



Lightwave^{RF}

Understanding LightwaveRF heating in 10 easy steps



See what you can do with LightwaveRF heating

Follow the 10 steps

Follow the ten steps to learn how the LightwaveRF heating system works. Starting with the Lightwave Link, you can build a Lightwave system over time adding as many devices as you want to the system whenever you want.



1. The Lightwave Link

The key to every system

Every Lightwave Heating system needs a Lightwave Link (LW930 or 500). This device sends and receives radio commands between heating devices just as it does with other LightwaveRF products.

Provides an internet link

It also links to the internet via your own broadband connection allowing you to control the heating whilst you are away.



2. The App

Free to download

Each LightwaveRF heating system also requires the LightwaveRF App. This is free to download from the App store or Google Play.

Control LightwaveRF devices from anywhere

The App allows you to remotely monitor, control and schedule any LightwaveRF heating products from anywhere. Each heating device will remember and save its schedule, even when the App isn't running.



3. Control your radiators by fitting radiator valves (TRVs)

Convenience

The easiest way to take control of your heating is to screw-fit a LightwaveRF Radiator Valve (LW922) to your radiator.

Install in seconds

These smart devices, also known as TRVs, replace a pre-existing thermostatic valve (such as the one pictured). Simply unscrew the old valve and replace it with the LightwaveRF one. This can usually be done in seconds without special tools, and no plumbing is required.

Room by room control

You can turn the temperature up and down, boost the heating for an hour or simply turn it on/off. Use the Remote to control the Home Thermostat from the comfort of the sofa, and this will, in turn, relay the commands to the Boiler Switch.



Unscrew



Screw-fit



4. Control your radiators by fitting radiator valves (TRVs)

Control each radiator from anywhere

The radiator temperature can now be monitored and set from anywhere using the LightwaveRF App. Most importantly, this allows you to turn down the temperature in rooms that you are not using and save money.

Save energy

Even if your boiler is still running, turning off or reducing the set temperature of some radiators in the home provides significant energy savings, because the boiler isn't having to provide heat to those unused rooms.





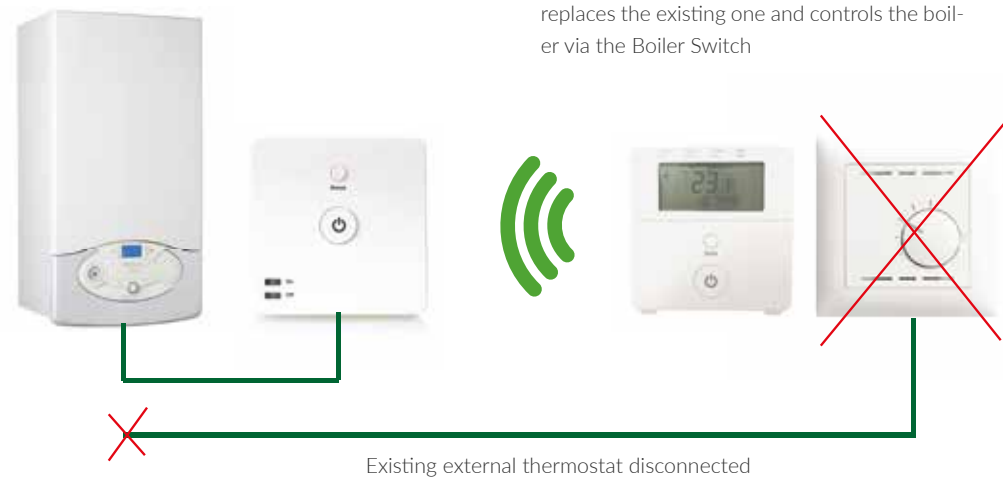
5. Control your boiler

The Boiler Switch & Thermostat

You can control your central heating boiler using the LightwaveRF Boiler Switch (LW920). This always needs to be used in conjunction with a LightwaveRF Thermostat (LW921) which monitors the home temperature and reports it to the App. This replaces your current stat (if you have one).

The Boiler Switch is connected to the room thermostat terminal in the boiler. It also takes live mains from the boiler.

The wireless LightwaveRF Home Thermostat replaces the existing one and controls the boiler via the Boiler Switch.



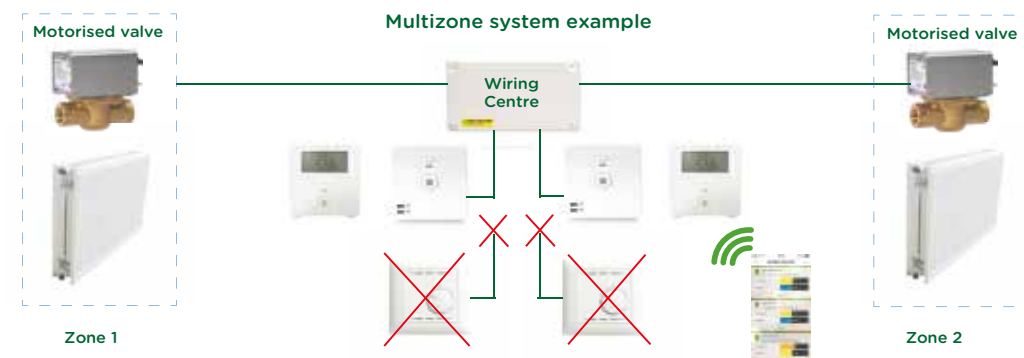
6. Control your boiler

Simple to install

The boiler switch can be fitted to the vast majority of heating systems, including standard combi boilers (most common), s-plan or y-plan systems. In most cases it requires a simple 2 wire connection to the standard terminal where an existing room thermostat would be connected.

