

How To Get The Best From Your New CÜRV Home



Navigating Your Eco Home Of The Future

Learn How To Operate Your Smart Home Heating, Hot Water And Energy

*V1.6. Information correct as of 02/25 contents can be subject to change without prior notice.



Energy efficient heating, hot water and storage systems, green energy sources, and smart technology will eventually power all our homes. The whole of house solution fits together seamlessly, making green, sustainable living a reality.

The following guide will help you navigate through your new eco home system, teaching you how to optimise your system for minimised energy spending.



*Project CÜRV Trust Score correct as of 07/24, the score and number of reviews are subject to change.

Contents The Whole Of House Solution







Up Next Controlling Your Heating

Elegance Range Introduction

CÜRV heating panels work differently from conventional heating systems. While traditional systems use convection (heating the air and circulating it), infrared panels heat directly, providing greater comfort at a lower cost and energy consumption. The CÜRV system allows you to heat only the rooms you need, unlike gas central heating that heats entire zones, resulting in significant savings on your heating bills.

CÜRV panels can be controlled via a room thermostat or the CÜRV smart app, available on Apple or Google Play. The app allows you to set schedules and control your heating remotely, ensuring a warm home when you arrive, even on cold days.

Benefits



Direct Heat

Infrared Heating Targets Objects and Individuals, Instead Of Increasing The Temperature Of Ambient Air, Which Then Heats The Person Or Object.



De-Centralised System

With Scheduled Climatic Zone Control, you only heat single rooms when you need to unlike a gas central system which heat the whole house at once.



Silent Operation

Infrared Heaters function silently as they are free from disruptive fans or motors ensuring a comfortable whisper-quiet heating experience.



Fast Heat-Up Time

Our heaters can provide warmth almost instantly upon being turned on, allowing for immediate comfort.



Modulated Heating

Unlike traditional electric heating, which operates at 100% power, infrared heating reduces power to maintain temperature, ensuring comfort and energy efficiency.



15-Year Warranty

Benefit From Peace Of Mind With A 15-Year Warranty On All Infrared Heating Panels As Well As No Requirement For Regular Servicing.

Elegance Range Smart Control Methods

The CÜRV App

Control, monitor & schedule your home heating system straight from your phone. Personalise your system to your lifestvle.

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CONTROL EVERYTHING. THE CÜRV® SMART APP.

Manually control the temperature of your room with the press of a button on a simple, intuitive interface.



Child Safety Lock

The maximum heating panel surface temperature can be dropped to lower the harshness when touched.



Smart Control From Your Device

TARGET

Take full control of your heating and set different temperatures for multiple rooms, all from your device.

The CÜRV App - Heater Functionality



Thermostat - Display Functionality



Thermostat - Buttons

1. ON/OFF Key:

Press for less than 1 second to switch on/off. Press and hold for more than 3 seconds to switch the temperature scale.

2. TIME/SET Key:

Short press for less than 1 second: set timing on/off switching, press OK key to confirm when selecting group setting.

Press and hold until the setting timing interface flashes to enter the timing setting.

Continue to press for a long time until the time setting interface flashes to enter the time setting.

3. OK Key:

Short press within 1 second: Select/set to confirm. Press and hold for more than 3 seconds: return.

4. + Key:

Short press less than 1 second: adjust the temperature increase, and increase the adjustment in the setting state.

Press and hold for more than 3 seconds: confirm the entry/addition of paired devices.

5 .- Key:

Short press less than 1 second: adjust the temperature decrease, which is also the decrease adjustment in the setting state.

Press and hold for more than 3 seconds: pairing device entry/delete device confirmation.

6. ECOMODE Key:

Short press within 1 second to switch high/medium/low gear. Press and hold for more than 3 seconds: defrost.

7. BOOST Key:

the child lock function.

Short press within than 1 second: fast heating for 30/60/90 minutes. Press and hold for more than 3 seconds to perform

Thermostat - Programming A Heating Schedule

- 1. Press TIME/SET for 3 seconds.
- 2. Press "OK".
- **3.** Use "+" and "-" to select the Days the program will run. ("+" to schedule multiple days and "-" to select individual date).
- 4. Press "OK".
- 5. Use "+" and "-" to select the ON Hour.
- 6. Press "OK".
- 7. Use "+" and "-" to select the ON Minutes.
- 8. Press "OK".
- 9. Hold "OK" to store .
- **10.** Use "+" and "-" to select the OFF Hour.

