ISEP INSTITUTO SUPERIOR DE ENGENHARIA DO PORTO



User manual

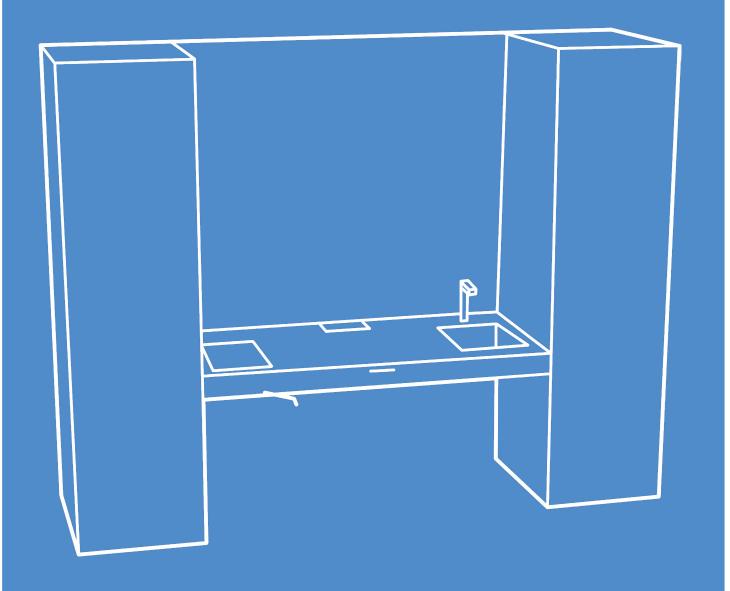


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Amplea is a modern furniture that can be a kitchen, a dining table or an office desk. Made by people for the people. Amplea has the ability to elevate the surface to the perfect height for a standing workstation. An extra tabletop is provided through an extraction system. For optimal space utilization, the cooking plate can be covered. Cabins are also available, as are USB portables. Additionally, there are smart features that let you see your water and electricity usage and control the lights.



Product detail

Materials

250 cm/ 100"



In this document, the components and materials will be presented. Then, instructions will be given to assemble it correctly and to use Amplea so that it can be used as designed. It is strongly recommended to have a ceiling height of 220 cm minimum.

Our composite material is crafted from a hardwood shell and a cardboard honeycomb core. This combination results in a lightweight yet durable material, offering a balance between strength and weight. Ideal for a range of applications, this composite material brings together the natural beauty of hardwood with the structural benefits of a honeycomb core.

Our recycled aluminum material is an eco-friendly option that combines sustainability with versatility. Made from reclaimed aluminum, it undergoes a meticulous process to ensure its quality and integrity. This material offers a wide range of applications, providing strength, durability, and a sleek metallic finish while reducing environmental impact.

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Components

A. Cabinet

Below is the list of the component implemented in the cabinet.

Piece's number	Piece's name	Quantity
1.1	Side with rails	1
1.2	Back	1
1.3	Side without rails	1
1.4	Bottom	1
1.5	Тор	1
1.6	Support	8
1.7	Shelves	4
1.8	Screw M5 (30*30)	77
1.9	Door	1
1.10	Hinge	3

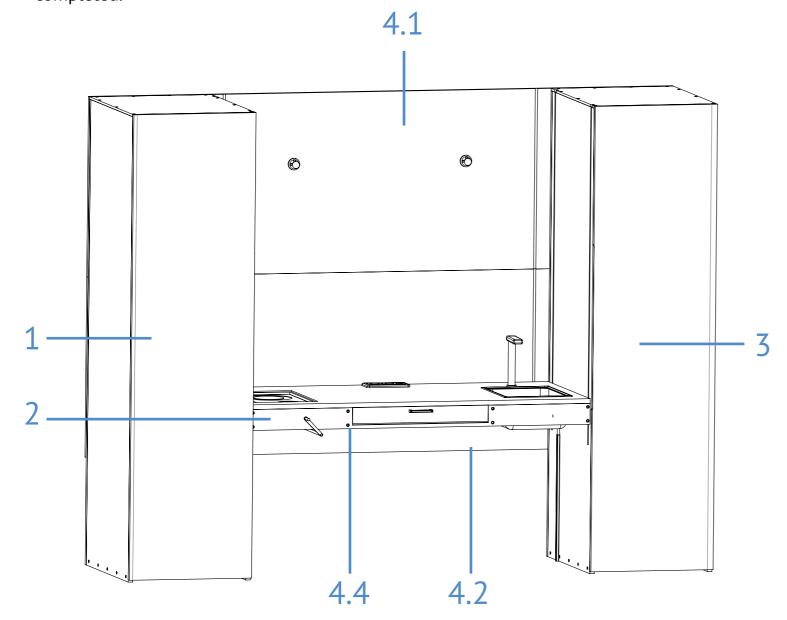
B. Middle desk

Below is the list of the component implemented in the middle desk. It is delivered already assembled.

