

wondrwall®

INTELLIGENT LIVING

COMMISSIONING GUIDE FOR NEW HOMES



INTRODUCTION

Welcome to a Wondrwall enabled home. Using innovative hardware and cloud-based learning technology, Wondrwall achieves groundbreaking advances in home energy saving, home security and lifestyle personalisation.

Once installed, Wondrwall begins to build a detailed picture of exactly how you use your home. With a complex understanding of your living patterns, Wondrwall plots the optimal running of your home while making continual improvements.

Using the power of Amazon's Alexa platform, Wondrwall also gives you voice activated access to the internet to allow you to check the weather or travel information, retrieve the day's events from your Google calendar, order a taxi or products from Amazon for example.

Wondrwall can also connect to your media, playing music through speakers built into each light switch. For higher quality sound, Wondrwall integrates with Sonos speakers.

COMPONENTS

There are four different components of Wondrwall installed in your home that need to be set up to get the full power of Wondrwall system.



Light switch



Thermostat



Key fob



Siren

MOVING IN YOUR NEW HOME

When you first move in, your Wondrwall home automation system is installed and ready but has not yet been connected to the network. The full power of the Wondrwall system is available when you have set up. At this stage, your home works in the same way as a standard home. You can:

- Turn lights on and off using the touch controls on the light switches
- Control the heating and increase or decrease the temperature of your home

Until you connect Wondrwall, your security system will not work. You need to connect and setup the security system but once this is done, the security system will then continue to operate even if your network is down.

As soon as you have a wifi router and internet connectivity, you can connect Wondrwall as described below and convert make your home intelligent.



SETTING UP YOUR WONDRWALL INTELLIGENT HOME

To set up the Wondrwall network, you must first pair the primary light switch to your wireless router and network, using the Wondrwall App which is available on the App Store and on Google Play. Follow the instructions in the app to login and connect the system. You will need an Amazon account to login. This is the same Amazon account as you use for shopping, kindle, Alexa. If you do not have one, you can create one as part of the setup process.



Comprehensive instructions to follow are included in the app and should typically be sufficient to install Wondrwall. We have also included written instructions in this document. In addition to these written instructions, we have included a narrated screen capture video of the process for each component so you can see exactly what to do. If you still have trouble, our technical support team is available to help. Contact details are at the end of this document.

PAIR THE PRIMARY OR MASTER LIGHT SWITCH

The primary light switch will be the main hub of the Wondrwall network and is the first device to install. Select the light switch in the middle of your home, nearest to your wireless router and remove the front cover to expose the functional button. Touch the buttons to turn lights on and off. All will activate initially. Before you start the pairing process, note which buttons actually turn lights on in your home. Options are:

- Not connected (no lights turn on)
- Single left (only left hand button turns on lights)
- Single right (only right hand button turns on lights)
- Double (outside left and right buttons turn on lights but not middle)
- All connected (all buttons turn on lights)



Video guide: <https://youtu.be/uonG7RK0hRY>

1. Open the Wondrwall app and press Login with Amazon. Follow the on-screen instructions to login to your Amazon account. Turn on location settings. On the Wondrwall welcome screen, press Configure own house.
2. Press Start on the Initialisation screen to open the Install wizard which gives step-by-step instructions.
3. If not already done, remove the front cover of the light switch to locate the functional button. Press Next on the app.
4. Use a pin or wire to press and hold the button for about 20 seconds until all three LEDs flash. Release the functional button and press Next on the app.
5. Enter your network SSID and password in the Wi-Fi Setup screen to join your home wireless network. Press Access.
6. Press Specify on the House Setup screen to specify your home location. This feature allows Wondrwall to adjust the environment and energy consumption settings depending on how far you are from home. (Press Skip to skip this step).
7. A map shows your current location. Press Specify House Location.
8. Name your house in the next screen and press Save.
9. Now, press the displayed location name to show a list of existing locations. Press the one you require to select it. Alternatively, press Create new location to specify a new location. Press Next.
10. Type in a name for the light switch and press Save.

11. Press Select socket state and choose the option from the list that best describes how the light switch is wired. You will have noted this by checking which buttons turn on lights before you started the pairing process. The selected socket state will display on the screen. Press Next. If in doubt how the light switch is wired or you forgot to check, choose All connected. >For single lighting circuits, choose Single Right > For dual lighting circuits, choose Double > For triple lighting circuits, choose All connected.



