

NorthQ

Kit Installation Guide

v1.0

Thank you for buying NorthQ products. Our solutions give you an opportunity to experience a **new way of living.**

This manual guides you through the process of getting your NorthQ Kit ready to use. In the next chapters you will learn how to create your **HomeManager** account, set up an Internet connection with the **Q-Stick** and install all of the NorthQ devices from the Kit you purchased.

Make sure that:

- You have a **Wi-Fi router** with Internet connection.
- Your **Wi-Fi router supports the 802.11N standard.** By far most routers do so. You can find this information in the manual that comes with your router (or by searching online).
- Your router is **not using WEP security.** We recommend **WPA2-PSK.** You can find this information in the manual that comes with your router (or by searching online).

The installation can be performed using either a **computer** or a **mobile device.**



Examples of NorthQ Kits



Electricity Starter Kit | NQ-9500-EU



Electricity Saving Kit | NQ-9510-EU



Electricity Control Kit | NQ-9520-EU



Heating Control Kit | NQ-9540-EU



Gas Starter Kit | NQ-9100-EU



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The **Q-Stick** is the bridge that connects the **Q-Power**, **Q-Gas**, **Danfoss Living Connect**, **Q-Plug** and other devices to your **HomeManager** account.

1. Q-Stick Setup



Q-Stick Setup

You have to install the **Q-Stick** before any other **NorthQ** device can be added.



1 Power it up with the **wall plug**

2 Alternatively, use the **extension cord**

Upon powering up, make sure the **Q-Stick** LED flashes blue once to indicate that it is powered on. Place it centrally in your house so all the devices can connect - the range is about 10-20 meters, depending on the range and the construction material of the building.

Q-Stick Setup

Before connecting to the **Q-Stick** go to **Wi-Fi** settings and click on the **forget network** option for your home network so that it **will not auto connect** to your existing **Wi-Fi** while installing the **Q-Stick**.

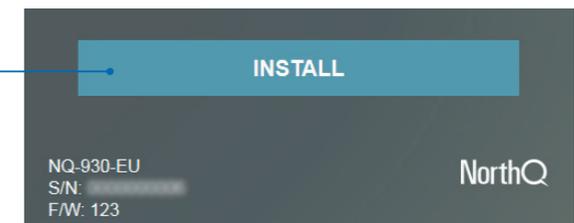
The **Q-Stick** will now be listed as NorthQ Gateway_XXXX (where XXXX are the last 4 digits of the **Q-Stick** serial number) under **Wi-Fi** settings. Now connect to the NorthQ Gateway_XXXX and the install page shown to the right will appear.

iOS and Windows Mobile Users - the setup page should appear automatically. Otherwise, open a browser and enter the address <http://192.168.0.1>

Android Users - a notification should appear in a couple of seconds asking you to sign in to the network. Click on the notification. Otherwise, open a browser and enter the address <http://192.168.0.1>

Computer Users - open a browser and enter the address <http://192.168.0.1>
The setup page should appear.

3 Click **Install** to proceed



Q-Stick Setup

- 4 Select your **Wi-Fi** network
- 5 If your Wi-Fi is not listed, click **here**
- 6 Enter network **password**
- 7 Confirm **password**
- 8 Click **SAVE**

Select your network WiFi not listed?

Network password

Confirm network password

SAVE

BACK

NQ-930-EU
S/N: [redacted]
F/W: 123

NorthQ

The **Q-Stick** is correctly setup if the LED on the button **flashes blue light**.

The NorthQ access point installation menu which you access from your gateway is not the **HomeManager** portal! After you install the **Q-Stick** connect your PC or mobile device to your local Wi-Fi network and proceed to the **HomeManager** portal.

WELL DONE!

The **Q-Stick** setup is done. Remember to re-connect your computer or mobile device to your Wi-Fi network - then proceed to the next chapter.

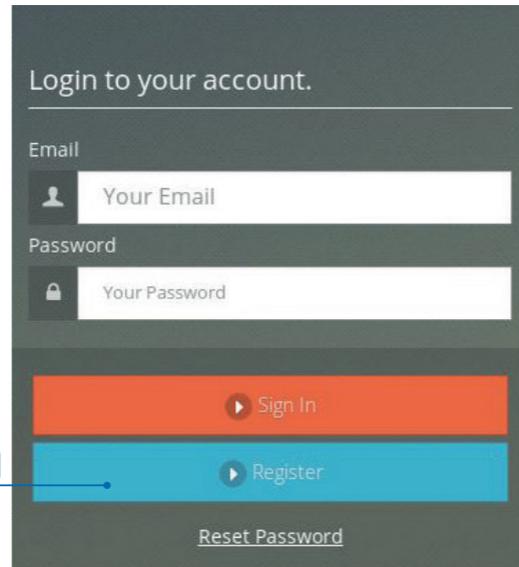


HomeManager is your online platform for all your connected devices, the control center where your consumption data is collected. In order to use it you need to create a **personal account**.

2. HomeManager Account Creation



1 Open your Internet browser and go to <https://homemanager.tv> or use the NorthQ app

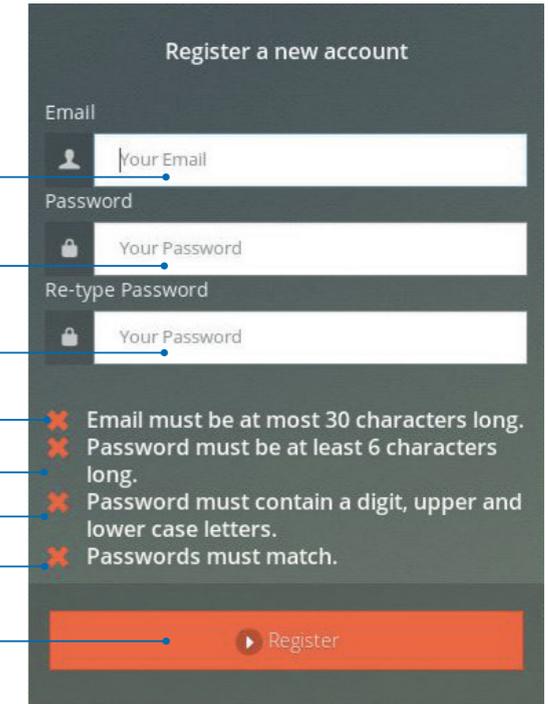


2 To create your account, click on **Register**

3 Fill out **your information**

4 All of these should turn **green**

5 And click on **Register**



- ✗ Email must be at most 30 characters long.
- ✗ Password must be at least 6 characters long.
- ✗ Password must contain a digit, upper and lower case letters.
- ✗ Passwords must match.

After completing these steps you will receive a **confirmation e-mail**. Click on the link in the e-mail to proceed.

HomeManager Account Creation

Please fill in this form to identify your **house** and **country**.

The screenshot shows a dark-themed form titled "Add a house". It contains three input fields: "Name" with a house icon and the placeholder "House name", "Type" with a dropdown arrow and the placeholder "Select", and "Country" with a location pin icon and the placeholder "Select". At the bottom is a red "Save" button with a play icon.

6 Give your house **a name** (e.g. Jan's Home)

7 Choose your **house type**

8 Select your **country**

9 Click on **Save**

If your country has more than one **time zone** select the correct one.

HomeManager Account Creation

Follow these steps only if you have one of the **NorthQ Electricity Kits** (consisting of **Q-Stick**, **Q-Plug** and/or **Q-Power**). Otherwise, click on **Skip**.

The screenshot shows a dark-themed form titled "House budget". It contains three input fields: "Budget" with the placeholder "Your yearly budget?", "Currency" with the placeholder "Your currency", and "kWh Price" with the placeholder "Your price per kWh". At the bottom are "Save" and "Skip >>" buttons.

10 Fill out **your House Budget**

11 Enter currency in **3 letters code** (eg. EUR)

12 Enter **kWh price**

13 Click on **Save**

The **House Budget** is used for prediction and spendings comparison. You should enter the budget amount including taxes/VAT (per your utility bill). For example, you could enter your last years budget amount including taxes/VAT (per your utility bill).

