

INSTALLING THE EVA WEB APP

A step-by-step guide for connecting the ECA Control to a network and setting up the EVA Web app on your tablet, phone or laptop

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1. CHOOSE YOUR NETWORK

The ECA Control system can be connected in two ways:

- **Via the ECA Control's own network** – useful for direct access when no external network is available.
- **Via your home network (recommended)** – you can connect using Ethernet or Wi-Fi. Your device will be accessible as long as it remains within range of your local network. It allows remote access and seamless integration.

1.1 ECA network (Access Point Mode)

This is how the EVA Controller is delivered. This option is suitable if the home network does not provide sufficient coverage around the pool:

- The ECA Control creates its own Wi-Fi network (AP Mode), allowing direct connection.
- The tablet connects to this network to operate the ECA Control.
- Expanding the home network's coverage is not necessary.
- Your device will not be connected to the internet while using this network.

1.2 Home network (recommended)

These settings are for both Ethernet (wired) and Station Mode (Wi-Fi). This option is preferred if the home network provides sufficient coverage around the pool:

- Once connected, the ECA Control will no longer broadcast its own AP network.
- The tablet remains connected to the home network while operating the ECA Control.
- Switching networks on the tablet is not necessary to control the system.

ECA network	Access Point Mode	Ch. 2
iOS & Windows	Ethernet setup	Ch. 3
iOS & Windows	Ethernet setup & Station Mode setup	Ch. 4
Android	Ethernet setup	Ch. 5

2. ECA NETWORK (ACCESS POINT MODE)

2.1 Connect via the ECA Control – EVAstream

Follow the steps below to connect via the ECA Control. Refer to the sticker on the ECA Control for details, or scan the QR codes on the sticker for quick access.



Step 1 – Connect to the Wi-Fi network:

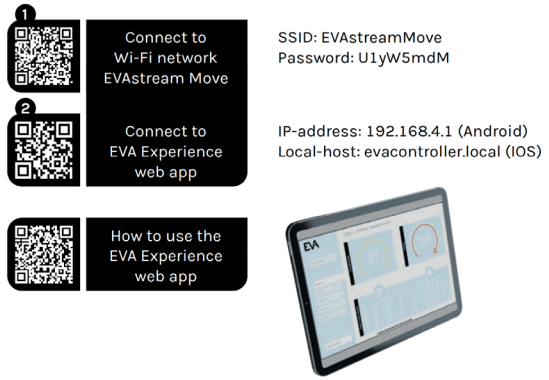
Network name (SSID)	EVAcontroller AP ######
Password	U1yW5mdM

Step 2 – Open your web browser and enter one of the following:

IP address	192.168.4.1
Local hostname	evacontroller.local

2.2 Connect via the ECA Control – EVAstream Move

Follow the steps below to connect via the ECA Control. Refer to the sticker on the ECA Control for details, or scan the QR codes on the sticker for quick access.



Step 1 – Connect to the Wi-Fi network:

Network name (SSID)	EVAcontroller AP ######
Password	U1yW5mdM

Step 2 – Open your web browser and enter one of the following:

IP address	192.168.4.1
Local hostname	evacontroller.local

2.3 Connect the tablet to the EVA Web app environment



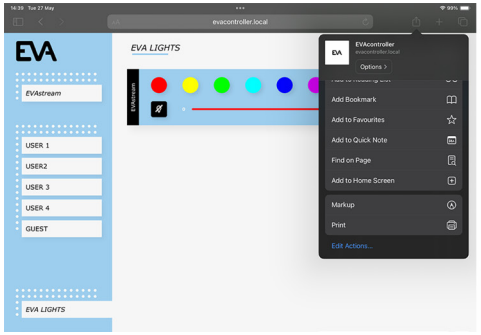
Go to your internet browser and enter the following address in the address bar:

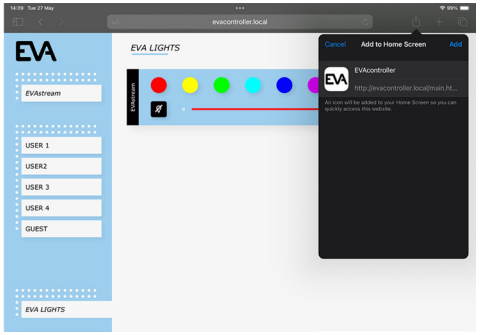
Android	192.168.4.1 (IP address)
iOS and Windows	evacontroller.local

2.4 Add the EVA Web app to the home screen

The pop-up provides instructions for creating an EVA shortcut icon on the home screen of your tablet and/or phone. This is for easy access to the EVA Web app environment in the future.