Piece's number	Piece's name	Quantity
2.01	Left side	1
2.02	Right side	1
2.03	Thin middle front	1
2.04	Thin middle behind	1
2.05	Support rails	2
2.06	Rail raw starting	2
2.07	Desk	1
2.08	Trunnion desk	10
2.09	Screw M5 (30*30)	28
2.10	Bolt M5	12
2.11	Washer	12
2.12	Rail part	2
2.13	Rail part with holes right	1
2.14	Rail part with holes left	1
2.15	Rail right end	1
2.16	Rail left end	1
2.17	Leg	2
2.18	Extra leg	1
2.19	Drawer rail	1
2.20	Hander rail	1
2.21	Pivot drawer	2
2.22	Table plate start	1
2.23	Table plate	1
2.24	Table plate end	1
2.25	Table hinge	4
2.26	Pivot table	16
2.27	Trunnion	10
2.28	Screw M5 (30*30)	34
2.29	Bolt M5	12
2.30	Washer	12

C. Final product

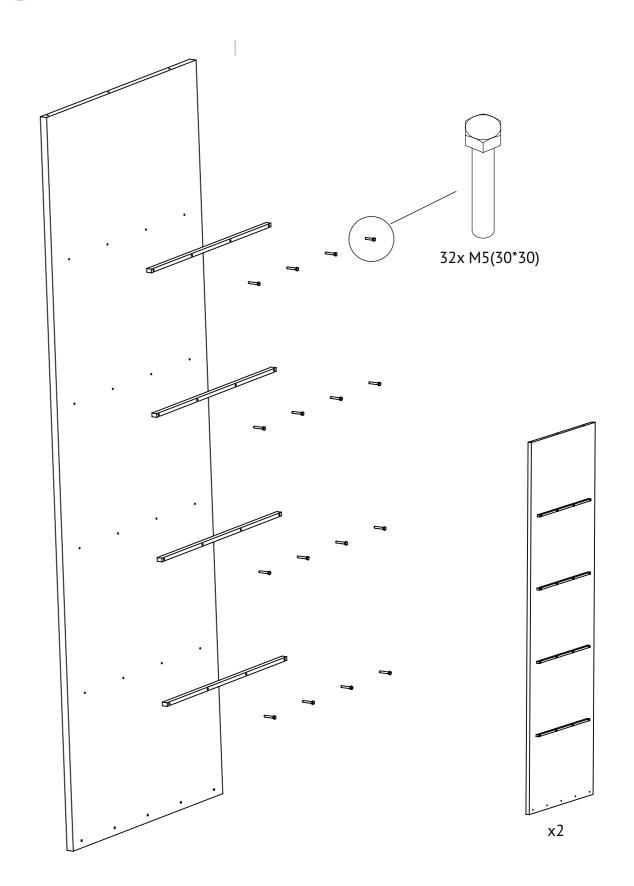
Then to assemble everything, the components below are needed. And now Amplea is completed.



Piece's number	Piece's name	Quantity
1	Left cabinet	1
2	Middle desk	1
3	Right cabinet	1
4.1	Wall top	1
4.2	Wall bottom	1
4.3	Trunnion wall	5
4.4	Screw M5 (30*30)	8

