



FJORD PRO

User Manual

Fjord Pro

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Welcome to your Adlår Heat Pump

Congratulations on choosing sustainable heating and hot water. To ensure that you get the most out of your heat pump, we have put together a concise and easy-to-use operating manual for you. Let's get started!

Maintenance Tips:

To keep your heat pump in top condition, simply follow a few guidelines. Clean the dirt filter regularly and keep the vent surfaces free of dirt and obstacles. For professional maintenance, the Adlår team is always ready to help you.

Need Help?

Do you have questions or are you stuck? Our support team are here to help. Feel free to contact us by phone or email, and we will be happy to help you. Thank you for choosing the Adlår Heat

Pump. We are confident that you will enjoy this user friendly and energy-efficient heating solution. Experience the comfort and sustainability that your heat pump offers all your round.

Warmest regards,
Team Adlår

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MAIN SCREEN OVERVIEW



Symbol	Description
01	On/Off button
02	Gray symbol – Ventilator is Off
	Intermittent Orange symbol – Ventilator has begun the countdown to turn ON
	Green symbol – Ventilator is ON
03	Gray symbol – Solenoid valve is Off
	Intermittent Orange symbol – Solenoid valve has begun the countdown to turn ON
	Green symbol – Solenoid valve is ON
	Gray symbol – Chrono function valve is disabled
	Orange symbol – Chrono function is enabled and waiting for the date and time that it should activate.
04	Green symbol “WE” – Chrono function is enabled and active during the week.
	Green symbol “WND” – Chrono function is enabled and active during the weekend.
	Green symbol “DI” – Chrono function is enabled and active during the week and weekends.

	Gray symbol – Disinfection function is disabled.
	Orange symbol – Disinfection function is enabled and waiting for the date and time that it should active.
05	Green symbol – Disinfection function is enabled and active
	Grey symbol – Vacation function is disabled
06	Green symbol – Vacation function is enabled and active.
	Grey symbol – Solar function disabled.
	Red symbol – Solar function is enabled but inactive due to error.
	Intermittent Orange symbol – Solar function is enabled but inactive waiting for the flow switch signal to activate.
07	Green symbol – Solar function is enabled and active
	Grey symbol – Recirculation pump is enabled and active
	Orange symbol – Recirculation pump is enabled and waiting for the date and time that it should active.
08	Green symbol – Recirculation pump is enabled and active
	Grey symbol – Wi-Fi connection disabled
09	Green symbol – Wi-Fi connection enabled and active
10	Mode Selected
11	Time
	Grey symbol – Electric heater disabled
	Orange symbol – Electric heater is enabled but inactive waiting for the conditions to turn ON to be met
	Intermittent Orange symbol – Electric heater is enabled and has begun the count-down to turn ON
12	Green symbol – Electric heater is ON
	Grey symbol – Compressor disabled
	Orange symbol – Compressor is enabled but inactive waiting for the conditions to turn ON to be met.
	Intermittent Orange symbol – Compressor is enabled and has begun the count-down to turn ON
13	Green symbol – Compressor is ON
14	Blue symbol – Compressor is active and performing a defrost function.
15	Menu access button

OPERATING MODES

At the main screen, select the button below the temperature value that can show any of the three values activated.

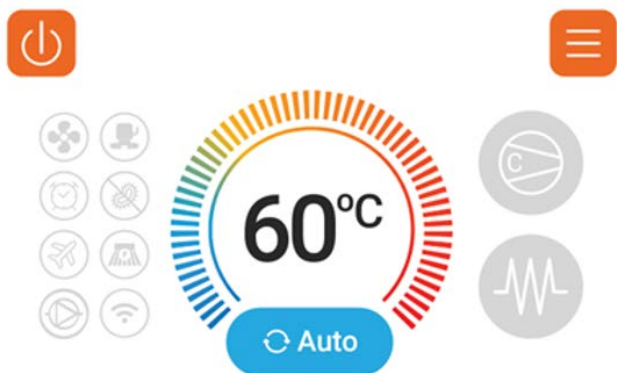


Figure 1 – Functioning mode button selector

- Select the desired mode



Figure 2 – Choose one of the three modes where the currently active mode is AUTO

ON/OFF BUTTON



The On/Off button shuts down the equipment with ease where when this button is pressed the machines shuts down and the screen turns gray. When you restart the equipment using the same button you must enable the compressor and electric heater to allow the activation of these two components.

