

Dimplex[®]



Quantum

High Heat Retention
Storage Heater

*The most advanced storage
heater on the market*



Quantum HHR Storage Heater

Quantum is the most advanced high heat retention (HHR) storage heater on the market, economically and efficiently delivering on-demand heating using off-peak electricity.

Quantum is a stylish, modern HHR storage heater that utilises a highly insulated core to retain the energy stored overnight from off-peak electricity. A state-of-the-art intelligent, adaptive control system delivers just the right amount of this stored lower cost heat to match the room's climate conditions, individual lifestyle and comfort requirements.

Quantum's dynamic automatic charge and control algorithm first learns the occupant's usage and lifestyle, as well as the room's climate conditions. The controller then adapts to ensure that only the required amount of overnight energy is stored to meet the heating requirements of the following day. This helps to reduce both carbon emissions and running costs, as well as improve the Energy Performance Certificate (EPC) rating of homes.

It also makes Quantum HHR storage heaters more cost effective than direct acting heating systems such as panel, convector or clay, aluminium, and oil-filled radiators, as confirmed by the EPC calculations.

Quantum has three customisable heating timers, each with four time and temperature settings for each day of the week. A built-in radio frequency (RF) module means Quantum can be controlled remotely using the Dimplex Control smartphone app when purchased together with the Dimplex Control Hub.

The Quantum HHR storage heater is Lot 20 compliant and accredited to SAP appendix Q. It received a BEAB Approved Mark, the highest safety standard achievable in the UK, and is easy to install and maintenance-free.



Heat outlet positioning at the base of the heater for maximum thermal comfort and efficiency.



User-friendly on-board controls for operation and manual heat level adjustments.



The Dimplex Control app for remote heating management and energy usage monitoring.



The attractive styling and high energy efficiency make Quantum a perfect upgrade solution for older storage heaters in refurbishment projects.



Lot 20 compliant for increased energy efficiency



Dynamic, intelligent charge calculation stores only the energy you need



Built-in RF module as standard for remote control via the Dimplex Control smartphone app*



Up to 27% cheaper to run than a standard storage heater system**



Meets criteria for SAP High Heat Retention Storage Heater



Digitally controlled electronic thermostat accurate to $\pm 0.2^{\circ}\text{C}$



Customisable heating time and temperature settings, Boost mode and heat demand adjustment



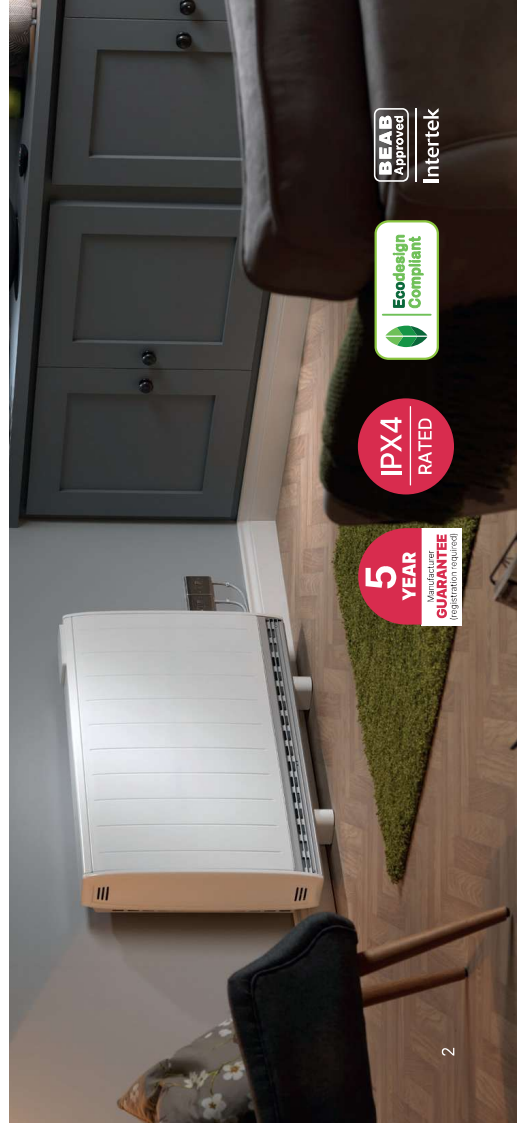
Adaptive Start Technology and Open Window Detection to maximise the effective use of energy



Residential refurbishment



Educational, light commercial and communal areas



* Requires a Dimplex Control Hub, sold separately
 **According to independent testing, visit dimplex.co.uk for more information



