



**GB. TCP Smart Instructions
Radiator Valve & Hub
- Quick Start Guide**

TCP hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC and 2011/65/EU.

Thank you for purchasing this TCP Smart Radiator Valve and Hub.

This is a quick start guide to install and get your device connected to our App and your home network.

Before you get started you will need the following:

- Smart device such as mobile phone or tablet
- Access to the Google or Apple App store, log on and passwords
- The name and password of your WiFi network
- Confirm your home WiFi router is running on 2.4 GHz and not 5 GHz. (If you are unsure, please consult your broadband provider such as Virgin Media, BT or Skype for details on how to change the settings)
- Turn off any WiFi extenders during set up
- Check you do not have any limitations on the number of devices with your broadband provider

PLEASE NOTE: Our products do not work on 5 GHz only 2.4 GHz.

For more detailed instructions on how to connect to Amazon Alexa / Google Home or use the different functionality such as setting schedules and scenes, changing colour (if applicable) please visit:
<https://www.tcpsmart.eu/>

Overview

Radiator Valve, uses AA batteries so no need for wiring.

The TCP Smart Radiator Valve is used to control the temperature of warm water radiators, to provide the desired temperature in individual rooms and to save energy on your bills.

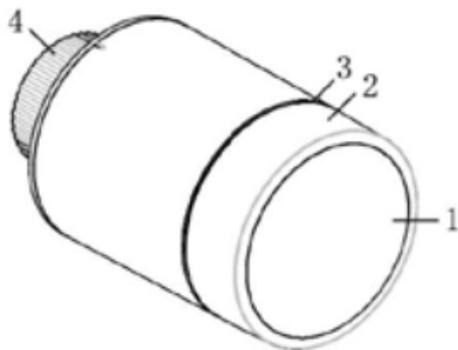
This product has a built in Zigbee ® wireless communication module with low power and LCD display screen. It can be used individually and can be added to the TCP Smart App to make it an intelligent thermostat. After joining the TCP Smart system, you can select the mode, set the temperature, set the child lock and set the window detection function inside the TCP Smart App. Any operation at the device side will also be synchronized to App such as manually setting the temperature.

Features

- 3 Mode settings;
 - Automatic mode
 - Manual mode
 - Eco mode.
- Temperature setting range 5° C and 35°
- With LCD display screen and big characters, easy to see.
- 2 x AA batteries (included).
- Zigbee ® wireless communication protocol, safe, reliable and convenient.
- Uses the same App as all other TCP Smart devices.

TCP Smart Radiator Valve

1. LCD Screen
2. Twist ring
 - a. Press: Setting mode
 - b. Rotate: Adjusting temperature
3. LED
4. Interface nut

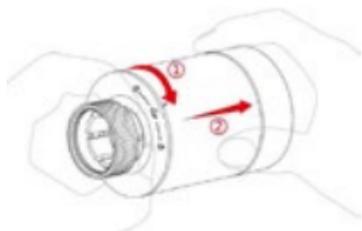


LCD Screen

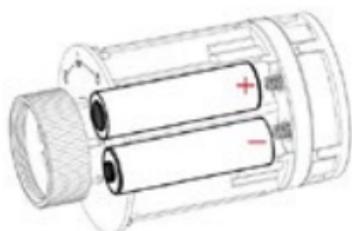
1. Fault
2. Low battery
3. Temperature you set
4. Window detection
5. Automatic mode
6. Manual mode
7. Installation mode
8. Networking
9. Child lock



1. Twist the bottom of the Radiator Valve towards the unlock symbol and pull the outer case off to reveal the battery holder.



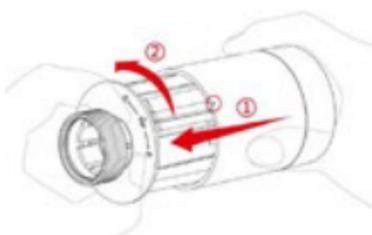
2. Insert 2x AA batteries. (Note that rechargeable batteries cannot be used).



3. Once the batteries have been installed the LCD screen will light up with the current temperature and a wrench symbol will be displayed.



