

# WAVE



Smart Heating and  
Hot Water Control

Handset not included.

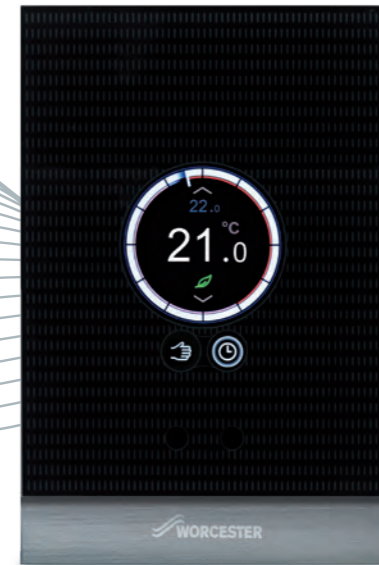
# ride the WAVE to smarter heating and hot water control



The Wave is the first of a new generation of Worcester controls.

The Wave is a smart, internet-connected programmable control for central heating and hot water which can be operated using a smart device.

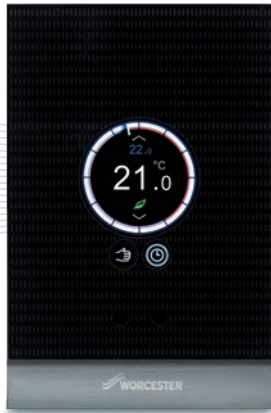
The Wave's innovative programming enables it to have an 'intelligent conversation' with the boiler and take advantage of advanced control features such as weather and load compensation.



Simple to fit.

Simple to use.

Simply smarter.



# simple to fit

The Wave is easy to install as you can use your existing room thermostat cable to make the low voltage 2-core wire connection between the control and the boiler. All other connections are via the Wi-Fi network.

Unlike standard weather compensation controls, the Wave does not need an external wired sensor. Instead, the Wave uses online data which significantly reduces installation time and cost to the end user.

#### Wave compatible Greenstar boilers:\*\*

Combi
Greenstar i
Greenstar Si Compact
Greenstar CDi Compact
Greenstar CDi Classic†
Greenstar Highflow CDi
System*
Greenstar 12i System - 24i System^
Greenstar 27i System - 30i System
Greenstar CDi Classic System†

\*Provided optional integral diverter valve is installed

†Manufactured after 16th January 2007 with software version CF12.10 onwards.

^Manufactured after February 2011.

\*\*Correct at time of printing. For the latest list of compatible boilers see the Worcester website.

Ideal for homes and small businesses, the Wave is compatible with many Greenstar gas-fired boilers as shown in the table below. It can also be retrofitted for use with some previous Worcester EMS-Bus appliances.

#### All you need is:

- Worcester Wave control – Part number 7 716 192 072
- Compatible Worcester boiler
- Wi-Fi enabled broadband router – 802.11 b/g
- The Wave app on a compatible Apple® or Android™ device.







# simple to use

The Wave's intuitive and modern design ensures it is very simple to operate using either its in-built touchscreen or via the Wave app. Users simply download the Wave app to their compatible device to take control of their heating system from anywhere in the world where an internet connection is available.

There are no subscription fees or chargeable app add-ons, therefore updates to the app software are completely free of charge.

#### Wave compatible devices:\*

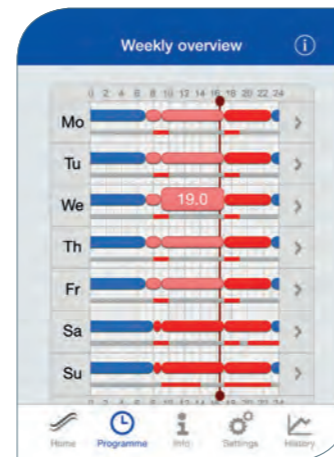
Apple® devices running iOS 5.1 and higher

Android™ devices running 2.2, 2.3 or 4.0 and higher



An installation and operating manual is provided with each control and there are a number of helpful videos to provide further detail on specific functions.

Should you temporarily lose your internet connection, the Wave will continue to operate as an intelligent heating and hot water control simply by using the last saved programme settings.



The Wave app is intuitive and easy to navigate.



## DID YOU KNOW?

Modern condensing boilers are most efficient when the water temperature in the system is low. Weather and load compensation reduce water temperatures and therefore increase efficiency, without compromising user comfort.

\*Correct at time of printing.





# simply adaptable

## Adapting to the homeowner's needs.

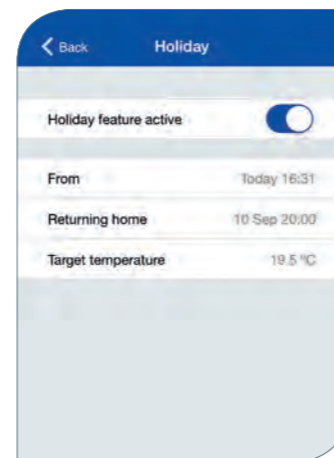
Each Wave control is supplied with a pre-set programme that can then be easily modified to suit the user's requirements.

The Wave app is highly adaptable and can be programmed to 'pair' with up to eight smart devices, which it automatically senses when people are at home. However, sensing to an individual device can be turned off if required.