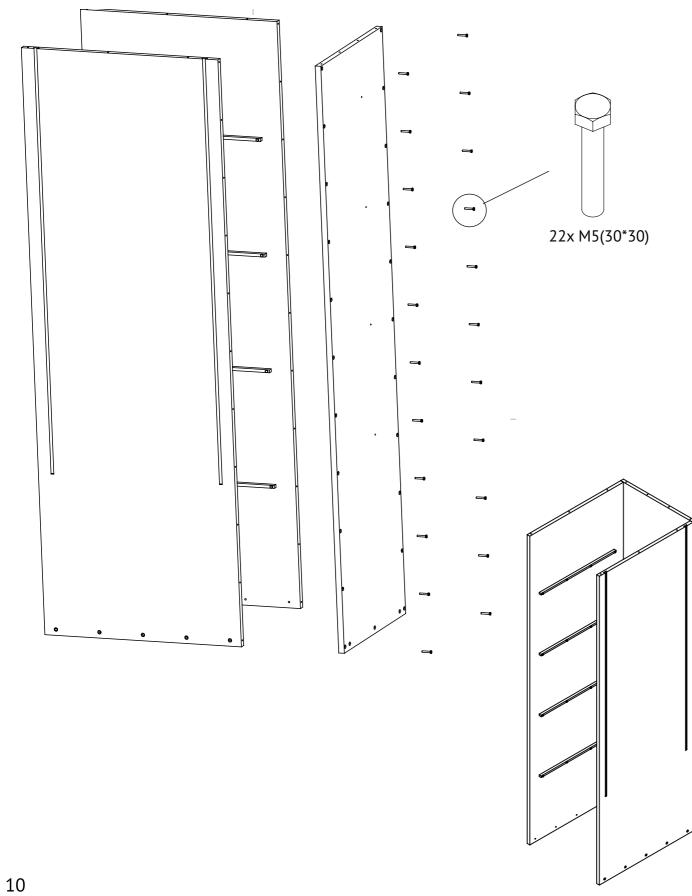
Instructions

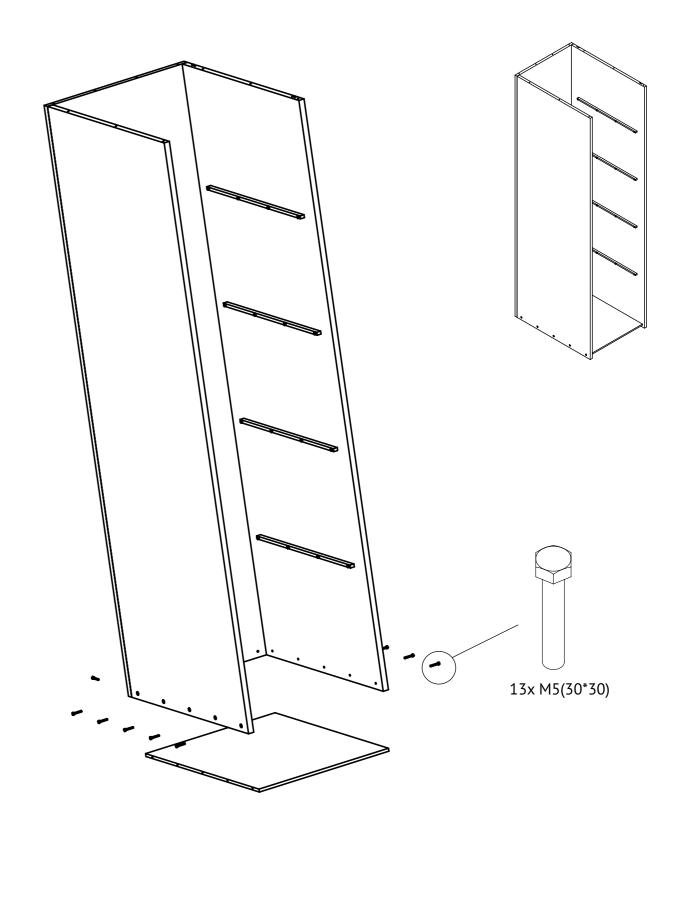
With 32 screws (1.8), fix the 8 supports (1.6) on both sides (1.1 & 1.3)

