

QUICK MANUAL ECA PRO

A step-by-step guide for operating the EVA LED underwater lighting and the EVAstream with remote control and the EVA Experience web app

TABLE OF CONTENTS

1 Connect ECA PRO to EVA LED underwater lighting (without EVAStream) 3

1.1 PCB Settings 4

1.2 Electrical connections 5

1.3 Functions 6

2 Connect ECA PRO to EVAStream 7

2.1 PCB Settings 8

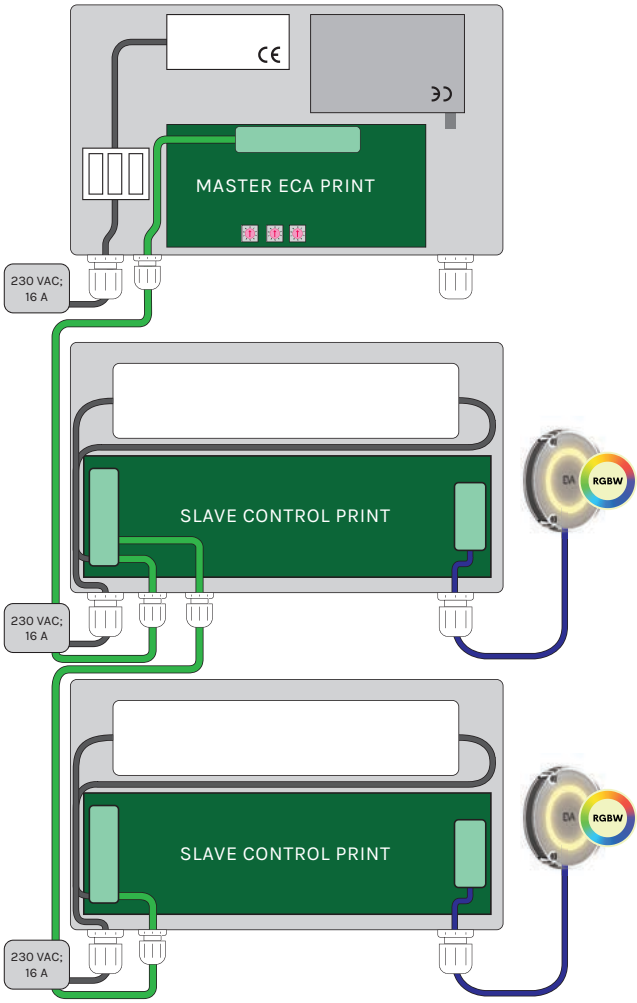
2.2 Electrical connections 9

2.3 Functions 10

Optional: connect the antenna to ECA PRO 11

1. CONNECT ECA PRO TO EVA LED UNDERWATER LIGHTING (WITHOUT EVASTREAM)

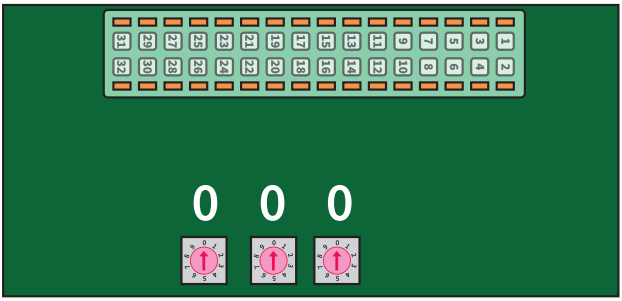
To control the EVA underwater lighting with the EVA Remote Control and the EVA Experience web app, connect the ECA Pro to the EVA LED underwater lighting (4+2 channel LED driver).



1.1 PCB Settings

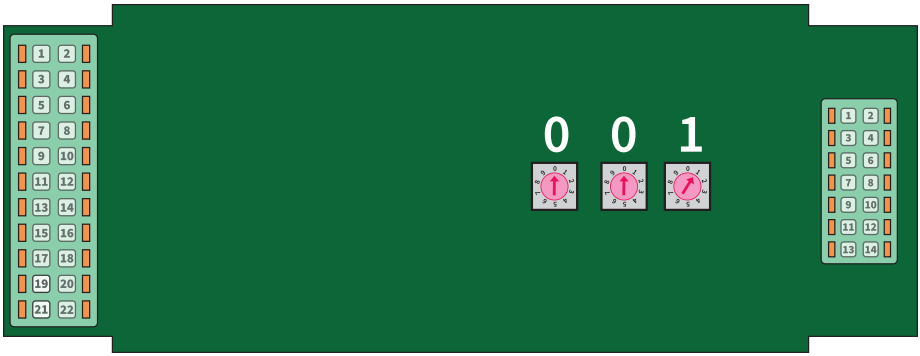
In this case the ECA Pro is the master control. The EVA LED underwater lighting's PSUs must be set in slave mode.

