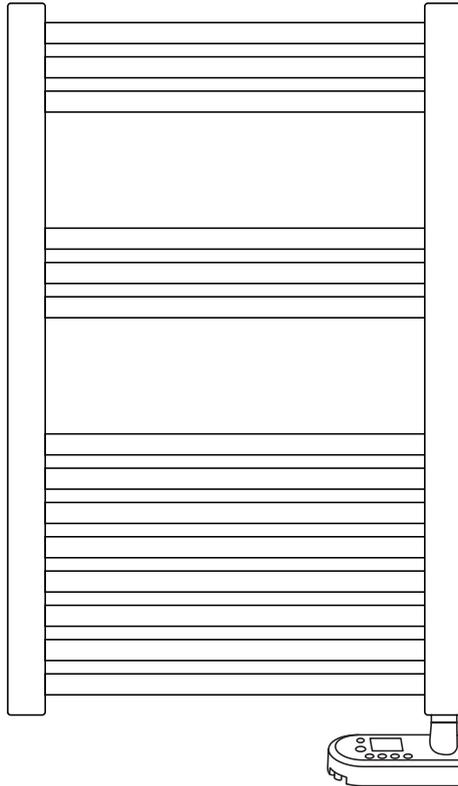


ducasa

Colorado DGi+ Towel rail



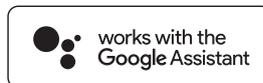
Models:

Colorado DGi+ 450

Colorado DGi+ 750



Amazon Alexa and Google Home compatible



NOTE

A qualified electrician must carry out the electrical installation of this towel rail. The electrical installation must comply with current UK regulations. Any claim on the warranty could be invalid if these requirements have not been met.

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IMPORTANT INFORMATION

- Caution: parts of this product may become very hot and cause burns. Extra care should be taken if children and vulnerable people are present.
- Children under 3 years of age should be kept away from this appliance unless they are under continuous supervision.
- Children aged between 3 and 8 years old must only switch the appliance ON or OFF, provided that the appliance has been placed or installed in a normal position and that these children have or have been instructed to use the device safely and understand the potential hazards.
- Children between 3 and 8 years old should not plug in, adjust, clean, or carry out user maintenance.
- This device can be used by children at least 8 years of age and by persons with reduced physical, sensory or mental abilities or no experience or knowledge, if they are properly supervised or if instructions for the safe use of the device have been given to them and the risks involved have been addressed.
- Children should not play with the device.
- Cleaning and user maintenance should not be performed by unattended children.
- To avoid danger to very young children, it is recommended to install this towel heater so that the lowest heating bar is at least 600 mm above the floor.
- This appliance must only be installed according to this installation manual and must be installed by an authorized person.
- If the power cable is damaged, it must be replaced by the manufacturer, its after-sales service or similarly qualified persons in order to avoid a hazard.
- All work on the electrical parts must be carried out by a qualified professional.
- A power management system or power failure device is not compatible with our devices. If one is used it will damage the Colorado DGi+ thermostat and will invalidate your warranty.
- For safety reasons, it is strictly forbidden to refill the towel rails. If necessary, contact the manufacturer's after-sales service or a qualified professional.
- To ensure proper operation and avoid overheating, the electronic controller must not be covered by a towel or a bathrobe.
- Before servicing the towel rail, turn it off and let it cool down. Never use abrasives and solvents.
- The towel rail is filled with a heat transfer fluid dangerous to health if swallowed. In the event of a leak, contact your installer and take any precautionary measures to prevent any ingestion of fluid by users, especially young children and vulnerable persons.

TECHNICAL DATA

MODEL	Power (W)	Dimensions (mm) WxHxD	Net Weight (kg)
Colorado DGi+ 450	450	500 x 1020 x 70	13
Colorado DGi+ 750	750	500 x 1400 x 70	18

GENERAL INFORMATION

Colorado DGi+ is manufactured in steel, with a white finish. It is simple to fit and maintenance-free.

Fast to heat up and fully programmable either directly into the towel rail or by using the **smartcommand[™]**

Tevolve. App.

- Designed and fabricated in accordance with EN 60335-1, EN 60335-2- 43 and EN 55014 (regulations for domestic appliances)
- Standard colour White (RAL 9010)
- Class II and IP44 Rated
- 220-240V A.C.
- Wall mounted
- Forced function button (BOOST): operation for a specified time
- Large TFT display.
- CR2032 lithium battery for time retention

CONTROL OPTIONS

The towel rail is designed to be used in conjunction with the **smartcommand[™]** *Tevolve*. system and App, providing total control of your heating system from anywhere in the world via the internet. The App is available for both Android and iOS devices and offers the ultimate in control and energy monitoring.

**Search for “Tevolve” on the either the Google Play Store or the Apple App Store.
Scan this QR code to access to the download.**

It is also possible to programme each towel rail individually without the App by using the built in controls and screen. This may be convenient for single heaters however we recommend the **smartcommand[™]** *Tevolve*. Gateway to control multiple heaters.



The Colorado DGi+ is also compatible with Amazon Alexa and Google Home via the **smartcommand[™]** *Tevolve*. System and App.

For instructions on how to link them, visit <https://ducasa.co.uk/smartcommand/voicecontrol>

ELECTRICAL POWER SUPPLY

A qualified electrician must carry out the electrical installation of this towel rail. The electrical installation must comply with current regulations. Any claim on the warranty could be invalid if these requirements have not been met.

The towel rail requires a 220-240V, 50Hz power supply.

