+Kit
Installation Guide

Warmup

Contents

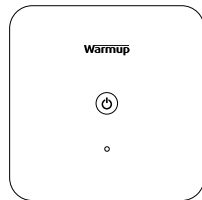## + Kit for use with the 4iE
Components
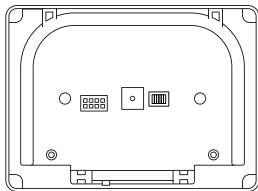
Power Base
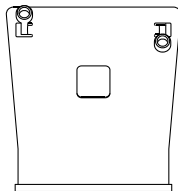
Stand

Boiler Receiver
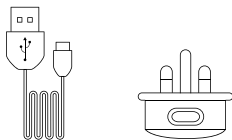
Power Adapter with 1m
USB Cable

+Kit

Step 1 - Download the MyHeating App

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Step 1 - Download the MyHeating App

The MyHeating app is available for iOS and Android devices via the App Store or Google Play. If you have not done so already, download the MyHeating app to your tablet or smartphone.

Registration

After the app has been successfully downloaded you will need to set up your MyWarmup account. The 4iE Device can be registered via the app or by visiting my.warmup.com
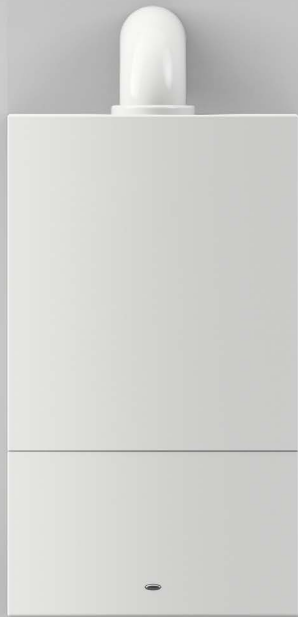
+Kit
Step 2 - Install the Boiler Receiver

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Step 2 - Install the Boiler Receiver (Electrician Required)

Before making any permanent fixtures Warmup recommends progressing through to 'Step 4 - Pairing the 4iE & Boiler Receiver' upon identifying preferred locations for the **Boiler Receiver** and **Power Base**. This will ensure the wireless connection is not subject to range or interference issues once installed.

IMPORTANT INFORMATION: Installation of the **Boiler Receiver** should only be carried out by a qualified electrician. It requires a permanent 230V supply.

The **Boiler Receiver** should be connected to the central heating fused spur or circuit breaker in accordance with current wiring regulations such that there is a single point of isolation for all interconnected devices.

Ensure that multi stranded wires are fully inserted into the terminals and secured tightly. Any loose strands should be trimmed as they could cause a short-circuit.

⚠️ This product uses mains voltage electricity and work should only be carried out by a qualified electrician. Electrical installation to be in accordance with latest edition of BS7671 Wiring Regulations and appropriate Statutory Regulations.

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The **Boiler Receiver** should be installed in the boilers vicinity. Large metal objects such as the boiler, hot water cylinder or radiators, should be at least 300mm away from the **Boiler Receiver** and not directly between it and the 4iE.

1
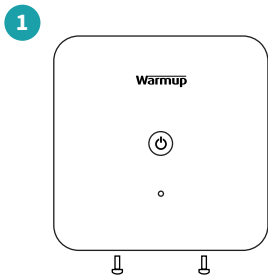
Loosen both screws at the bottom of the **Boiler Receiver** and remove the backplate.

2
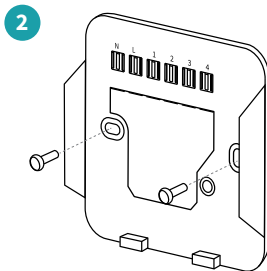
Fix the backplate to the wall using fixing screws provided.

