



# The Modern Way to Heat Your Home

A modern way of heating for a more pleasant environment in your home and our planet: the infrared heating system.

[infraredheat.ie](http://infraredheat.ie) 0818 80 1000

# Who are **we**?

*"At **Infraredheat.ie**, we've been at the forefront of infrared heating solutions since 2010. With over a decade of experience, we are passionate about helping people discover smarter, more sustainable ways to heat their homes, workplaces, and public spaces.*

*We believe in the power of education and transparency. That's why we take the time to guide our clients through the benefits of infrared technology—an efficient, eco-friendly alternative to traditional heating systems. Our mission is simple: to reduce carbon footprints and promote a greener future through innovative, energy-efficient heating solutions tailored to modern living.*

*A key part of our success is our strong and enduring relationship with Aleš Babič, founder and director of Ekosen, the trusted manufacturer of our infrared panels.*

*Aleš shares our commitment to quality, innovation, and sustainability, and this close collaboration ensures we deliver the highest standard of technology and support to every client."*

**Aleš Babič**  
**CEO Ekosen**

**Eamon McGrath**  
**CEO of Infraredheat.ie**

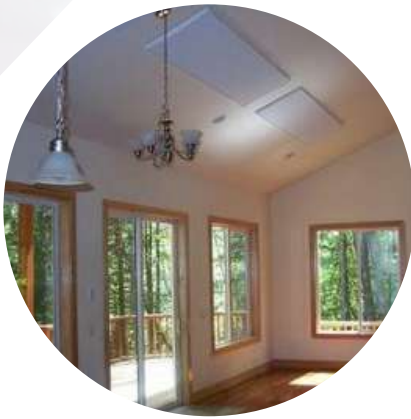


# IR heating provides warmth and savings

Our products ensure a comfortable stay in your home, a pleasant atmosphere, and great savings on heating.

**We provide a comprehensive service:**

- Expert consultation on IR heating
- Sale of IR heating panels, IR Sun WiFi regulators, and thermostats
- Quality installation performed by professionally trained electricians
- Repairs within the product warranty period



# What makes the **IR heating system** different from other providers?

Factor	Infrared Heating	Heat Pumps	Electric Convection	Central Heating (Oil/Gas)
Capital Cost	✓ Low capital cost	✗ High upfront install cost	✓ Low cost	✗ Medium-high (system + install)
Running Costs	✓ Low with proper use	✓ Low in mild climates	✗ High (constant power draw)	✗ Variable, typically higher
Maintenance	✓ No maintenance, no moving parts	✗ Requires yearly servicing	✓ Very low maintenance	✗ High – boiler servicing needed
Energy Consumption	✓ Efficient, direct heat transfer	✓ Efficient heat transfer	✗ Inefficient – heat loss via air	✗ Moderate-high energy use
Health Benefits	✓ Decreases dust, natural sun-like heat	✗ Increased dust circulation	✗ Increased dust circulation	✗ Increased dust circulation
Environmental Impact	✓ Zero emissions (with green electricity)	✓ Very low (with green electricity)	✗ High (if grid-powered by fossil fuels)	✗ High – oil/gas dependent
Quick Heating	✓ Instant heat to people/objects	⚠ Slower; air-based heating	⚠ Slower, heats air gradually	⚠ Moderate, depends on system
Wall Space Usage	✓ Wall/ceiling mount options	✓ Underfloor heating ✗ Radiators	✗ Radiators or heaters required	✗ Radiators/boilers occupy space



# What is **IR (infrared)** heating?

Sunlife IR heating panels are highly economical heating panels that convert nearly 100% of electric energy into heat. This technology represents a modern and healthy way of heating—objects in the room are heated first, which then naturally emit warmth back into the space.

Thanks to this alternative heat transfer method, the IR heating system is significantly more efficient and economical than traditional systems that primarily heat the air. It offers natural and safe heating for residential and commercial spaces. Thousands of buildings in various countries are already heated with our IR panels.

## **Where can IR heating panels be used?**

Homes, apartments, schools, kindergartens, clinics, offices, sports halls, churches, multipurpose, buildings, terraces, workshops, factories, hotels, weekend houses, animal shelters, greenhouses, saunas, healthcare, agriculture, construction...

They're also suitable for poorly insulated buildings or spaces that need rapid heating. Ideal for semi-enclosed areas such as terraces and balconies. IR panels are most effective as a primary heating system—suitable for everyone and every space, with benefits for mood and health.





## Advantages of the IR heating system

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- ✓ Clean and fresh air — without dust particles circulating
- ✓ No convection of air — fewer drafts and lower humidity
- ✓ Healthy and pleasant warmth
- ✓ Already used in healthcare for decades (e.g., baby incubators)
- ✓ IR warmth is beneficial for humans, animals, and plants
- ✓ Panels heat objects, not air — better heat retention
- ✓ Fast and even room heating
- ✓ Lower investment compared to traditional systems
- ✓ No moving parts or electronics — no servicing needed



# Sunlife **ONE**

Sunlife One infrared panels stand out with a sleek design and high-quality materials. White, frameless, ultra-thin — they blend discreetly into any room. Perfect for heating **residential** or **workspaces**.