4. Replace the outer case and twist towards the lock symbol.



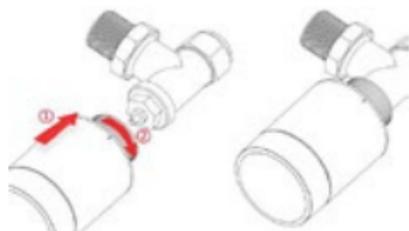
5. Press and hold down the screen for 3 seconds to start the setup process.



6. The Radiator Valve will start to vibrate until it is ready to be installed. When ready the F1 screen will show.



7. Attach the Radiator Valve to your radiator by screwing to the top of the valve and tighten the nut until it is secure.



9. After about 10 seconds, the wrench symbol will disappear and the current temperature will be displayed.



When the thermostat is installed, the Radiator Valve will be adjusted automatically according to your heating system. During this process, you may find that the Radiator Valve is slow at responding or self heating / self cooling. This is normal and is a necessary part of the installation process.

8. Press down on the LCD screen once and F12 will appear on the screen.



The Radiator Valve will close the valve at a specific time, and then open it again to detect the exact opening position of the valve. The automatic detection function will make the radiator valve as efficient as possible and will control the temperature more accurately.

If necessary, please reload the batteries, activate the installation mode and manually run the automatic detection function.



10. The Radiator Valve is now ready to connect to the TCP Smart App.

Download the TCP Smart App from the Apple App store or from Google Play store.

Search for "TCP Smart".
The app is free to download.

If you have a QR scanner on your phone please Scan the QR code above.

11 Once the app has downloaded select Register from the opening screen. You will then be presented with a Privacy Policy.

Please read and agree if you are happy to proceed.

If you already have the TCP Smart App installed skip to step 16.



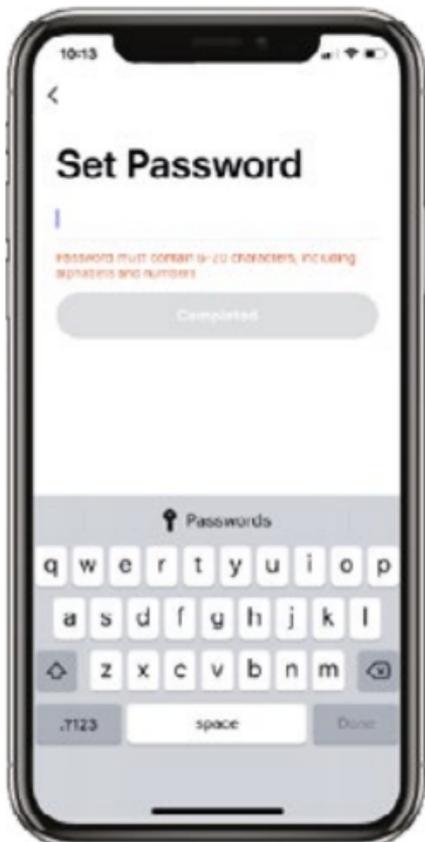
12 On the registration page, at the top you can choose to register with either your email or mobile number.

Once you have entered your details press the obtain verification code button. Ensure the service agreement box is ticked.



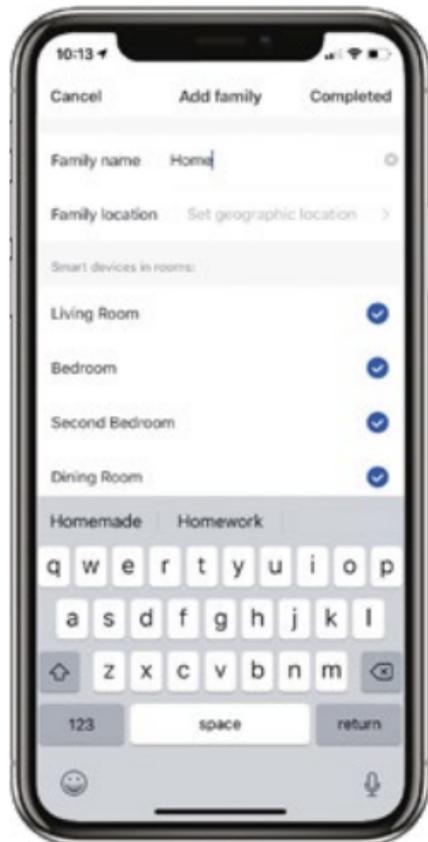
13 You have 60 seconds to enter the verification code which would have been sent to your email or mobile phone.

