

Aduro cloud overview

Aduro Cloud

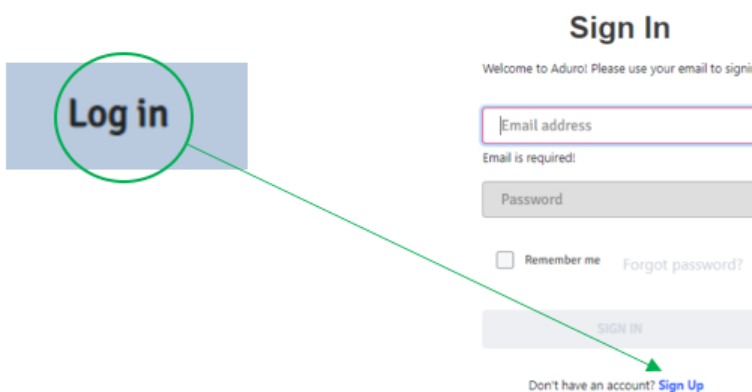
In Aduro Cloud you can monitor the operation of the customers hybrid stove: You can see the customers combustion data, the smoke temperature, CO level, and shaft temperature of the stove in a chosen time and compare it to earlier combustions.

You can also change the settings of the customers stove and track improvements on the graph.

In this guide we will take you through the different options on the site. First, let's get the costumer and you online.

How to sign up

Click "Log in" in the top right corner from the start page. The sign-up form will show. Create an account by clicking on "Sign Up" as shown here.



NOTICE

When you as a craftsman has created an account, contact Aduro to be upgraded to craftsman status.

Include information as craftsman company name, email address of account, and area codes where you operate.

The costumer can add their stove by entering the serial number and password of the stove. You can find the serial number and password on the sticker at the inside of the bottom front door of the stove. When the stove is added, it will appear as "online".


Add stove

Serial No. ?

Password

Continue

52152



Status
Online

Model
Serial nr.
ID 52152

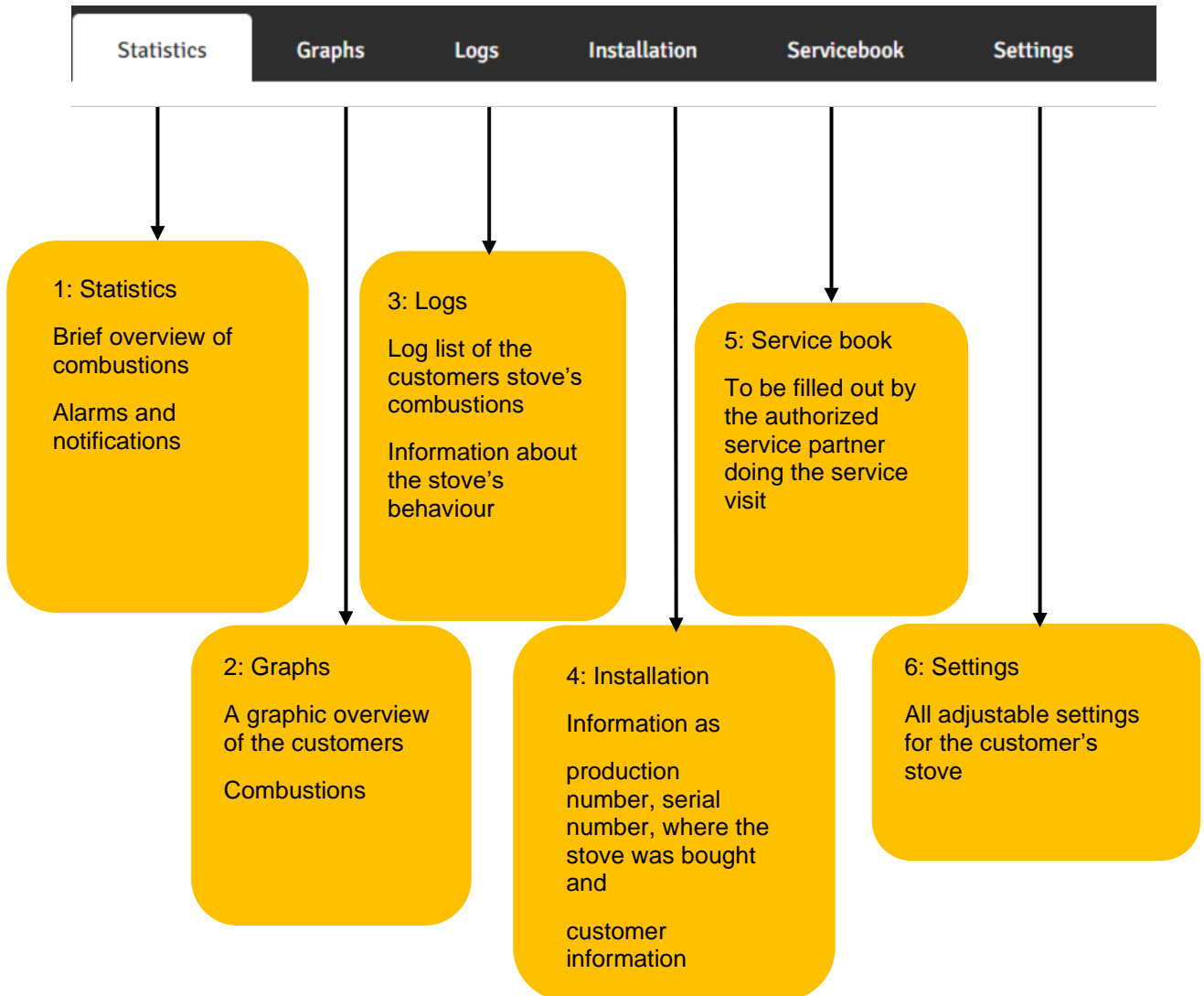
When setup the customer can add their information in the installation section of the tabs. Make sure they add you as their partner from the dropdown list. This will make you able to access their stove from your own account, adjust setting and registering service.

