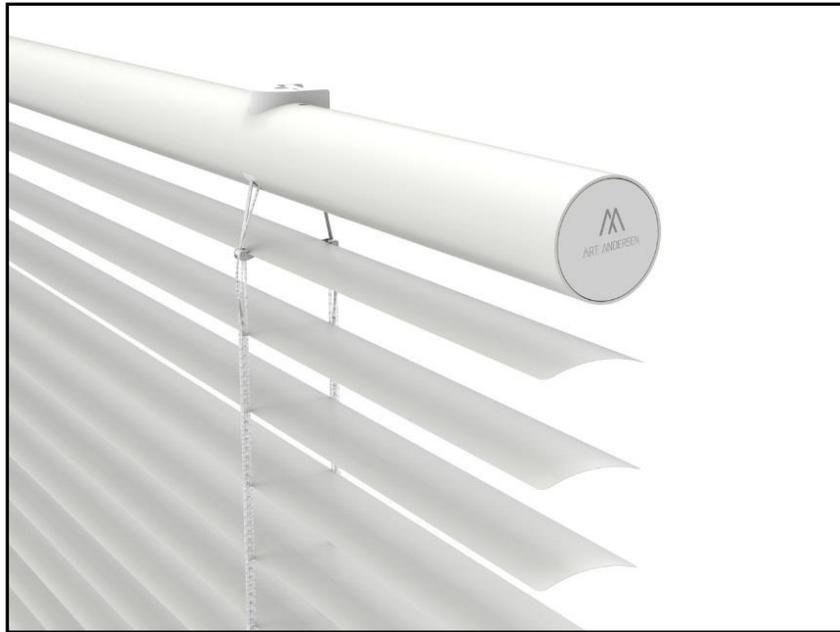


# COPENHAGEN BLINDS

BY ART ANDERSEN CPH

## Mounting and User Instructions



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## 2. Safety This user manual should be read before attempting to operate the product.

### **⚠ WARNING**

Copenhagen Blinds are motorized venetian blinds dedicated to interior applications. They are designed to be used either with rechargeable Li-ion batteries, which eliminates the need for additional wiring in window frames, or with the power supply that comes with it.



Note: For full functionality, the household must have an internet connection and devices such as tablets or smart phones (Apples iPhone 4 with IOS 7.0 or newer, or Android 5,1) to operate the Copenhagen Blinds.

### **⚠ WARNING**

It is important for the safety of the users to follow these instructions:

This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Do not allow children to play with the Copenhagen Blinds.

- Do not allow children to play with the moveable Blinds.
- Keep remote controls away from children.
- Frequently examine the installation for signs of wear or damage. Do not use if repair is necessary.
- Do not drill holes in the product as this can damage the Li-ion battery, motor and lifting and lowering system.
- Only use the charger supplied with the product. Using a different charger might damage the Li-ion battery.
- Do not pull the slats or try to force any other moveable parts of the Copenhagen Blinds manually once they are mounted. Such actions might move the Copenhagen Blinds out of its brackets and cause it to fall.

### 3. Mounting and installation

The mounting and installation can be performed without professional assistance by consulting this user mounting and installation manual. However, for your own safety and due to the risk of damaging the product, we recommend that you consult Art Andersen CPH for service and support when installing the product. Any use outside the described application of this product and failure to comply with the instructions given herein may invalidate the warranty.

#### 3.1 Mounting

Each package contains a small bag with 2 metal brackets, 2 screws for mounting in wood and 2 screws with rawplugs for mounting in bricks or concrete.

The included brackets can be mounted both sideways and upwards. Both the mounting brackets on the Copenhagen Blinds' top cylinder and the wall brackets can be adjusted sideways.

Tools needed formounting :

Plumb line/spirit level, tape measure, screwdriver and pencil – if needed, a drill and a driller.

See instruction movie on <http://www.ByArtAndersenCPH.com>

Mounting process:

1. Measurement and placing:

1.2 Measure the width of the window. Mark the center of the window.

1.3 Adjust the two plastic brackets on the upper side of the top cylinder to their center position.

1.4 Measure the distance between the center of these two plastic brackets and divide by two.

1.5 Measure from the center of the window and use the calculated measurement to position both steel brackets.

2. 3.1 Mounting

2.2 The steel brackets can be mounted either sideways or upwards. Mount the brackets using the screws provided. Drill holes and use rawplugs if necessary depending on the mounting material.