WELL DONE!
Your **HomeManager** account is set up and ready!

NorthQ Kits are created to help you optimize your energy consumption and increase the comfort in your home. They consist of a **HomeManager Account**, a **Q-Stick** and one or more NorthQ devices like the **Q-Power**, **Q-Gas**, **Danfoss Living Connect**, **Q-Plug**.

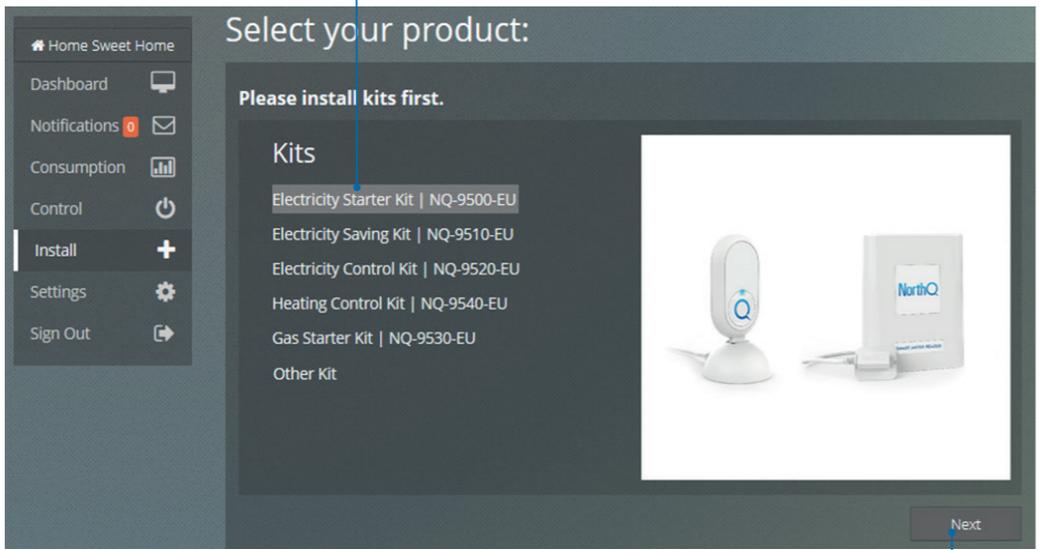
3.Kit Selection



To install your devices use the **PIN code** written on the card which can be found in the box of your **Kit**.

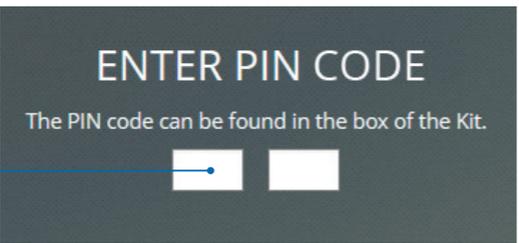
1 Go to **HomeManager menu** and click on **Install**

2 Select your **Kit**



3 Click on **Next**

4 Enter the **PIN code** (4+4 digits)

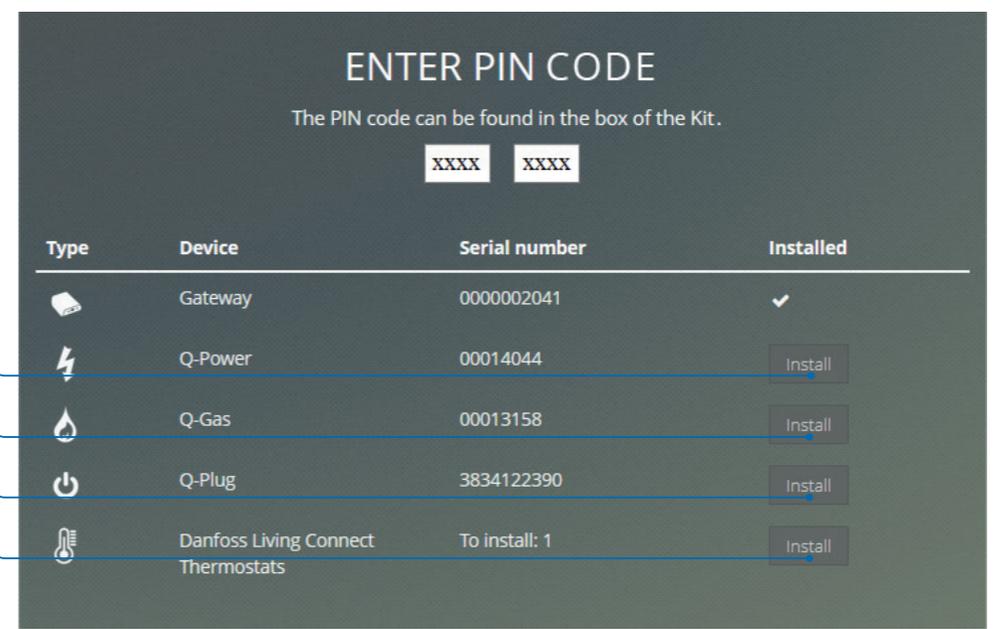


The following steps will describe how to install the various devices with **HomeManager**. Please follow the steps **exactly as indicated**.

After entering your **PIN code**, verify that you have the same devices in your **Kit** as shown in the list.

The Q-Stick is shown as Gateway device.

5 Click on **Install** next to the devices you want to add



WELL DONE!
You have verified your **Kit** using the **PIN code**. You are now ready to install the individual devices. Turn to the following chapters for specific instructions.

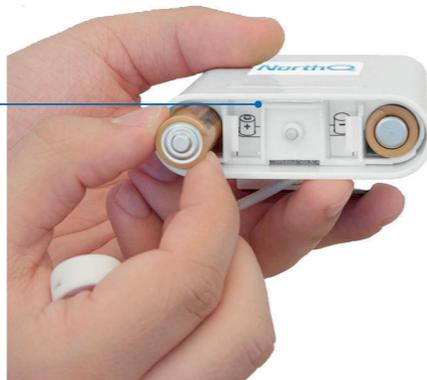
The **Q-Power** is the device which can be attached to your existing **mechanical** or **electronic** electricity meter. It measures consumption which can be visualized on your NorthQ **HomeManager** account.

4.Q-Power Installation



After clicking on the **Q-Power Install** button on **HomeManager** (chapter 3) you have to get the device ready.