⚠️ Make sure to avoid cables or pipes which may be buried in the wall

⁺Kit for use with the 4iE

Wiring Diagrams

**Powered Open Valve
230V AC**

N L L Com NO NC
Ⓝ Ⓛ ① ② ③ ④
Link Wire
L
N
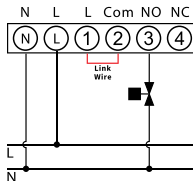
**Powered Closed Valve
230V AC**

N L L Com NO NC
Ⓝ Ⓛ ① ② ③ ④
Link Wire
L
N
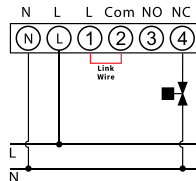
**Powered Open Valve
Free Voltage**

N L L Com NO NC
Ⓝ Ⓛ ① ② ③ ④
L
N   L/+ N/-
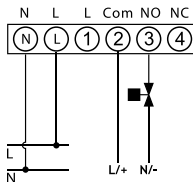
**Powered Closed Valve
Free Voltage**

N L L Com NO NC
Ⓝ Ⓛ ① ② ③ ④
L
N   L/+   N/-
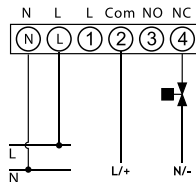
Step 2 - Install the Boiler Receiver (Electrician Required)

After the **Boiler Receiver** has been wired correctly reattach the front panel to the back plate and tighten both screws to secure.
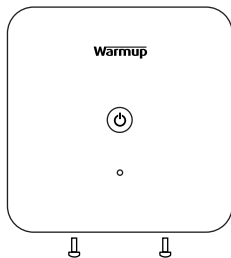
Restore power to the boiler. The LED on the **Boiler Receiver** will flash RED which means it has to be paired to the **Power Base**.

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Step 3 - Assembly

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For Stand Mount

For optimal performance the thermostat should be located in an area with good ventilation. It should not be beside a drafty window/door, in direct sunlight or above another heat generating device (e.g. radiator or TV).

1

Remove the 4iE from its packaging. Loosen both closing screws located at the bottom of the 4iE. Separate the front housing from the back plate.

2

Thread the power cable through the **Stand** and connect to the **Power Base** from your +Kit. Clip the **Power Base** onto the **Stand**. Connect the plug to a wall socket.

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For Wall Mount

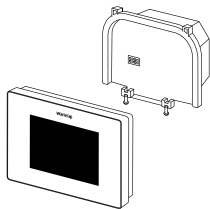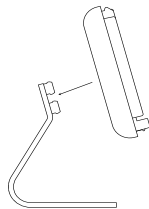For optimal performance the thermostat should be located in an area with good ventilation. It should not be beside a drafty window/door, in direct sunlight or above another heat generating device (e.g. radiator or TV).

1

Remove the 4iE from its packaging. Loosen both closing screws located at the bottom of the 4iE Separate the front housing from the back plate.

2
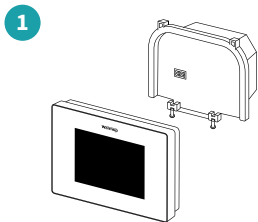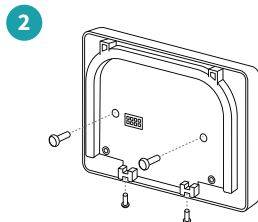
Drill a hole in the wall to feed the **USB Cable** to your wall socket. Attach the **Power Base** from your +Kit to the wall using the fixing screws provided. Connect the plug to the wall socket.

NOTE: For detailed instructions, see online at www.warmupsmart.com/installation

+ Kit
Setup

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Step 4 - Pairing the 4iE & Boiler Receiver

Before pairing, please make sure the **Power Base** and **Boiler Receiver** are powered. The LED on the **Boiler Receiver** will flash in RED slowly.

1
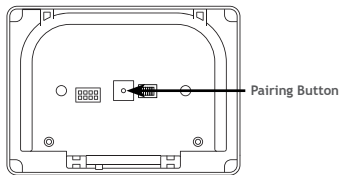
Pairing Button

Using a device, such as a paper clip, press the pairing button, as shown above, on the **Power Base** to begin pairing.

2

Warmup

Power button

LED
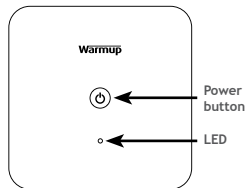
The LED on the **Boiler Receiver** will stop flashing RED to indicate a successful connection.

3
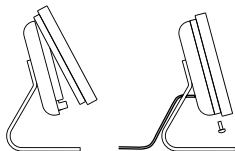
Attach the 4iE front face to the **Power Base** and tighten both closing screws.