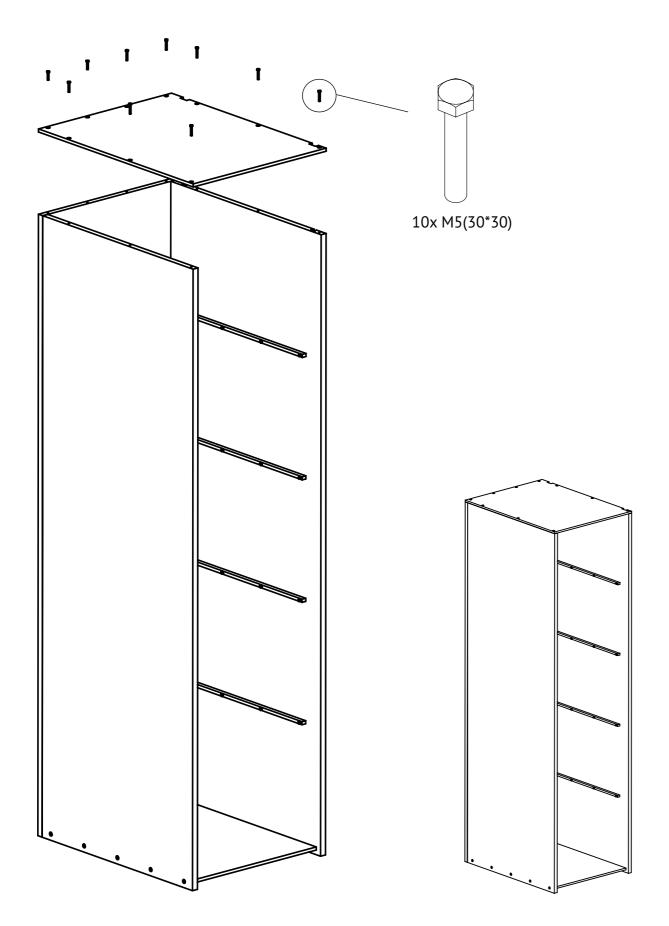


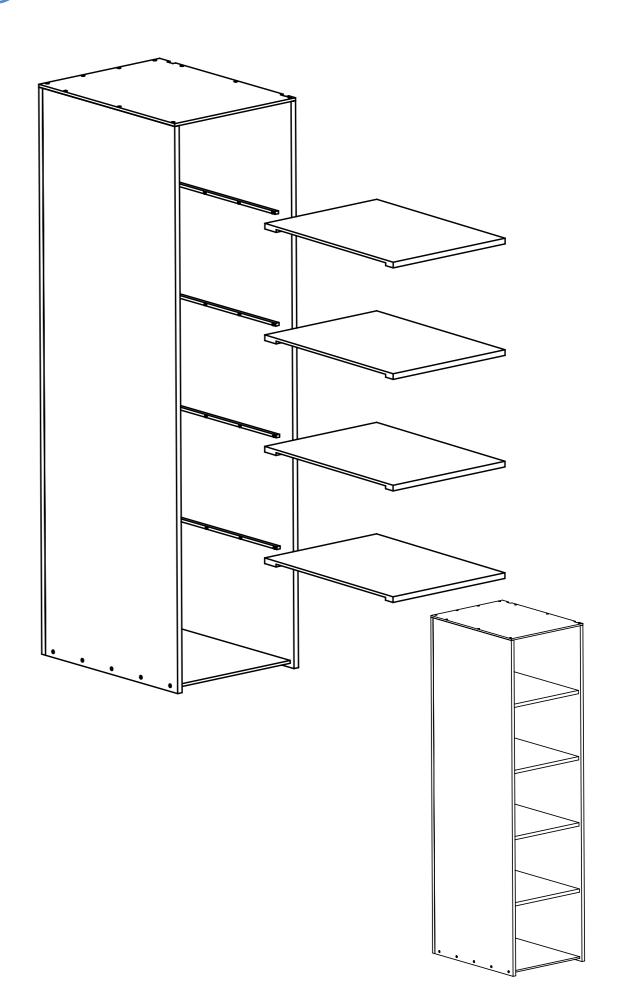


With 13 screws (1.8), fix the bottom (1.4) with the sides (1.1 & 1.3) and the back (1.2)

