

Dimplex Quantum

A modern night storage heater:
efficient, responsive, controllable

Dimplex Quantum storage heaters work in the same manner as standard night storage heaters, by charging up overnight using the cheaper rate of electricity on an Economy 7 tariff.

But unlike older models of night storage heaters, Quantum heaters have thermostats and a digital programmer, meaning that operating them is much more 'hands-free'.

Once you have chosen the room temperature and times of day when the heater is active it automatically works out how much to charge overnight. A fan helps to draw air through the heater and warm up the room when the thermostat senses that the temperature has dropped.

Quantum heaters are better insulated than older models, meaning that less heat escapes when it isn't needed. They also respond to seasonal temperature changes and 'learn' how much heat to store to warm the room to the desired temperature. The running costs of quantum heaters are around 27% lower than standard night storage heaters due to these improvements.

Getting started

Firstly, make sure that both switches on the wall are turned on and ensure they are left on all the time, including overnight. This will *not* mean the heater keeps heating 24 hours a day, it will just keep the low powered programmer active. You can turn off the wall switches in the summer, but it's best to avoid turning the heater off and on at the wall during the colder months as this can hinder the intelligent charging function.



Modern storage heaters look a lot nicer than the old ones!



The controls are on the top right of the heater under a flap. There is a **selector dial** which can be rotated and pressed (1), a **display screen** (5) and three buttons: **menu** (2), **back** (3) and **advance** (4).

Press down the **dial** and the display screen shows you the thermostat target temperature and timer mode.



Turn on the child lock by pressing and holding both **back** and the **dial** for five seconds. Do the same to unlock. You can also set a four digit PIN code lock by going into the settings menu.

When the heater is active, "Heating on" shows at the bottom of the screen. "Heating off" shows that the heater is not currently providing heat, as set by the programmer.

Step 1: Set the time

Your Quantum heater may already have the correct time set, but you may want to double check:

Press **menu**; rotate and then press the **dial** when "Date/Time" is highlighted; rotate the **dial** to the correct day, and press the **dial** to select. Repeat this process for the date, month, year and time. (On the latest Quantum models, the time is automatically adjusted in Spring and Autumn when the clocks change.)

Step 2: Set the temperature

Rotating the **dial** changes the target temperature. Rotating left lowers the temperature, rotating right raises it. When the room reaches the temperature set, the heater will turn off. The recommended temperature range is 18-21°C. If



**Leave a gap of 30cm
in front of your heater to
prevent a fire hazard.**

See all our energy advice leaflets at www.cse.org.uk/advice-leaflets

you change the temperature during the day, remember to set it back to your preferred temperature before midnight so the heater knows how much heat to store overnight.

Step 3: Set the timer mode

There are four timer modes which decide when the heater will be active ("Heating on"):

- 1) **User timer:** Select your desired timeframes (four periods)
- 2) **Out all day:** 7.5 hours heating per day in two periods (morning and evening)
- 3) **Home All Day:** 13 hours of heating per day, for people who need heat throughout the day.
- 4) **Away:** Allows you to reduce the heating while you are away. Set the number of days you are away from home and the desired temperature for this period.

To choose a timer mode, press **menu** and rotate the **dial** to highlight 'Modes' and press the **dial** to select. You can then select 'Timer Mode' or 'Frost Protect'. Choosing 'Frost Protect' will maintain a room temperature of 7°C. Select 'Timer Mode' by rotating and pressing the **dial** and a list of Timer Modes will be shown. Their default settings are shown in the table below:

You can then choose to 'Select', 'Preview' or 'Modify' the timer mode. Pressing 'Select' will choose this timer option. You can view the times currently set with 'Preview' without risking accidental changes. If the pre-set time periods don't suit you, 'Modify' allows you to customise them.

	Period 1	Period 2	Period 3	Period 4
User timer	06.30 -09.30	11.00 -13.00	15.00 -17.00	18.00 -22.00
Home all day	08.00 -21.00	00.00 -00.00	00.00 -00.00	00.00 -00.00
Out all day	06.00 -08.30	17.00 -22.00	00.00 -00.00	00.00 -00.00

The factory setting on your heater may vary from the example above.

The latest model of Dimplex Quantum can be controlled remotely via the Dimplex Control app.



Advance button

If the heater is in "Heating off" mode but you need heat earlier, pressing **advance** will turn the heater to "Heating on", bringing forward the start of the next time period. This will use heat already stored in the heater and so can leave less stored heat available for later in the day, so use this setting sparingly. Pressing **advance** when "Heating on" is showing will turn the heater off until the next heating period. **Advance** can be useful if you are in and out of home at different times to those set on the timer.

Boost

The "Boost" option (found by pressing **menu**) switches on a booster heating element which uses the expensive rate of electricity, and should be avoided except for emergencies (e.g. unusually cold weather). You can choose the target temperature and the duration of the boost (in minutes). Once the boost has run for the selected time it will automatically switch off.

Sometimes watching a video is the best way to learn about using Quantum heaters.

There are some excellent short guides in this Dimplex playlist: www.bit.ly/dimplex-playlist

And here are instructions for using the Dimplex Quantum: <https://youtu.be/ImFAPhASICU>

And if you want the full operating manual, you can download it or read it online here: <http://bit.ly/instructionsPDF>



See also our Economy 7 factsheet for information on controlling your hot water tank.



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Founded: 1979

The Centre for Sustainable Energy is a national charity (298740) that helps people change the way they think and act on energy.

Our Home Energy Team offers free advice on domestic energy use to householders in Bristol, Somerset, North Somerset, Bath & North East Somerset, Wiltshire, South Gloucestershire and Dorset.



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