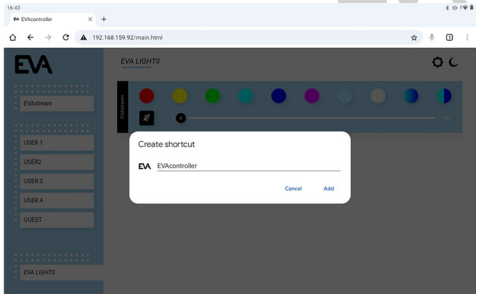
1. Click on the share icon to the right of the address bar.
2. Select Add to Home Screen.
3. Name the icon EVAstream and select Add.
4. The icon is now added to your home screen.
5. Close the web browser and click on the shortcut to the EVA Web app on your home screen.





Apple iOS





Android

3. HOME NETWORK (RECOMMENDED)

This option is preferred if the home network provides sufficient coverage around the pool.

- If using an Ethernet cable, the connection is established automatically. When the Ethernet cable is connected, the EVA Controller will automatically switch to Ethernet mode. AP mode will be disabled.
- If connecting via Wi-Fi, first complete the Station Mode setup steps before proceeding (see chapter 4, iOS & Windows – Ethernet & Station Mode setup).

Important

If a VPN is used, it should be turned off.

3.1 iOS & Windows – Ethernet setup

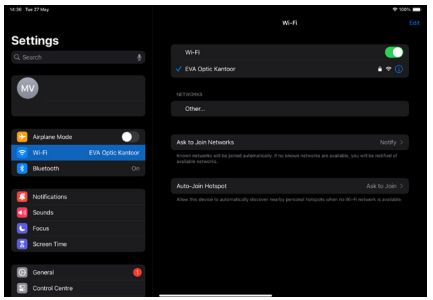
Connect the EVA Controller to Ethernet using a network cable.



Connect with Ethernet

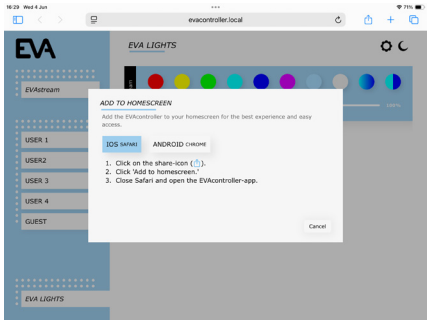
Remove the cover of the ECA Control to access the EVA Controller PCB. No tools are needed, the cover is attached with a click mechanism at the top and bottom.

Plug the Ethernet cable into the ECA Control.



Connect the tablet to the home network

Open the screen on the tablet with Wi-Fi connections, and connect to your home network.



Connect the tablet to the EVA Web app environment

Go to your internet browser and enter the following address in the address bar:

iOS and Windows: **evacontroller.local**

For iOS: add the EVA Web app to the home screen as described in 2.4.

4. IOS & WINDOWS – ETHERNET & STATION MODE SETUP

Connect the EVA Controller to Ethernet using a network cable, or to your Wi-Fi network via Station Mode.



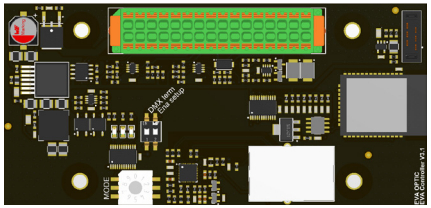
Connect with Ethernet

Remove the cover of the ECA Control to access the EVA Controller PCB. No tools are needed, the cover is attached with a click mechanism at the top and bottom.