- 11. Press "OK".
- 12. Use "+" and "-" to select the OFF Minutes.
- 13. Press "OK".
- 14. Use "+" and "-" to select the Temperature.
- **15.** Repeat until you have set your temperatures throughout the day.
- **16.** Press "SET" and "+" and "-" to change the day you wish to program.
- 17. Press "OK" to select and continue from stage 5.
- 18. Press "OK" for 3 seconds to save.
- 19. Press and hold "OK" to exit.



The CÜRV App - Register & Log In

Register	Set Decouver	d
Jnited Kingdom	Set Passwor	a
Email Adress	Use 6-20 characters wi and numbers	th a mix of letters

- **1.** When the download is finished, click 'Create New Account'.
- 2. Enter your email address and press 'Get Code'.
- **3.** You will receive an email with a verification code (If it doesn't appear in your inbox, check your spam/junk folder).
- 4. Set your password and click 'Done' to finish.

The CÜRV App - How To Change The Maximum Surface Temperature

- 1. Click the see power and charge statistics.
- 2. Click the "Surface Temperature Limit" button and enter the password '123456' when prompted.
- 3. Select your desired temperature and click the save button.

PLEASE NOTE: Lowering the maximum surface temperature below 75 degrees will effect the products heating effectiveness

The CÜRV Smart App - How To Pair Your Heater

- 1. Select phone 'Settings'.
- 2. Go to 'Personal Hotspot'.
- 3. Activate personal hotspot.
- 4. Go into 'Wi-Fi Settings'.
- 5. Set 'Auto Join Hotspot' to 'Automatic'.

The CÜRV Smart App - How To Pair Your Heater

- 6. Select '+'.
- 7. Select 'Add Device'.
- 8. Select 'Infrared Heater'.
- 9. Enter internet & password details.
- 10. Press the Wi-Fi button on your heater for 3 seconds. Light will start flashing slowly.
- 11. Confirm the Wi-Fi indicator is flashing slowly and select 'Next'.
- 12. Select 'Go To Connect' to connect the heater to your hotspot.
- 13. Select 'Wi-Fi settings'.
- 14. Locate 'SmartLife xxx' or 'CÜRVSmart xxxx'.
- 15. Wait for hotspot to connect and be activated.

The CÜRV Smart App - How To Pair Your Heater

- 16. Select 'CÜRV Smart' to go back to the app.
- 17. There will then be a 2 minute timer & pairing process.
- 18. Once the heater is paired, select it to change name.
- 19. Enter desired name, then select 'Finish'.
- 20. When the name is saved successfully, select 'Done'.
- 21. Heater may require an update, select 'Update Now'.
- 22. Heater is ready to use.

The CÜRV Smart App - How To Set A Timer Schedule

- 1. Select the heater you want to set a time schedule for.
- 2. Select 'Statistics/Timer Set'.
- 3. Select 'Timer Settings'.
- 4. Select 'Add'.
- 5. Set start & end time, days & preset temperature. Then click 'Save'.
- 6. Select 'Save' to store the programme.
- 7. Select 'Timer' to run your timed schedule.

The CÜRV Smart App - How To Add A Member

- 1. Select 'Me'
- 2. Select 'Home Management'.
- 3. Select the home with your heaters on.
- 4. Select 'Add Member'.
- 5. Select 'App Account'.
- 6. Enter app account detail. Under 'Family Role' select 'Role'.

6

FAQS Frequently Asked Questions

Infrared Heaters

Why does my infrared panel not seem to get as hot anymore?

Make sure the heater is in High eco mode (on the App) or number 3 (on the Thermostat).

What room temperature should I set?

Room temperatures can vary dependant on the individual person and thermal comfort levels and with Infrared technology those can be lower set temperatures than a conventional heating system. These can be adjusted to the persons needs but a start point would be as follows.