The panels are manufactured using the most advanced technology and top-quality materials. These are exceptionally high-quality products, suitable for those who want only the best.

During operation, they heat to a lower temperature, between 90 °C and 100 °C, which ensures less stress on the materials, a longer lifespan, and greater efficiency. The expected lifespan of the panel is over 35 years. That's why these panels come with a 15-year warranty.



# Sunlife **MIRROR**

The SUNLIFE MIRROR IR panel is a heating mirror that offers numerous applications and fits beautifully into any space. Your bathroom will always be warm, and the mirror will never fog up. Also suitable for closets and hallways.

The SUNLIFE MIRROR IR panel can be used independently or in combination with other IR heating units and systems. It is made from high-quality tempered safety glass, placing it in the premium price category.







# A picture that heats — a decoration that reflects your style

We offer a unique opportunity to personalize your home heating: have your favourite image printed directly onto a Sunlife One infrared heating panel.

Whether it's a cherished photo, a meaningful design, or a high-resolution image from the internet, your chosen motif can become a stylish and functional feature in your home. Available in a variety of sizes, these panels are suitable for both main and auxiliary heating, making them as practical as they are beautiful.

Popular placements include bedrooms, hallways, staircases, living rooms, and children's rooms, where they add both warmth and character. They also make thoughtful and original gifts for personal or business occasions. Be bold, be creative — and let your imagination heat your home!

# IR Sun WiFi controller

A warm home with just one click on your phone

The IR Sun WiFi regulator transforms your IR heating system into the most precise, responsive, and comfortable heating method. With just one click via a smartphone app, you can change the heating settings—from home, work, or vacation.



- [www.irsun.eu](http://www.irsun.eu)
- Code: IRPR641WIFI
- Color: Black
- Dimensions: 114x80x19.55 mm
- Warranty: 2 years

[www.irsun.eu](http://www.irsun.eu)





# Made for IR heating – Simple for all generations

## Simple for all generations WiFi regulator

The user interface is clear and intuitive, with all key information illustrated. It allows you to monitor the heating system's power usage in real-time and access advanced functions with a single screen tap. It's so easy to use, you'll enjoy using it!

## Control your heating any time of the day

With the IR Sun WiFi app (Android/iOS), you can check power consumption, adjust settings, or set the desired room temperature remotely. This ensures your home is always as warm as you want it. Registration and connection to the regulator are required. Available via Google Play & App Store.

## It measures, calculates, regulates, and records

Unlike classic thermostats that operate on hysteresis (either fully on or off), the IR Sun WiFi regulator continuously tracks room temperature and calculates exactly how much heat is needed to maintain the desired temperature.

This results in consistent warmth without fluctuations, saving energy and increasing comfort. You can even view historical consumption and compare periods.

## Three heating modes:

- Eco – Lowers temperature when the room isn't in use.
- Schedule/Manual – Choose predefined schedules or manual temperature setting.
- Comfort – Temporarily increase temperature; reverts back afterward.

Color touch screen (10 cm) – Provides easy control and enhances modern home aesthetics.



Download on the  
App Store



GET IT ON  
Google Play

## 1. Can infrared heating be a cost-effective solution in Ireland?

Yes — infrared heating offers excellent value for money in Ireland for the following reasons:

- Efficient energy use: Infrared panels convert nearly 100% of electricity into heat, with minimal waste.
- Zoned control: Heat only the rooms you need, when you need them.
- Zero maintenance: No servicing, no breakdowns, no hidden costs.
- Lower upfront investment
- Longer lifespan of panels (up to 35+ years)

Why does correct panel sizing matter?

To ensure maximum efficiency and comfort, it's essential that infrared panels are correctly sized and specified by an experienced IR heating specialist.

Undersized panels may struggle to heat the space effectively, causing them to overwork, which can lead to higher running costs.

## 2. How do I heat my water if I use infrared heating?

Since infrared panels are designed to heat rooms and surfaces, you'll need a separate solution for hot water. The good news is, there are several efficient and modern options available such as hot water heat pumps, solar PV diverters and electric immersion heater.

## 3. Is it true that IR heating creates a more comfortable indoor climate?

Yes. IR heating warms objects, not air, resulting in evenly distributed heat, less dust, and ideal humidity. It improves comfort while using less energy.

## 4. Are IR panels safe and proven to work?

Absolutely. IR heating is used in incubators, saunas, and is scientifically backed. The ICNIRP (International Commission on Non-Ionizing Radiation Protection) confirms there are no health risks from long-wave IR radiation.

## 5. Can IR panels sufficiently heat a room?

Yes. Even during freezing conditions, IR panels can fully heat or supplement heating in all kinds of buildings.

## 6. Will the power be cut during the install?

Only for around 15 minutes.

## 7. How long does the installation take once booked?

Typically, 2-4 weeks, with installation lasting 1 day for most homes.

## 8. Are access holes needed?

Yes, approx. 100mm holes may be required. Boards will be replaced. Light sanding and painting may be needed.