NOTE: If the devices have been paired before, hold the Power button on the **Boiler Receiver** for 6 seconds and then continue set up.

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4

Wi-Fi

Warmup

back   accept

Once the 4iE has powered up, connect to your WiFi Network.

5

override

target   until
▲   ▲
21.0°C   15min
▼   ▼

back   accept
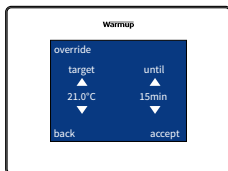
To check that the system has been installed successfully, increase the air temperature by setting a temporary override.

6

tue 1 jan   22:48   22.5 floor

21.5 °C
air
22.0 until 23:30

🚗 📧 | ☰ | ☁ 22.0

The heating indicator will appear on the 4iE, the light on the **Boiler Receiver** will turn solid GREEN and your heat system should now activate.
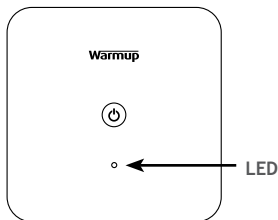
LED Colour	LED	Status	Meaning
N/A	○	Not lit	Paired
Green	●	Lit constantly	Relay on
Red	✳	Flashing slowly	Not paired
Red	☀	Flashing quickly	Relay off
Red	●	Lit constantly	Communication Lost Relay on

+Kit for use with the 4iE

The Warmup +Kit for use with the 4iE has been designed to still provide heating control should the communication between the **Power Base** and **Boiler Receiver** be interrupted.

With the **Power Base** and **Boiler Receiver** paired and the thermostat calling for heat, the relay will be activated and the **Boiler Receiver** will show a constant green LED indication. If the communication between the **Power Base** and **Boiler Receiver** is lost, the green LED will remain on the **Boiler Receiver** for a period of up to 30 minutes.

If communication has not been restored after 30 minutes has expired, the **Boiler Receiver** will indicate a communications fault by displaying a red LED flashing quickly.

To activate the relay whilst communication has been lost, press the power button on the **Boiler Receiver** once. The LED indicator will change from a constant to quick flashing red.

To de-activate the relay whilst communication has been lost, press the power button on the **Boiler Receiver** once. The LED indicator with change from constant red to flashing quickly red.

Once communication has been restored, the LED indicator will change back to constant green providing the thermostat is calling for heat.

+ Kit for use with the 4iE
Step 7 - Address setting

When using multiple +Kit's, each **Power Base** should be set to a unique address to prevent interference. Use the dip switches on the **Power Base** to select the unique address. 1 Represents ON (up) and 0 represents OFF (down).
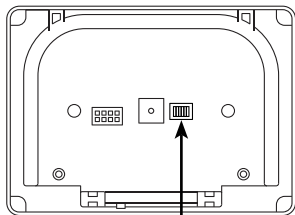
Address 31

Address 53

Address 61

Address 62

Dip Switches

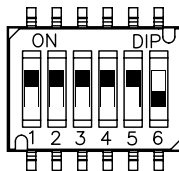| | | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 100000 | 17 | 100010 | 33 | 100001 | 49 | 100011 |
| 2 | 010000 | 18 | 010010 | 34 | 010001 | 50 | 010011 |
| 3 | 110000 | 19 | 110010 | 35 | 110001 | 51 | 110011 |
| 4 | 001000 | 20 | 001010 | 36 | 001001 | 52 | 001011 |
| 5 | 101000 | 21 | 101010 | 37 | 101001 | 53 | 101011 |
| 6 | 011000 | 22 | 011010 | 38 | 011001 | 54 | 011011 |
| 7 | 111000 | 23 | 111010 | 39 | 111001 | 55 | 111011 |
| 8 | 000100 | 24 | 000110 | 40 | 000101 | 56 | 000111 |
| 9 | 100100 | 25 | 100110 | 41 | 100101 | 57 | 100111 |
| 10 | 010100 | 26 | 010110 | 42 | 010101 | 58 | 010111 |
| 11 | 110100 | 27 | 110110 | 43 | 110101 | 59 | 110111 |
| 12 | 001100 | 28 | 001110 | 44 | 001101 | 60 | 001111 |
| 13 | 101100 | 29 | 101110 | 45 | 101101 | 61 | 101111 |
| 14 | 011100 | 30 | 011110 | 46 | 011101 | 62 | 011111 |
| 15 | 111100 | 31 | 111110 | 47 | 111101 | 63 | 111111 |
| 16 | 000010 | 32 | 000001 | 48 | 000011 | 0 | 000000 |