Connecting wires:

- Brown: Live
- Blue (or grey): Neutral

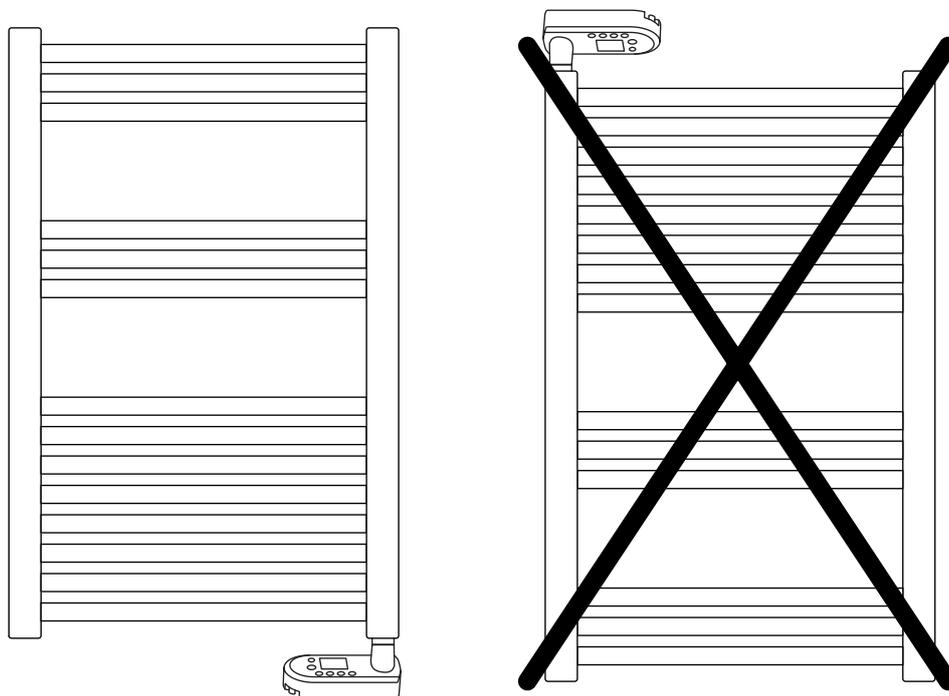
NOTE: The towel rail does not require an earth wire.

The connecting wires must be of the appropriate section, in regards to the length of cable, type of cable and power rating of the towel rail.

The towel rail must be connected into a connecting box. According to regulations, the towel rail must be connected to the power supply by means of an all-pole circuit breaker with a contact gap of at least 3mm or by a thermal-magnetic circuit breaker.

INSTALLATION INSTRUCTIONS

ATTENTION!
ENSURE THE CORRECT ORIENTATION OF
TOWEL RAIL BEFORE INSTALLATION



LOCATION OF THE TOWEL RAIL

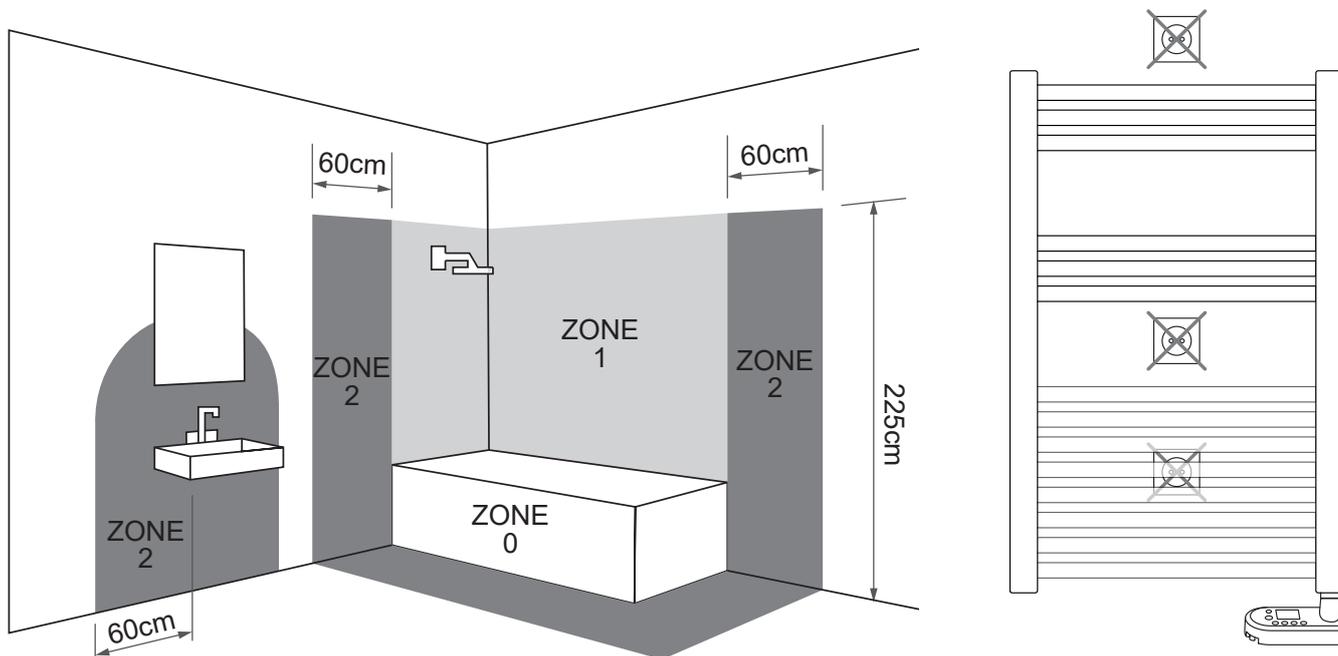
It is essential to mount the towel rail with the control box on the lower right hand side.

To avoid risks this appliance must be installed with the lowest heated rail at least 600mm above the floor.

In bathrooms, the towel rail must never be installed in such a way that the switches and other control devices can be touched by a person in the bathtub or shower.

This product is rated as IP44 and can be located in zone 2, the area stretching 60cm outside the perimeter of the bath and to a height of 2.25m from the floor. If you are in doubt please contact a qualified electrician for advice.

The towel rail under no circumstances, should be installed below an electric power point.



COMPONENTS

The components for fastening the towel rail to a wall are supplied in a bag together with the appliance. There are four support assemblies, each consisting of the following components:

- (A) 1 plastic tube $\varnothing 28 \times 65\text{mm}$ + screw M5
- (B) 1 plastic tube $\varnothing 20 \times 55\text{mm}$ with threaded inserts
- (C) 1 screw M6
- (D) 1 plastic retainer (conic 15°)
- (E) 1 plastic cap
- (F) 1 screw $\varnothing 3 \times 10\text{mm}$
- (G) 1 screw $\varnothing 6 \times 50\text{mm}$
- (H) 1 nylon stopper $\varnothing 10\text{mm}$

MOUNTING

The towel rail is fixed to the wall by four support assemblies. Two support assemblies should be positioned between the 2nd and 3rd horizontal tubes from the top and two between the 2nd and 3rd horizontal tubes from the bottom.

