



wondrwall®

INTELLIGENT LIVING

PROPERTY DEVELOPERS



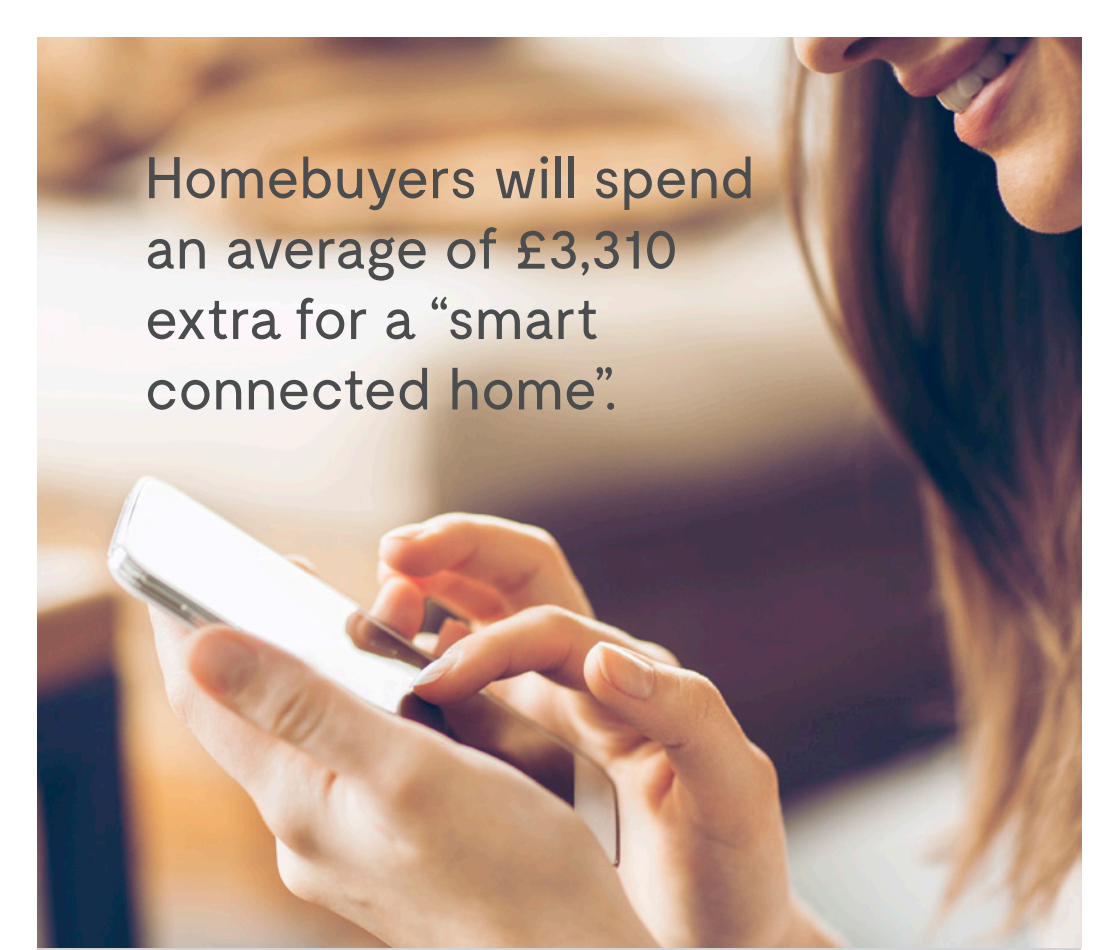
The global smart home market is forecast to grow at 14.5% annually between 2017 and 2022.



Smart home technology represents a huge new opportunity for house builders and residential property developers, and by integrating Wondrwall in your new build developments, you can be sure that you will stand out from the crowd and meet the needs of the next generation of homebuyers.

The global smart home market is forecast to grow at 14.5% annually between 2017 and 2022, while the market revenue is estimated to reach \$53.45 billion by 2022 according to Zion Market Research. Different studies, in different countries, show different rates of growth and market sizes. However, they all agree that the smart home market represents a significant revenue opportunity and will continue to grow rapidly over the coming years.

Today's home owners expect smart technology in their homes. 78% of global consumers have stated that the smart home is an extremely, very or fairly appealing concept. Clearly today's home buyers expect their new homes to include smart home technology.



## Homebuyers will spend an average of £3,310 extra for a “smart connected home”.

House buyers are willing to pay more for a smart or connected home with the younger generation, the first-time buyers, even more willing and enthusiastic. Coldwell Banker in the US found that 65% of home owners would pay \$1,500 or more, and 40% would pay at least \$3,000. In the UK, Barclays Mortgages found that home buyers would spend an average of £3,310 extra for a “smart connected home”.