Plug the Ethernet cable into the ECA Control.

Connect with Station Mode

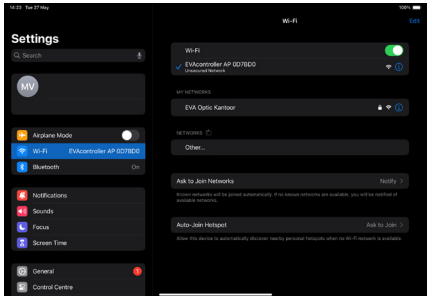
Via Station Mode nothing needs to be done in this step.



Enable Setup Mode

To connect the ECA Control to the home network via Wi-Fi, enable the Wi-Fi setup mode:

1. Remove the cover of the ECA Control to access the EVA Controller PCB.
2. On the EVA Controller PCB, set the Enable setup switch to ON (slide switch 2 to ON).



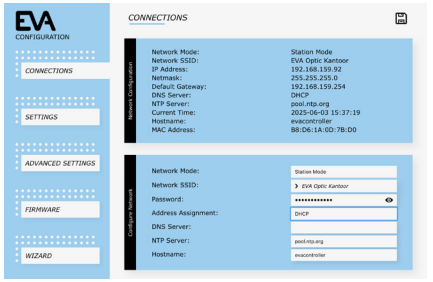
Connect the tablet to the ECA Control

Open the screen on the tablet with Wi-Fi connections, and connect to the network **EVAcontroller AP ######**. The EVA logo appears as the app launches automatically.

If the app doesn't start on its own

After connecting with the EVAcontroller AP ######, go to your internet browser and enter the following address in the address bar:

Android: 192.168.4.1 (IP address)
iOS and Windows: evacontroller.local



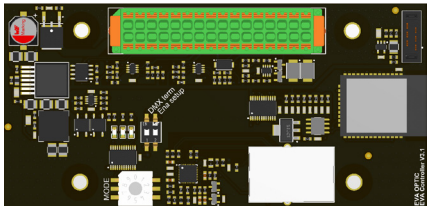
Connect the EVA Controller PCB with the wireless network

1. Select Station Mode next to Network Mode.
2. Choose your home network next to Network SSID.
3. Enter your password next to Password.
4. The address assignment is set to DHCP by default.
5. The DNS Server should be empty.
6. Check if evacontroller is filled in next to Hostname.
7. The other settings usually do not need to be changed. Click the save icon at the top right.

If the save is successful, proceed to the next step. If you get an error when saving, fill in the default gateway in the DNS Server field. If that doesn't work, enter '8.8.8.8' in the DNS Server field.

Important

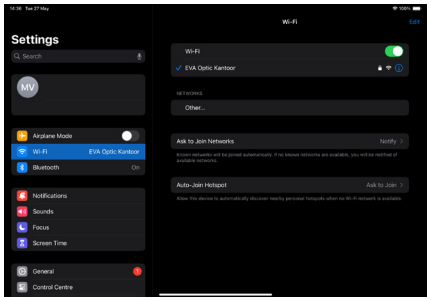
Do not change the hostname during the setup. Modifying it will alter the device's network name, which may cause confusion as it will no longer match the instructions in the manual.



Disable Setup Mode

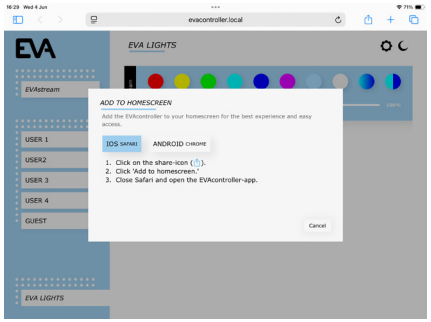
To finalise the connection and ensure the EVA Controller PCB stays connected to the home network:

- On the EVA Controller PCB, set the Enable setup switch to OFF (slide switch 2 back to OFF). The connection to EVAcontroller AP ###### will be lost.
- The ECA Control will now remain connected to the home network.