STEP 1

First, the 4 supports are placed on the towel rail, take a piece (B), fix the piece (D) with the screw (C) and insert it between two tubes from the front, taking care that the conical part of parts (B) and (D) faces inside the appliance. Repeat this in all four support positions.

STEP 2

Once the brackets are attached to the appliance, check their position and mark the 4 support points on the wall. Drill the holes in the wall and insert the plug (H).

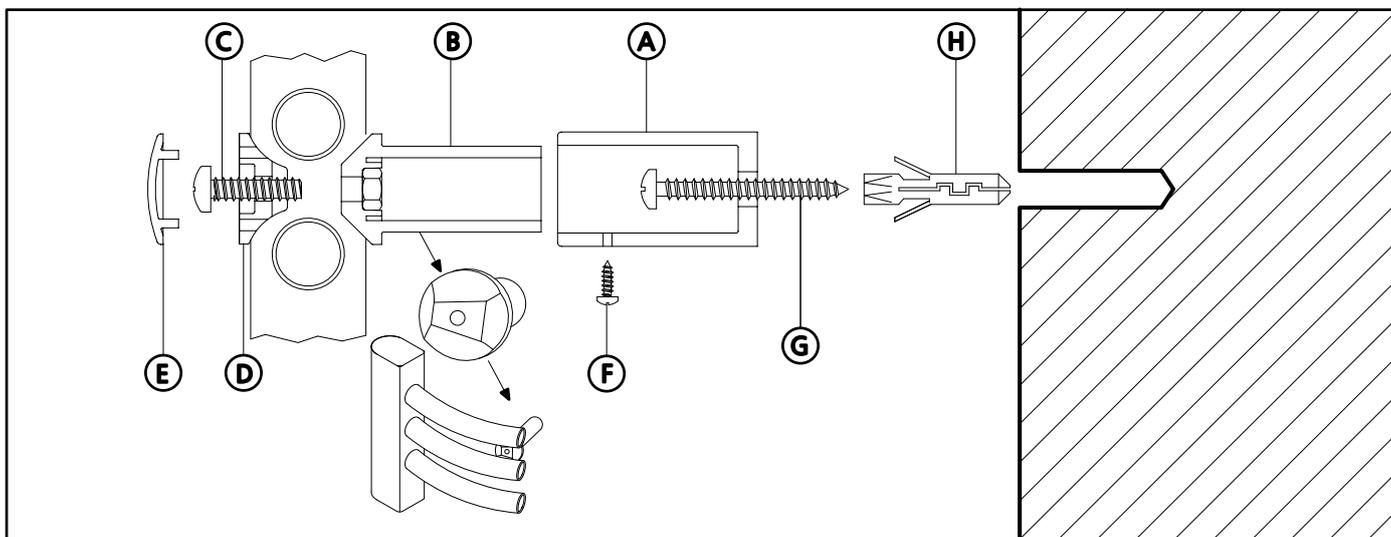
STEP 3

We take part (A), insert the screw (G) and fix it on the wall plug. Insert part (B) into part (A) and fit the screws (F), do not tighten them.

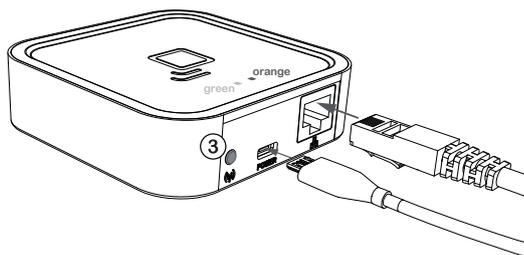
STEP 4

Once all the supports are in place, place the covers (E) on the piece (D).

Check that the towel rail is in a perfectly vertical position and tighten the screws (F).

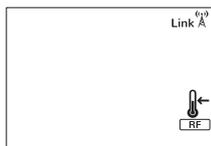


If you don't have the access to the **smartcommand** *Tevo*lve. App or are unable to pair using the method above, press the Link button on the Gateway (3) for 3 seconds.



Once the orange LED starts to flash, press the CONFIG button on the Colorado DGi+ and press the +/- button until the RF icon flashes. Then press OK

'Link' together with an antenna icon will appear in the top right of the screen.



Your Colorado DGi+ is now connected to the **smartcommand** *Tevo*lve. Gateway.

Please Note: Once the **smartcommand** *Tevo*lve. Gateway's link button is pressed you have one minute to add a heater. When the heater has been added, you have one minute to add a further heater without pressing button (3)

USING WITHOUT SMARTCOMMAND TEVOOLVE APP

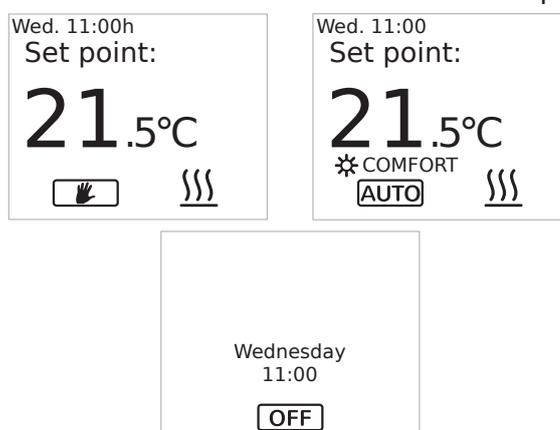
USING IN OPERATING MODES

To assist with the operation of the Colorado DGi+, the TFT screen is backlit and will stay illuminated for approximately 10 seconds after the last button is pressed. (To change the backlight duration, see the section on DISPLAY)

When the towel rail is operational and the room temperature is lower than the set temperature the heating symbol will be shown indicating that the towel rail is producing heat.

The following screens show **MANUAL**, **AUTO** and **OFF** modes.

To scroll between **MANUAL** and **AUTO** press



Mode/OK button.

To enter and exit **OFF** mode press the **ON/OFF** button. When **OFF** mode is exited, it returns to the mode used prior to entering **OFF** mode.

When the towel rail is in **MANUAL** mode the temperature can be adjusted by pressing the +/- button. The towel rail will regulate the room to the chosen set temperature.