Unlike some other smart heating controls, the Wave can also programme the hot water settings, providing additional energy savings and comfort.

The Wave will remember preferred programme settings to make these easily available and features a 'holiday programme', requiring just a start and finish date.

For security and peace of mind, all of the Wave's data is owned by the user, ensuring no information is shared with other parties.





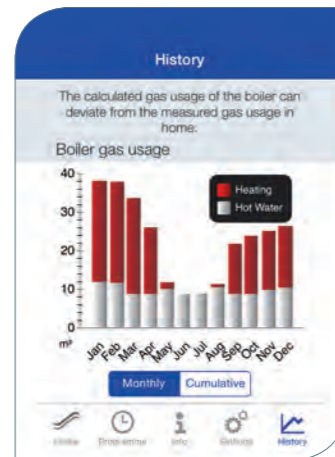
# simply smarter



## Enhanced energy efficiency.

The Wave's advanced programming enables it to have an 'intelligent conversation' with the boiler to take advantage of control features such as weather and load compensation. This ensures that the boiler modulates its performance to meet the needs of each household, providing the optimum balance of comfort and efficiency.

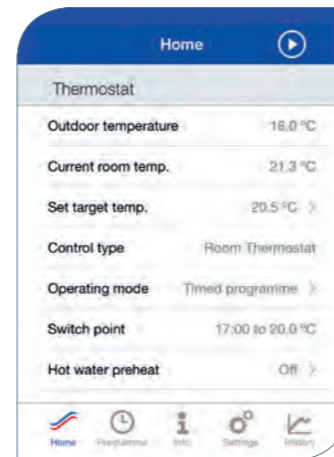
The Wave app allows you to see a chart of your heating and hot water usage so that you can easily identify where potential savings could be made.



For example, when you turn your room temperature down a leaf symbol will appear to indicate additional savings are being made.

### ErP legislation

According to the ErP Directive (Energy-related Products Directive) the Wave is a Class VI control, the highest class amongst our range of controls, and therefore can improve system efficiency by up to 4%\* – resulting in lower fuel bills. For more information on ErP, please visit [www.worcester-bosch.co.uk/erp](http://www.worcester-bosch.co.uk/erp)



**DID YOU KNOW?**

The Energy-related Products (ErP) directive is a new regulation set by the European Union and is designed to drive improvements in the efficiency and performance of heating and hot water products.



\*When installed with a gas-fired boiler the Wave is a Class V control giving a 3% system efficiency benefit. When the weather compensation feature is enabled it increases to 4% and becomes a Class VI control.



# simply worcester

## Peace of mind.

The Wave is the result of Worcester's considerable experience in the design of heating controls, combining tried and tested expertise with the latest smart technologies. In sourcing the boiler and controls from a single supplier you have the peace of mind that all components are designed to work in harmony with each other.

## Contact us.

Worcester's customer support team is recognised as one of the finest in the country.

Based in Worcester, our dedicated team of experienced technical experts provides answers to queries across the entire Worcester range for both current and past products.

### **Technical Helpline (Pre & Post Sales)**

Tel: 0330 123 3366

### **Training**

Tel: 0330 123 9229

### **Enquiries**

Email: [service.mailbox@uk.bosch.com](mailto:service.mailbox@uk.bosch.com)  
or telephone 0330 123 9559

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# want to know more?

Here are a few frequently asked questions and answers to help you gain a more in-depth understanding of the Wave.

## **How much is the Wave app?**

The Wave app including all future updates is free of charge.

## **Does the Wave come with a guarantee?**

Yes, the Wave comes with a 2 year guarantee however it will also carry the same guarantee as the boiler, if the two are installed at the same time.

## **Can someone hack the Wave?**

The data connection is encrypted. This means that the Wave is very secure.

## **Where is the best place to install the Wave in the home?**

The Wave operates by sensing the air temperature therefore it's important that it is in a clear flow of air that is representative of the house. Industry guidance and good practice is to locate the thermostat in the hall or landing away from direct sunlight or secondary heating.

## **What happens if I lose my internet connection?**

If the connection is lost, the Wave can be operated manually. However the timed heating and hot water programme will not function until the internet connection is re-established.

## **If I lose my smart phone can I still operate my heating?**

Yes, the Wave can be controlled manually without the smart phone.

## **Does the Wave switch between British summer and winter time automatically?**

Yes, when the Wave is first installed it will establish its location and set the time and date automatically. GMT updates also happen automatically.

## **Where is my data stored?**

One of the advantages of the Wave is that the data is not stored on the server – everything is stored on the Wave itself. Therefore the homeowner owns their data. The Wave automatically checks the server every night to see if any updates are available. These updates are then installed automatically meaning that they benefit from all updates to features and functionalities.

## **Can I use the Wave to control more than one zone e.g. more than one heating zone?**

No, the Wave is currently only suitable to control one heating and one hot water zone.

## **How many smart devices can be linked to the Wave and which one does the Wave 'listen' to?**

The Wave can be linked with up to 8 devices, the one with the highest central heating temperature requirement takes priority.



# worcester-bosch.co.uk/wave



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