

mill

Assembly and instruction manual

Series:
Color Smart WiFi
Panel Heater



Scandinavian home comfort

Mill is a Norwegian brand that develops heating and indoor air quality products tailored for your modern home. Inspired by Scandinavian nature, our products are designed to sustain the toughest of climates to ensure safe, efficient and comfortable temperatures, as well as good air quality.

Mill products are praised for their minimalistic and elegant features as they blend in naturally with any modern interior. Our advanced and user-friendly technology will support a relaxing and healthy home space with reliable temperatures and air quality. Mill's vision is to develop products that create an enjoyable and harmonic household atmosphere, enhancing both comfort and style; the ultimate Scandinavian home comfort.

We hope you enjoy your Mill product.

ErP energy efficiency data

Our products strictly comply with ErP relevant regulation and directive.

You can find energy efficiency data for each model on the final pages of this booklet.

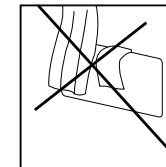
Declaration of Conformity

Mill International AS declares that the products comply with Directive 2014/35/EU. A complete Declaration of Conformity is available on request.

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Please read the instructions carefully before use. Take good care of this manual for later use.



**STORE THIS INSTRUCTION
MANUAL FOR FUTURE USE!**

**NEVER TOUCH YOUR HEATER OR ITS
CASING WITH WET HANDS!**



**WARNING: In order to avoid overheating,
do not cover the heater.**



Important safety information

You must obey common safety guidelines when using electrical products, especially in the presence of children.



WARNING! To avoid electric shock or damage due to the heat, always make sure the plug is pulled out before the heater is moved or cleaned.

READ THE INSTRUCTIONS CAREFULLY

- The product is intended for home use only.
- Make sure the heater is connected to the house's regular mains as indicated on the heater.
- New heaters will produce a specific odor when used the first time. This will stop after a short time and is completely harmless.
- Check for any pieces of packing foam or cardboard that may have fallen into the heating elements of the heater. These pieces must be removed to avoid unpleasant odors.
- Prevent the heater from overheating — do not cover.
- Always turn off the heater and unplug it when not used for a long period of time.
- Pay special attention if the heater is used in rooms where children, the handicapped or elderly reside.
- The heater should not be set up directly beneath an electrical socket outlet.
- The cord must not be laid under any kind of carpet. Make sure the cord is laid in such a way that nobody can trip on it.
- The heater must not be used if either the cord or plug is damaged. The heater must not be used if it has been dropped on the floor or is damaged in any other way causing it to malfunction.
- The cord must be repaired by the manufacturer or by an expert if it has been damaged, to avoid dangerous situations.
- Avoid using extension cords, which may overheat and could possibly start a fire.
- Never cover the air vents on the heater. Avoid potential fire hazards by making sure the air intakes are not blocked or covered. The heater should be used in rooms with normal flat floors.
- Use this heater on a horizontal and stable surface, or fix it to the wall, as applicable.
- The heater should not be installed in close proximity to flammable materials of any kind because there can always be a risk of fire.
- The heater must never be used in rooms where gasoline, paint or other flammable liquids are stored, such as in a garage.
- Never touch an electric heater with wet hands. The heater should be installed so a person showering or taking a bath cannot come into direct contact with it.
- Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.
- The heater must be switched off, the plug removed and the heater must cool down before it is moved.
- Avoid overloading the mains (the circuit) where the heater is connected. The heater may overload the electrical circuit if other electrical devices are plugged into the same socket outlet.
- **WARNING:** Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.
- The product cannot be used by children under 8 years of age and persons with reduced physical or mental abilities or lack of experience and knowledge unless they have been given supervision or instruction in the safe use of the product and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Children of less than 3 years should be kept away unless continuously supervised.
- Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.
- Do not use if there are visible signs of damage to the heater.

- **WARNING:** To reduce the risk of fire, keep textiles, curtains, or any other flammable material a minimum distance of 1 m from the air outlet.

Specification

Model	Thermostat	Color	Height	Width	Amperage	Power (W)	IP	WiFi
COLOR600WIFI4	WiFi	White	40,0 cm	66,5 cm	220-240V~, 50-60Hz	600	IPx4	802.11b/g/n/ax
COLOR700WIFI4	WiFi	White	40,0 cm	66,5 cm	220-240V~, 50-60Hz	700	IPx4	802.11b/g/n/ax

Maximum transmitting power: ≤20dBm

Frequency range: 2400-2483.5MHz

The heaters are approved for use in zone 2 in wet rooms (IPx4 approved)

ATTENTION! The heaters will be connected directly to your WiFi router and it is therefore important to make sure the router has sufficient capacity for the number of active devices connected at the same time.

