

Connected heating solution

Connected head

Installation manual



comap



Caution

- Read these instructions carefully before installation.
- Check that the thermostatic body of your radiator is compatible with the heads:
 - > diameter: M28 or M30
 - > thread: 1.5 mm
- The 30 mm diameter adaptable heads are also compatible with Danfoss RA thermostatic inserts and bodies (adapter included in the universal pack).
- Handle the head with care.
- Keep good air circulation near the head.
- Do not cover the COMAP head.



- 1 Visit the page app.comapsmarthome.com
- 2 Follow the installation procedure online step by step



Download the COMAP Smart Home app

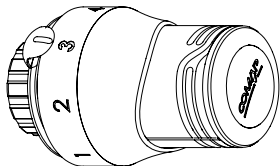


Create your account in the app
and start the installation of your product



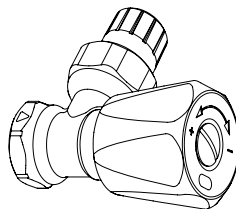
COMPATIBILITY

There are two types of radiator heads:



The thermostatic heads

They are generally graduated from 1 to 5 and can be easily replaced by a COMAP Smart Home head

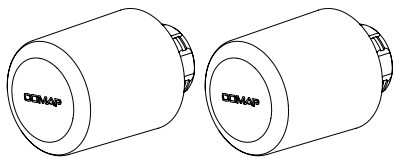


The manual valves

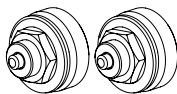
If some of your radiators have manual valves, we advise you to go through a licensed installer to make your valve compatible with the COMAP Smart Home head.

- ! There are mainly, two standard types of connections of the head on the thermostatic valve: $M28 \times 1.5$ or $M30 \times 1.5$ (corresponds to the diameter and thread of the pipe in mm). Check the thermostatic valve on your radiator before installation to see if it is compatible with the model you have purchased.

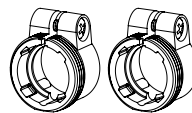
KIT CONTENT



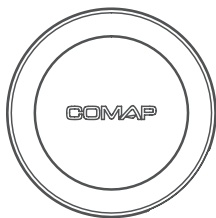
2 COMAP thermostatic heads



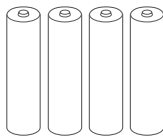
2 M30/M28 adapters*



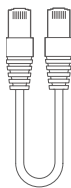
2 Danfoss adapters*



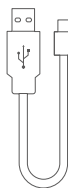
1 gateway



4 AA LR6 batteries



1 ethernet cable



1 USB cable

Possible extensions

You can extend your installation and install up to 10 COMAP Smart Home heads (ref. L150005001, L150006001, L150007001 depending on the thermostatic valve installed on your radiator).

*according to the reference you purchased, see page 12

INSTALLATION PRINCIPLE

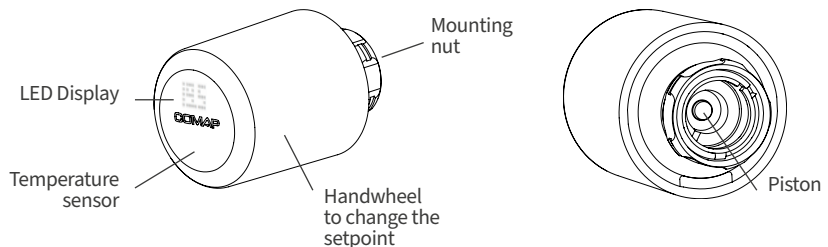


The COMAP head can be mounted on each of your water radiators.









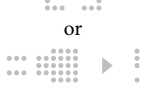

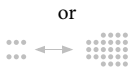
The gateway connects to the internet box.

The heads communicate with the gateway by radio waves (868MHz). The maximum distance between the gateway and the heads depends on the structure of your house (wall thickness, materials...) and the radio environment.