Connect the tablet to the home network

Open the screen with Wi-Fi connections on the tablet and connect to the home network.



Connect the tablet to the EVA Web app environment

Go to your internet browser and enter the following address in the address bar:

iOS and Windows: **evacontroller.local**

For iOS: add the EVA Web app to the home screen as described in 2.4.

5. ANDROID – ETHERNET SETUP

Connect the EVA Controller to Ethernet using a network cable, or to your Wi-Fi network via Station Mode.



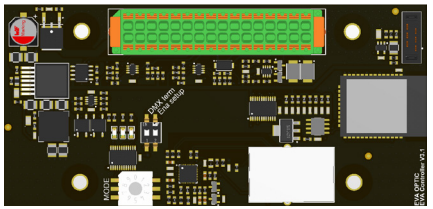
Connect with Ethernet

Remove the cover of the ECA Control to access the EVA Controller PCB. No tools are needed, the cover is attached with a click mechanism at the top and bottom.

Plug the Ethernet cable into the ECA Control.

Connect with Station Mode

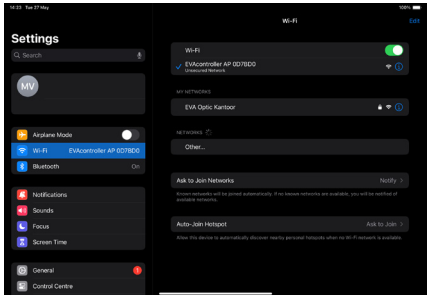
Via Station Mode nothing needs to be done in this step.



Enable Setup Mode

To connect the ECA Control to the home network via Station Mode or Ethernet, enable the Wi-Fi setup mode:

1. Remove the cover of the ECA Control to access the EVA Controller PCB.
2. On the EVA Controller PCB, set the Enable setup switch to ON (slide switch 2 to ON).



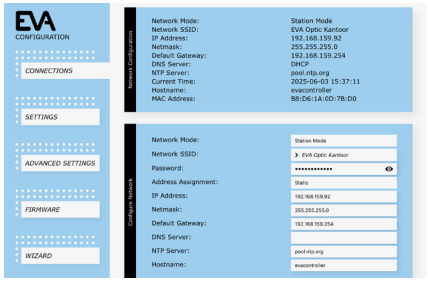
Connect the tablet or laptop to the ECA Control

Open the screen on the tablet with Wi-Fi connections, and connect to the network **EVAcontroller AP ######**. The EVA logo appears as the app launches automatically.

If the app doesn't start on its own

After connecting with the EVAcontroller AP ######, go to your internet browser and enter the following address in the address bar:

Android: **192.168.4.1** (IP address)

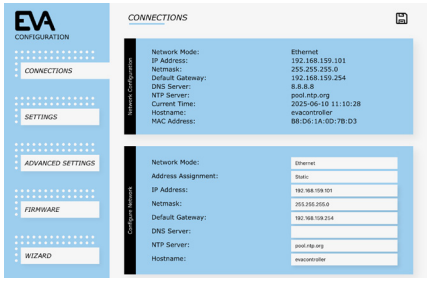


Connect the EVA Controller to the new network

Connection via Station Mode

1. Select Station Mode next to Network Mode.
2. Choose your home network next to Network SSID.
3. Enter your password next to Password.
4. Click the save icon at the top right. When the save is successful, the network details required for the next step will appear at the top of the screen.
5. Set the Address Assignment to Static.
6. Use the IP address from above and enter it manually below in the IP address field. Write down or screenshot the IP address, as you will need it later to set up the connection.
7. Use the Netmask from above and enter it below in the Netmask field.
8. Use the Default Gateway from above and enter it below in the Default Gateway field.
9. The DNS Server should be empty.

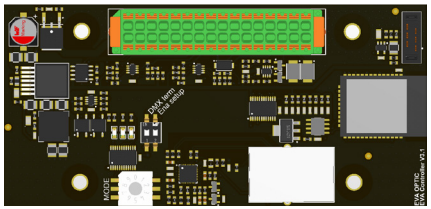
The other settings usually do not need to be changed. Click the save icon at the top right. If the save is successful, proceed to the next step. If you get an error when saving, fill in the default gateway in the DNS Server field. If that doesn't work, enter '8.8.8.8' in the DNS Server field.