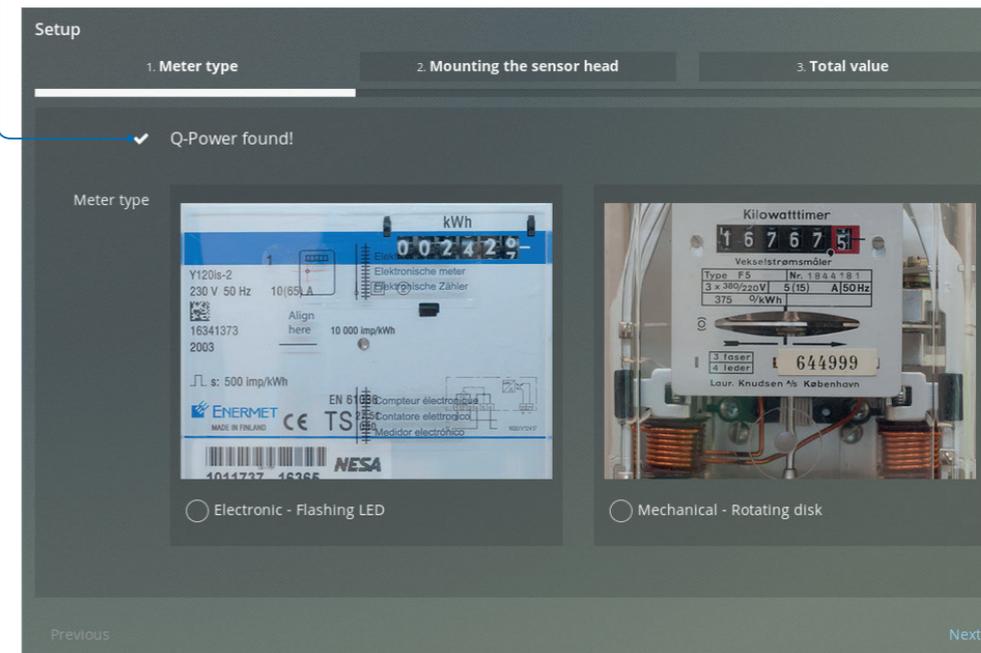
1 Insert the **batteries**



2 Press the **button**



3 Check if the device is **found**



If not found, please check our **FAQ section** on northq.com

4 Select your **meter type**

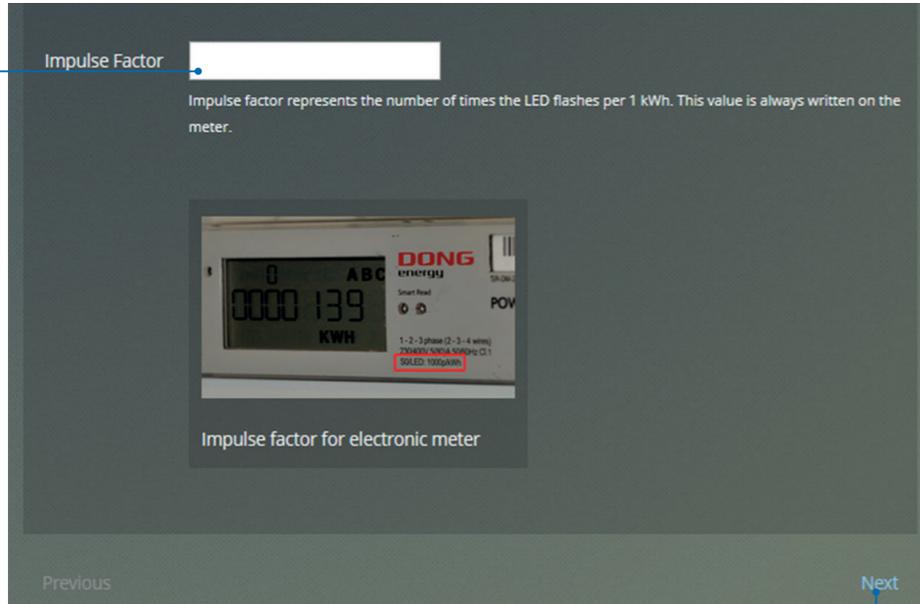
Electronic meters have a flashing LED, mechanical meters have a rotating disc.

Follow the instruction related to your **meter type: electronic (e) or mechanical (m).**

HomeManager will display pictures of various types of meters.

Following steps are for **electronic meters** only.

5e Enter the **impulse factor** for your meter

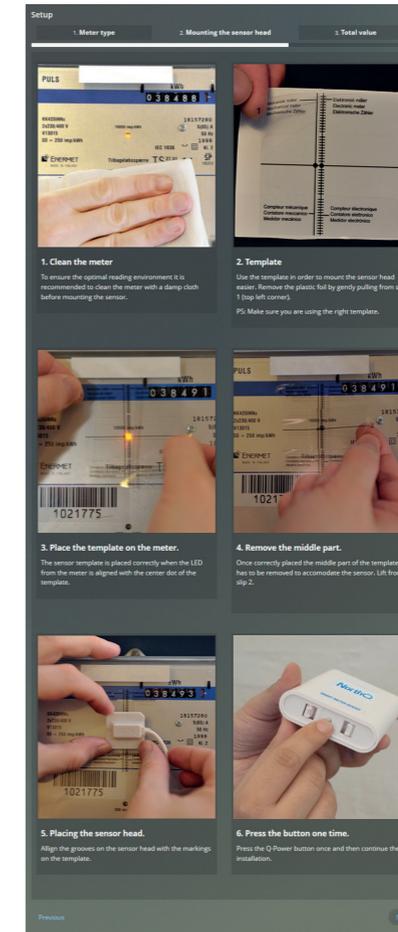


6e Click on **Next**

On an **electronic meter** the impulse factor is the number of times the LED flashes per kWh. Typically this is either 1000 or 10.000 per kWh - **look for a number of this size on the meter.**

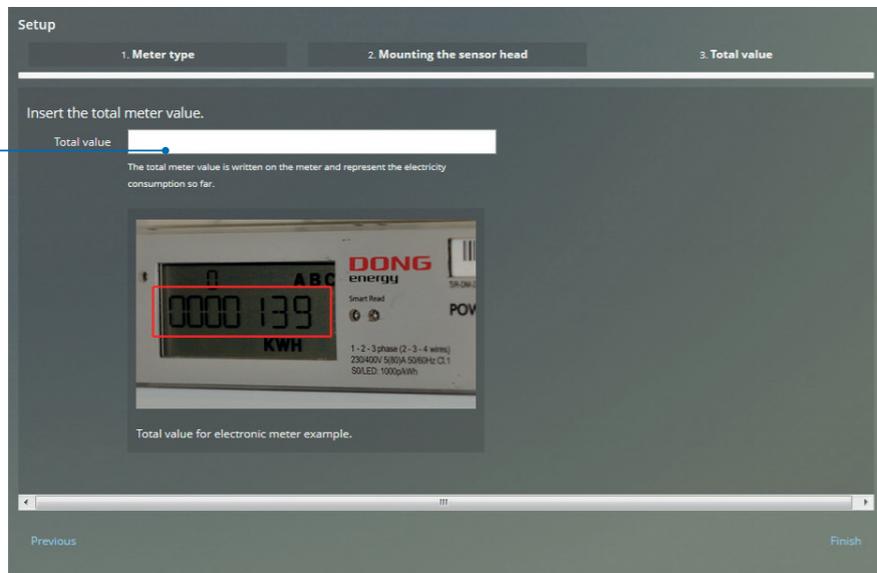
7e Install the **sensor head** on the meter - please follow the online instructions.

Remember to scroll down to see all the instructions and images!



8e Click on **Next**

4 **9e** Enter the **current consumption** from your meter



You **do not** have to enter leading zeros.

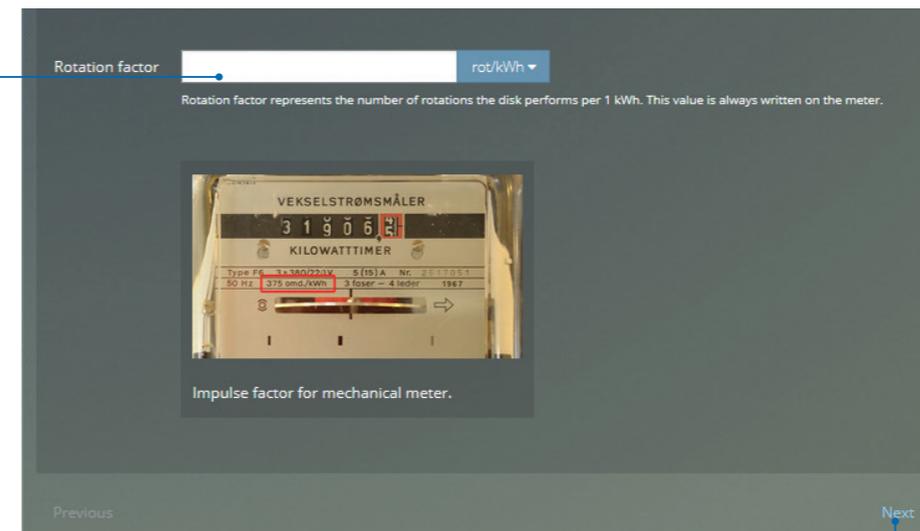
10e Click on **Finish**

WELL DONE!