Before first use

After unpacking the heater, check to make sure the product was not damaged during transport. Contact the retailer or importer if you discover any visible damages to the product.

Keep the outer packaging to transport the heater in the future. If you want to dispose the packaging, make sure it is done properly. Keep plastic bags away from children.

First use

After turning on the heater for the first time or after an extended period without use, the heater can produce a burnt odor for a short time. This is normal.

Please read all the instructions carefully before use. Save the instruction manual for future use

It is also normal for the heater to make “sounds” when it warms up or cools down.

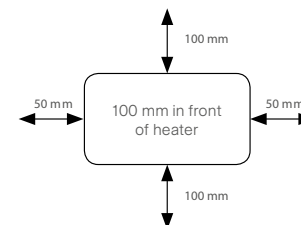
Description of heater

See figure 1 on separate illustration sheet

1. On/Off
2. Wall bracket
3. Temperature sensor
4. Heat emission
5. Thermostat
6. Paintable front panel



Minimum distances



Assembly

See figure 2 on separate illustration sheet

- Drill holes in the wall for holes 1 & 2. Then drill holes in the wall for the topmost holes (holes 3 & 4 by using 6)
- Insert the wall plugs into the drilled holes and attach the bracket with 4 screws
- Place the heater on the lower lugs on the bracket, then hang the heater on the upper lugs (lift the heater slightly to align the heater with for the upper lugs). Screw in the locking screws on the top of the bracket (clockwise)

Attention! Horizontal placement only

How to paint your Mill Color panel heater

Give your heater a personal touch!

Mill Color panel heater features a matte white painted front panel and can be used as it is. However, you can also choose to paint the panel heater in the color of your choice to match your interior. Follow these simple steps for a professional finish, whether you prefer the same color as your wall for a discreet look, or a bold, creative color that stands out.

Important: The front panel should be handled with care to avoid breakage or damage.

Important: Do not cover the front panel with textile or any other flammable material.

Scan for painting instruction video



<https://www.youtube.com/watch?v=oCZ-0guCTRs>



Before your start painting

- Make sure the heater is completely cold and disconnected from the power supply.
- Work in a dust-free and well-ventilated area.
- Protect the floor or work surface with a cover to avoid paint spills.
- Use acrylic-based wall paint for the best result.
- No primer needed; the heater is already coated with white matte acrylic paint.

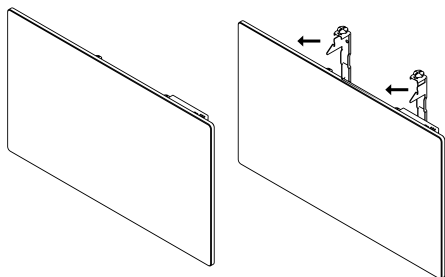
Important: Do not use spray paint or solvent-based products.

Step-by-Step Instructions

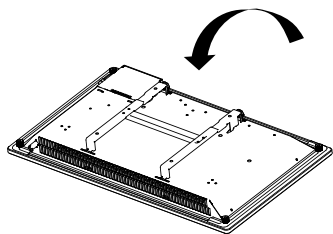
The heater can be painted while hanging on the wall or by placing it on a flat surface with the paintable front facing upwards. Make sure you do not spill paint in the air outlet.

If you wish to paint the visible part of the backside, you can use a small paint brush or you can follow the steps below for removing the back plate to avoid any painting marks on the backplate:

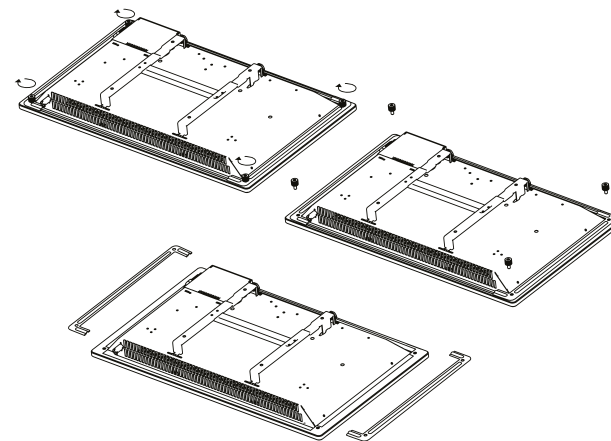
STEP 1: Remove the heater from the wall.