## 9. Is it cold under the table with IR heating?

Not at all. Unlike convection heating (which pushes warm air to the ceiling), IR heating radiates warmth uniformly, including under furniture.

## 10. Is there a monthly charge for the app?

No, the app is free to use.

## 11. What warranty is provided?

Up to 15 years warranty on IR panels, backed by Infrared Heating Ireland and manufacturer Ekosen.

## 12. What is the impact of IR heating on health?

Infrared (IR) panel heating offers clear health advantages over traditional systems.

Unlike convection-based radiators or underfloor heating, IR panels significantly reduce air circulation, which helps minimize the spread of dust and airborne microorganisms.

The benefits of IR heating are frequently associated with:

- Fewer allergies and respiratory issues, thanks to cleaner indoor air;
- Enhanced overall wellbeing, with many users reporting improved mood and comfort;
- Support for cellular health, as numerous studies highlight the positive impact of infrared heat on cell function.

## 13. Why is the efficiency of IR panels greater when mounted on the ceiling rather than on the wall?

Mounting infrared panels on walls can reduce efficiency, especially in larger rooms. Since ceilings are typically closer (around 2.5m) than opposing walls (often over 3m), ceiling-mounted panels offer better heat distribution — radiating warmth evenly, like a lamp, and heating people, furniture, and surfaces directly.

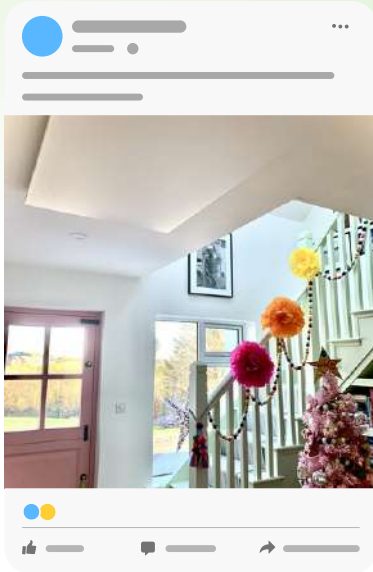
However, in some cases — such as narrow hallways, staircases, or when used as supplementary heating — wall mounting may be more practical or cost-effective.

To get the best results, always consult an infrared heating specialist to ensure panels are correctly placed for optimal performance.



# Check out **the testimonials:**

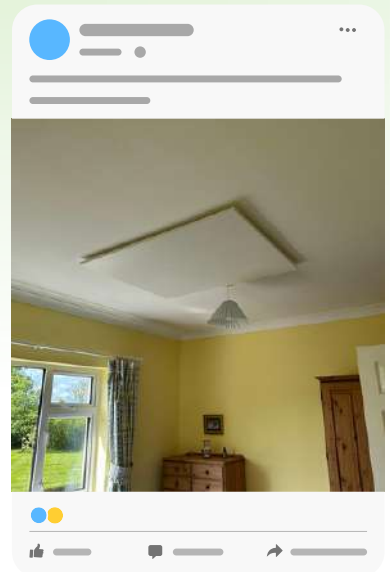
**DORMER HOUSE:  
Previously heated  
by oil.**



**DETACHED, 2 story  
house previously  
heated by oil**



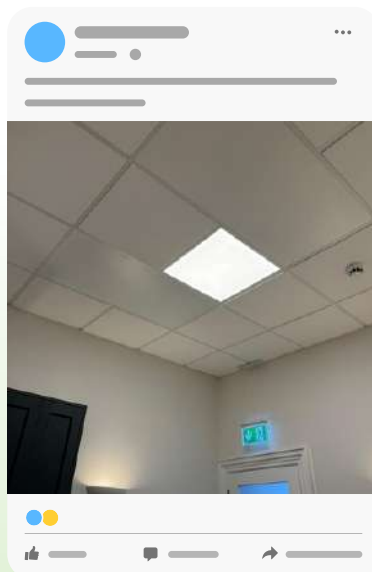
**TERRACE HOUSE,  
previously heated  
by gas**



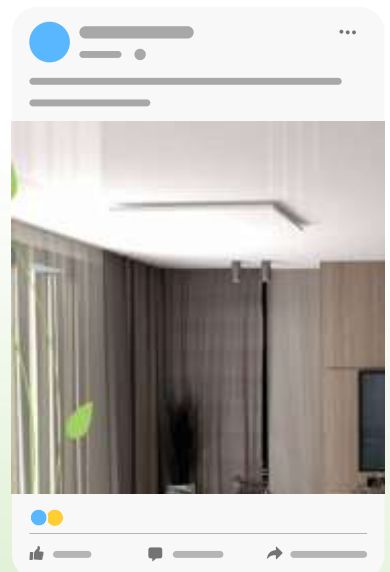
**Terrace House, previously  
heated with Storage  
Heaters and solid fuel**



**Commercial Business,  
previously heated with  
Electric storage heaters**



**You can find more  
TESTIMONIALS  
HERE!**



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[www.infraredheat.ie](http://www.infraredheat.ie)

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