You have finished installing your **Q-Power** on **electronic meter**. Your **HomeManager** should now be receiving data from it. Remember that the **Q-Power** transmits data every 15 minutes, so it may take some minutes before you see your first reading.

Following steps are for **mechanical meters** only.

4 **5m** Enter the **rotation factor** for your meter



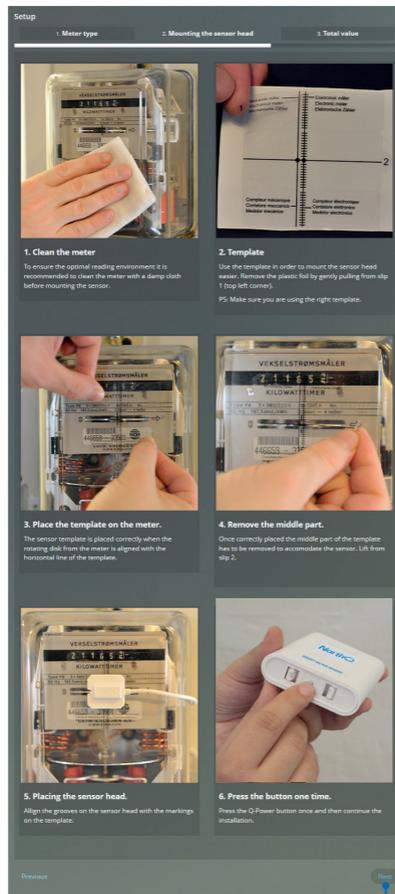
6m Click on **Next**

HomeManager will display pictures of various types of meters.

On a **mechanical meter** the rotation factor is the number of times the disc rotates per kWh. This varies but can be found on the meter - **look for a number marked "rot./kWh"**.

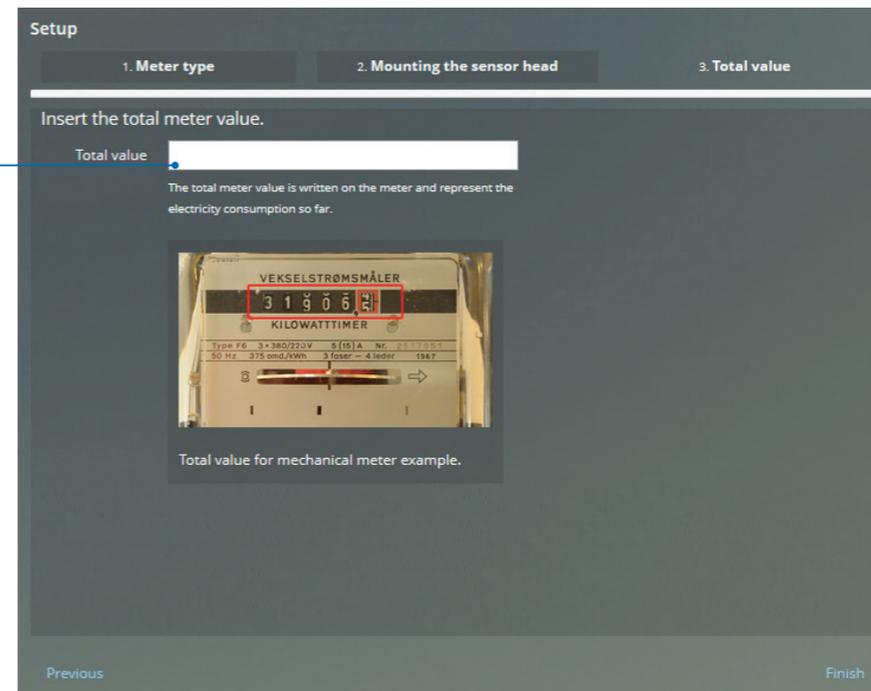
7m Install the **sensor head** on the meter - please follow the online instructions.

Remember to scroll down to see all the instructions and images!



8m Click on **Next**

9m Enter the **current consumption** from your meter.



You **do not** have to enter leading zeros.

10m Click on **Finish**

WELL DONE!
You have finished installing your **Q-Power** on **mechanical meter**. Your **HomeManager** should now be receiving data from it. Remember that the **Q-Power** transmits data every 15 minutes, so it may take some minutes before you see your first reading.

The **Q-Gas** is the device which is attached to your existing gas meter with **magnetic** or **silver spot**. It measures consumption so you can visualize it in your NorthQ **HomeManager** account.

5.Q-Gas Installation



After clicking on the **Q-Gas Install** button on **HomeManager** (chapter 3) you have to get the device ready.

5

1 Insert the **batteries**



2 Press the **button**



3 Check if the device is **found**



5

If not found, please check our **FAQ section** on northq.com

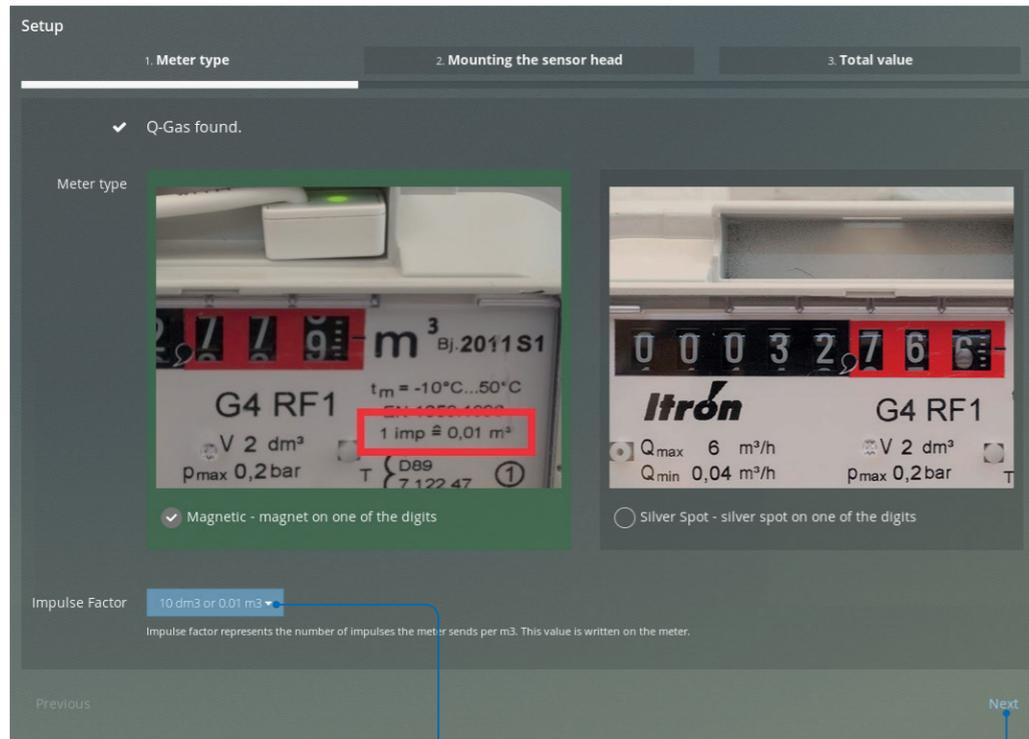
4 Select your **meter type**

Follow the instruction related to your **meter type: magnetic (m) or silver spot (s).**

Magnetic meters have a magnet on one of their digits, usually on the last.

Silver spot meters have one silver spot on one of their digits. Most of the meters in Europe are of the **silver spot** type.

Following steps are for **magnetic meters** only.