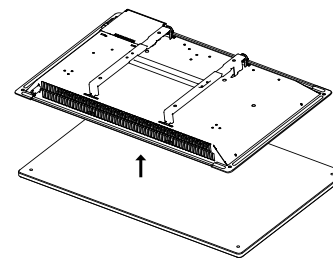
STEP 2: Place the heater on a soft surface on the floor, with the front plate facing down.



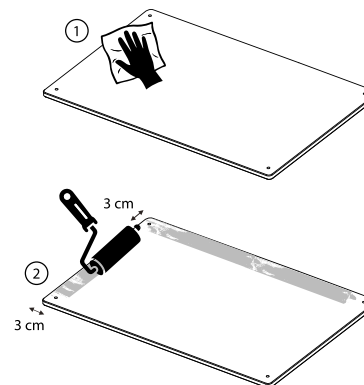
STEP 3: Unscrew the four screws in each corner and remove the screws and brackets.



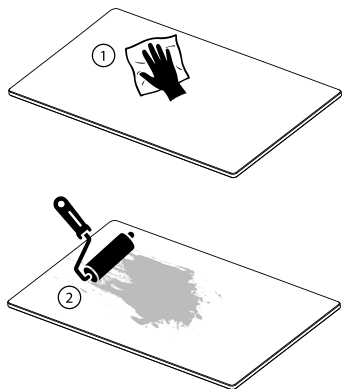
STEP 4: Lift off the back cover and store it safely.



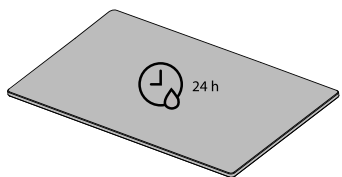
STEP 5: Wipe the surface with a microfiber cloth before painting. Apply paint with a roller approximately 3 cm from the edge. We recommend two layers of paint for the best result. Drying time depends on type of paint, usually around 2 hours.



STEP 6: When the paint is dry, turn the front plate over. Wipe the surface again and apply two layers of paint to the edges and front surface.



STEP 7: Allow the front panel to dry completely before reattaching it.



Reattaching the Front Panel

1. Make sure to reattach the back plate while the front plate is facing down, just as when you removed it.
2. Insert the four mounting screws into the holes in the back plate.
3. Carefully tighten the four screws by hand until you feel resistance. Do not use tools or apply high torque.

Important: Do not overtighten, as this may damage the screw threads or the fixing point.

4. Reattach the heater to the wall.

Power indicator

See figure 3 on separate illustration sheet

If the heater uses power (for example, when it heats up), the power indicator is on ⚡



Temperature calibration

See figure 4 on separate illustration sheet

It may occur deviation between the temperature registered by the heater and the actual temperature in the room. This can be caused by several reasons, however, the most common is that the heater is placed in a fair distance from where you usually reside. When you set the temperature to for example 22 degrees, it is only natural that you expect the same temperature where your sofa is placed for instance. However, the temperature sensor is placed on the product itself, and therefore a deviation in temperature may occur. To adjust this, all Mill heaters are equipped with a calibration function, which enables you to adjust the temperature registered by the heater. N.B! The room must have achieved a stable temperature before any calibration.

Press to enter the menu and use + and - button to navigate the menu until you see "CAL" in the display. Press to enter calibration mode. The registered room temperature will blink on the display. Use + or - button to set the actual temperature observed in the room. Confirm with or wait 10 seconds for automatic confirmation. (Can be done even if you are connected to WiFi)

Resetting the heater

See figure 5 on separate illustration sheet

Press to enter menu. Use + and - button to navigate the menu until you see "Hr" in the display. Press to enter reset mode. Press + or - button to choose between "YES" or "NO". Select option by pressing . After selecting "YES", the "YES" label blinks twice and heater restarts. For a few seconds the whole display is off, before the heater starts normal operation.

Memory function

The heater remembers all the temperature settings and will automatically return to the desired temperature after a power failure. If your heater is connected to WiFi it will automatically reconnect with WiFi (where all temperatures are saved) after a power cut.

"Open Window" function

The heater has an "open window" function that is activated instantly when it registers a sudden drop in temperature with more than 5 degrees Celsius in 15 minutes. The heater will automatically stop heating and FO will be visible in the display of the heater.

While in open window mode, it will maintain 5°C (to avoid frost damage).

The heater will automatically start heating again if temperature increase by at least 3 degrees within 15 minutes.

The heater will stay in open window mode for maximum 1 hour, it then will go back to normal heating mode.

Follow the steps below to enable/ disable open window function:

Press to enter menu. Use + and - button to navigate the menu until you see "Fo" in the display. Press to enter open window function mode. Press + or - button to choose between "On" or "Off". Select option by pressing . This will enable or disable the open window function. You can also disable/enable open window function from the app if connected to WiFi.