Installation	Servicebook	Settings
Customer address	Hasselager	
City	Hasselager	
Zip code *	8610	
Country *	Denmark ▼	
Partner *	Nearest Aduro Tech. ▼	
Send alarms to partner	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Email address *	info@aduro.dk	
Mobile *	+45 ▼ 66	

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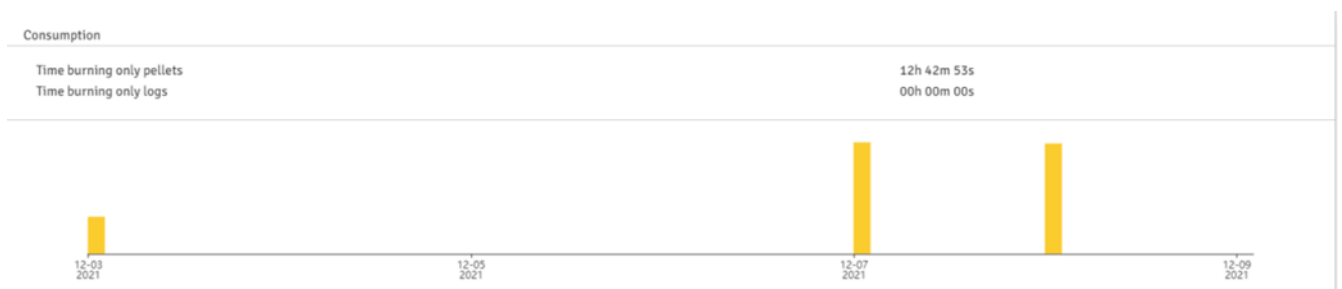
Overview of the tabs in the cloud

The cloud has six different tabs as shown on the picture below. These six tabs can be used for gaining an overview and for adjusting the stove's settings.



1. Statistics

On the tab "Statistics" you can see general information about the stove's combustion. As shown below, you can see for how long the stove has been burning with pellets or wood logs in a chosen period.