2.3 Use the plumb line/spirit level to check that the steel brackets are mounted horizontally.

2.4 Click the blind with the slats into the metal brackets that are screwed on. The control buttons on the top cylinder should be able to be operated from the inside, on the left side of the blind. The Copenhagen Blind can now be adjusted approx. 5 mm to either side to achieve the optimal position.

3. Functionality test Check that the slats on the Copenhagen Blind can be moved up and down by holding the bottom button down to roll the slats down, and the opposite, holding the top button down to roll the slats up again. If this does not happen, please check under "Troubleshooting".



### 3.2 Setting up Gateway

Connect the Gateway to the Internet via a Router with the LAN cable provided. Next, attach the power cable. Check that both plugs are connected.

The Gateway will display a white blinking, background light shortly afterwards while it connects to the internet and updates the Gateway software. This can take up to 10 minutes.



When the Gateway is ready, a minimum of 3 green lights will light up on the side of the Gateway. There will also be a white light lit up on the front of the Gateway. This indicates that the Gateway is ready to be connected to your app.

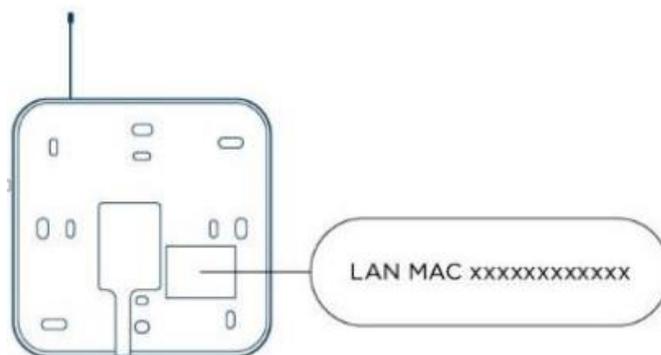
### 3.3 App and connecting the Gateway

Now the app can be downloaded to an iPhone, iPad, Android mobile phone or Android tablet. First you will need to register using a user name and password.

You can connect the app with the Gateway by pressing “start installation”. Now the app should find the Gateway and indicate that the connection has been successful.

Should this not happen, you can do a manual installation.

To do this, choose “manual installation”, and then enter LAN Mac, followed by the 12 digit number in the app. The LAN Mac address is on the back of the Gateway and on the Gateway’s box, on a silver grey sticker.



Once the Gateway has been connected to the app, you are ready to add Copenhagen Blinds and other accessories.

You can do this by going into the menu and +Add accessory

Now the new Copenhagen Blinds can be added to the app.

### 3.4 App and connecting Copenhagen Blinds and other accessories:

Under “Add Device” choose Copenhagen Blind - follow the 4 steps below to add a Copenhagen Blind to the Gateway and the App.

- 1) Ensure that the Copenhagen Blind is correctly mounted in the window.
- 2) The Gateway is now ready to receive the blind, so therefore press the two buttons (on the left side of the top cylinder) at the same time for 2 seconds (2 red flashes). When you release the button, the blind will emit a green flash for OK.

3) Name the blind (on telephone/tablet) and create a group for it - for optimal operating of blinds that are located close to each other, or if all blinds face the same compass point.

4) The blinds are now ready and you may add more blinds or other accessories.

To connect different accessories, follow the instructions in the App.

It is normally quite simple to add accessories. However, there can be a number of reasons why it is not successful on the first attempt.

1) If the accessory or blind is already connected to another Gateway, the accessory will not switch into connection mode. If this is the case, go into "settings" in the menu. i.e. click on the small cog at the bottom of the menu. Choose "Devices", and then select "Home Gateway". Now click on "remove any device". It should now disconnect your accessory and make it ready to connect to a "new" gateway. Start over from "add Accessory".

2) An error could have occurred in the accessory. In this case, contact Copenhagen Blinds on Tel.: + 45 2556 4100

### 3.5 Connection of the Wall controller by Art Andersen CPH

The wall controller consists of a contact part and a frame. First release the contact from the frame.

The wall controller needs to be "activated" and this is done by connecting the wall controller's USB connector and recharging it briefly (it takes max. 2 seconds). Follow the app's instructions to connect the wall controller.