+Kit
Troubleshooting

+ Kit for use with the 4iE
Troubleshooting

Is the +Kit compatible with this heating system?	Due to the large number of different boiler systems and wiring plans in use, Warmup cannot guarantee compatibility with a particular system. Compatible with Combi and System boilers with 230VAC, volt-free or low voltage input up to 3A. The boiler manufacturer or manual will be able to confirm if the boiler is compatible with this.

How do I re-pair the system?	If the wireless connection is lost the LED on the **Boiler Receiver** will flash RED. If it does not auto reconnect, press and hold the power button on the Boiler Receiver for 6 seconds. Remove the 4iE from the **Power Base** and using a device such as a paper clip press the pairing button as shown on page 15. The light on the **Boiler Receiver** will flash GREEN twice to indicate a successful connection. Note: You can manually override the system, should the wireless connection fail by pressing the power button on the **Boiler Receiver** as shown on page 17.

4iE display is blank	1. Check that the display/standby brightness is not on the lowest setting, "0". To access display/audio settings first press the standby button at the bottom of the 4iE. Then press menu, settings and display/audio settings & display brightness. 2. Verify that power is going to the 4iE. Check that the **Power Base** plugged in.

4iE displays "er1 amb"	The system type on initial setup should be set to "Central Heating". If you are using the **Thermostat** with a central heating system you will not have a floor sensor installed. Switch the **Thermostat** to air mode >settings >heating preference >control >air/floor

Technical Specifications

Power Base

Dimensions (Assembled with 4iE face)	120 x 121.4 x 63.3mm
Power Supply	5V DC, 300mA
IP Rating	IP30
Operational Temperature Range	0°C - 50°C
Operational Humidity Range	<95% RH

Boiler Receiver

Dimensions	86 x 86 x 26.5mm
Power Supply	230V AC, 50Hz
Fuse	T1.6A, 250V
Maximum Relay Load	3A, 250V
Operational Temperature Range	0°C - 50°C
Operational Humidity Range	<95% RH
IP Rating	IP40

Wireless

RF Range (Open Air)	Max. 100m
Communication Band	868 MHz
Radio Frequency Standards	EN301 489-1 V2.2.0 / EN301 489-3 V2.1.1 / EN300 220-1 V3.1.1 / EN300 220-2 V3.1.1 / EN 62479:2010 / EN60950-1:2006/A2:2013

Contact Us

UK

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NW10 7UW

Warranty

Warmup plc warrants this product, to be free from defects in the workmanship or materials, under normal use and service, for a period of three (3) years from the date of purchase by the consumer. If at any time during the warranty period the product is determined to be defective, Warmup shall repair or replace it, at Warmup's option. If the product is defective, please either,

(i) return it, with a bill of sale or other dated proof of purchase, to the place from which you purchased it, or

(ii) contact Warmup. Warmup will determine whether the product should be returned, or replaced.

This warranty does not cover removal or reinstallation costs, and shall not apply if it is shown by Warmup that the defect or malfunction was caused by failure to follow the instruction manuals, incorrect installation or damage which occurred while the product was in the possession of a consumer.
Warmup's sole responsibility shall be to repair or replace the product within the terms stated above.
WARMUP SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. THIS WARRANTY IS THE ONLY EXPRESS WARRANTY WARMUP MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE THREE-YEAR DURATION OF THIS WARRANTY.
This Warranty does not affect your statutory rights.

Contact Warmup or visit www.warmup.co.uk for details

NOTE: This product is in compliance with the essential requirements and other relevant provisions of the RED Directive 2014/53/EU. The Declaration of Conformity may be consulted by visiting: http://www.warmupsmart.com/declarations-of-conformity/kit-declaration-of-conformity/