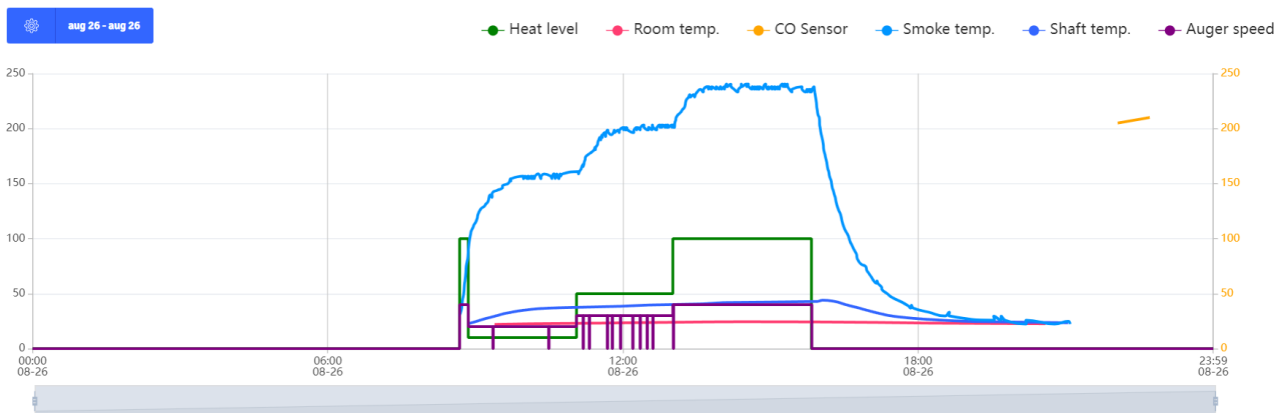
This tab also shows you the average smoke temperature for the different heat levels, how many kg of pellets the customers stove has consumed, and the number of ignitions. The first number refers to the chosen period, the number in the parenthesis is the total use.

General	
Average smoke temperature:	
Heat Level Low (1)	0 °C
Heat Level Medium (2)	211.81 °C
Heat Level High (3)	243.58 °C
Pellet consumption	16.18 kg (216.02 kg)
Number of ignitions (total)	5 (127)

Under the tab “Statistics” you can also find an overview of the stove’s alarms within a chosen period. The alarm type will appear to the left. In the this document [Article 62 - Alarms general overview Hybrid Stoves_ENG.pdf \(adurofire.com\)](#) you can find explanations of the different alarms, which may occur.

2. Graphs

In this tab you can monitor the combustion of the customers stove in a chosen period. The color codes are described under the tab.



Note: The green line (heat level) only moves between four points on the graphs: 0, 10, 50 and 100.

0 = Pellet function is turned off








10 = Heat level 1

50 = Heat level 2

100 = Heat level 3

3. Logs

Aduro Cloud also logs the operation of the customers hybrid stove. If you go to the tab “Logs” you can see an overview of what the customers stove is doing at various times. See example below.

	08:58	Wait → Ignition	
	09:08	Ignition → Normal power	
	11:14	Heat level	50% → 10%
	18:16	Heat level	10% → 50%
	21:35	Heat level	50% → 10%
	23:03	Normal power → Stopped by button	
	12:21	Smoke temperature low limit	110°C → 105°C

Here is an explanation of what is happening at the various times:

08:58 = The stove is turned on and has started the ignition

09:08 = The ignition phase is over, and the stove now runs on the customers chosen heat level or room temperature

11:14 = The heat level is switched from heat level 2 to heat level 1

18:16 = The heat level is switched from heat level 1 to heat level 2

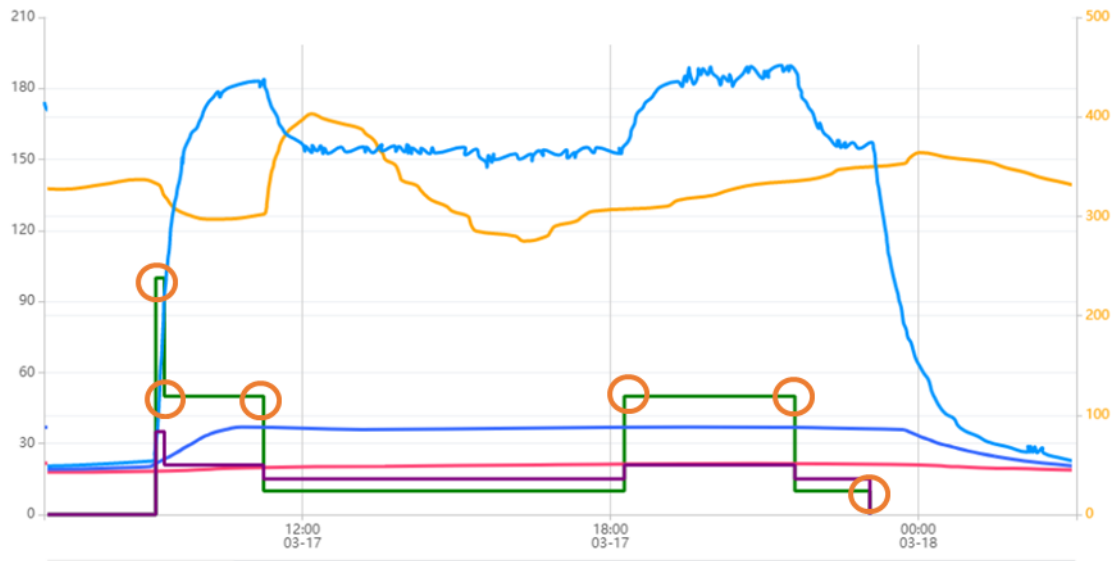
21:35 = The heat level is switched from heat level 2 to heat level 1