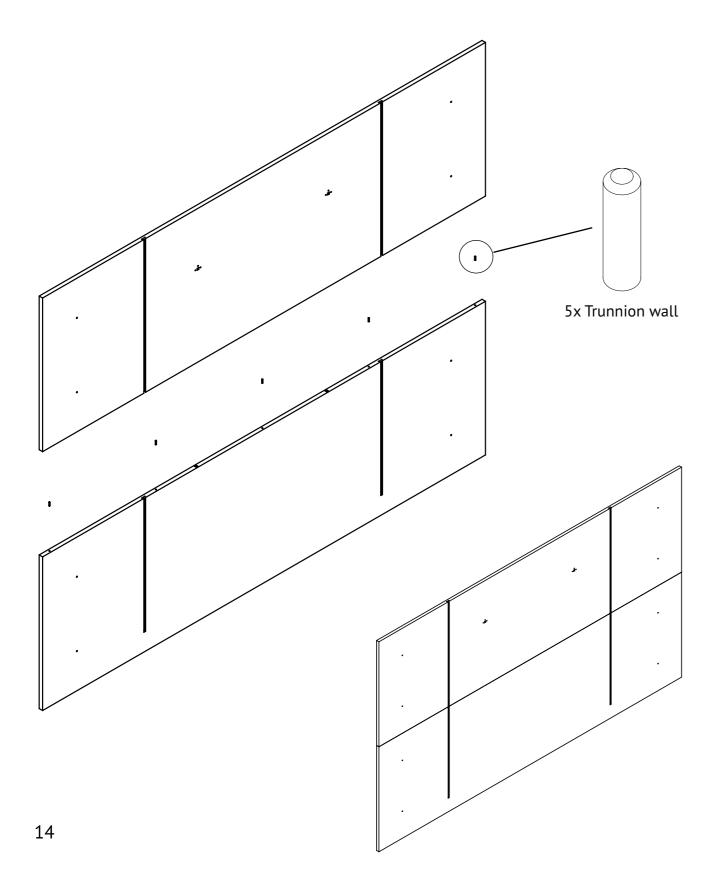




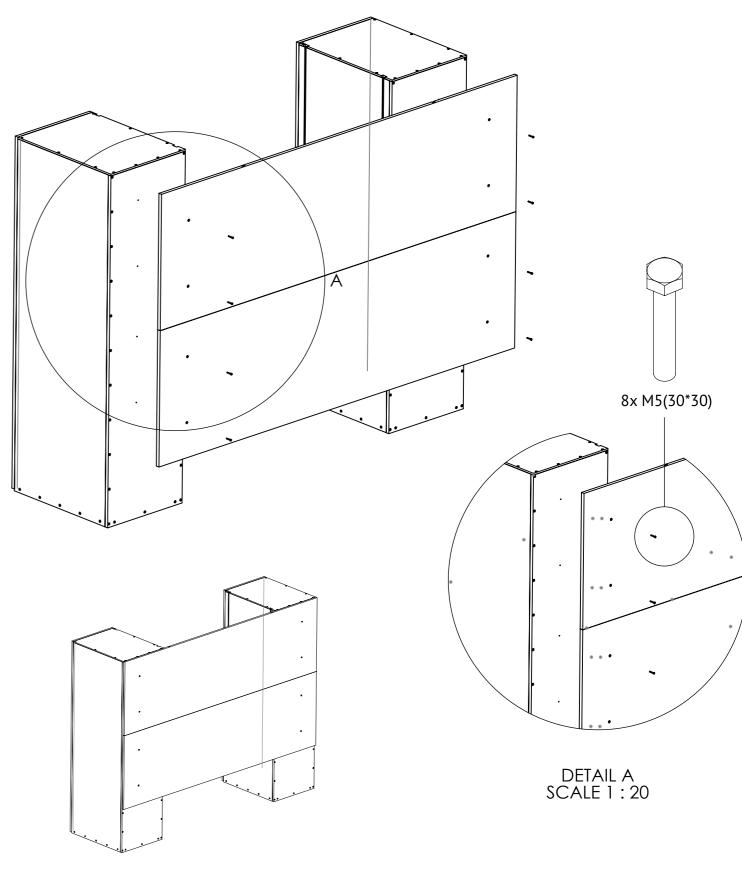


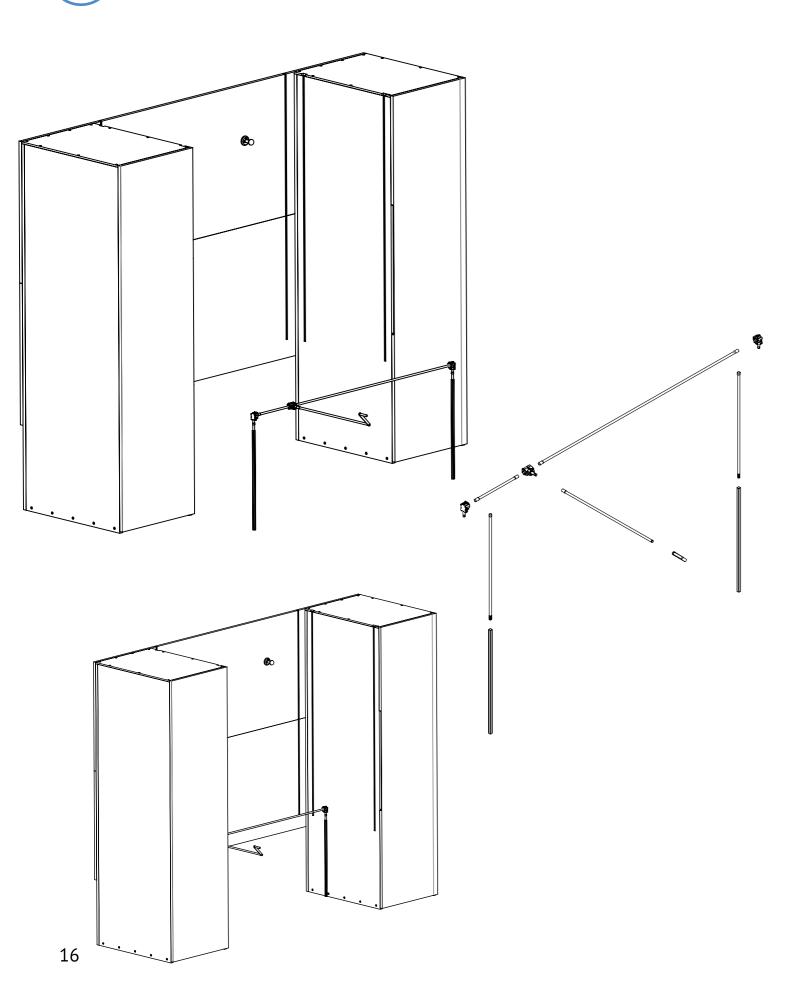


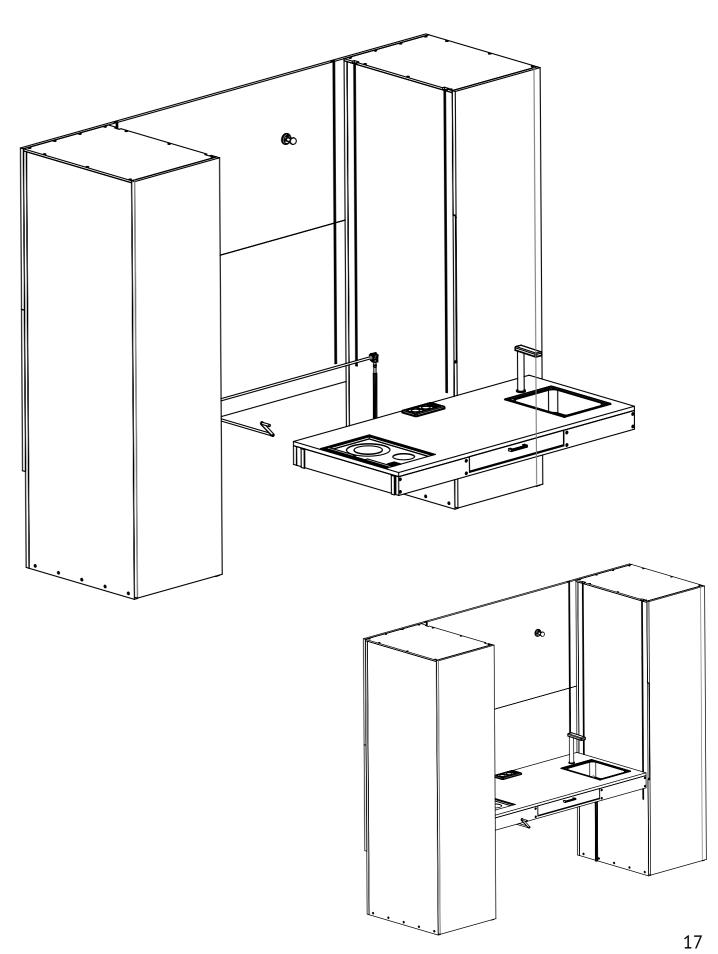
- Fix the hinges (1.10) on the side without rails (1.3) to close the cabinet
- The trunnion (4.3) will first be placed in one wall and then, with the hammer, assemble the walls (4.1 & 4.2)



With the 8 screws (4.4), fix the walls (4.1 & 4.2) to the cabinets (1 & 3)







Instruction manual

This manual is destinated to the final user. It will explain and clarify some points about our product..