Bedrooms - 18°C Hallways & Landings - 18°C Bathrooms - 23°C Living Areas - 21°C Kitchens - 18°C

Hot Water Cylinders Introduction

The Air Sourced Hot Water Cylinder produces mains pressurised hot water to the outlets in your home, great for showering. It is essentially an unvented hot water cylinder that utilises the energy and cost savings of air sourced technology heating a full cylinder of hot water from as little as 80 pence. The unit draws air in and strips the heat from the air it the uses this to heat your hot water via a banded coil wrapped around the cylinder. The then cold air is exhausted direct to outside via an extract duct.

Benefits

Energy Efficiency

By harnessing renewable energy from the ambient air, our cylinders significantly reduce electricity consumption and lower utility bills.

Our hot water cylinders have solar PV connectivity built-in as standard allowing you to efficiently harness solar energy to heat your water.

Quiet Operation

Our advanced technology ensures our cylinders operate exceptionally quietly, providing efficient water heating while maintaining a peaceful home environment.

Fast Water Heat-Up Time

With an immersion heater backup for when you need a boost of energy in high use times or colder months for a consistent water supply.

User Friendly Interface

With a built-in touch control LED display, you can take advantage of timer control for off-peak power settings.

5-Year Warranty

Benefit from peace of mind with a 5-year warranty on all air sourced hot water cylinders.

Hot Water Cylinders Modes

Eco Mode

Allows for the heating and temperature of water to be maintained within a defined period of time.

Auto Mode

The cylinder will reheat automatically as hot water is being used, heating back up to the set point.

Vacation Mode

The cylinder automatically shuts down when you're away and powers back up the day before your return to have hot water ready when you get home.

Functions & Protections

A. Electrical leakage protection

The control system of this machine features an electricity leakage protection function.

B. 3-minutes protection

When starting the machine after electricity input, the system will start after approximately 3 minutes, which is considered to be normal.

C. 10-minutes protection

When restarting the machine immediately after shutdown, the system goes into the protection mode and starts after approximately 10 minutes, which is considered to be normal.

D. Automatic defrosting function

The defrosting mode is automatically activated if the outdoor temperature is too low and after the compressor already runs continuously for a certain period.

E. Overload protection

The working load of the compressor will be heavy if temperature is high in summer. In order to meet hot water requirements of users and to lengthen service life of the compressor, this product automatically adjusts the fan speed to ensure reliable operation of the compressor.

F. Anti-freezing function

The heat pump starts heating to avoid freezing of the water tank if the temperature in the water tank is too low.

G. The default temperature setting is 55°C.

Hot Water Cylinders Air Sourced Cylinders

Floor Mounted Cylinders

Wall Mounted

1-2 Bed 80 L Cylinder **Sound Pressure Level (@1m):** 36dB

2-3 Bed 150 L Cylinder **Sound Pressure Level (@1m):** 36dB

Vent Location: Under The Wall

Floor Mounted

3-4 Bed 200 L Cylinder **Sound Pressure Level (@1m):** 41dB

4-5 Bed 250 L Cylinder **Sound Pressure Level (@1m):** 42dB

Vent Location: On Top

Description Of The Pictograms

Power ON/OFF switch

Working mode selection

Confirm button

Timer adjust

BOOST

Boost mode. Heat pump and auxiliary power are activated at the same time.

Auto mode

Optimised management of the heat pump and the electrics for guaranteed comfort;

- Prior using heat pump;
- If compressor works more than the default 8 hours , start the auxiliary power;
- The compressor maximum continuous working time (m H
 m R) can be adjust in the installer settings.

ECO (off-peak) mode

- In this mode ,priority using heat pump;
- In two ways using heat pump, should set in the installer settings;
- 1. If compressor works more than the default 8 hours , start the auxiliary power;
- 2. The compressor maximum continuous working time can be adjust in the installer settings.

Holiday Mode

- According to the vacation dates in advance to prepare hot water;
- For example, you leave home for vacation on January 1st and return home on January 5th. The date shall be set as (5-1) =4 days, and corresponding temperature shall also be set.
- The heat pump will start heating on 00:00 o'clock of January 4th automatically.

Anti-legionella

Anti-legionella function will be activated every 7 days to heat the tank to 65°C automatically.

Hot water volume display

Installer Settings

To open the installer settings, press \bigcirc switch off the system, then press + and SET at the same time for 10 seconds.