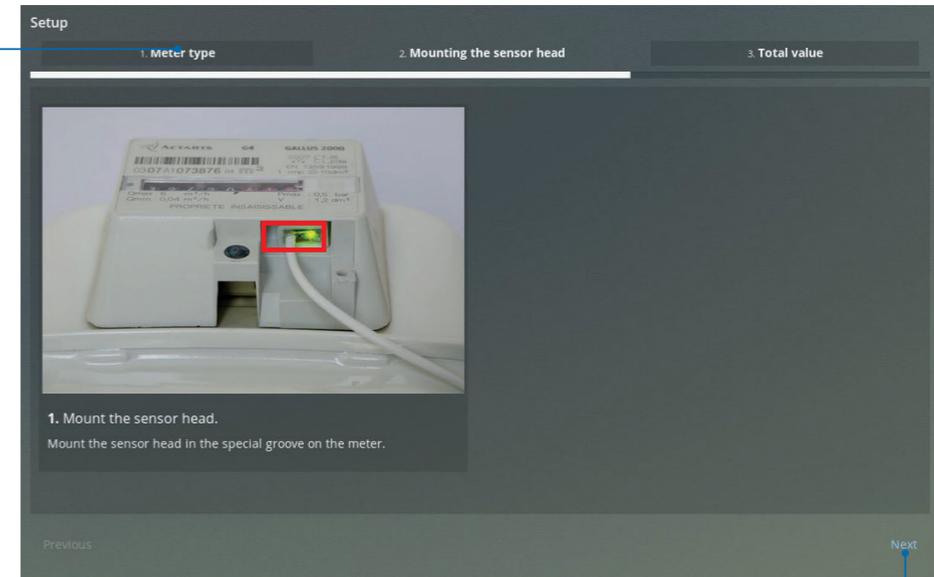


5m Select the **impulse factor**

6m Click on **Next**

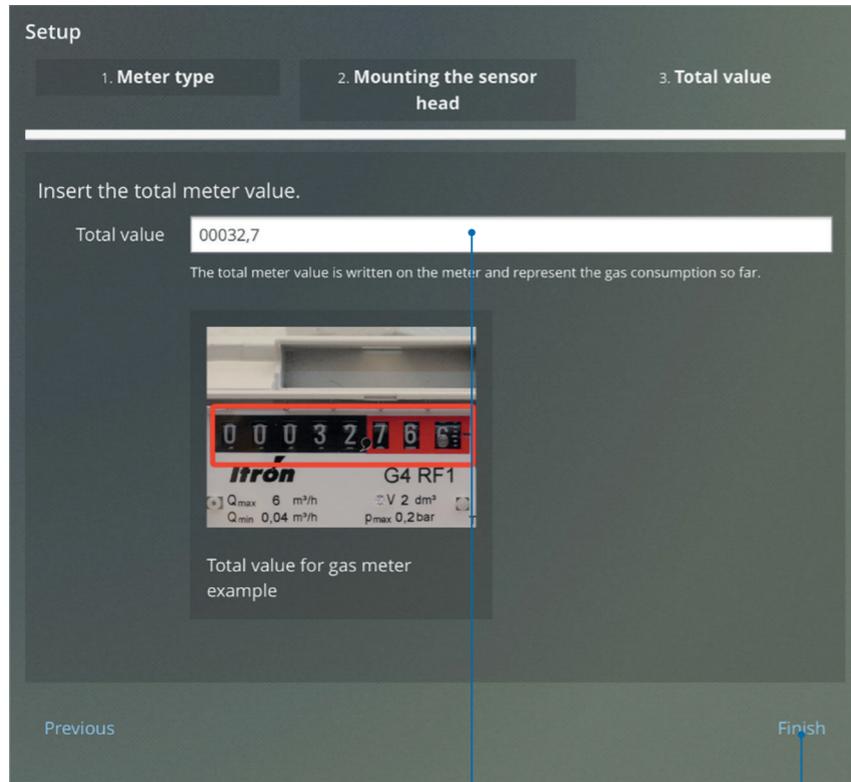
On a **magnetic meter**, impulse factor is written on the front, and represents the number of impulses per m^3 (ex. $1 \text{ imp} = 0,01 \text{ m}^3$)

7m Mount the sensor head in the **special groove** in the meter



8m Click on **Next**

5



9m Enter the **total consumption** from the meter

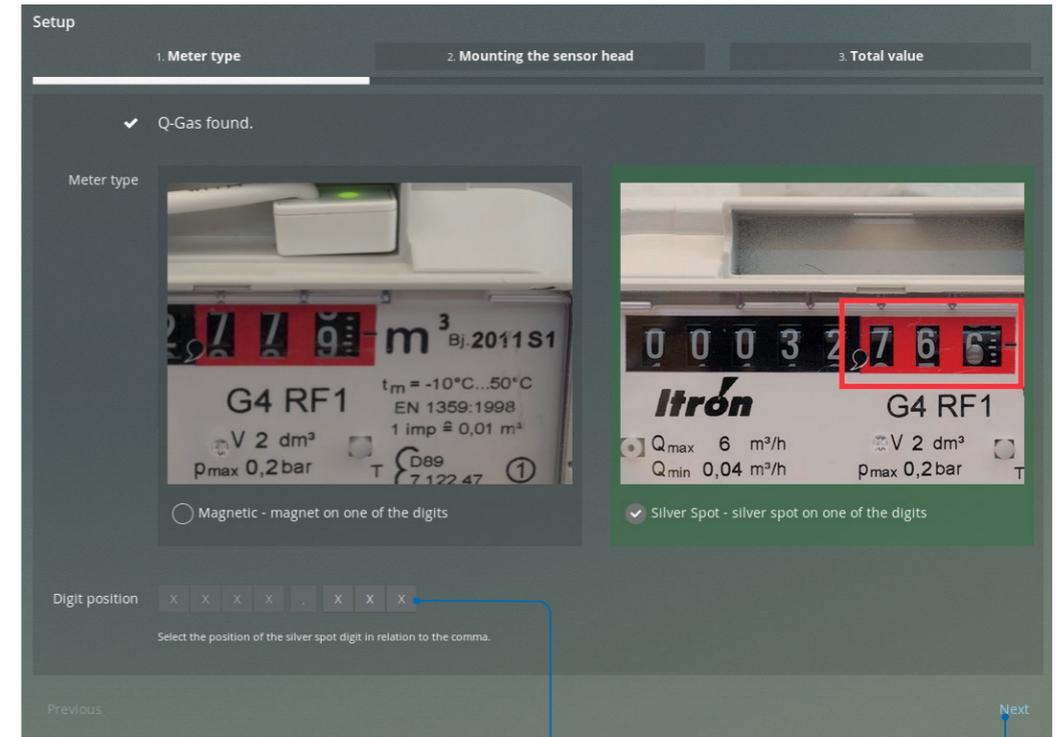
10m Click **Finish**

WELL DONE!

You have finished installing your **Q-Gas** on a **magnetic meter**. Your **HomeManager** should now be receiving data from it. Remember that the **Q-Gas** transmits data every 15 minutes, so it may take some minutes before you see your first reading.

5

Following steps are for **silver spot meters** only.



5s Click on the corresponding **digit** here.

6s Click on **Next**

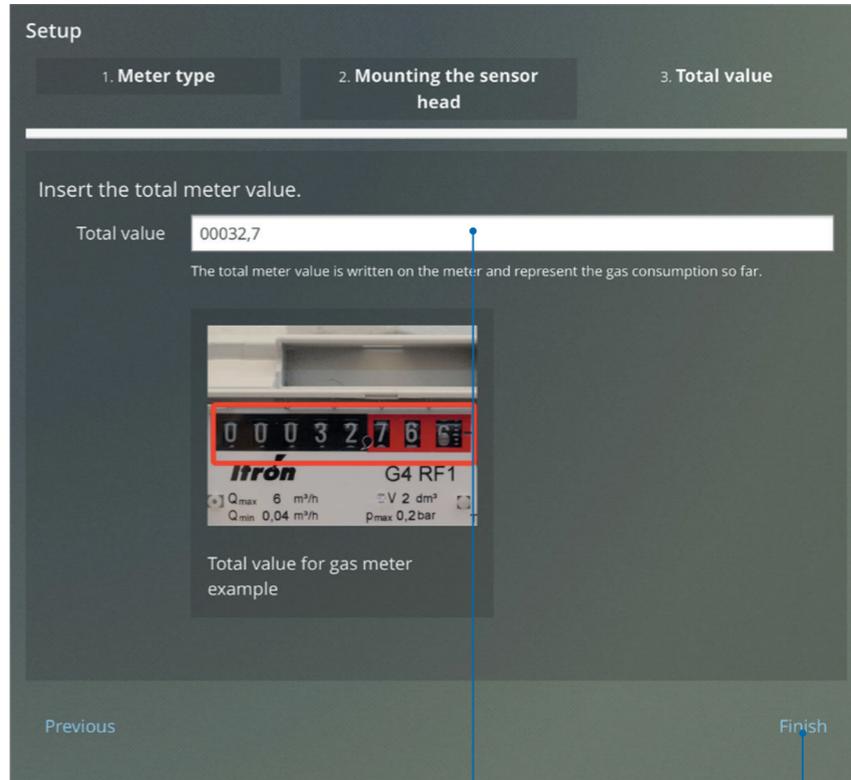
On a **silver spot** type meter look for the spot on one of the digits. The spot is usually found on the **last digit**.