COMPRESSOR & ELECTRIC HEATER BUTTONS

Regardless of the current state of these two components it is possible to enable or disable them.

To enable the compressor or electric heater:

- Press the corresponding symbol of the compressor or electric heater.
- Press the yes button to enable or disable the selected component.

MENU BUTTON



Figure 3 - Menu page 1



Figure 4 - Menu page 2



Figure 5 - Menu page 3

The menu of this controller has 14 options:

Item	Description
Language	Select the language of the controller
Date/time	Set the time and date of the controller
Timer	Define activation periods of the heat pump and circulation pump
Modes	Check and set the functioning mode of the unit
Vacation	Set a vacation period where your equipment will be disabled
Disinfection	Set a manual or automatic disinfection cycle

Parameters	Check and define the parameters of the unit
Info	Check the value of various probes and some parameters
Efficiency	Check the electrical consumption of the equipment
Access Menu	Access the installer and manufacturer menu
HMI	Access the settings of the display of the unit
WIFI	Configuration of the connection between the heat pump and the App smart life
Events	Check errors and other information regarding the unit
Block Access	Block the screen at the user's request

TIMER SETTINGS

This function can be controlled by the APP or the display where only one of the control methods may be active at a time. If you wish to control using the display, select the "HMI" option on the display, otherwise select the "APP".

This function allows the setting of two working periods for the week and weekend for the heat pump and the circulation pump. To set one or more working periods of the heat pump, follow the next steps:

- Access the menu through the menu button.
- Select the chrono button.
- Select the button with the period you wish to set which can be during the week or during the weekend
- Slide the finger on the values of the time for the beginning and end of the function.
- Slide the finger on the On/Off button to enable or disable the desired period.
- Select the save button to save the modified values on the controller.
- Select the home button to go back to the main screen without further changes.



Figure 5 - Select Clock Symbol



Figure 6 - Select week / weekend

- To set one or more working periods of the recirculation pump, follow the next steps:
- Access the menu through the menu button
- Select the chrono button
- Select the circulation pump button
- Select the button with the period you wish to set which can be during the week or during the weekend.
- Slide the finger on the values of the time for the beginning and end of the function.
- Slide the finger on the On/Off button to enable or disable the desired period.
- Select the save button to save the modified values on the controller.
- Select the home button to go back to the main screen without further changes.

Note: To activate the recirculation on the equipment it is necessary to set one of the solar functions that allows the recirculation (check chapter 4).

Warning: The unit allows the setting of working periods on the display as well as on the APP, however, only one may be active at a time.

VACATION MODE:

This function allows the unit to shut down for some time when the user does not have the need for hot water allowing the equipment to save energy.

To set a vacation period on the unit, follow the next steps:

- Access the menu through the menu button.
- Select the vacation button.
- Set the number of days that you will be absent and do not need hot water as well the time of your arrival using the arrows of each of the timers.
- Slide the On/Off button to activate the set vacation period
- Select the home button to go back to the main screen without further modifications.

Along with this function, at the last day before the end of the function, a disinfection function is also performed automatically to guarantee that the water is not contaminated with legionella bacteria.

DISINFECTION FUNCTION:

This function allows the activation of disinfection cycle where the equipment increases the temperature of the water tank until a predefined value to eliminate the legionella bacteria. This function can be activated manually or automatically defining a set date and time. This function activates the electric heater if it is not already active and maintains this state until it reaches the disinfection setpoint P06 or the disinfection is disabled manually.

To activate this function manually:

- Access the menu using the menu button.
- Select the disinfection button.
- Select the disinfection button on the left.
- Select the home button to go back to the main screen without further modifications.

To set the automatic disinfection function there are three different ways: Weekly, monthly and by number of days.

PARAMETERS:

On this function the unit parameters accessible to the user are presented. To check the complete parameter list, check the chapter 6.6.

To modify one of the parameters, follow the next steps:

- Access the menu using the menu button.
- Use the arrows to navigate to the second page of the menu.
- Select the parameter button.
- Using the arrows, select the parameter you want to modify.
- Select the apply button to save the new value or cancel to keep the previous value.
- Select the home button to go back to the main screen without further modifications

WIFI:

This function allows the user to connect the unit to the APP smart life on the user's mobile phone controlling the unit at a distance. To connect the unit to your phone, follow the next steps:

- Access the menu through the menu button.
- Use the arrows to navigate to the second page of the menu.
- Select the WIFI button.
- Select the button configure device.
- Follow the steps on your phone to connect the device.
- When the device is connected, the icon at the left of the display will turn green referring that the device is connected.
- Use the Home button to go back to the main screen without further changes.