Dimplex Control Hub

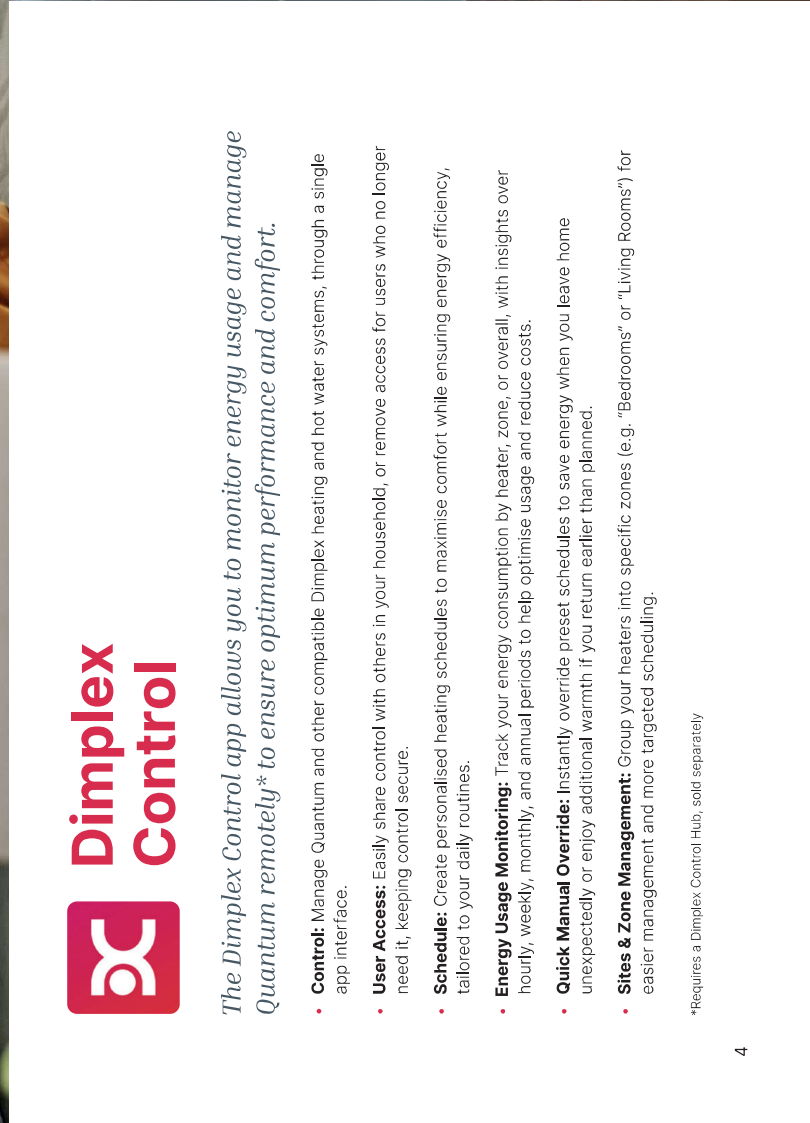
The Dimplex Control Hub is a device that connects Quantum heaters to the internet.

Dimplex Control Hub acts as the bridge between radio frequency (RF) Dimplex products and the Dimplex Control Cloud server. The Hub connects via Ethernet or Wi-Fi to allow control and monitoring of heating and hot water via the Dimplex Control app. Anytime. Anywhere.

Dimplex Hub provides connectivity and control by:

- Creating a radio frequency network that supported Dimplex products can join
- Allowing connected Dimplex products to send and receive commands
- Enabling quick setup using the Dimplex Control app step-by-step wizard

Enables smart tariffs!



The Dimplex Control app allows you to monitor energy usage and manage Quantum remotely to ensure optimum performance and comfort.*

- **Control:** Manage Quantum and other compatible Dimplex heating and hot water systems, through a single app interface.
- **User Access:** Easily share control with others in your household, or remove access for users who no longer need it, keeping control secure.
- **Schedule:** Create personalised heating schedules to maximise comfort while ensuring energy efficiency, tailored to your daily routines.
- **Energy Usage Monitoring:** Track your energy consumption by heater, zone, or overall, with insights over hourly, weekly, monthly, and annual periods to help optimise usage and reduce costs.
- **Quick Manual Override:** Instantly override preset schedules to save energy when you leave home unexpectedly or enjoy additional warmth if you return earlier than planned.
- **Sites & Zone Management:** Group your heaters into specific zones (e.g. "Bedrooms" or "Living Rooms") for easier management and more targeted scheduling.