- 1) Open the app menu, go into "Add Accessory"
- 2) Choose Wall Controller
- 3) Remove the USB connector
- 4) Press the button once and wait for "connected"
- 5) Once it is "connected" you can name and link it to the blind you wish to operate with the wall connector.



You can change the blind you wish to operate

using your wall controller by going into the menu and pressing "devices"/"accessories", choose your wall controller and other groups, choose new blinds, etc.

7) Remember! Not all wall controllers should be called the same as this can be confusing if you make changes later. Call them, for example, Kitchen, Lounge contact for the blinds, or similar.

8) NB.: the wall controller will not appear on the front page of the app. The wall controller is simply a contact that can be used whenever you wish. That is why it is not shown on the screen.

## 4. Presentation of Installation

Once your App and Gateway are up and running, and Copenhagen Blinds and the accessories have been installed, you can try out the app's other functions.

1) Press the round circle in the group or in the individual blinds and set the height and tilt.

2) Return to the main page by pressing AA

3) Press **XXXX** to access the  main menu.

4 The name and grouping of the blind can always be changed by pressing on the icon with a pencil.

5) Invite other users to operate Copenhagen Blinds. Go to the Menu, press "Users" and then select "Invite" and enter an e-mail address and then press "Invite" again.

6) Favourite position: The standard favourite position is "roll down and shade". If you would like another favourite position, position the individual Blind at the desired position and press the icon with one star.

7) Time settings: the individual Blinds or groupings can be set to move at a defined time of day. Go into Automation and select "schedule" Then choose "add Schedule".

Name your "Schedule", e.g. Good Morning, TV time, or similar, choose a time and indicate whether it should be repeated (repeat, No/Yes) and choose which day it should be repeated on. Finally set the position for the blind.

## 5. Troubleshooting

### 5.1 Height Readjustment

If you wish to readjust the height, it is possible to make the blind one or more slats shorter, and this is done by taking out the required number of slats, and shortening the ladder cord correspondingly at the bottom weights.

The blind will need to be re-calibrated at the new height using the following method.

Firstly, if a blind has been registered in the App, it must be deleted from there.

Hold the two buttons in for 30 secs. = 30 red flashes from the LED. The blind has now "forgotten" all the programmed information.

Press continuously on the up or down button until the desired bottom position is reached, remember that the blind needs approx. 8 cm. slack lifting cord in order to be able to shade without the blind rolling up at the same time.

Hold the buttons in for 5 secs.= 5 red flashed of the LED, release the button and the LED light will change to green, and the blind can roll up to find its top position.

## 5.2 How heating can Affect it

Lithium-ion batteries function optimally at the heating interval of 0-45°C. If the batteries' temperature falls outside this range for longer periods, it will not be possible to recharge them. In this case, the charger will display a green light. Wait until the correct temperature is reached or leave the charger plugged in overnight.

If the batteries are repeatedly exposed /or exposed to very high temperatures over a longer period, this will significantly reduce their lifespan. If they are exposed to a high temperature over a very long period, a safety valve will be activated and the battery will no longer be usable.

## 5.3 The blind does not work and the red light is on

When the red diode lights up, the blind is in "over current" mode" which will stop all the functions of the blind. This "stop function" can be turned off by pressing one of the buttons. The blind will then be fully-functional again.

On your client visits to those who have requested a service call, please ask whether one or more blinds have displayed a red light.

If you require further assistance, contact support on [support@ArtAndersenCPH.com](mailto:support@ArtAndersenCPH.com) or +45 2556 4100

## 6. Technical specifications

Power supply Copenhagen Blind (by ACK1610) 14.4 tom16.8 VDC

Battery 4 x Li-Ion cells. 3000 mAh

Power supply, ACK1610 charger 100-240 VAC 50/60 Hz

Temperature, operating 0 to 55 ° C

Temperatur, storage -20 to 60 ° C

Humidity, non condensing < 90%

## 7. Environment/ Disposal



Copenhagen Blinds, wall controller and other accessories contain rechargeable batteries. Therefore, these items should not be disposed of with household waste.

In accordance with the European directive 2012/19/EU and 2006/66/EF electrical/electronic waste items and rechargeable batteries/batteries should be collected separately and recycled according to current environmental regulations. If necessary, ask at your nearest

municipal waste disposal site.