The smart home market is here to stay and house builders and property developers that are not integrating the technology today, or have no plan to do so, are not just missing an opportunity but losing out to their competition.

Amanda Lamb, UK property expert, says: “In my years of dealing with the UK property market, I’ve seen plenty of trends come and go however, digital homes are really here to stay and this space is something I see really growing over the next three to five years. Whilst it will take time for it to be widely adopted by the general public, I see technology integrated in the home being a real incentive for homebuyers, so would encourage homeowners to start thinking about what they can do to future-proof their home”.





# Wondrwall gives the home a brain and the intelligence to control itself.



Smart homes are today defined as “a home equipped with lighting, heating, and electronic devices that can be controlled remotely by smartphone or computer”.

However, the majority of consumers, 60% in a recent survey, say they want smart devices that automate themselves, “devices doing it on their own”. They want their smart homes to use data, analytics and sensors to work on their own. If the devices are unable to automate themselves, voice-controlled settings and the ability to give instructions via a smart phone would be next best thing.

Wondrwall is an intelligent living system that makes your homes adapt to its occupants needs and desires – automatically controlling heating, lighting, security, safety, and music with voice control technology to override any adjustments at any time.

The Wondrwall home learns and works around its occupants, observing how they actually live, which rooms they spend the most time in and how they use heating and lighting. In doing so, Wondrwall seamlessly and intelligently supports and enhances their living environment without their input.



# The Heart of Wondrwall



The real power of Wondrwall lies in our light switch running its own operating system and housing 13 different sensors covering temperature, humidity, power, motion, luminosity and sound creating a sensory network of over 100 sensors throughout the home that monitor your habitational patterns, as well as your home's overall efficiency and performance. Amazon's push-to-talk Alexa platform offers added functionality with voice control.

Once installed, Wondrwall begins to build a detailed picture of exactly how you use your home. With a complex understanding of your habitation patterns, Wondrwall plots the optimal running of your home while making continual improvements. Using machine learning and predictive modelling to make intelligent decisions to control your home efficiently, save you money and to make your home more comfortable and safer.

With Wondrwall technology, your home gains the intelligence and insights about your living patterns and how your home functions it needs to control the heating, lighting, security and safety of your home exactly as you want them, without you having to tell it.





# Benefits for Property Developers

Adding Wondrwall to your homes is quick and easy and can help sell your homes more quickly, for a higher sales price, by adding functions that keep the homeowners safe, secure and comfortable as well as reducing energy consumption.

## **1 - Stand out from the crowd**

Wondrwall monitors living patterns and how the home performs and uses advanced machine learning and predictive modelling algorithms to learn your daily routines and automate the running of heating, lighting and other functions of the home.

## **2 - Future-proof new builds**

The home of the future today. Convert your standard homes into the intelligent homes your customers want.

## **3 - Simple installation**

Wondrwall can be installed by the same electrician currently doing your electrical installation. No special wiring is needed, and you can install at any point in the build cycle, even retrofit to existing homes.

## **4 - Exceed consumer desires**

Today's home buyers expect their homes to be smart. Surprise and delight them by exceeding their expectations with a truly intelligent home that anticipates their needs and desires.

## **5 - Increase your profit**

A survey of estate agents by James Dearsley, Founder of the Digital Marketing Bureau, found that 50% of those surveyed said they sold houses with smart home technology for more than comparable properties and, in most cases, 5% more than the standard asking price.

## **6 - Sell faster**

Imagine being able to offer your customers a home that keeps them safe and secure, that reduces their energy bills and that they can talk to and it will talk back. Research shows that today's consumers would prefer to buy a smart home over a standard home.

# A minimum of three features to make a home “smart”

Sixty percent of respondents in a Caldwell Banker survey think that a home needs to have at least three categories of smart products for it to be considered smart with security, audio, temperature, lighting, and voice assistant being the top priority.



## Heating

Wondrwall knows how long it will take your home to reach ideal temperature at different times of the day ensuring there isn't a moment of discomfort. Intelligently identifying the occupants temperature preferences from past behaviour enables Wondrwall to wake them at just the right temperature in the morning while timing the heating to avoid wasting energy.

Wondrwall's intelligence enables it to make real-time adjustments to usual routines. This means if they are delayed on their route home from work or going out for dinner, Wondrwall will pick up on this and pause the heating until they are back on track, saving them the costs associated with heating an empty home.