When the towel rail is in **AUTO** mode the temperature can be adjusted by pressing the +/- buttons. This change will remain active until either the next programme change or until midnight when the temperature will revert to the preset value.

When the temperature has been adjusted in



AUTO mode a hand will show beside the auto to symbol to show the amended set-point.

To return to AUTO mode press the **Mode/OK** button.

NOTE: To rapidly change the temperature set-point in any mode press and hold the +/- button.

GEOLOCATION

This mode allows your **smartcommand** *Tevo*lve. system to reduce the set temperature by a number of degrees that is configured for each device from the App when you are away from home. The default is 2 degrees.

Geolocation is activated from the **smartcommand** *Tevo*lve. App within the Homes setting. If activated, all connected **smartcommand** *Tevo*lve. devices in the house will use this feature and AWAY will be shown on the Colorado DGi+ display.

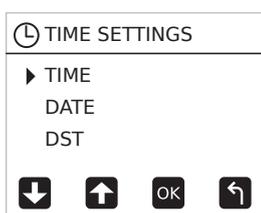
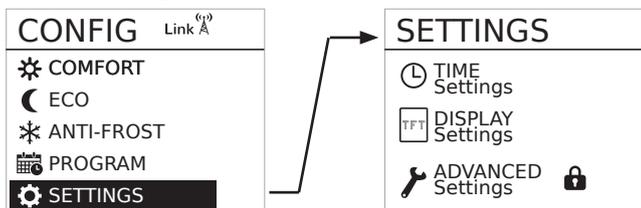
If any button is pressed on any connected **smartcommand** *Tevo*lve. device, all **smartcommand** *Tevo*lve. devices in the house will exit Geolocation mode for 2 hours, unless it's turned back on again.



SETTING THE TIME AND DATE

If you have paired the towel rail to a **smartcommand** Tevolve Gateway then the time is automatically updated.

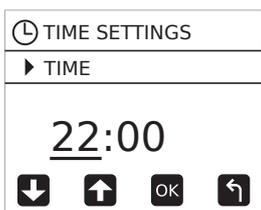
To set the Clock on an unpaired Towel rail, press and hold the CONFIG button until the CONFIG menu is shown and then select SETTINGS using the +/- button, press **Mode/OK** and then select TIME Settings using the +/- button and press **Mode/OK** again.



In the TIME menu the Time, Date and Daylight Savings (DST) can be set. These can be adjusted by pressing the +/- button and then pressing the Mode/OK button.

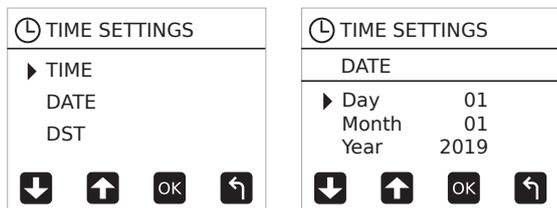
Select TIME and press **Mode/OK**.

The current set time is shown on the display, to change the time move the underline to the hours using the +/- button and press **Mode/OK**.



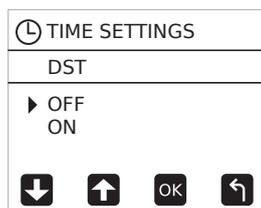
The hours will flash, use the +/- button to adjust to the correct value and press **Mode/OK**, then move to the minutes using +/- button and repeat to set the correct time. Once complete press the CONFIG button to exit.

To set the Date select the Date function, press **Mode/OK** and enter the Day, Month and Year, using the method used for setting the time.



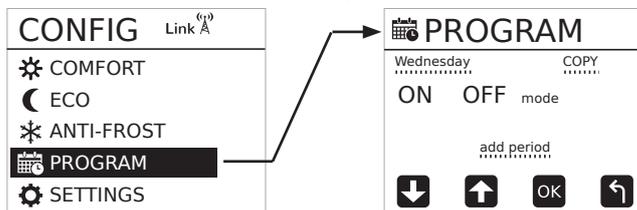
To exit the Date function, press the CONFIG button.

To turn Daylight savings on or off, select the DST function from within the time settings and then use the +/- button to cycle the function ON or OFF. Press Mode/OK to confirm



ENTERING A PROGRAM

The AUTO mode of the towel rail allows you to run a program designed to accommodate your lifestyle. To enter a new program into the towel rail press and hold the CONFIG button until the CONFIG menu appears, then use the +/- buttons to select PROGRAM and press **Mode/OK**.



To enter a program into the towel rail first select the day of the week in the upper left corner of the programming screen by using the +/- button and press **Mode/OK**, change the day to the day you want to program using +/- button and press **Mode/OK**.



Once the correct day is selected, select "add period" using the +/- button and press **Mode/OK**. The underline will change to a box around the times that can be changed.

Press **Mode/OK** and the ON time will begin to flash.



Change the ON time to when you want the towel rail to begin heating (7:00 in our example), press **Mode/OK** and the OFF time starts to flash. Change the OFF time to when you want the towel rail to stop heating (e.g:12:00).

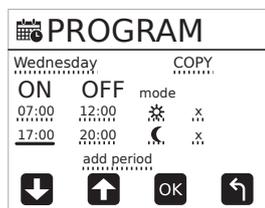


Once the times have been entered, choose the temperature required for the heating period either Comfort ☀ or Economy ☾. Select using +/- button and confirm with **Mode/OK**.

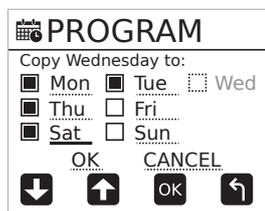
Any time periods outside of Comfort or Economy are automatically set to Anti-Frost ❄.

To set the Comfort, Economy and Anti-Frost temperatures refer to the section called **set program temperatures**

Once the period has been created choose either "OK" to save or "x" to delete using the +/- button and press **Mode/OK**. Extra heating times can be added by selecting "add period" using +/- button and repeating the above procedure.



Once the program for the day is complete, it can be copied to other days in the week by selecting COPY from the programming screen. To do this use the +/- button to select "COPY" and then **Mode/OK** to confirm.