- - When menu is open, press or to change the value of the settings.

Press **SET** to confirm the settings.

Press () to close the menu.

Hot Water Cylinders - Cylinder Functionality

Hot Water Cylinders - Set Off-Peak/Time Settings

Press the 🕛 button to switch the cylinder on.

Press the 'MODE' button to change to ECO.

Press the 'SET' button and L1 will appear and start.

Hot Water Cylinders - Set Off-Peak/Time Settings

Set the start time using the '+'& '-'buttons, then press set.

Select stop time using the '+'& '-'buttons, then press set.

L2 will appear, you can set another start & stop time the same way .

Leave on ECO to run your heat up time schedule.

FAQS Frequently Asked Questions

Air Sourced Hot Water Cylinder

What are the different modes on the cylinder and what do they do?

The function modes are:

AUTO – In auto mode the unit heats the hot water as and when needed. The unit has a 10°C differential so once the cylinder has dropped 10°C from the desired set point temperature the unit will automatically heat back up (RECOMMENDED)

ECO – The unit will heat up based on a maximum of 2 set time schedules outside of these the unit will not reheat.

VAC - Vacation mode, the unit will remain idle for a set amount of days while on holiday etc..

How long does it take to heat a tank of hot water?

It takes approximately 51/2 hrs to heat a full tank of hot water although if hot water is needed quicker you can press the BOOST function and this will recuperate in approximately 2 - 21/2 hrs but this will consume 2Kw per hour instead of 0.5Kw per hour.

How many baths/showers will a 200l cylinder give me?

The 2001 cylinder will give an estimated 21/2 x baths or 5 x showers per full tank of Hot water.

Up Next Controlling Your Energy Usage

Solar Systems Introduction

Solar power is a great way of getting free energy for your home this uses the power of the sun to generate free electricity for the home. When combined with battery storage this is a very good way of reducing your energy bills. The Solar power that is not being used is then stored in the battery storage to be used when you need it enabling you to store free energy.

Benefits

Reliable Low Light Performance

Our panels thrive even in cloudy or foggy conditions, ensuring consistent power output and uninterupted energy production.

Reduce Energy Bills

Lower your energy bills and decrease your carbon footprint by generating clean, renewable electricity for your home.

Long Lasting Warranty

With a 30-year warranty, our panels deliver enhanced power generation and sustained efficiency throughout their lifespan.

Battery Storage Off-Peak Battery Storage

Off-Peak Energy Capabilities

Be smart with your energy usage and take advantage of electricity when it's at its cheapest. Store electricity during off-peak tariff times.

Upgrade Your Solar

Enhance your solar system even further and utilise being able to store both off-peak energy and solar energy.

10-Year Warranty

Benefit From Peace Of Mind With A 10-Year Warranty and be smart with your energy usage for longer with our Battery Storage Systems.

Login

Open SolaxCloud APP and click the upper left icon, select language in the list. Open the SolaxCloud APP and fill in your login account (or Email) and password to login. It will be directly log in your account next time if you tick the Remember password. Click the Forgot password to reset password by your E-mail.

Site Overview

The default site information is shown after the end user logs in. The power and energy data displayed on this page is a synthesis of all the chosen inverter data contained in this site.

A - Site list and Site name.

B - Overall power information: display inverter power, PV power, and grid power in the site. "Inverter grid/load" power is positive value; "grid/load inverter" power is negative value. Overall yield information: display daily yield, monthly yield, and total yield in the site.

C - System flow. It shows system operation and energy flow direction. Click the icons to show more details: Solar icon and PV power in the yellow circle. Click to show system size of the site; Battery icon and battery SOC in the green circle. Click to show battery list of the site; Inverter icon and AC power in the orange circle. Click to show inverter list of the site; Grid icon and grid power in the blue circle. Click to show feed-in and consumed energy of the site; Load icon and load power in the purple circle. Click to show load consumption energy of the site.

D - Click the Graphics button to show the data graphics of site. Graphics include power CÜRVe and energy bar graphs. Power CÜRVe include daily PV power (default), AC power (default), load power (Click to display), grid power (Click to display), and off-grid power (Click to display). Yield and consumed bar graphs include feed-in energy, self-use energy, consume energy, and off-grid energy. You can Click to set it to display monthly or yearly. Note: Grid power, load power, feed-in energy, and consume energy data are only available for systems with SolaX meters installed.