12. Finally press Finish on the Success screen to end the installation, or press Add another device to continue pairing the rest of your Wondrwall devices.

PAIR ADDITIONAL LIGHT SWITCHES

You will need to pair all the other light switches installed in your home. This is the procedure for these light switches.

Before you start, note which buttons turn lights on. Options are:

- Not connected (no lights turn on)
- Single left (only left hand button turns on lights)
- Single right (only right hand button turns on lights)
- Double (outside left and right buttons turn on lights but not middle)
- All connected (all buttons turn on lights)

Video guide: <https://youtu.be/B1hVeW2IR70>

1. Either press Add another device in the Success screen, or the + on the Devices screen, then select Light switch from the Device Selection list.

2. If not already done, remove the front cover of the light switch to locate the functional button. Press Next on the app. Use a pin or wire to press and hold the button for about 20 seconds until all three LEDs flash. Release the functional button and press Next on the app.

3. Now, press the displayed location name to show a list of existing locations (scroll down if necessary). Press the one you require to select it. Alternatively, press Create new location to specify a new location. Press Next.

4. Type in a name for the light switch and press Save.

5. Press Select socket state and choose the option from the list that best describes how the light switch was wired. The selected socket state will display on the screen. Press Next. If in doubt how the light switch is wired, choose All connected.

> For single lighting circuits, choose Single Right > For dual lighting circuits, choose Double > For triple lighting circuits, choose All connected.

6. Finally press Finish on the Success screen to end the installation, or press Add another device to continue pairing more devices.

SETTING UP COMPLEX (TWO-WAY) LIGHT SWITCHES

The lighting on the stairs, in the hallway and the landing will only be controlled by a single switch until you have setup the complex lighting.

You must link the upstairs and downstairs switches together so that both light switches control the light that illuminates the stairs. The same applies for two-way light switches in hallways and landings.

Video guide:

<https://youtu.be/R2WbGI7trKw>

To link two lights:

1. Select Light switch 1 in the Devices screen and press Complex Lights.

2. Press Link another light switch in the Complex Lights page.

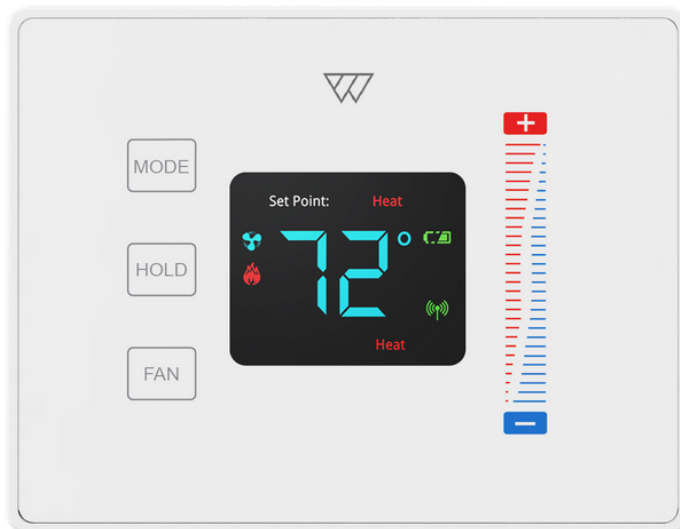
3. Select Light switch 2 from the list.

4. Press one or more on/off buttons on the Light switch 2. This links those buttons on Light switch 2 to the light connected to Light switch 1. The link is shown by a dotted line. Press Save to save the arrangement.

Both light switches now control the same light.

5. Repeat this procedure to link any more light switches.

PAIR THERMOSTATS



To get the intelligent heating controls, you will need to pair any Wondrwall thermostats installed in your home. Typically you will find one in the hallway and in many new homes, you will find a second upstairs.

Video guide:
<https://youtu.be/pQvgKyBMweQ>

1. Either click Add another device in the Success screen, or the + on the Devices screen, then select Thermostat from the Device Selection list.
2. Press the MODE button on the front of the thermostat until OFF is displayed on the screen. Press Next on the app.
3. Press and hold the space between the HOLD and FAN buttons and at the same time, swipe a finger down the right-hand slider. The display will change to 01. Press Next on the app.
4. Use the slider to set the display to 12, then press HOLD. This enters the 'Join Network' menu. Now use the slider again to set the display to 01 and press HOLD to pair with the Wondrwall network, then press MODE. Press Next on the app.
5. Now, press the displayed location name to show a list of existing locations (scroll down if necessary). Press the one you require to select it. Alternatively, press Create new location to specify a new location. Press Next.
6. Finally either press Finish on the Success screen to end the installation or Add another device to continue pairing devices.