Description of the head

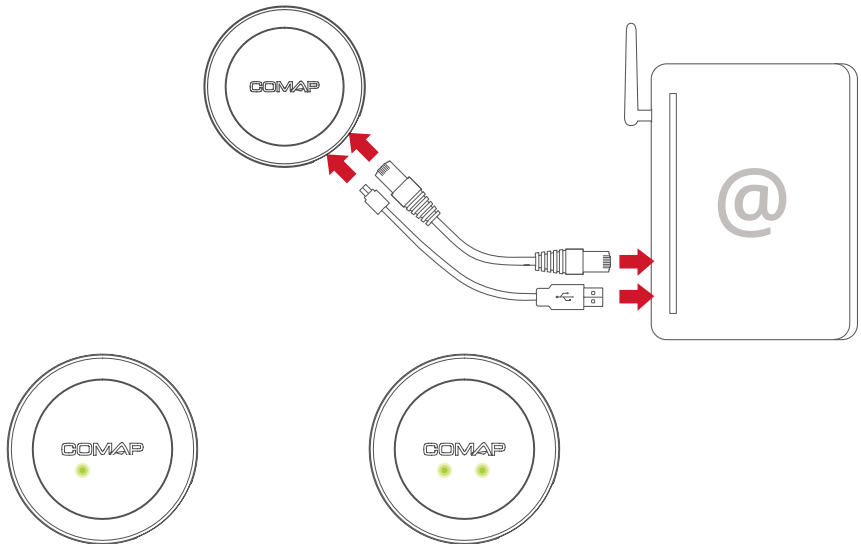


DISPLAY OF THE HEAD

Pictogram	Meaning	Action
	Starting of the head	Wait a few seconds
	Update of the head	Wait for 1 to 2 minutes
	Low battery level	Remember to change the batteries
	Critical battery level, the heads doesn't control the temperature anymore.	Change the batteries to recover the head functionalities
	Communication problem	<ol style="list-style-type: none"> 1. Disconnect and reconnect the internet box gateway. The two lights on the gateway should be green and steady. 2. If the gateway has both lights fixed after the restart and the head continues to display these pictograms, contact customer service.
	Radio range limit	Your thermostatic head is at the limit of radio range, a repeater may be necessary, contact customer service.
 or  or 	The calibration is inconsistent	<ol style="list-style-type: none"> 1. Remove the head from the radiator. 2. Remove the batteries for 30s and reinsert them. 3. Observe if the head piston makes a back and forth movement: If Yes: Remove the batteries. - remount the head. - Reinsert the batteries to restart the calibration. - If the error persists, contact customer service. If No: contact the customer service
 or 	The radiator valve has not been detected during the calibration.	<ol style="list-style-type: none"> 1. Make sure that the head is properly installed on the thermostatic body (Tightening, no clearance) 2. Restart the calibration by removing the batteries for 10s and putting them back in. 3. If the problem persists, contact customer service.

INSTALLATION

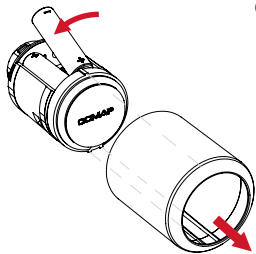
1. Download the COMAP application. Go to the App Store or Google Play to download the "COMAP Smart Home" application.
2. Create your account on the application. Follow the steps to create an account on your COMAP Smart Home application
3. Connect the gateway to your internet box



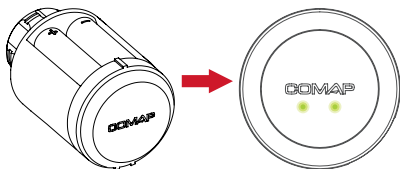
The first light (power light) on the gateway lights up.

The second light on the gateway (communication light) lights up and flashes, then becomes steady after 1 to 2 minutes.

4. Insert the batteries into the head
 - a. Slide the handwheel forward
 - b. Insert the batteries in the direction indicated in the battery compartment.



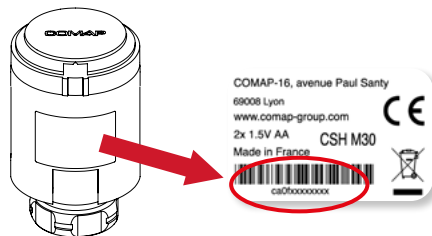
5. Place the heads within 20cm of the gateway.



6. Turn the ring to wake up each head next to the gateway. Leave the head next to the gateway until you have checked that the heads have appeared in your app (see 7 & 8).

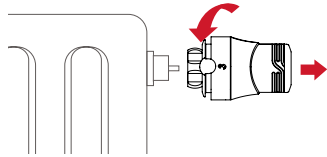


7. Step only necessary for the first head installed: In the installation path of the application or web interface, enter the serial number of one of the heads. The serial number is placed on the label on the bottom of the head.



8. The other heads automatically appear in the application as they communicate. If one head is missing, please wake it up next to the gateway again and wait for a couple of minutes.
9. Once the heads are visible in the app, proceed with their installation on the radiators.

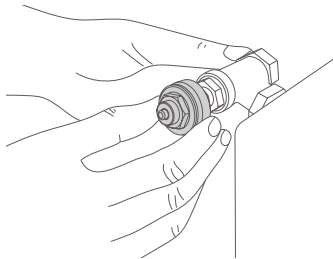
Mounting the heads



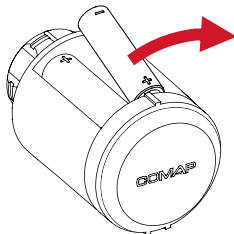
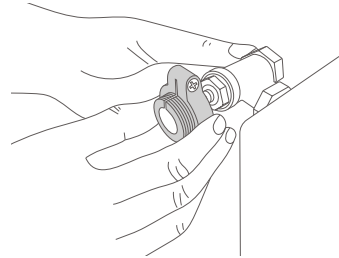
10. Remove the current head.