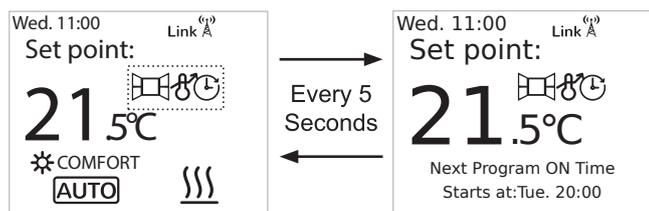
The copy screen will appear and the day that is being copied from will not be available. (Wednesday in the example.)

Select the days to copy using +/- button to highlight a day and then **Mode/OK** to select it. Once you are happy with the selection use +/- button to highlight "OK" and press **Mode/OK**.

The screen will change back to the program menu.

To Exit press CONFIG and the screen will revert to the current mode of operation (MANUAL or AUTO).

To make sure your program is running Press the **Mode/OK** button until **AUTO** is shown at the bottom of the screen.



The screen will alternate between the current programmed temperature mode and the next programmed Comfort/Economy ON time.

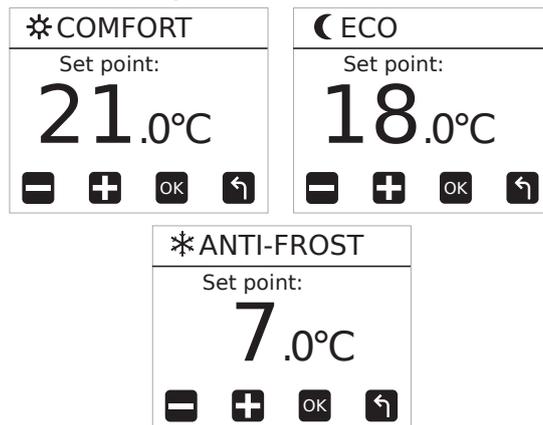
At any time, the temperature can be temporarily overridden using the +/- buttons. At the next programmed mode change or midnight whichever is soonest, the radiator will return to the programmed temperature

SET PROGRAM TEMPERATURES

To adjust the temperatures used in AUTO mode, press and hold the CONFIG button until the following screen appears:



Select either Comfort, Eco or Anti-Frost by using the +/- button and press **Mode/OK** to enter the adjustment setting.



Press the +/- button to change the temperature and then press Mode/OK to confirm and return to the CONFIG screen. Repeat the above process for the other program temperatures.

BOOST

The towel rail has a Boost mode that allows the user to temporarily override the current operating mode. The Boost button will immediately turn on the towel rail for 1 hour at 2°C warmer than room temperature.

To adjust the BOOST temperature, use the +/- buttons.



To adjust the duration, press the CONFIG button, the BOOST time setting screen will be displayed; set the required time between 1 hour and 24 hours using the +/- buttons. To return to the BOOST screen press the CONFIG button.

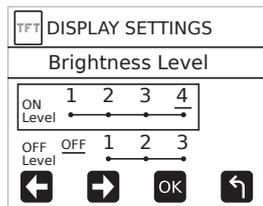
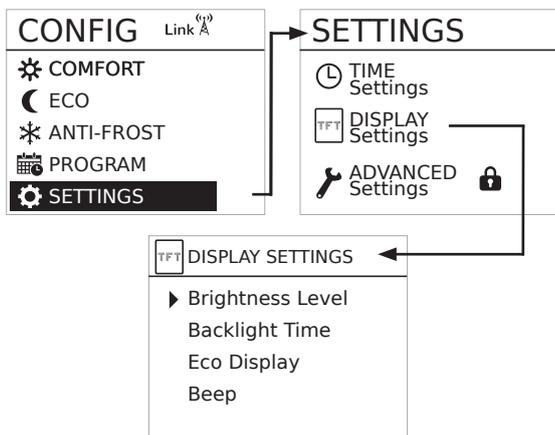
You can quickly adjust the duration with the BOOST button . Each press will increase the duration of BOOST mode by 1h. To return to the previous mode and cancel the Boost mode, press the **Mode/OK** button.

The first press of any button will wake up the towel rail any further button presses will activate the function required.

DISPLAY SETTINGS

The DISPLAY menu on the towel rail allows the user to customise how the towel rail looks whilst the screen is on and off, it also allows the button sound to be controlled.

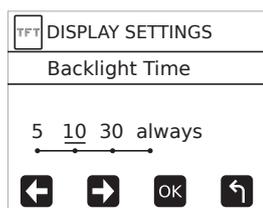
To open the DISPLAY menu, press and hold CONFIG until the CONFIG menu appears, select SETTINGS using +/- button and press **Mode/OK**, finally select DISPLAY using +/- button and press **Mode/OK**.



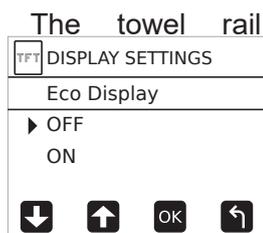
To adjust the brightness of the screen, select Brightness level and press **Mode/OK**.

The ON levels are between 1=25%, 2=50%, 3=75% & 4=100%.

The OFF levels are Off, 1=3%, 2=10% and 3=20%. Chose the level required and press **Mode/OK**.

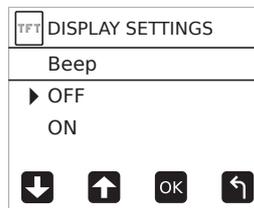


To set the time the screen stays on for after the last button press, select Backlight Time using +/- button from the DISPLAY menu and chose how many seconds are required. Confirm with **Mode/OK**. The factory default is 10s.



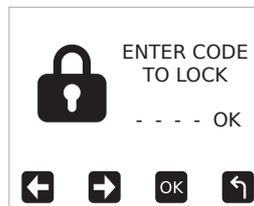
The towel rail features a “responsible consumption” Eco Display mode, this mode will show a coloured bar across the bottom of the screen to encourage the user to set an economical temperature.

This feature is turned on and off in the ECO DISPLAY menu.