A. Mobile app

Overview

The AMPLEA application is available on all android and apple platforms. To download it, you must access the play store or Appstore application and search by the name "Amplea APP".

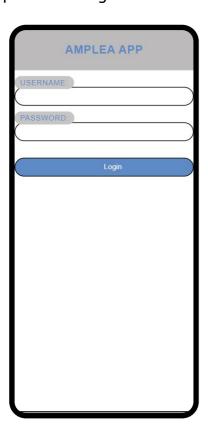




How to use

Step 1: Login

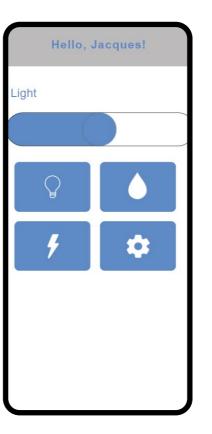
To log in, you must use the credentials included in the manual. These credentials are unique and will give access to the purchased furniture. Once the application is installed, the first screen that will appear is to log in.

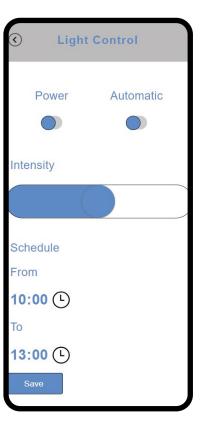


Once inside, you can change your account credentials in settings > edit profile.

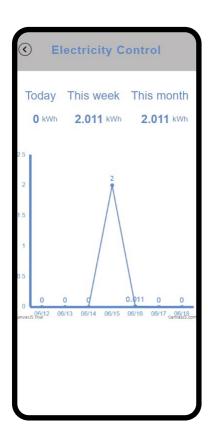
Step 2: Possibilities

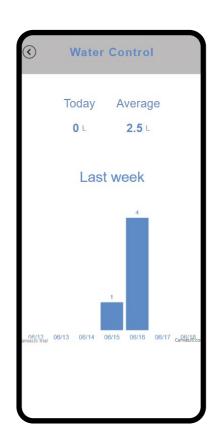
Once logged in with the account, there will be a main screen where you can adjust the light to your liking. Below this option, there will be the different possible menus. The first of all, with the icon of a light bulb, will offer the light configuration screen, where you can adjust the power, turn on, set the automatic mode and modify the switch-on time.



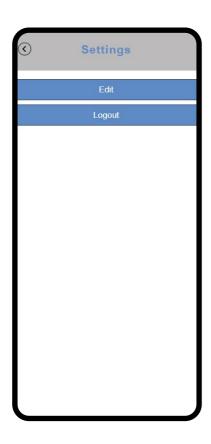


There is also access to water and electricity consumption control options. Electricity is distinguished by lightning and water by water drop. It does not give you the possibility to manipulate the expense, but it does give you the possibility to see how much has been consumed during the last few days.





The last option present is to configure the account and exit the application. As the product develops, more items will be added.



B. Elevation system

The elevation of the desk is available under one condition: the drawer of the rails needs to be closed. It implicates that the rails are in. The range of the desk is between 72.5 cm and 102.5 cm. You only need to turn the handle.



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C. The extension system

As the elevation system, the extension one has some condition: the desk has to be at 72.5cm high or 102.5cm. An electrical stop forbids the opening of the drawer. If the condition is respected the first step is to open the drawer.

After that, extend the rails, the maximum possible without forcing on it. Rotate the legs to avoid the bending and adjust the table on the rails.







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How do we manage in case of screws' loss?

There are some spare screws available in each package.

Where can we find spare part in case of damage?

If it was damaged during transportation, just contact us and we will find a free solution. If it was damaged during assembly or normal use, you should contact us, but it will cost you some money for the order.

How do we should clean our furniture?

Any product compatible with untreated wood. Most of the time it is water-based solution, with the minimum chemicals.

What is the maximum weight the desk can accept?

Amplea design to be used as kitchen or a desk. For example, a human being sitting on it is forbidden. However, any cooking robot, computer can be placed on it.

What is the easiest, and the fastest way to contact us?

You should send an email with all the important information about your problem. A person will contact you back soon after.

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Get in touch

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https://www.Amplea.com