Connection via Ethernet

1. Select Ethernet next to Network Mode.
2. Change the Address Assignment from DHCP to Static.
3. Use the IP address from above and enter it manually below in the IP address field. Write down or screenshot the IP address, as you will need it later to set up the connection.
4. Use the Netmask from above and enter it below in the Netmask field.
5. Use the Default Gateway from above and enter it below in the Default Gateway field.
6. The DNS Server should be empty.

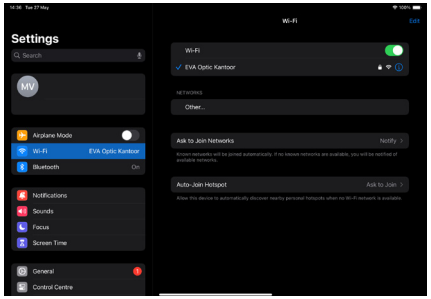
The other settings usually do not need to be changed. Click the save icon at the top right.



Disable Setup Mode

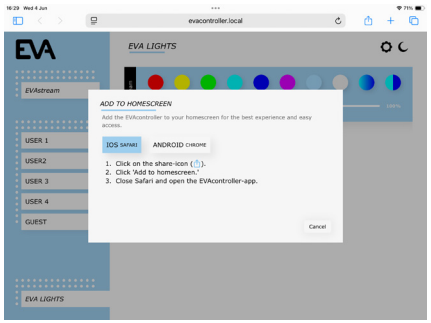
To finalise the connection and ensure the EVA Controller PCB stays connected to the home network:

- On the EVA Controller PCB, set the Enable setup switch to OFF (slide switch 2 back to OFF). The connection to EVAcontroller AP ###### will be lost.
- The ECA Control will now remain connected to the home network.



Connect the tablet to the home network

Open the screen with Wi-Fi connections on the tablet and connect to the home network.



Connect the tablet to the EVA Web app environment

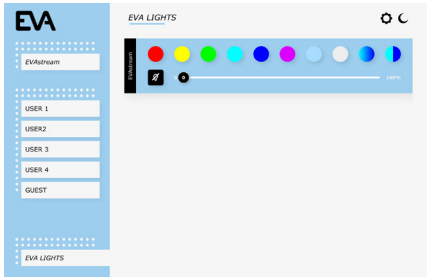
Go to your internet browser and enter the following address in the address bar: **your personal IP address** (noted in step 4; this address is unique to you).

Add the EVA Web app to the home screen as described in 2.4.

6. SETTINGS FOR FIRST USE

Before using the EVA Web app environment for the first time, it is advisable to enter a number of settings. To access the settings, use a tablet or laptop. Accessing the settings with a phone is not possible because of the limited display size.

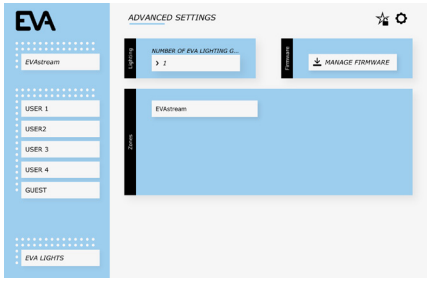
6.1 Control lighting groups



Open the EVA Web app

The lighting group is automatically switched off.

Click on the EVA app icon you created in the previous steps. You will now see the home page of the EVA Web app environment.



Set the lighting groups

1. Click twice on the gear icon at the top right of the screen to go to the advanced settings for linked EVA products.
2. The settings depend on the control version. You can read more about this in chapter 7, Overview of the different controls. The advanced settings are not available with the Eco version and are only partially available with the Essential version.
3. The lighting group is automatically switched off. In the app, select the number of groups at Lighting groups and give them recognisable names in Zones (block below). Only enter multiple zones when there are several light groups, such as EVAstream lamps, jacuzzi lamps, etc.