If this time expires go back to the registration page and re-enter your details.



14 Set a Password. This password must contain 6-20 characters, and include a combination of letters and numbers.

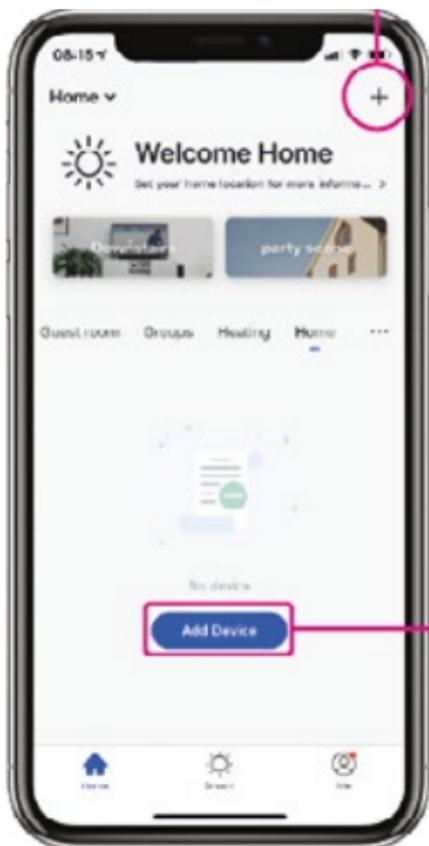
Once entered press complete.



15 Create a family for your devices, this can be anything you wish. You can select rooms you wish to have in your family.

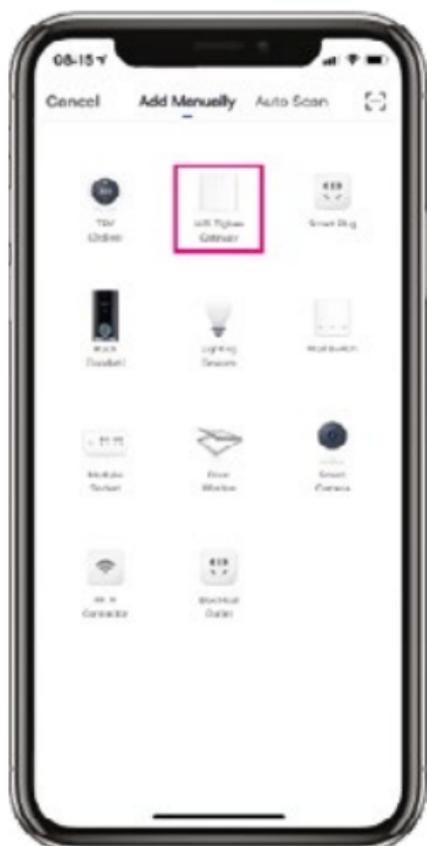
You can also enable your location which is useful for location apps.

Press completed in the right hand corner.



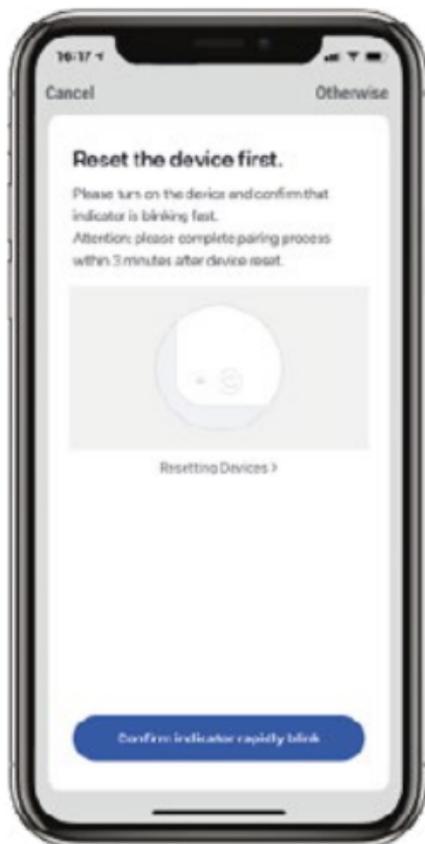
16 The Home page within the app is now ready to add your Smart devices.