E - Contributions and benefits. Note: Set your electricity price on www.solaxcloud.com to start to count the income & saved.

Site List

Click the site list button at the upper left corner of site page to check site list. You can choose site or add site on this page.

A - Site list button.

B - Site list with brief information: Site name, system size, and online inverter numbers. Click to jump to overview interface of the corresponding site.

C - Add site button: click to add a new site in this account.

Site Graphics

Click the Graphics button to view the site's graphics. Then click the power CÜRVe or energy bar graphs to check the data.

A - Graphics button.

B - Site's power CÜRVe. Power CÜRVe include daily PV power (default), AC power (default), load power (click to display), grid power (click to display), and off-grid power (click to display). Note: Grid power and load power data are only available for systems with SolaX meter installed.

C - Site's yield and consumed bar graphs. Yield and consumed bar graphs include feed-in energy, self-use energy, consume energy, and off-grid energy. You can click to set it to display monthly or yearly. Note: Feed-in energy and consume energy data are only available for systems with SolaX meter installed.

Inverter In The Site

Click the In verter icon (orange) in the system flow of site page to enter site's inverter list. It shows all the inverters in this site, and reveals registration no., daily yield, power and battery SOC of each inverter.

CLick the icon to add new inverter in this site, and click an item in the list to enter the Inverter graphics page.

	nverter list 🛛 A 🕀
Q. Inverter SN	
H34M15G100100	п 🔊 в с 🍥
Registration No.	SWY6ZSKPDL
Daily Yield	0.00kWh
Power	0.00W
Battery	98.0%
Site name	whz@solaxpower.com site
User name	whz@solaxpower.com
X34M15H100100	n a D
Registration No.	SWY6ZSKPDL
Daily Yield	0.00kWh
Power	0.00W
Battery	43.0%
Site name	whz@solaxpower.com site
User name	whz@solaxpower.com
H3G415H102900	5 5)
110041011102200	
Registration No.	SGURFFUZWZ
Registration No. Daily Yield	SGURFFUZWZ 0.00kWh

Inverters List

Click the Inverter in the navigation bar to check inverter list. It shows all inverters in the account. You can add inverter and enter remote setting function on this page.

- A Add inverter: click to add inverter in a site.
- B Online Status: divided into and .
- C Remote setting.

D - Inverter information: display inverter SN, registration No., daily yield, power, battery SOC, site name, and user name. Click to jump in to inverter graphics.

Battery Storage - How To Set Date & Time

- **1**. Select the inverter.
- 2. Select Settings tab.
- 3. Select 'Settings'.
- 4. Enter passcode 0000.
- 5. Select 'Date Time'.
- 6. Select the date & time then click 'Save'.

6

Battery Storage - How To Set Force Charge Setting

- 1. Select the inverter.
- 2. Select Settings tab.
- 3. Select 'Settings'.
- 4. Enter passcode 0000.
- 5. Select 'Self-Use'.
- 6. Select 'Charge From Grid' & click 'Enable' then click 'Save'.
- 7. Select & enter charge and discharge times & click 'Save'.

	User settings H4S02A/6098185		<	User settings H4502A/6098185	
late Time		~	Date Time		
inguage		~	Language		
H-gridMute		~	Off-gridMute		
FUse		~	Self Use		
(in Soc (%)			Feed-in Priorit	Y	
10		Sava	Backup Mode		
Charge from g	nd		Chrg&Dischrg	Period	
Enable		Save	Forced Char	ge Period Start Time	
harge battery	to (%)		02:00		G
00		Save	Forced Char	ge Period End Time	
id-in Priority		~	05:00		
kup Mode			Allowed Dis	c Period Start Time	
- g&Dischrg Pe	riod	~	00.00		0
Contact			Allowed Dis	c Period End Time	
er Password			23:59		(
				Chro&Dischro Period2	