Multi-zone

On an existing multi-zone system (s-plan plus), you can use a boiler switch and accompanying thermostat for each zone. Note: the switch only controls the heating and does not interfere with hot water.





7. Control your boiler

Set real-time temperatures

The house temperature can now be monitored and the boiler scheduled to come on at times and temperatures that you set on the App. You can also set real-time temperatures at anytime from anywhere. Turn your heating off when you are out late to save energy and money.

Control from the Thermostat

The thermostat acts as a handy wall mounted manual control working in conjunction with the App. It too can set temperatures and schedules.





8. Control your electric radiators and towel rails

Manage electric radiators

Just like a LightwaveRF TRV can control a standard wet radiator, a LightwaveRF Electric Switch can be used to control an electric radiator.

Schedule electric radiators alongside wet ones

The huge advantage of this, is that electric panel radiators or towel rails can now be scheduled and controlled from the App along with the rest of the central heating, allowing for a mixed heating system.



9. Add accessories

Magnetic Trigger

If you attach this to a window frame, when the window is open, it will automatically instruct a LightwaveRF radiator valve to turn down the radiator temperature and restore it on closing. This saves heat energy being lost through the open window.

Heating Remote

Using this remote, you can adjust the temperature of the LightwaveRF thermostat or of a LightwaveRF Radiator Valve, or turn on/off the boiler from anywhere within the home.



10. Discover the complete range



Lightwave Link & Apps

- Control Lightwave^{RF} devices from anywhere.
- Download free iOS, Android & Web Apps.
- **Lightwave Link** connects Lightwave^{RF} Apps to devices.
- Simply plug into your broadband router.
- Clever features such as timers, events, scene lighting and 'All Off' functions and dusk/dawn sensing.



Hand-held Remote Controls

- The simplest way to control Lightwave^{RF} devices.
- Control multiple devices independently.
- Switch on / off, dim and perform scene lighting.

Energy Monitoring

- Measure energy use in real-time from your smartphone.
- Use Lightwave^{RF} to turn off power-hungry devices.
- A great way to help understand your energy bills.
- View historic data in graphical format



Magnetic Switches & Triggers

- Attach to a window / door frame using adhesive strips.
- Automatically turn on / off devices when window opens.
- Use triggers to turn down radiators if windows are open.
- Save energy by preventing heat loss.

Radiator Control

- Radiator Valves (TRVs) provide individual radiator control.
- 3000W Electric Switches manage electric radiators
- App monitors & controls the temperature of each room.
- Set automatic schedules and edit them from anywhere.
- Screw-fit by hand without specialist knowledge or tools.



Wire-free Switching & Dimming

- Totally wire-free and portable.
- Does not require cabling, mains power or back box.
- Can switch or dim multiple Lightwave^{RF} devices.
- Ideal to control plug-ins, sockets, relays & dimmers.
- Quick, wireless alternative to a 2-way dimmer.

Retrofit Dimmers

- Designer dimmer switches in steel, white & chrome.
- Soft start 1-4 gang and 1-2 gang 2-way available.
- Quick and easy installation.
- Switches utilise existing wiring & 35mm back boxes.
- Compatible with most dimmable LEDs including specified Megaman LED lamps.



13A & Plug-in Switching & Dimming

- Designer 13A sockets to match the dimmer switch range.
- Each socket is rated to 13A and approved to BS 1363.
- Standard wiring and 35mm back boxes.
- 'Socket-lock' facility can lock sockets off for safety.
- Sockets can be locked on to prevent unintentional

2-Way Dimmers

- Identical in appearance to standard Lightwave^{RF} dimmers.
- They act as 'slave' switches in a Lightwave^{RF} 2-way circuit.
- Up to six 2-way dimmers can be connected to one master.
- Connect directly or in a 'daisy chain'.
- No need for intermediate switches.



In-line Switching & Dimming

- Relays operate mains or low voltage devices.
- Control curtains, gates, garage doors (LW821 Relay).
- Control large lighting circuits (LW830 In-line Relay).
- Control relays from the App, Remote or Wire-free Switch.
- Lightwave IP56 boxes allow relays to be mounted outside.

Scene Lighting

- Group control your lighting fixtures and lamps.
- Control from one switch, remote control or app.
- A convenient way to turn on / off or dim lights at once.
- Recall saved favourite setups, including dim levels.

Central Heating Control

- Home Thermostat & Boiler Switch control your boiler.
- Schedule, monitor and control your heating in real time.
- Use the Lightwave^{RF} App and Link to control it anywhere.
- Make sure you never return home to a cold house.
- Take control of your energy bills.







Lightwave^{RF}

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