Do this by either pressing the + button in the top right hand corner or pressing 'Add device'.



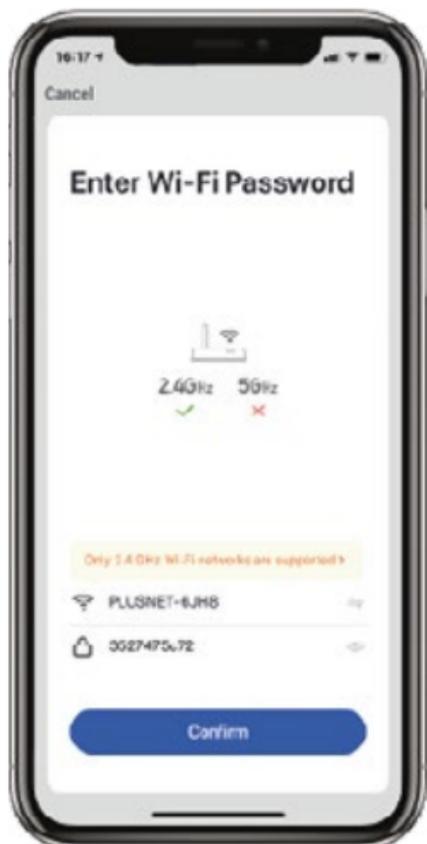
17 You can choose from a list of different products.

As the TCP Smart Hub runs on Zigbee®, select WiFi Zigbee® Gateway from the list.



18 Plug the Smart Hub into the power. The Hub should start to flash rapidly.

If the light on the Hub does not flash quickly, turn it off for 10 seconds, then hold the reset button down for 5 seconds.



19 Choose your WiFi network & enter your password.

If you are unsure of your details please check with your broadband provider.

Press the ok button to connect to your device.



20 The connection process will start, once the App finds the device it will stop blinking and the connection wheel will reach 100%. (If this does not happen please see trouble shooting).



21 Your Smart Hub is now connected and can be renamed to suit your needs.

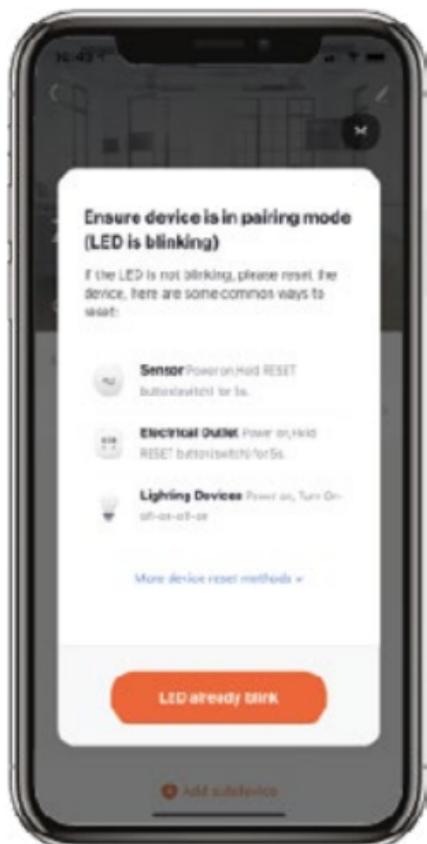


22 The TCP Smart Hub is now ready to use.

Follow the next steps to link your Radiator Valves to the Hub.



23 Click "Add sub device".



24 Check that the Radiator Valve is in pairing mode. If not follow the next step to start it.



25 Press down on the LCD screen 3 times to start the pairing process.



26 The TCP Smart App will start searching for any Radiator Valves.



27 Once found the Radiator Valves will start connecting.



28 Your Radiator Valve is now connected and can be renamed to suit your needs.

This stage is important if in the future you wish to connect to a Smart Home Assistant such as Amazon Alexa or Google Home.