PAIR ALARM SIRENS

Note: if you are in an apartment, an alarm siren will not be included.

We recommend that you pair the siren before you fix it to the wall. If it is already mounted, you will need to take it off before you can complete the pairing process.

Video guide: <https://youtu.be/vFVj7f-ebWg>



1. Either click Add another device in the Success screen, or the + on the Devices screen, then select Siren from the Device Selection list.
2. Remove the cover. Press Next on the app.
3. Press and hold the function button for about 10 seconds until the right hand LED flashes. Release the button. The siren is now connected to the Wondrwall network. Press Next on the app.
4. Now, press the displayed location name to show a list of existing locations (scroll down if necessary). Press the one you require to select it. Alternatively, press Create new location to specify a new location. Press Next.
5. Finally either press Finish on the Success screen to end the installation or Add another device to continue pairing the rest of your Wondrwall devices.
6. Replace the cover.

PAIR KEY FOBS



The key fob is used to arm and disarm the security system as well as a useful ID feature and a panic button.

1. Either click Add another device in the Success screen, or the + on the Devices screen, then select Key Fob from the Device Selection list.
2. Insert the battery into the key fob, then press the button. Press Next on the app.
3. Type in a name for the key fob and press Save.
4. Press Finish on the Success screen to end the installation or Add another device to continue pairing the rest of your Wondrwall devices.

CONNECT TO AMAZON ALEXA

You can talk to every light switch in your home and issue Amazon Alexa commands. You can use these commands to control the functions of the Wondrwall system but also to order a taxi, order a pizza, get the news or the weather forecast, buy things from Amazon and to play music.

1. Go to <http://alexa.amazon.com> or download the Alexa app from Google Play or in the Apple Store and login with your Amazon account username and password.
2. Select Skills from the menu, and search for “Wondrwall Home Automation”.
3. Click on Wondrwall Home Automation in the list to display its screen. Click Enable to activate the skill and to add it to your Alexa skill list. Alexa automatically discovers your Wondrwall devices.
4. You can now use Alexa and control your Wondrwall system through Alexa voice control. The Wondrwall Home Automation screen lists example commands to give your Wondrwall system, for example, “Alexa, turn on the bedroom light”. (For more information about General Alexa features, see www.alexa.amazon.com).
5. If you add more devices, add them by selecting Smart Home from the menu at the left hand side of the Alexa portal. Click on Manage Devices and Discover Devices, or say “Discover Devices”.

Process for Alexa activation on Light Switch:

1. Light Switch will send an activation request after the device has been through the commissioning process.
2. You will receive a request to the application - "Enable Alexa Voice Service" dialog will be shown.
3. The dialog can be shown from screens:
 - Home screen
 - Device details
 - Device info screen
4. You must select "Ok" from dialog and confirm action from the browser window which will be open automatically.
5. If you select cancel from the dialog you will have the ability to activate it by using "reactivation" in the light switch info screen.



Amazon Alexa naming of Wondrwall devices

Amazon Alexa uses the location of the device for voice control. The location is set in the Wondrwall app during the commissioning process as described above or you can change it later in the device info screen in the Wondrwall app. For example, if you have a light switch in location Living Room, Alexa will recognise this device as Living Room Light. If there is more than one light switch in the same location -- for example two light switches in the hallway -- saying "turn of the hallway light" will turn off both lights. If you want to control them independently, then you will need to change the location. This can be done at the setup stage or later.

CONNECTING TO SONOS

No special setup is needed for Sonos speakers. If these are already installed in your home, and on the same wifi network as Wondrwall, then Wondrwall will automatically detect them and be able to control them. If they are not already setup, then follow the instructions to setup the Sonos speakers.





TECHNICAL SUPPORT

If you need additional help, get in contact with our technical hotline. We are available via email or give us a call.

T: 0161 5330150 and choose the option 2 for technical support

E: support@wondrwall.co.uk