7s Install the **sensor head** on the meter - please follow the online instructions.

Remember to scroll down to see all the instructions and images!



The **sensor head** will partially obscure the numbers - so **write down** the consumption first.



8s Enter the **total consumption** from the meter

9s Click **Finish**

WELL DONE!
You have finished installing your **Q-Gas** on a **silver spot meter**. Your **HomeManager** should now be receiving data from it. Remember that the **Q-Gas** transmits data every 15 minutes, so it may take some minutes before you see your first reading.

The **Danfoss Living Connect** is electronic radiator thermostat which enables you to control and manage your heating remotely through your **HomeManager** account.

6. Danfoss Living Connect Installation



Danfoss Living Connect Installation

After clicking on the **Danfoss Living Connect Install** button on **HomeManager** page (chapter 3) it is necessary to prepare your radiator.

The following instructions are taken from the official Danfoss installation manual. Danfoss installation manual is always leading in case of any problem, please follow those instructions.

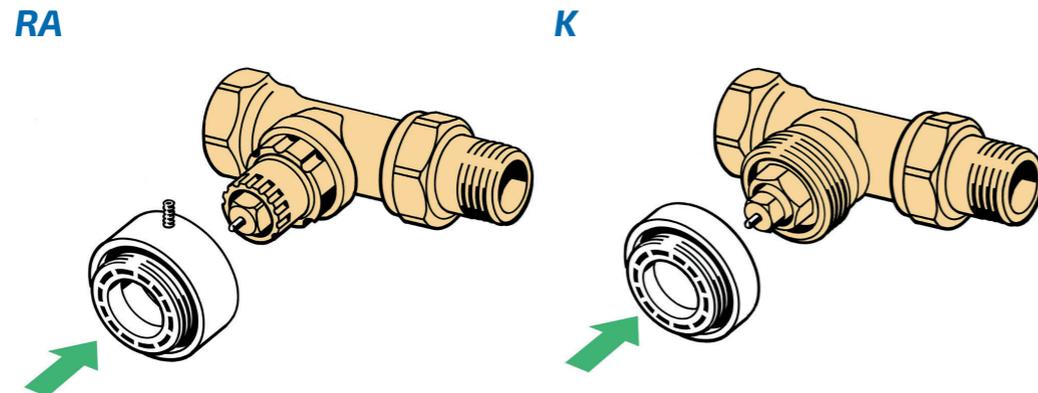
1 Remove the old thermostat

If it is a type **RA thermostat**, you will find a small screw on the side - loosen it with the Allen key (included in the box) to remove the thermostat.

If it is a type **K thermostat**, remove it by firmly twisting the innermost part (close to the pipe) counter-clockwise.

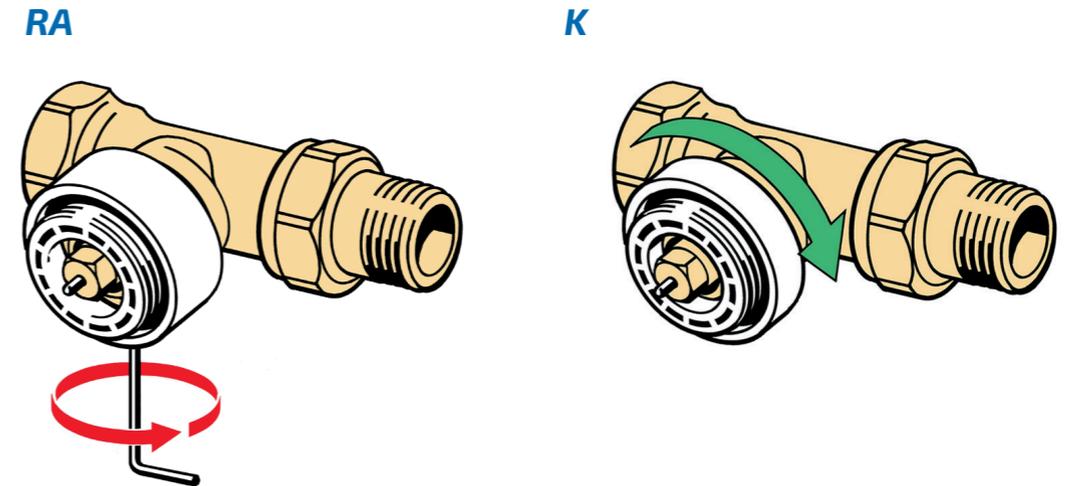
In case of installation problems (e.g. very old heater) you need to buy the **Danfoss adapter valve kit**.

2 Attach the adapter for the new thermostat



Danfoss Living Connect Installation

3 Tighten the adapter for the new thermostat

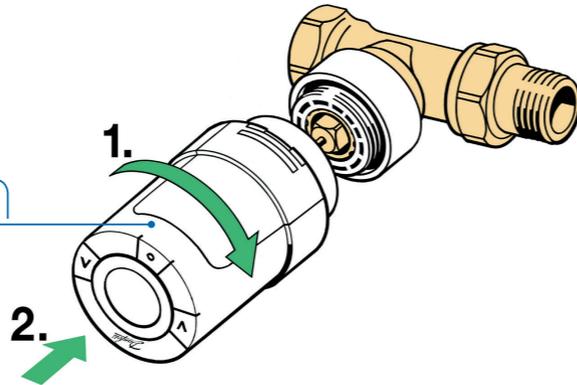


On the **RA type**, tighten the small screw.

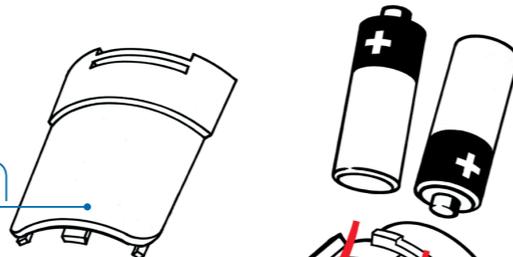
DO NOT insert the batteries before mounting the thermostat. This is because the internal motor will close the valve, and you will have to use much more force to tighten it on.