*Requires a Dimplex Control Hub, sold separately

The British Gas Dimplex Quantum Tariff

The technology inside new Dimplex Quantum storage heaters allows them to communicate with smart tariffs. This enables the heaters to automatically take advantage of cheaper night-time rates and 100% renewable energy to reduce costs when paired with certain smart tariffs.

British Gas and Dimplex have partnered to launch the award-winning electric storage heating tariff: the British Gas Dimplex Quantum Tariff.



The British Gas Dimplex Quantum Tariff is a first-of-its-kind optimised smart tariff for Quantum storage heaters. Created by British Gas, the tariff can offer **lower rates than typical Economy 7 tariffs** thanks to the heaters' capability to allow British Gas to charge Quantum heaters when electricity costs are lowest on the grid.



It's **100% renewable electricity***, and with **prices fixed for at least 12 months** from sign up, there is peace of mind without the worry of increasing rates.



Designed, developed, and manufactured in the UK, the Quantum HHR storage heaters intelligently communicate with British Gas, who charge them up with low-cost electricity when it's available on the grid. This cheap electricity is stored as heat and used when needed to maintain the selected temperature in the property.

And the best thing is...
This is all done automatically, reducing bills without affecting comfort!



For the latest tariff information follow this QR code, visit dimplex.co.uk/tariffs, or call **03333 202 9756**

*British Gas match the electricity bought from them on this tariff with 100% renewable energy by buying Renewable Energy Certificates of Origin certificates. This means buying certificates that guarantee electricity has been generated from a renewable source to match the electricity that the occupant use.

What is needed to access these savings?



Eligible Quantum heaters installed as the main heating system (these can be used alongside other Dimplex heaters).



A Dimplex Control Hub with the Quantum heaters connected to it.



A functioning "always on" **home broadband** internet connection.



A smart meter - British Gas will upgrade conventional Economy 7 meters to smart meters free of charge.

What is a Dimplex Control Hub?

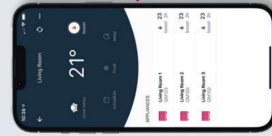
The Dimplex Control Hub is a device that connects Quantum heaters to the internet. With the Dimplex Hub connected to the home broadband router, the Dimplex Control app can be used to view energy use, adjust heating settings, and control the system from anywhere in the world.

This is also the connection that makes it possible to see when the heaters can help the grid, without impacting comfort for the user.

What is a smart meter?

When a meter is called 'smart', it simply means that unlike old electricity meters, it's capable of recording how much energy was used at a particular time of the day. This allows us to see when cheap electricity is passed between the heaters and the grid.

British Gas can arrange for a smart meter to be fitted free of charge as they're being rolled out across the country. In fact, more than 55% of homes in the UK already have one installed.



The Dimplex Control App



Dimplex Control Hub



Quantum HHR Storage Heater

Benefits of the British Gas Dimplex Quantum Tariff:

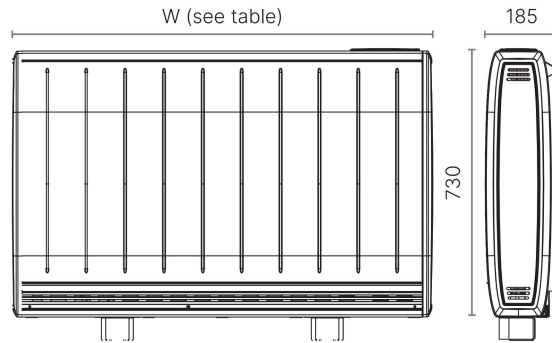
- Great **day and night** electricity prices
- **Reduced night-time rates** for the whole home, from 12:30am – 7:30am daily
- Rates are **fixed for at least 12 months** once signed up
- **100% renewable electricity***
- Supports the UK's efforts to increase **sustainable electricity** generation
- **Full control** of the cost and comfort through our Dimplex Control app





Quantum HHR Storage Heater

Product Dimensions (mm)



Model	Input rating +5%/-10% (W)	Output rating (kW)	Boost mode rating (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	Installed weight (kg)	Energy packs required
QM050RF	1020	0.5	0.34	730	580	185	22.7	67	4
QM070RF	1560	0.7	0.52	730	703	185	26.1	91	6
QM100RF	2220	1	0.74	730	865	185	30	115	8
QM125RF	2760	1.25	0.92	730	1069	185	35.5	142	10
QM150RF	3300	1.5	1.1	730	1069	185	38.5	165	12



Experience better living.

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 **Dimplex**[®]

Dimplex reserves the right to amend or revise product specification without notice. The information in this publication is correct at the time of publication. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work.

For an up-to-date library of product information, please visit dimplex.co.uk

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