## Lighting

The most advanced light switch in the world offers touch-sensitive control of up to three lighting circuits but it can do so

much more. Wondrwall recognises when the home is unoccupied and turns off any lights that have been left on. When in 'Away' mode, Wondrwall will turn on and off certain lights in the home to simulate occupancy. When you get home after dark, Wondrwall welcomes the occupants home by turning on the lights to greet them. Additionally, all lighting in the home can be controlled via the mobile app or using voice control allowing them, for example, to switch off all lights in the home as they go to sleep.



## Security

Our motion sensors in every light switch work as part of a sensory based system, detecting the presence of trespassers. Sensors can be individually controlled to ensure that if there is a large pet in the home, its presence will not accidentally sound the alarm. In addition, Wondrwall can catch intruders before they enter the home, with voice technology tuned to



react to the sound of a smashed window, Wondrwall sounds the alarm by activating the siren and flashing the internal and external lights and alerting the home owner via the Wondrwall App.

### **Safety**

Wondrwall enhances the standard safety features of a home. We identify the sound of a smoke alarm, flashing all the lights inside the house to make sure all the inhabitants are awake, also sending alerts through to each and every light switch. Each key fob has a built-in panic button, so loved ones are never truly alone - with a single press sending an alert to all pre-programmed contacts simultaneously. The key fob ensures further protection by identifying who has arrived home.

### **Music**

Wondrwall can connect to media too, playing music through speakers built

in each switch. For the ultimate in sound quality, Wondrwall can play music through Sonos speakers in the home. These can be controlled via Wondrwall by voice or through the Wondrwall app from anywhere in the home.

### **Voice Control**

All the functions of Wondrwall can be controlled by voice. Using Amazon's Push-to-Talk Alexa Platform, Wondrwall can do so much more - weather or travel information, order from Amazon, retrieve the day's events from your Google calendar for example. Using the Amazon Alexa platform, Wondrwall also works with and controls smart home devices.

Powered by 

# Wondrwall is just a few components making it very easy to install and configure for your properties.

## Light Switch

The key to Wondrwall's learning capabilities. Sensors within the device continuously monitor habitation patterns. Each light switch is an Amazon Alexa device allowing occupants to "talk to their home". It is also a touch sensitive light switch that controls up to three lighting circuits manually.



## Controller Relay

The controller relay controls electric panel heaters, under floor heating and zoned heating valves. Paired with the temperature sensor in the light switches, it allows multiple independent heating zones in the home. It can also be used to open and close garage doors, driveway gates and window coverings.

## Key Fob

The mobile connection to your home, automatically arming and disarming the intruder protection system and also features an integrated panic button and a useful check-in feature.





## Base Kit

Each home requires a base kit that provides the key components required to get started with Wondrwall including: 1 light switch, 1 alarm siren, 1 thermostat and 2 key fobs. A base kit for apartments is available without the alarm siren.

To get the full functionality of Wondrwall and complete coverage of the whole home, you will need to add additional switches, replacing the standard light switches in the home.

If you would like help configuring Wondrwall for your properties, just send us the M&E diagrams to [hello@wondrwall](mailto:hello@wondrwall).



## Thermostat

The modern replacement for traditional heating controls, seamlessly integrating into your home to perform automated temperature adjustments based on data gathered from your living patterns but also allows for manual heating control if required.

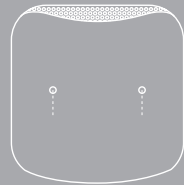


## Alarm Siren

Replaces your existing home security alarm, and supplements other existing devices such as smoke alarms and carbon monoxide detectors.

# Wondrwall is affordable and simple to install

- Replace your light switches with Wondrwall switches
- Replace your thermostat and alarm siren with Wondrwall components



At a similar price to a standard alarm system, Wondrwall is very affordable. It replaces existing components such as light switches, thermostats and any security system you might be installing, making it only a small incremental cost to a new home.

You can install Wondrwall at any point in the build cycle, even retrofit to existing properties. No special wiring is needed and the same electrician you use today can do your Wondrwall installation.

Integrate Wondrwall to convert your standard homes in to intelligent homes - not just a series of components being sold individually but a fully integrated system that seamlessly fits in to new build developments.

Wondrwall provides a 2 year warranty.  
Home owners contact Wondrwall directly if there are any issues.

If the owners of your homes have any questions about Wondrwall, they contact Wondrwall technical support on:  
Telephone - +44 (0) 161 457 0315  
Email - [support@wondrwall.co.uk](mailto:support@wondrwall.co.uk)  
Twitter - [@wondrwallhelp](https://twitter.com/wondrwallhelp)



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