6

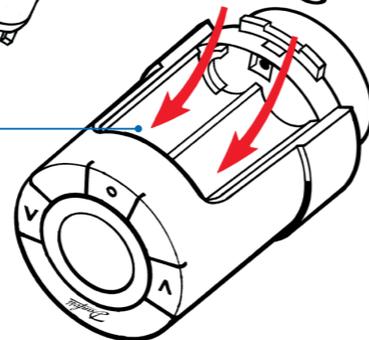
4 Tighten the thermostat on by hand



5 Twist the battery compartment upwards



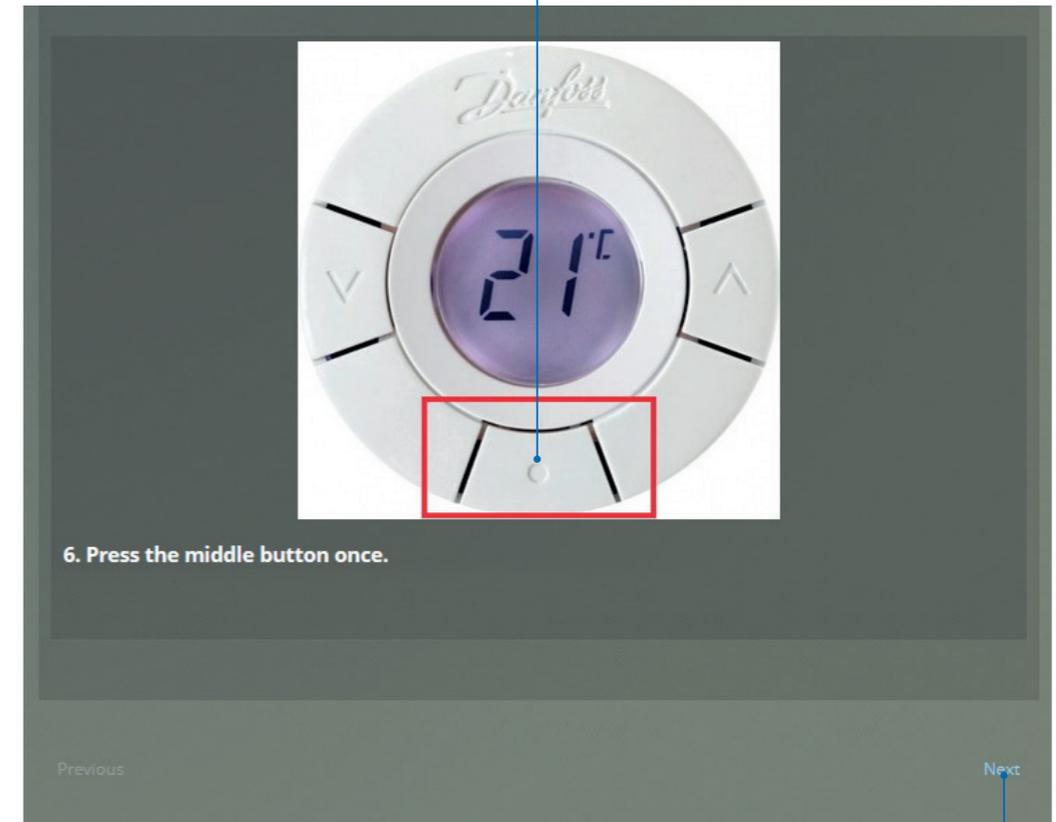
6 Insert the batteries



You have just finished the mechanical installation of the thermostat. If in doubt check the Danfoss manual.

You are now ready to connect the **Danfoss Living Connect** to **HomeManager**.

7 Press the **middle button** once



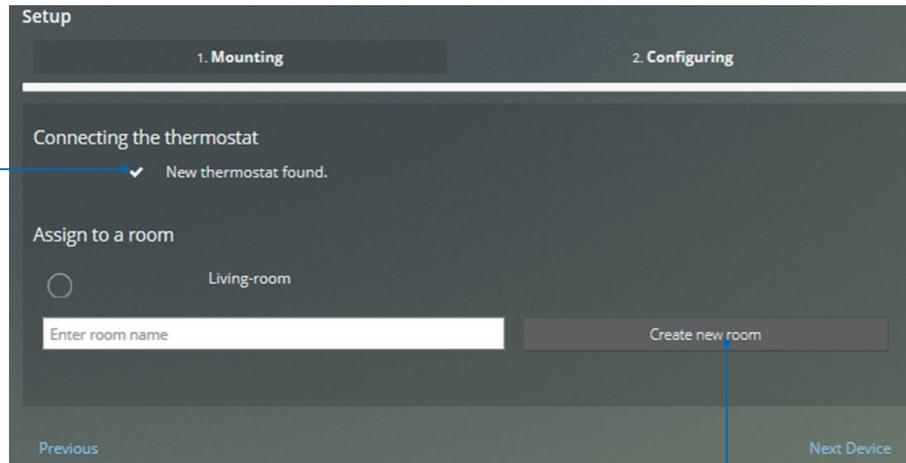
8 Click on **Next**

6

Danfoss Living Connect Installation

If connection process fails, please check our [FAQ section](#) on [northq.com](#)

9 Check if the device is **found**



10 Create a new room clicking **here**

11 Assign the thermostat to a **room**

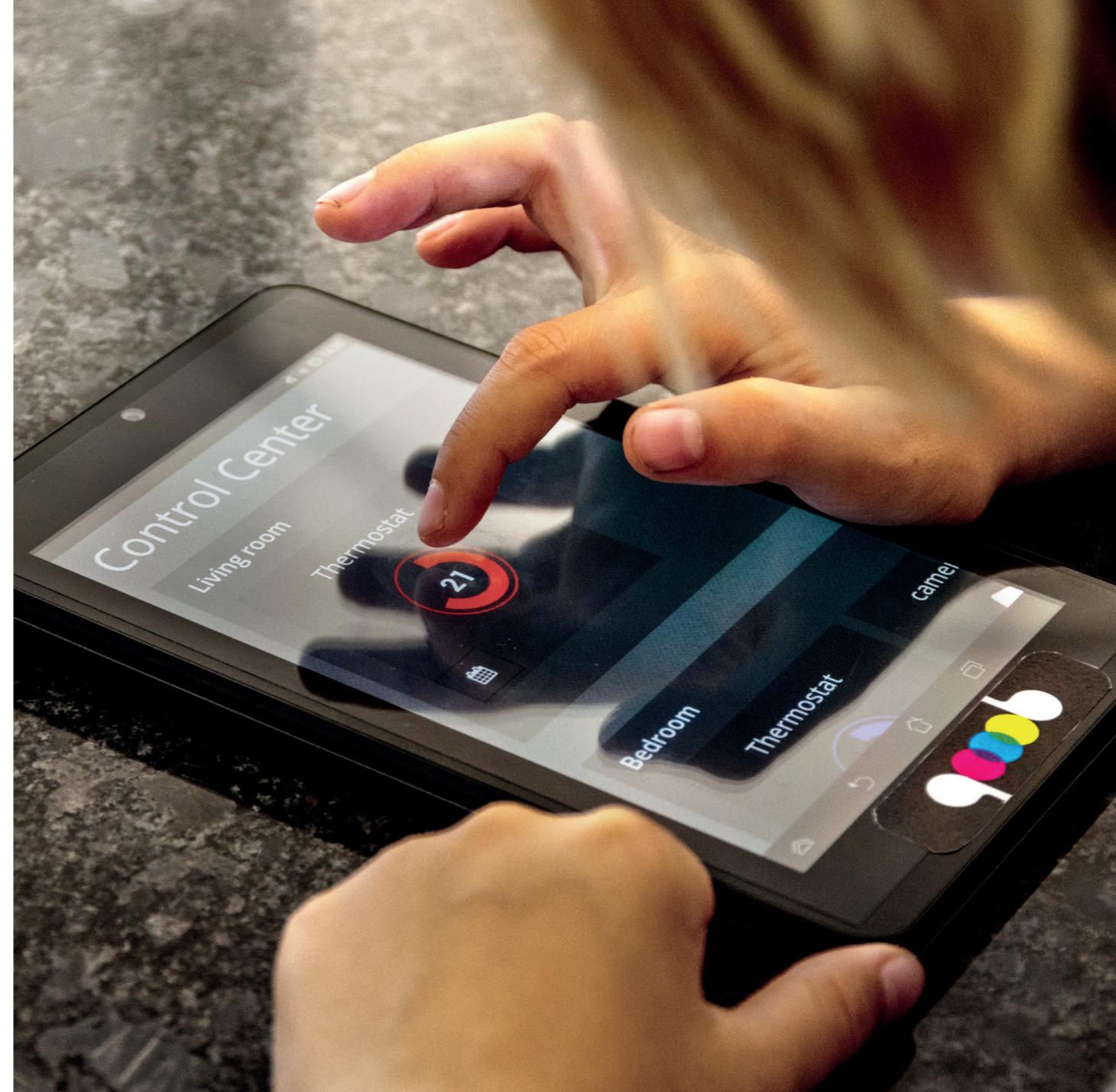
12 click on **Next Device**, or return to your home screen

As one or more thermostats will heat up one room you have to assign each thermostat to the room you want to control.