23:03 = The stove is turned off manually

12:21 = Setting has been changed

Comparing graph and log

Graph and log show the same data in different ways. Here is a comparison of the two examples above. Using the times from the log above, here is the same data in the graph. The circles mark the events:



4. Installation

Here you will find the information filled out about the customer and their stove. Correct the information if anything has changed address or email.

5. Service book

The service book will be filled out by the craftsman doing service on the stove.

Author	sgp@aduro.dk		
Type *	Service visit		
Notes	The stove was inspected, cleaned and the external auger motor was replaced.		
Sparepart	Gear motor External Auger (l	1	Motor was too worn Remove
	Add another part		
	Submit		

6. Settings

From the tab “Settings” you can change the settings on the stove. Following pictures show the factory settings but are not necessarily the right settings for every stove. The settings should be adjusted according to the customer's installation and the customer's needs. An overview of the standard settings can be found here: [Standard settings](#)

Ignition settings

Below, you can see the settings regarding the ignition. “Electric ignition fuel” is the amount of time the augers will feed pellets in the ignition phase. If the stove needs more pellets for the ignition, you can change the parameters, so the augers turn for a longer period.

“El teeth effect” is how powerful the electric igniter should spark. You can adjust the percentage up or down as needed.

Fan step 1, 2 and 3 describe the fan speed during ignition for the three different heat levels. We recommend these to stay at 100% to be sure, that enough air is supplied to start the fire properly.

Ignition	
Electric ignition fuel	90 Sec
El teeth effect	75 %
Fan step 1	100 %
Fan step 2	100 %
Fan step 3	100 %

Auger settings

In the section “Auger” it is possible to change the speed of the augers. “Auger low”, “Auger mid” and “Auger high” refer to the three different heat levels.

“Smoke low limit”, “Smoke mid limit” and “Smoke high limit” refer to the minimum smoke temperature in the three different heat levels. If the temperature goes below these limits, the stove will turn off.

“Wood burning temperature” is the temperature in which the stove will go in wood burning mode and therefore turn of the pellet function. When the temperature drops below 100 degrees, the pellet function will automatically turn on again if the stove is in room temperature mode.

Auger	
Auger low	20 %
Auger mid	25 %
Auger high	35 %
Smoke low limit	135 °C
Smoke mid limit	175 °C
Smoke high limit	190 °C
Wood burning temperature	280 °C

Fan settings

In the section “Fan”, you can change the speed of the fan in the three different heat levels.

The recommended settings are 40% for “Fan low”, 55% for “Fan mid” and 80% for “Fan High”.

Fan	
Fan low	40 %
Fan mid	55 %
Fan high	80 %

Cleaning settings

The stove runs an automatic cleaning program in the selected interval where the fans blow away accumulated ashes from the brazier.

In the section “Cleaning” you can change the settings for the cleaning program.

“Clean interval” is the time between every cleaning program, and the “Clean time” is the amount of time which the cleaning program runs. “Clean air” is the speed of the fan in the cleaning program.

Cleaning	
Clean interval	6 min
Clean time	8 sec
Clean air	100 %

Settings regarding the CO-sensor

The CO-sensor measures the CO-level in the pellet silo and is there to prevent a backwards fire to the pellet silo from occurring.

This section shows the values of the CO-Sensor. On the picture below, “CO-sensor” is the current CO-level. The setting “CO Sensor level yellow” determines, that if the CO-sensor reaches this value, the stove will turn down to heat level 1 to get the CO-level down. If the CO-sensor reaches the value of “CO Sensor level red” the stove will shut down.

CO Sensor	
CO Sensor	405 ppm
CO Sensor level yellow	850 ppm
CO Sensor level red	900 ppm

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