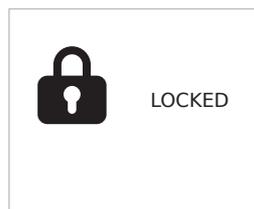


To de-activate the beep when each key is pressed enter the BEEP menu and select either On or Off, using the +/- button and then press **Mode/OK** to confirm

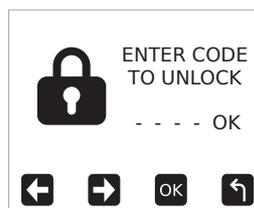
KEYPAD LOCKING (ANTI-TAMPER)



The keypad can be locked to prevent any unauthorised person (children, people in public places, nurseries, offices, hotels etc.) altering the settings of the towel rail.



A Password is required to lock the keypad (0 0 0 0 by default), See Password Settings section for further details on changing passwords.



To Lock the towel rail Press and hold the +/- buttons until the lock screen appears. Enter the password on the screen using +/- buttons followed by **Mode/OK**.

The screen will change to show the Lock screen and any button presses will be ignored and the locked screen displayed.

To unlock the keypad press and hold the +/- until the unlock screen appears. Enter the password using the +/- buttons and then press **Mode/OK**. If the incorrect password is entered “INVALID CODE” will be displayed.

When the keypad is locked the towel rail will still receive communications from the **smartcommand** Tevlve Gateway.

ADVANCED SETTINGS



The Advanced settings menu is password protected to prevent any inadvertent changes to the factory settings.

To access the Advanced settings first press Mode/OK until the CONFIG menu appears, then press +/- until SETTINGS is highlighted and press Mode/OK.

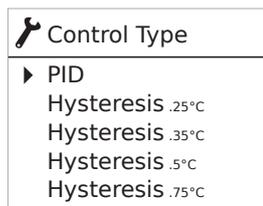
Next press +/- until ADVANCED settings is highlighted and then press Mode/OK, then enter the password (default 0 0 0 0).

Use the +/- buttons to highlight the setting you want to adjust and Mode/OK to enter.

The advanced settings are listed below:

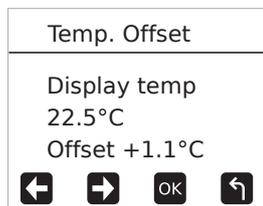


The units menu allows the main temperature units of the towel rail to be chosen between Celsius (°C) and Fahrenheit (°F). Change using +/- buttons and confirm with **Mode/OK**.



This setting shows the type of thermostat accuracy currently being used. There are 6 types of control. To change the thermostat accuracy use the +/- button

to highlight and confirm using the **Mode/OK** button.



This setting is used to balance two radiators in the same room or to sync the Colorado DGi+ with a thermostat.

The compensation can be adjusted by +/- 3°C and is adjusted in 0.1°C increments. Use +/- buttons to change the Offset value, which will automatically be applied to the Display temperature. Once you have applied your Offset value press **Mode/OK** button to confirm.



In order to save energy, if a window opens and causes a sudden drop in temperature the towel rail will stop heating. If the towel rail is heating, it will be disconnected for 30 minutes and shows the Open Window icon on the display.

The towel rail will restore normal function in any of these situations:

- After 30 minutes
- If the temperature increases by 0.2°C for 1 minute from the point of activation.
- Pressing any key on the Heater

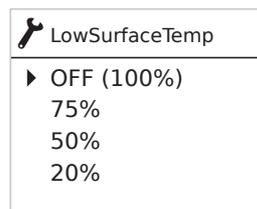
By default, open window detection is turned off. Use +/- button to select ON or OFF and then press **Mode/OK** to save your change.



With this feature activated the towel rail will learn what time it should switch on to achieve the required room temperature at your programmed time. The towel rail will monitor the room temperature over a rolling 10 day period to establish how quickly the room reaches temperature and uses this information to switch the towel rail on at



the correct time.. To turn on/off use the +/- buttons and confirm with **Mode/OK**.



The Low Surface Temperature (LST) menu will allow the output of the heater to be limited to a lower setting to prevent the surface of the heater becoming too hot.

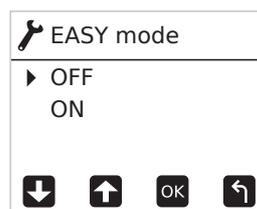
It is recommended that if the LST function is activated then the towel rail should be locked with a non-standard password after activation to



prevent the function being turned off.

(See Password Section for details on changing the factory default password).

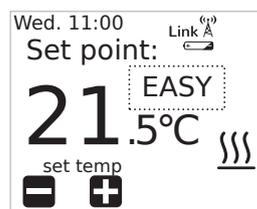
To cycle between the different outputs use the +/- buttons and confirm the selection with **Mode/OK**.



EASY Mode is a simple mode of operation where only the +/- buttons on the towel rail operate to increase or decrease the temperature. The **Mode/OK** button is de-activated.

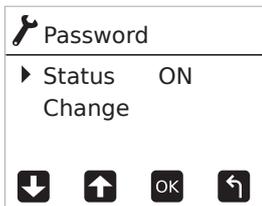
When running in Easy mode the screen will show EASY in the notification area to let the user know that the mode is active.

To exit EASY mode press and hold the CONFIG button for 10 seconds, then select "off", using the +/- button and confirm by pressing **Mode/OK**.





Runback: See Runback Section on page 14



Password: See Password Section on page 14



Resetting the towel rail will return all settings to the factory defaults and will also delete any 'pairing' with a Gateway.

To activate the RESET feature select "OK" using the +/- buttons and then press the **Mode/OK** button to confirm.

i The first press of any button will wake up the towel rail any further button presses will activate the function required.

PASSWORD

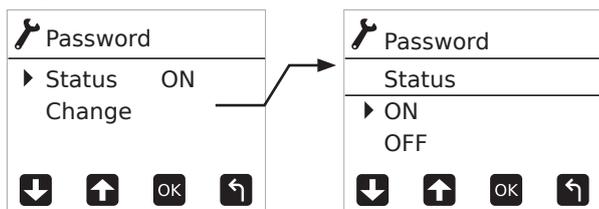
The Password Function of the towel rail serves a number of functions; Keylock, Advanced menu access and also Runback access when the Runback is activated. The Default password from the factory is four zero's (0 0 0 0), however it is **strongly recommended** that once installation is complete that an alternative code is set.

To access the password function enter the **ADVANCED SETTINGS** menu (see above) and then select **PASSWORD**.