Figure 7 - WIFI Cofiguration



OPERATIONG VIA ADLÅR ÅPP

On the smart life app, you will have the possibility to manage remotely your unit of domestic hot water with functionalities such as configure working mode, water temperature setpoint, vacation mode, verification of electric consumption, and many others.

This APP allows the connection more than one unit of domestic hot water of the ADLÅR brand, you can just add it to the APP.

In order to stay up-to-date with the latest functions and operating instructions, we would like to refer you to an online instruction video. You can watch this video by scanning the QR code "Adlår Åpp - Instruction".

* If the Wi-Fi signal on the installation location of the unit is intermittent or has bad quality, we recommend the installation of a Wi-Fi signal repeater

ADLÅR ÅPP - INSTRUCTIONS



ADLÅR ÅPP - APPLE IOS



ADLÅR ÅPP



CREATE APP ACCOUNT

After the installation of the app, execute it and start the configuration of your account (in case you have not registered yet).

The authentication code will be sent to registered email. In case you have not received it, please request another authentication code.

After the configuration of the authentication code, configure your access password and confirm the registration.

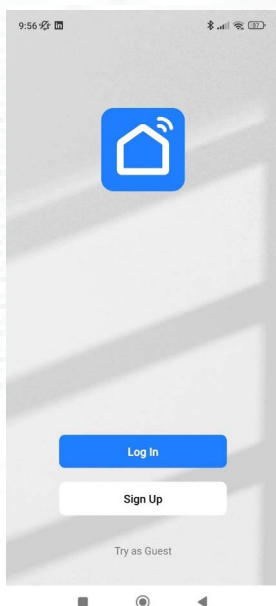


Figure 8:Execute the App

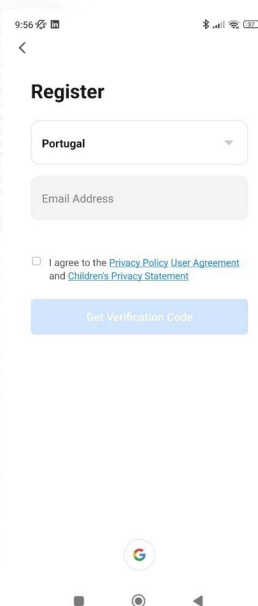


Figure 9: Add email

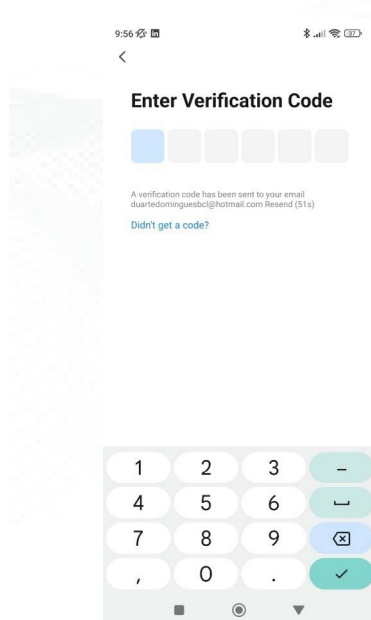


Figure 10: Authentication

ADD DEVICE:

To add a unit to your app you must follow the instructions below on the display of the unit.

- Access the display of your machine.
- Access the second page of the menu to find the WIFI function.
- Select the option to configure.
- Check that the process was initiated:

After the last step on the display, you must now continue the process of adding the unit on the smart life application.