Troubleshooting Common Problems & Solutions

Elegance Range Infrared Heating

Issue	Action
Heater not heating correctly	 1.Check Eco mode is set to high on the app or 3 on the thermostat. 2. Check the surface temperature setting in the menu on the app (passcode:123456) this should be between 70 and 90°C
Heater pairing to Stat	See video tutorial Pairing Stat to Infrared Heater
Heater Pairing to the App	See video tutorial Pairing Infrared Heater to Curv Smart App
Cannot pair heater to the app	Chech that device has the hotspot switched on and that it is set to automatically join.
Heater will not heat up	Switch unit to bypass if the unit still will not heat up replacement heater is required
Heating timer not coming on	Make sure the timer button is selected on the app

Air Sourced Hot Water Cylinder

Issue	Action
Need to speed up hot water recovery	Activate the Boost function on the Cylinder
Cylinder discharging water into tundish	Call Engineer
Hot water taking longer than 6hrs to recover	Check the incoming and outgoing filters for blockage

Link to tutorial videos: https://www.youtube.com/@project_curv_

FAQS Frequently Asked Questions

Elegance Range Infrared Heating

How often do I have to service my Infrared Heaters?

Never, the Infrared Heaters do not need servicing and come with a 15 year warranty.

I have a child, what temperature do the Heating Panels reach?

As standard the surface temperature are limited to 75°C which is similar to a traditional radiator. This can be raised or lowered via the app to prevent accidents.

How do I maximise the efficiency of Infrared Heating Panels?

Schedule your usage using the climatic zone control feature. Using this features, you only heat the rooms you need to, when you need to, automatically. Using cheaper energy saved in your battery storage or directly from your solar can also lower the running cost of your infrared heating.

How do Infrared Heating Panels work?

Infrared Heating Panels work by emitting infrared radiation, which directly heats objects and people in the room rather than heating the air. This type of heating is similar to how the sun warms the Earth. The panels can be mounted on walls or ceilings (aluminium range only), providing efficient and targeted warmth.

Air Sourced Hot Water Cylinder

What is an Air Source Hot Water Cylinder?

It is an Unvented cylinder whose primary heat source is a built in Air Sourced Heat Pump, instead of an immersion heater (Direct Unvented) or a boiler coil (Indirect Unvented). An Air Sourced Heat Pump takes air from outside and removes the heat from it, heating the water.

Where does the air for the Air Sourced Heat Pump come from?

The intake may be taken from inside the home (we recommend a non-lived-in space such as garage or attic) The exhaust is terminated outside via a sofit or wall vent.

What happens when the weather is very cold outside?

The cylinder also has a 1.5kWh immersion heater which can be used to boost the water temperature. This also happens regularly to kill legionella bacteria within the tank.

What if the water in my area is hard?

The cylinder has a built in softening system, using 2 sacrificial magnesium anodes. These need to be checked every 2-3 years dependant on water hardness

What if nobody is in the building for an extended period of time?

The cylinder has a Holiday function which limits energy usage for medium term downtime.

How often does my Cylinder need servicing?

We reccomend that the G3 kit (Small white vessel outside of the cylinder), is serviced every year to ensure safety and efficiency. The sacrificual anodes need to be checked every 2-3 years dependent on water hardness.

FAQS Frequently Asked Questions

Battery Storage System

What is the refresh time of the data on the cloud for my Battery System?

The refresh time is 5 mins. With the latest Pocket 4.0 dongle having a refresh time for the energy flow chart of 10 seconds.

What is the duration of local historical data storage for my Battery System?

14 days on pocket wifi systems

Can I add more storage to my Battery System?

Yes, dependent on the current size of the battery system & inverter - please contact enquiries@projectCÜRV.co.uk for more information.

What happens to my Battery Storage if it gets cold outside?

To protect the batter from the cold, a high efficiency 160W heater is turned on to protect the efficiency of the battery in extreme conditions.

Where does the excess PV energy goes if it cannot go into the Battery?

If you disable - export control, excess energy will be injected into the grid. If you enable 0 export control, the inverter will limit the generation power.

To Setup Your Solax Cloud App For The First Time

The Future Is Net Zero Emission Eco-Friendly Homes

Net Zero Emissions is a government commitment and will impact hugely how we live. Energy efficient heating, hot water and storage systems, green energy sources, and smart technology will eventually power all our homes.

www.projectCÜRV.co.uk

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