The password can be turned on or off and changed.

To turn the password on or off, select Status using +/- buttons and press **Mode/OK**.

Select either "ON" or "OFF" using +/- buttons and press **Mode/OK**.

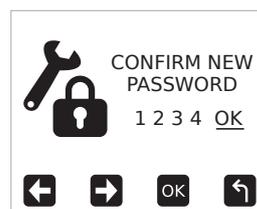
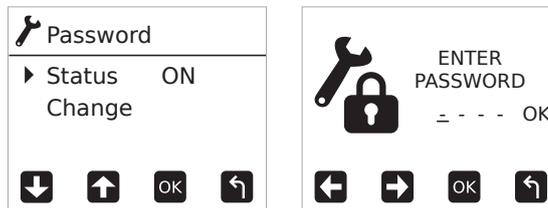


If you are reactivating the password then the Enter New password screen is shown (The password will always default back to 0 0 0 0).

If the password is turned off, the Keylock, Advanced Settings menu and Runback controls are accessible without entering a password.

To Change the password code when the password is active select Change from the password screen and using +/- buttons and press **Mode/OK**.

Enter the new password using +/- buttons and **Mode/OK** to confirm the new number. Once "OK" is highlighted press **Mode/OK**



RUNBACK MODE

The towel rail comes with a Runback mode for use when the heater will be installed in areas where restricted user control is required.

When Runback Mode is active it allows the user to set the towel rail to run for a specific pre-set amount of time and temperature. It is also possible to set a maximum temperature (Max Temp) above the Runback setting to allow the user to increase the temperature within the limits allowed.

After the Runback time period ends the room temperature will return to off (7°C) until the Runback is restarted.

It is also possible to set a minimum temperature to be maintained (Setback) outside of the Runback mode; when setback mode is activated the room temperature will only fall as low as the Setback temperature. The temperature will be maintained at this point until Runback is restarted.

NOTE: Any display settings will be used in **RUNBACK** mode, eg. Backlight time and intensity, Eco mode etc. These should be adjusted prior to setting Runback to Active.

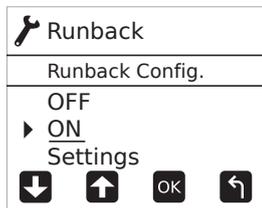
ACTIVATING RUNBACK MODE



Runback mode is activated from the Advanced settings menu.

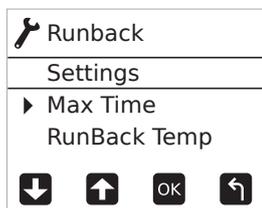
The main Runback screen has 3 options:

- Runback Config
- Setback Config
- Max Temp



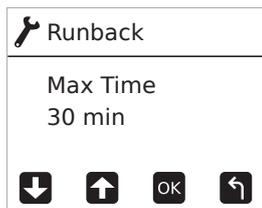
Set Runback to ON to activate the mode.

Note: The Runback settings menu is not available unless the Runback mode has been turned on.



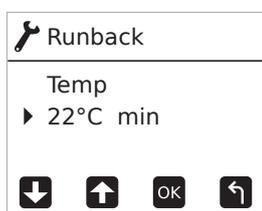
The Default time for Runback to operate is 30 minutes, this can be increased in ½ hour increments up to 8 hours (480 mins) by using the +/- buttons and confirming by pressing **Mode/OK**.

0 → 30 → 60 → 90 → 120 → 150 → 180 → 210 → 240 → 270 → 300 → 330 → 360 → 390 → 420 → 450 → 480 → 0



Select one of the above values, this is how long Runback will operate for before the Setback temperature operates. If Setback isn't activated then Runback will restart.

After the Runback has expired the next activation will start at the previous time selected. i.e. If the previous setting was 60min, the next activation will start at 60min.

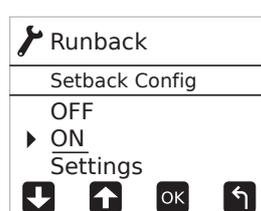


The temperature that the towel rail runs at when Runback is activated is set in the Runback Temp menu. Use +/- to set the temperature and press **Mode/OK** to confirm.

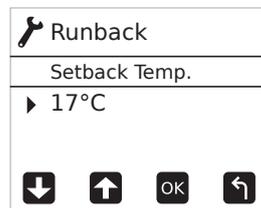


Please note that the Runback temperature cannot be set higher than the Comfort setting in the main menu.

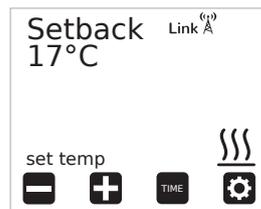
SETBACK



As well as being the temperature the towel operates in after Runback has ended, the setback setting is used to limit the lowest temperature that the towel rail can be set to while running Runback.



This temperature can be set between 7°C (minimum) and 0.5°C less than the Runback temperature set-point.



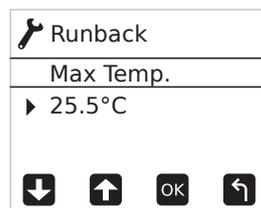
When Setback is operational, the screen will show "Setback" and the set-point.

MAX TEMPERATURE



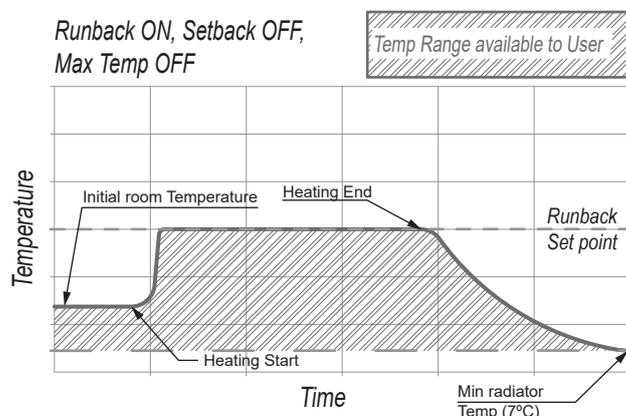
The Max Temperature setting allows you to set a temperature higher than the Runback temperature

Both the Setback and Max temp are set with the +/- buttons from their respective menus, using **Mode/OK** button to enter the desired mode.