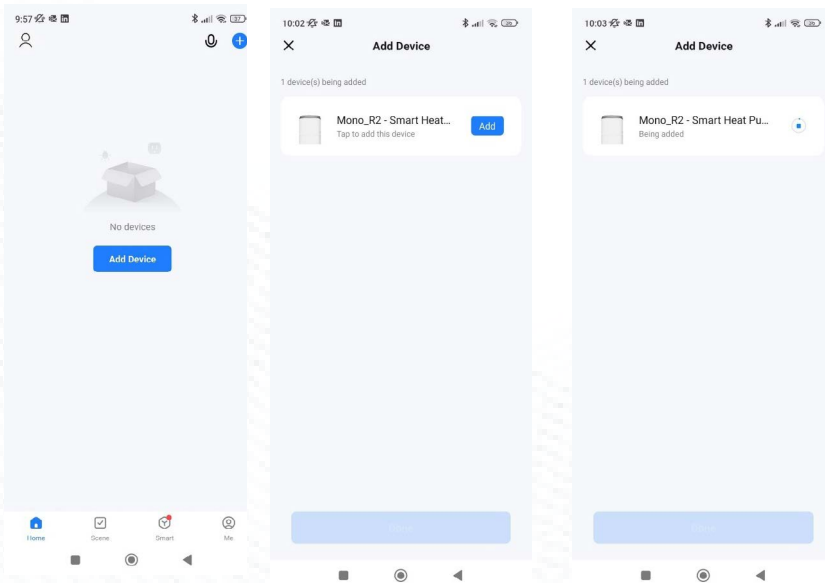


Figure 11 – Adding Device

Notes:

If you insert the Wi-Fi password incorrectly you should restart the Wi-Fi module before trying again. If you are unable to connect the device to the APP by connection error, try to restart the electric board of the equipment. If the error remains, please contact the technical support.

- Wait a few seconds before the device is configured on the network

SMART CONTROL

1. Timers

Timers can be easily set from the APP in the settings sections of each device.

IMPORTANT: Timers should only be set up on the hot water cylinder (Fjord I). Setting timers on the heating and cooling heat pump will have negative impact on the heat pump efficiency. It should also be noted having the heat pump OFF during cold periods risks outdoor pipes freezing.

2. Creating “Scenes”

Scenes allow you to create custom environments and settings. The key scene that can be created is a “set back” condition for the heating.

As heat pumps work more efficiently in a slow and steady state having timers which turn the heating ON and OFF completely, like a boiler system, are inefficient and end up costing more to run. By creating a set back “scene” at night or in periods you aren’t in the house you maximise the benefits of heat pumps*.

IMPORTANT: In well insulated homes, it still may be less efficient to do set-back temperatures, and it can be still more efficient to run your heat pump constantly in a comfortable temperature. It is worth monitoring your consumption under different scenarios to maximise your savings and comfort.

1. On the Main Homepage of the APP, select “SCENE” in the bottom panel

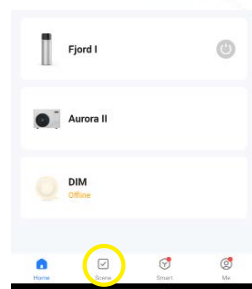
2. Select “Create Scene” or the “+” button to create a scene

3. Select the condition for your scene.

(e.g. Schedule to repeat daily at XX:XX time)

4. Add “Then Condition” (e.g. “Control Single Device”) and select the AURORA II heat pump

5. Select “Curve Setting”



It is advisable to select a weather compensation curve 2~3 settings lower than your standard setting for the set-back curve.

WIFI TROUBLESHOOTING

If your device isn't connecting to your WIFI the following may solve the problem,

1. Relocate your WIFI router closer to the devices

Getting a wired extension cable for your internet connection which will temporarily allow you to locate the router closer to the units may solve the problem and not require you to fully move your router.

Once the connection has been established try moving your router back to its original location.

2. Turn off 5 GHz Frequency

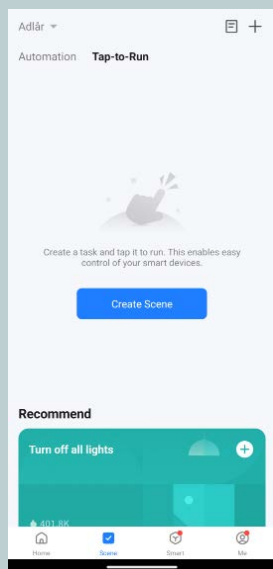
If you are having trouble connecting to the WIFI please check your internet connection is set to 2.4 GHz and not 5 GHz. 5 GHz can be disabled in your administrator settings on your home internet admin page. After the heat pump is connected you can re-enable 5 GHz frequency.