Instructions

TIPS! The thermostat can be used as a regular electronic thermostat (i.e. the heater will maintain a constant temperature 24 hours a day). Please see the section explaining usage without WiFi connection for further information

Control Panel

See figure 6 on separate illustration sheet

1. Display (shows the desired room temperature by default)
2. WiFi indicator
3. Power indicator — Shows whether the heater is using power or not
4. Control button (+) (increase temperature)
5. Control button (–) (reduce temperature)
6. WiFi button
7. Settings button
8. LED lights indicating how much power the heater is using

ATTENTION! In the event of a power cut, the thermostat will reconnect with WiFi where all the temperatures are saved.

WARNING! BEFORE THE HEATER IS TURNED ON, IT MUST BE ATTACHED TO A WALL. IF THE HEATER IS NOT INSTALLED CORRECTLY OR IS INSTALLED ASKEW, THIS MAY CAUSE THE HEATER TO MALFUNCTION OR IN THE WORST CASE, BE DAMAGED.



If the temperature sensor is not functioning properly, you will see this symbol on the display. Please contact the dealer or importer.

Usage without WiFi connection

Set desired temperature without WiFi connection

See figure 7 on separate illustration sheet

Press the arrow buttons to set the desired temperature. The heater keeps an even temperature the whole day and night.

Child lock

You can enable/disable child lock from the app. But in addition, you can also enable/disable child lock from the heater itself. Turn off the heater using the main power switch.

Press  to enter menu. Use + and - button to navigate the menu until you see "ChL" in the display. Press  to enable "Child Lock". "ChL" will blink on the display twice and "Child Lock" is activated. To unlock, quickly press  5 times. "ChL" will appear on the display and "Child Lock" will be disabled.

Commercial Lock

You can enable "Commercial Lock" from inside the Mill app once the device is connected. Please follow in-app instructions to enable/disable "Commercial Lock".

Usage with WiFi connection

A free app is available for downloading for iOS and Android.

By connecting your heaters with the iOS/Android device you can do the following:

- Control all your heaters situated in multiple locations . Everything is controlled with the Mill app (with same user)
- Set up weekly programs (or use the standard program already available in the app) by using the 4 modes: Comfort, Sleep, Away and OFF
- Set individual temperature for different modes in each room
- Override the set programs for the whole house, a specific room or a specific heater. There is no need to edit your program if you get home earlier than normal one day
- Enable vacation mode for saving energy while you are away. The app will automatically increase the temperature in your house before you get back home.
- Share your house with other family members, making control easy
- If internet is down the heater will follow its weekly program which is stored on the heater. One can easily turn off the WiFi on the heaters and control them manually, so that the heaters keep an even temperature throughout the whole day and night.
- + many other things

To download the app search for "MillNorway" in Appstore or Google Play and install the app on your device.

Before use:

Be aware that the Mill app must be installed before you can connect your

heaters to your WiFi network. You can then simply follow the instructions given in the app when connecting your heaters. The heaters will connect directly to your router via WiFi with 2,4 Ghz mode b/g/n/ax. Bluetooth is needed for provisioning, so make sure its enabled. Minimum OS requirement: iOS 8.0 and Android 5.0

Go to our help desk at www.millnorway.com for more information or if you have any questions regarding the Mill app, connecting to WiFi or other relating questions.

ATTENTION! The heaters will be connected directly to your WiFi router and it is therefore important to make sure the router has sufficient capacity for the number of active devices connected at the same time.

Color codes (WiFi control light)

-  The heater has not been connected to WiFi.
-  The heater is online in the Mill cloud.
-  When installing/connecting the Mill app and cloud, the light will flash in various speed. This is normal.
-  The heater has a problem connecting to or finding the WiFi signal. Please do the following:
 1. Please turn the heater OFF and ON again



2. Please restart the WiFi router
3. Please check the WiFi router to make sure the capacity is sufficient for the number of active devices connected at the same time
4. Please make sure 2,4 Ghz is activated. If the problem persists please get in touch with support.

 The heaters are offline and have no contact with the Mill cloud

Activating WiFi

See figure 8 on separate illustration sheet

Press the plus sign and then «New device» on the home screen in the Mill app. Follow the instructions in the app.

Delete WiFi setting

See figure 9 on separate illustration sheet

Press  to enter menu. Use + and - button to navigate the menu until you see "Sr" in the display. Press  to enter "Soft Reset". Press + or - button to choose between "YES" or "NO". Select option by pressing . The heater will now reset your WiFi settings.