The graphs below show typical scenarios for each of the settings.

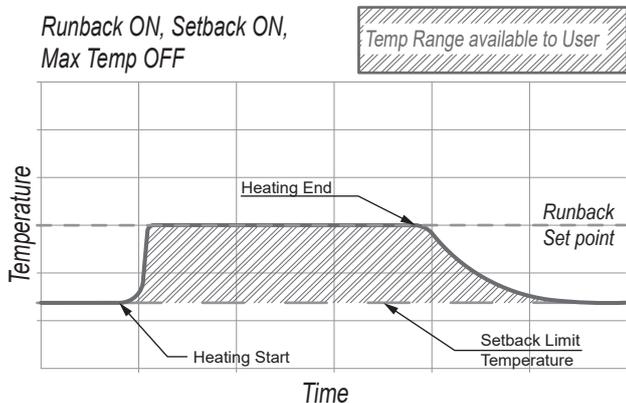
When Setback and Max temp is OFF, the user



has a choice between the minimum towel rail temperature of 7°C and the Runback temp setting.

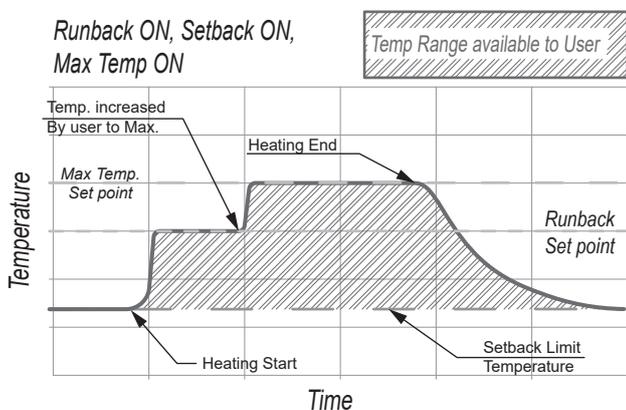
Outside of the Runback period the temperature will fall as low as 7°C if the towel rail is not re-activated.

TROUBLESHOOTING



When Runback and Setback are activated then the user has a limited choice of temperature between the Setback setting and the Runback setting.

Outside of the Runback period the temperature will fall to the Setback temperature if the towel rail is not re-activated.



When all 3 settings are activated then the user has a choice between Setback as a minimum and the Max temp setting as a maximum.

The Towel rail will always come on at the Runback set point.

In the example above the user has activated Runback and then increased the temperature to the Max Temp set point after a time.



If the power of the Lithium battery drops, in the screen, a small icon will remind the user that the battery is flat.



When a towel rail has been paired with a **smartcommand** Tevolve Gateway, the text "Link" and an antenna with flashing waves appears on the top right of the screen.



When the Gateway is not powered or it is too far away from towel rail, the Link text alternates with a red antenna without waves to tell you that the towel rail cannot communicate with the Gateway..

If a towel rail is paired with a Gateway, and the internet connection is lost the heating system is not accessible from the **smartcommand** Tevolve App.

However the programme remains in the towel rail memory and continues with the last user setting so long as the lithium battery is not flat.

The Lithium battery (CR2032) life is around 5 years from date of manufacture, this life can be decreased depending storage conditions.

To change the battery contact your installer or an electrician.

ERROR CODES

The Towel rail continuously checks to ensure that it is working correctly all the time, however in some cases the towel rail may display an Error code on the screen.

Below you will find each code and a short description on the cause of each issue.

- OC Disconnected or Open circuit temperature sensor.
- SC Damaged or Short circuit temperature sensor.

DEFAULT VALUES

Default mode: OFF

Type of control: PID

Temperature offset: 0°C

Open window detection: Disabled

Adaptive Start: Disabled

Programming in one hour intervals,

All programmed hours in anti frost mode

Set point temperatures:

- Anti-freeze 7°C
- Eco 18°C
- Comfort 21°C
- Manual temperature: 21°C
- Boost mode temperature: 21°C
- Boost mode time: 1 hour

Low Surface Temperature: Disabled

Password status: Activated

Password: 0000

Units: °C

Keyboard: Unlocked

Easy mode: Disabled

Runback mode: Disabled

Setback: Disabled

Runback temperatures and defaults:

- Antifreeze: 7°C
- Eco: 18°C
- Comfort: 21°C
- Max. Temperature of Runback: 21°C
- Max time of Runback: 30. Minutes

Screen brightness on: Max (4)

Screen brightness off: Min (OFF)

Screen time on: Min (5s)

Beep: Disabled

EcoDisplay: Disabled

DST: Disabled

Default date: 01-01-2019 (Tuesday)

ECODESIGN TABLE

Models	Colorado DGi+ 450	Colorado DGi+ 750
Heat output		
Nominal heat output (P_{nom})	0.45 kW	0.75 kW
Maximum continuous heat output ($P_{max,c}$)	0.45 kW	0.75 kW
Auxiliary electricity consumption		
At nominal heat output (eI_{max})	0.0005 kW	0.0005 kW
At minimum heat output (eI_{min})	0.0005 kW	0.0005 kW
In standby mode (eI_{SB})	0.0005 kW	0.0005 kW
Type of heat output/room temperature control:	Electronic room temperature control plus week timer	
Other control options:	Room temperature control, with open window detection With adaptive start control With distance control option	
Heattend Products Ltd, https://www.heattend.co.uk/ Email: enquiries@heattend.co.uk		

MAINTENANCE AND CARE

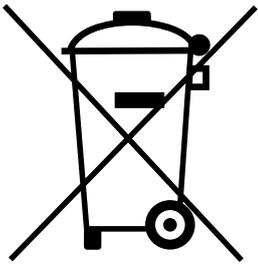
Ducasa towel rails require very little maintenance.

The surfaces of the towel rail must not be cleaned with an abrasive product or those containing granular substances.

We recommend regular cleaning with PH neutral products.

In order to clean the towel rail, it is recommended that the electric power is switched off.

CORRECT DISPOSAL OF THIS PRODUCT



(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.



Ready for
smart  **command**[™]
*Tevo*lve.

UK Distributor of Ducasa Products:

Heattend Products Ltd

Web: www.heattend.co.uk

Email: enquiries@heattend.co.uk