ADDING FAMILY MEMBERS

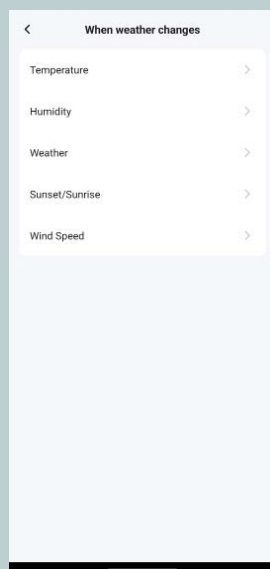
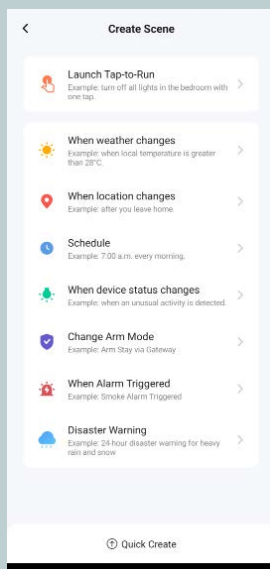
You are able to add family members to the app so that everyone can have control of the heat pump via their smart phones. Additionally, Adlar team members can be connected to the APP to check on the status of your heat pump, adjust settings, and troubleshoot remotely.

1. On the Main Homepage of the APP, select "ME" in the bottom panel
2. Go to "Home Management"
3. Select your Home you have created
4. Select "Add Member"
5. There are multiple options to share the access code. Copy in a message to your family.
6. Your family member can then open the APP themselves, select "ME", select "Home Management" and then "Join a Home"
7. By entering the code shared they should be able to access your home and devices.

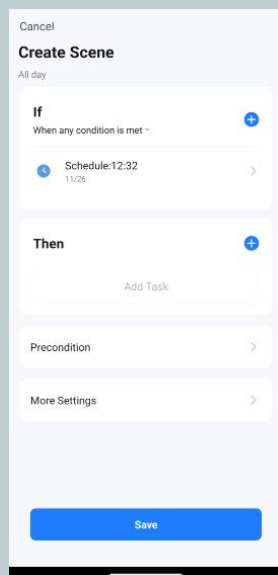
2



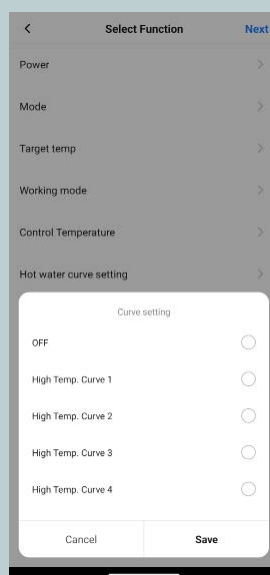
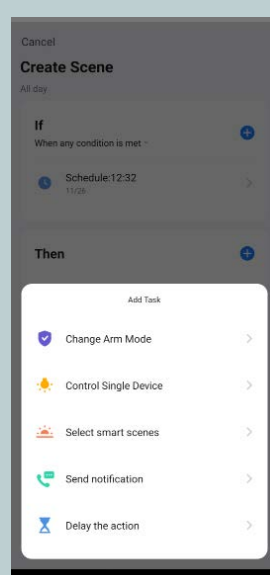
3



4



5

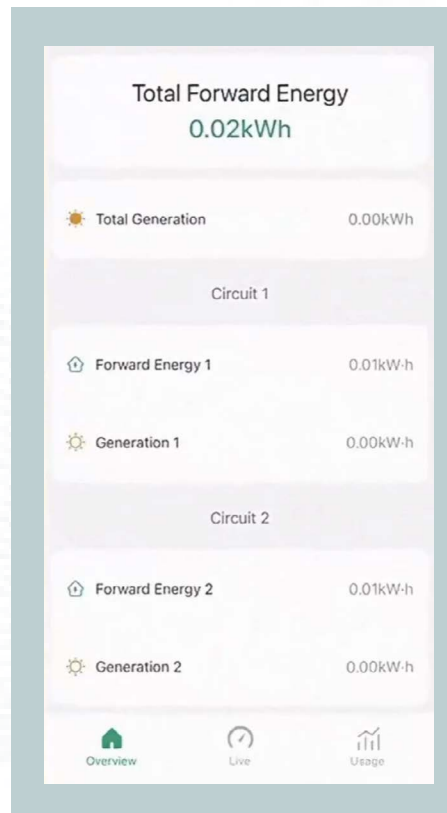


3. Smart Devices

If you have solar PV, secondary hot water returns, air conditioning on the Fjord I, or want to enable other smart functions, Adlår can add smart devices into the electrical system which will allow you to further program your system smartly.

Examples of smart “Scenes” you can create are:

1. Timing your hot water to heat up during excess solar production
2. Increasing your heating temperature during solar PV production
3. Smart timers to active secondary hot water timers
4. Activate air conditioning switch at the same time as the hot water cylinder heat up schedule.



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Product Information:

This document contains information about the operation of the Aurora II and Fjord I heat pump.

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Version

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