Activating Zigbee

1. Press  to enter the menu.
2. Use the + and - buttons to navigate to "C2b" on the display.
3. Press  to activate Zigbee. The Wi-Fi light will blink green, indicating the device is ready to pair.
4. If no pairing occurs within 60 seconds, Zigbee will automatically turn off.

Resetting Zigbee

1. Press  to enter the menu.
2. Use the + and - buttons to navigate to "R2b" on the display.
3. Press  to enter Zigbee reset mode.
4. Use the + or - button to select "YES" or "NO."
5. Press  to confirm your choice.

Selecting "YES" causes the label to blink twice, resets Zigbee, and restarts the heater.

6. The display will turn off briefly before the heater resumes normal operation.

Activating Matter

1. Connect your heaters to the Mill Norway app.
2. Follow the instructions in the app.

Switch from Matter to Mill

1. Press  to open the menu.

2. Use the + and - buttons to navigate until "rA" appears on the display.
3. Press  to select the "rA" option.
4. Use the + or - buttons to select "YES" or "NO".
5. Press  to confirm your selection.
6. If you select "YES", the label flashes twice, the heater resets back to the Mill cloud and restarts.
7. The display goes out briefly before the heater resumes normal operation.
8. You can now connect your device to the Mill Norway app.

Maintenance

1. For cleaning, always unplug the heater and leave it to cool.
2. Wipe the heater regularly with a damp cloth and dry the surface before turning on
3. The heater must be cleaned at least once a month during the heating season.
CAUTION! The heater should never be immersed in water.
Avoid using detergents to clean the heater.
Never let any water get inside the heater; this can be hazardous.
4. Dust etc. should be removed with a soft cloth.
5. The heater can be stored in a dry and clean place.
6. If the heater stops working, do not attempt to repair it yourself because it can cause a fire hazard and/or electric shock.

Warranty

Mill offers consumers 5 years warranty for any Mill product from date of purchase by a consumer. For business customers, a warranty period of 2 years will apply (applicable in case the end-users are businesses). This warranty provides the customer with a right to, at Mill's reasonable discretion, either repair, replacement of a defected product, or alternatively a refund.

The warranty only covers defects that originates from Mill. The customer will therefore not have a valid warranty claim if the defect is a result of circumstances such as the following:

- Negligent use, misuse, neglect, or careless operation of the product not in accordance with the Mill user manual.
- Defects caused by transport incurred outside Mill's responsibility.
- Normal wear and tear, including parts that might wear out over time as for example batteries for remote controls (if applicable), filters, tubes, and lamps for outdoorheating etc.
- Damage because of use not in accordance with the rated power and Hz.
- Damage caused by inadequate product maintenance.
- Damage from electrical outages, power surges and/or weather.
- Damage as the result of not installing or assembling the product in accordance with the Mill user manual.
- Use of parts and accessories, i.e., filter, which are not official Mill certified components.
- Repairs or alterations carried out by parties other than Mill or its authorized agents.
- Minor deviations from the stated quality that are insignificant for the value and soundness of the product or deviations that the customer could reasonably expect.
- Devices used with third-party software or equipment.

- Software and connectivity issues due to local restrictions in accessing our cloud services.
- Software and connectivity issues due to non-supported third-party devices.
- App or cloud/online service downtime does not fall under warranty.

Mill must provide evidence that the product's damage has not existed when the product was sold to the customer within the first year after the purchase.

For the avoidance of doubt, this warranty does not provide the customer or any third party with any right to damages, compensation nor price reduction of any kind. Mill will not have any obligation under this warranty to cover any losses incurred by the customer or any third party.

These warranty terms are only valid for customers, who purchase products through authorized Mill resellers.

The customer's rights and remedies pursuant to applicable mandatory law will not be limited nor affected by this warranty.

The seller will handle the warranty claim on behalf of Mill. To make a claim under this warranty, an end-consumer has to follow the steps described below.



Claims Process / Required Documentation

1. Contact the Mill Authorised Reseller where you purchased the product. Bring your original receipt for the purchase, serial number of the product, and the faulty product.
2. The Mill Authorised Reseller tests the product and evaluates if the claim is covered by the end-consumer warranty.
3. If the claim is covered by the warranty, the Mill Authorised Reseller, in accordance with instructions from Mill and based on consumer law, decides whether to repair, replace or refund the product.

Waste disposal

The symbol  indicates that this product is not to be disposed of together with household waste. This product must be delivered to a recycling service or container for electrical appliances and electronic equipment. This is done to avoid health risks and prevent harm to the environment. Local businesses (or the environmental station in your neighborhood) are required by law to accept and recycle such products, as a means of environmentally sound disposal.

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