietech>



### PIXIE 1800 TOLL Free Support

The PIXIE TOLL FREE support number is manned by experienced personnel Monday to Friday from 10am to 5pm. CALL: 1800 256 843



## Home

The final part of the PIXIE ecosystem is HOME.

Home is different for everyone and that's where PIXIE really shines.

### Start Small and Grow

Due to the simple installation method, a PIXIE smarthome can be started with a single dimmer in the lounge room for example.

This provides full dimming control of the lights from the wall plate, dimming from the PIXIE App via Bluetooth and automated scheduling as desired.

When the time comes to expand the system, adding more smart dimmers, switches, timers and LED strips for example, is as simple as having them installed by a qualified electrician, adding them to the App and creating your scenes and schedules.

### Scale

Using the PIXIE Gateways a PIXIE smarthome can grow to just about any size. The same capabilities can be accessed throughout the entire home and using the PIXIE Plus App homeowners can choose who can control what, whilst in the home and whilst not.

The PIXIE Plus App also provides homeowners the ability to control multiple homes in different locations from a single App.

Whether that's a holiday home or an AirBNB they rent out, the PIXIE Plus App eliminates the need to remember different passwords and logins providing the ultimate convenience in every home.

A simple home-swap function in the PIXIE Plus App, provides multiple home control in seconds from anywhere in the world for authorised users.

### Customise

With a wide range of products beyond the smart dimmers, switches and timers, there's not much that can't be done in a smart home with the PIXIE solution.

LED strip controllers, smart powerpoints and smart plugs, dimmers, switches, timers, remote controls, blind controllers and interface devices, the PIXIE range of over 20 smart home products create a complete wireless smart home solution for homeowners, simply.

## Additional Resources



[Download the PIXIE Brochure](#)



[Need more help? Download your 2022 Smart Home Checklist](#)

## Online Resources



Download complete PIXIE Product List

<https://bit.ly/PIXIElist>



SAL PIXIE Instagram

<https://www.instagram.com/salpixie/>



SAL PIXIE Facebook

<https://www.facebook.com/SALPixie>



SAL PIXIE Technical Support Group

<https://www.facebook.com/groups/pixietech>



### **PIXIE Certified Installers Training Course**

If you are an electrician this free Online Training Course is for you. Once completed its the best video resource for everything PIXIE. Register for free now: <https://bit.ly/pixie-certified>