Operation instruction

To select the mode using the Radiator Valve click the LCD Screen once to cycle through the different modes.

In the TCP Smart App to select the mode press the "mode" button at the bottom of the screen.

Automatic mode

The Radiator Valve automatically switches to the required temperature, such as 21° C when you are at home, 17° C when you are sleeping, and 15° C when you are away from home.

The automatic mode needs to connect to the TCP Smart Hub and needs a network connection. These can be set between 5° C and 35° C.



Manual mode

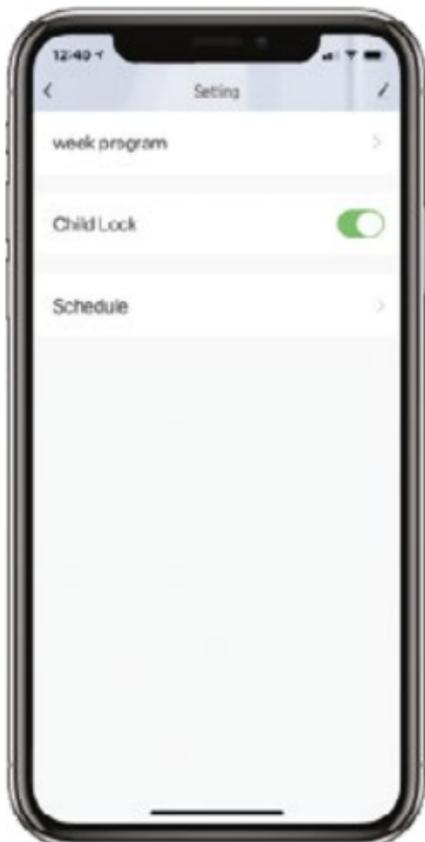
The temperature you set will not change because of different situations. The temperature can be set within the App or manually by twisting the LCD screen on the Radiator Valve. This can be set between 5° C and 35° C.



Eco mode

Anti freezing mode can be used when you are away for long periods of time. The temperature can be set between 5° C and 15° C.

This mode is mainly used to protect water pipes from freezing at low temperatures.



Settings - Child lock

You can turn child lock on in the settings tab or manually by holding down the LCD screen for 3 seconds. When the child lock function enables, all operations on the thermostat will be invalid to prevent children from playing with the thermostat or mis-operation because of curiosity. A padlock symbol will be shown on the LCD screen. Repeat the process to unlock.



Settings - Week program

You can set a weekly schedules in the settings tab.

Common trouble shooting:

No WiFi connection during the connection process

If your Smart Hub will not connect please ensure your router is set to 2.4 GHz your WiFi connection is working correctly and your details are correctly.

Try resetting your router and if you have WiFi booster devices make sure they are turned off.

Not sure if I have 2.4 GHz or 5 GHz

Your home WiFi router needs to be set to 2.4 GHz and not 5 GHz.

If you are unsure, please consult your broadband provider such as Virgin Media, BT or Sky for details on how to change your settings.

For more trouble shooting advice please visit our website <https://www.tcpsmart.eu/faq/>.

The Radiator Valve operates normally, but the room temperature is obviously higher than the set temperature.

The Radiator Valve is not installed correctly. Remove the Radiator Valve from the radiator, then take out the battery and wait 30 seconds to reload it. Then refer to step 3 and reinstall the Radiator Valve.

The Radiator Valve operates normally, but the room temperature is obviously higher than the set temperature.

Valve fault. Replace the Radiator Valve then take out the battery and wait 30 seconds to reload it. Then refer to step 3 and reinstall the Radiator Valve.

App can't control the Radiator Valve

The Radiator Valve is not connected to the App.
Reference step 23.

App can't control the Radiator Valve

The Radiator Valve is too far away from the Hub , or there are multiple obstacles in the middle. Move the Smart Hub closer to the Radiator Valves.

The Radiator Valve operates normally, but the room temperature can not be kept constant.

The batteries may be low, try replacing them with new batteries.

Fit. Connect. Play!

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