11. If necessary, add an adapter

▶ If your valve has a thread but the head nut does not screw on because it is too big, screw on the adapter M30/M28 if you have a universal kit.

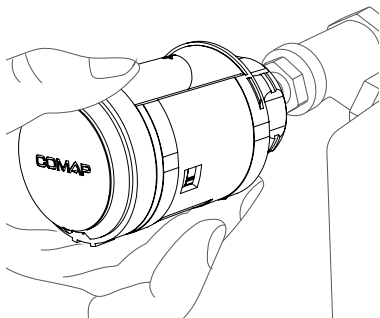


▶ If your insert or thermostatic body is of the Danfoss RA type: separate the two plastic parts of the adapter. Screw the Danfoss adapter corresponding to your model onto the radiator tube.

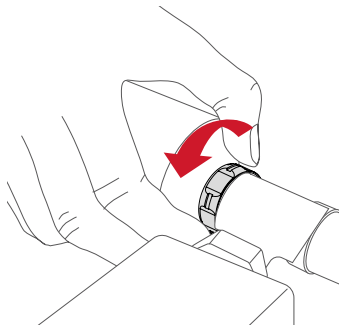


12. Remove one battery of the head.

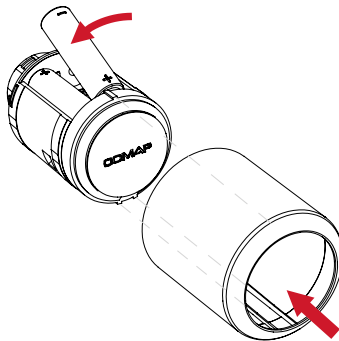
13. Place the COMAP head in front of the radiator valve: you must read COMAP in the right direction.



Screw the metal ring clockwise until the head is fixed to the radiator. Tighten with a wrench.



14. Put the battery in the head and slide the handwheel sideways, being careful to place the double groove of the handwheel on the lower part of the head. The head will calibrate on your valve.



Organize your connected heads in the app

DETAILS OF THE REFERENCES

References	Content
L151006001	2 heads CSH M28
L151004001	1 gateway 1 USB cable 1 RJ45 cable 4 AA LR6 batteries
L151007001	2 heads M30
L151005001	1 gateway 1 USB cable 1 RJ45 cable 4 AA LR6 batteries
L151008001	2 heads M30
L150003001	2 M30/M28 adapters 2 Danfoss RA adapters 1 gateway 1 USB cable 1 RJ45 cable 4 AA LR6 batteries
L150005001	1 head M28 2 AA LR6 batteries
L150006001	1 head M30 2 AA LR6 batteries
L150007001	1 head M30 1 M30/M28 adapters 1 Danfoss RA adapters 2 AA LR6 batteries

SPECIFICATIONS



Certificates and general conditions

COMAP declares that the device complies with the essential requirements and other relevant provisions of the RED 2014/53/UE directive.

Wireless specifications

Connection of the gateway to the Internet box via USB 5V DC 200 mA power supply and Ethernet port RJ 45. Wireless connection between the COMAP Smart Home heads and the gateway: Long range radio 868.0-868.6 MHz / power 25 mW.

Sensors of the head

High-precision temperature sensor. Measuring range: 0° to 50°C. Temperature (set point): 7°C to 25°C. Increment: 0.5°C.

Humidity sensor & sound level sensor.

Motor

Linear stroke: 5 mm max. Sound level: <35 dbA. Pushing force: 80 N max.

Required equipment

Internet router with one RJ 45 port and a free USB port.

Without USB port, an external USB charger is needed (not supplied).

Dimensions

Thermostatic head: 51 mm (diameter), 78 mm (L). Gateway: 82 mm (diameter), 22 mm (L).

Weight

Thermostatic head: 120 g (without batteries).

Gateway: 55g (without cables).

Design

Design: 5,5 Studio Design.
LED screen.

Warranty 2 years.

Warnings

The programmable thermostatic head is for indoor use only.

The unit must be installed in accordance with current standards. Batteries must be clean before being inserted into the unit. Keep children away from the batteries. If swallowed, consult a doctor immediately.

Do not attempt to repair this appliance yourself, an after-sales service is available.

Changes or modifications not expressly approved in this manual could void your authority to operate and/or warranty service this unit.

COMAP Thermostatic Head and Gateway: Class III Insulation

This appliance is not intended for use by untrained persons (including children) unless they are supervised or monitored by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Power supply

Each head is powered by 2 included LR6 AA batteries.

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FAQ : <https://support.qjvivobycomap.com>



Email : contact@comapsmarthome.com