Important

The first group is always the lighting group linked to the EVAstream. The lighting in this group automatically changes colour during the training program.

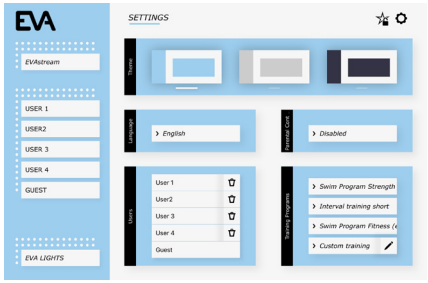
Controlling the lighting groups

The four lighting groups can be controlled on the following DMX channels:

Group 1	DMX address 001 (underwater lighting)	channels 1 – 4
Group 2	DMX address 011	channels 11 – 14
Group 3	DMX address 021	channels 21 – 24
Group 4	DMX address 031	channels 31 – 34

When the lighting is set to channels 1 to 4, it will automatically change in sync with the EVAstream.

6.2 Parental control



Click once on the gear icon at the top right of the screen to go to the basic settings.

On this page you can select the colour scheme of the web environment, set your language, set a child lock, create users and link EVAstream training courses to the users.

Setting parental control

1. Select Enabled at Parental control.
2. First enter the master code **6738** and after that your own chosen code (4 digits). From now on you can use both codes (master code and your own code). If you forget your own code, you can always use the master code to create a new code.

When the child lock is enabled, you will be asked to enter the code at various times, before use of the EVAstream.

Important

When parental control is enabled, a tablet or smartphone is required to operate the system. It cannot be activated or deactivated using the remote control.

6.3 Set users

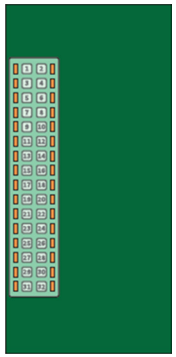
1. Select Add New User and enter the name of the user, followed by Enter.
2. Add workouts to the user by selecting them in the right menu Programs.

7. OVERVIEW OF THE DIFFERENT CONTROLS

The functions available in the EVA Web app depend on the version of the EVA Control.

EVA Control Eco	Turn the stream on or off and adjust the flow speed. In the settings, you can change the language, set the parental control, update the firmware and customise the colour of the app.
EVA Control 1 Essential	All the same features as the Eco version. In addition, you can control the EVAsubaqua. The app allows you to operate multiple lighting groups.
EVA Control 2 Trainer	The same settings as the EVA Control 1 Essential. In addition, users can follow 3 different training programmes with intensity levels that are personalised for each user. The lighting of the EVAsubaqua changes colour to match the different phases of the training sessions.
EVA Control 3 ProTrainer	All the same settings as the EVA Control 2 Trainer. It offers 20 different training programmes and the option to create your own custom workouts.

8. EVA CONTROL CONNECTION LAYOUT



Function	Type	Port		Type	Function
Fan 24 Vdc	–	1	2	+	Fan 24 Vdc
PPM output 2	–	3	4	+	PPM output 2
PPM output 1	–	5	6	+	PPM output 1
Piezo 4 LED 12 Vdc	–	7	8	+	Piezo 4 LED 12 Vdc
Piezo 4 switch	sw	9	10	sw	Piezo 4 switch
Piezo 3 LED 12 Vdc	–	11	12	+	Piezo 3 LED 12 Vdc
Piezo 3 switch	sw	13	14	sw	Piezo 3 switch
Piezo 2 LED 12 Vdc	–	15	16	+	Piezo 2 LED 12 Vdc
Piezo 2 switch	sw	17	18	sw	Piezo 2 switch
Piezo 1 LED 12 Vdc	–	19	20	+	Piezo 1 LED 12 Vdc
Piezo 1 switch	sw	21	22	sw	Piezo 1 switch
DMX G (shield)	G	23	24	G	DMX G (shield)
DMX in/out	–	25	26	–	DMX in/out
DMX in/out	+	27	28	+	DMX in/out
24 Vdc in	–	29	30	–	24 Vdc out
24 Vdc in	+	31	32	+	24 Vdc out

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