Please note that you **can't install** more than **16 thermostats** and create more than **9 rooms**.

WELL DONE!

You have finished installing your **Danfoss Living Connect**. Your **HomeManager** should now be receiving data from it. Remember that you can see the set point change within 5 min or after you press any button on the **Danfoss Living Connect**.



The **Q-Plug** is the device which enables you to remotely control and monitor individual appliances, it measures their energy consumption so you can visualize it in your **NorthQ HomeManager** account.

7.Q-Plug Installation



Q-Plug Installation

After clicking on the **Q-Plug Install** button on **HomeManager** page (chapter 3) you have to get the device ready.

1 Insert the **Q-Plug** into a socket

2 Press the button **once**

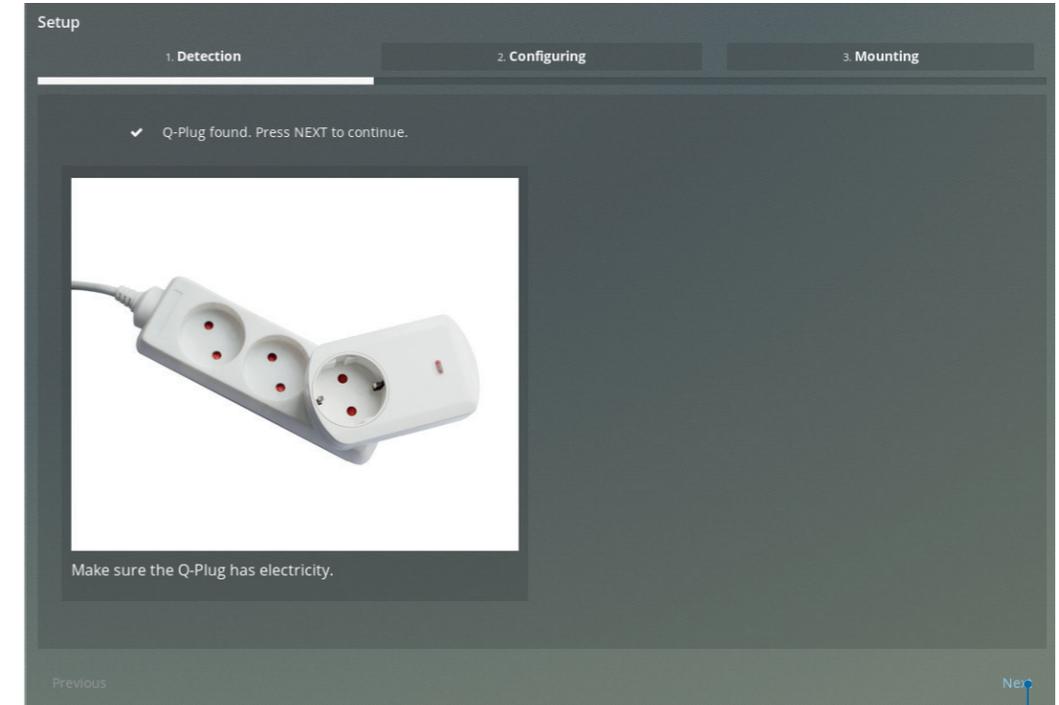


The LED will **light up** when the plug is switched on.

Q-Plug Installation

The system will automatically find the **Q-Plug**.

If **Q-Plug** is not found, please check our **FAQ section** on northq.com



3 Click on **Next**

In order to manage the **Q-Plugs** in an easy way, they can be named differently and assigned to rooms. It is **necessary** to create at least one room, if not so done in a previous step.

Setup

1. Detection 2. Configuring 3. Mounting

Give a name to the Q-Plug and assign it to a room.

Q-Plug name

Please enter a preferred name for the Q-Plug.

Assign to a room

Living-room

Enter room name.

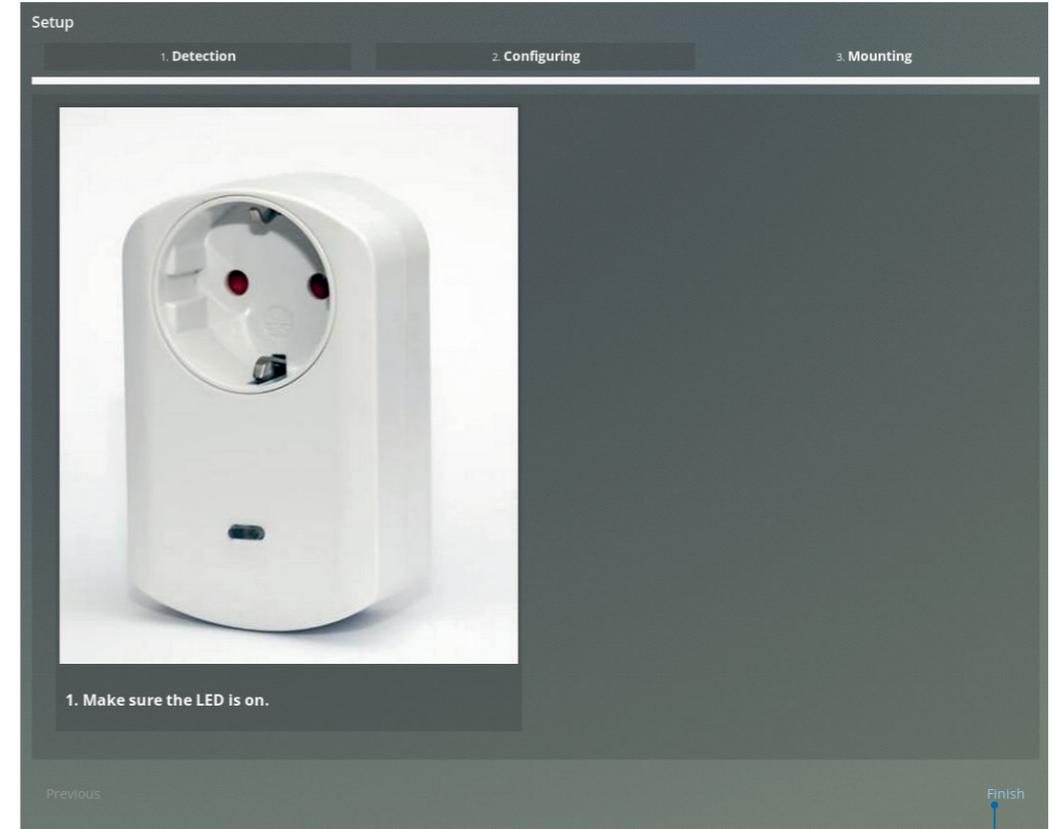
Create new room

Previous Next

4 Give the plug a **name** (e.g. "bed lamp", "TV" etc.).

5 The plug can be assigned to a **room**. To create one click **here**

6 Click **Next**



7 Click on **Finish**

To check the proper operation of the **Q-Plug**, switch it on and off via **HomeManager**. Red LED means the **Q-Plug** is switched on, otherwise it is switched off.

WELL DONE!

You have finished installing your **Q-Plug**. Your **HomeManager** should now be receiving data from it. It may take some minutes to see data on the consumption page of **HomeManager**.

WELL DONE!

Installation has been completed and the kit can be used via **HomeManager**.
For any questions please visit our **Frequently Asked Questions (FAQ)** on the NorthQ website, <http://northq.com>.



NorthQ

A New Way of Living

NorthQ ApS

Strandvejen 157 | 2900 Hellerup | **Denmark**
email: support@northq.com | **website:** www.northq.com
main phone: +45 7027 1818 | **sales phone:** +45 6991 4034