ECA Pro



Setting the Control Print:
Set the Rotary switches at **<u>000</u> (Master mode)**

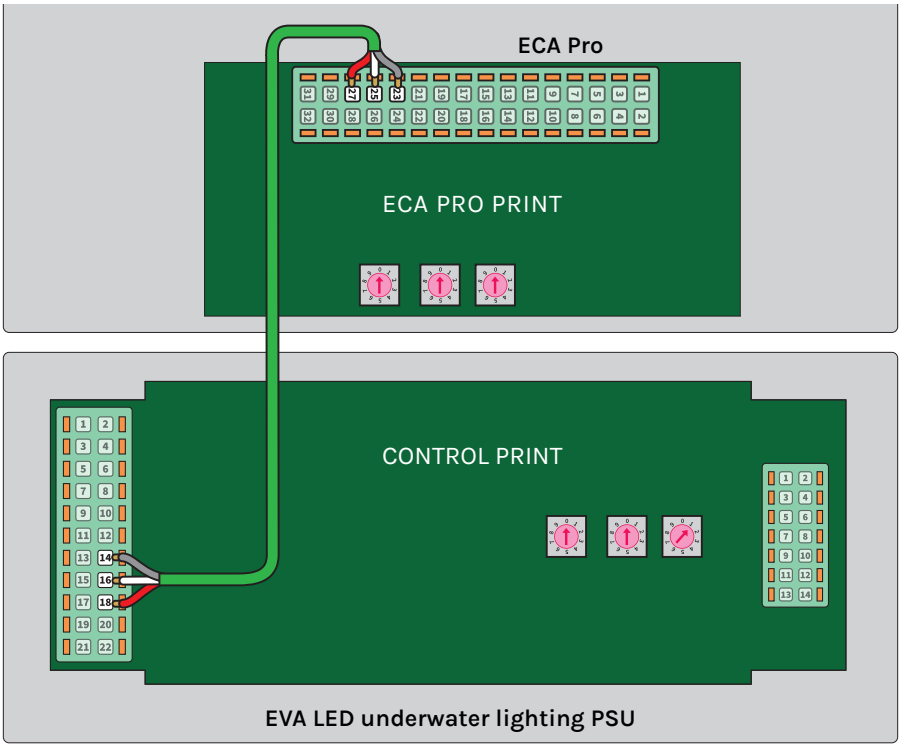
EVA LED underwater lighting PSU



Setting the Control Print:
Set the Rotary switches at **<u>001</u> (Slave mode)**

It is possible to connect multiple lighting groups to the ECA Pro. In addition to 001, 3 more groups can be created with the following settings in the rotary switches: 011 / 021 / 031. The remote control only works on group 001. All groups can be controlled in the EVA Experience web app.

1.2 Electrical connections



DMX cable connection

Connect the DMX cable (110ohm 2-wire shielded cable) from the ECA Pro Print (23,25,27) to the Control Print (14,16,18) of the EVA underwater lighting PSU on the numbers indicated. The ECA Pro provides the (master) control.

Connect the EVA underwater lighting PSUs to each other using DMX cable

- Connect the DMX-cable (2-wires + shield) to the Control Print on the left side of the PSU on the numbers indicated (14,16,18).
- Connect the same DMX-cable to the Control Print on the left side of the following PSU on the numbers indicated (13,15,17).
- Repeat this for all PSUs (13-14: Shield, 15-16: DMX-, 17-18: DMX+).

1.3 Functions

Remote control

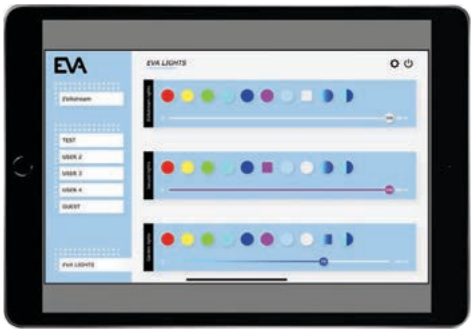
When the rotary switches of the ECA Pro are set to 000, the Remote Control has the following functions:



ON/OFF button	On/off EVA LED underwater lights
Button +	Change light scene +
Button -	Change light scene -

EVA Experience web app

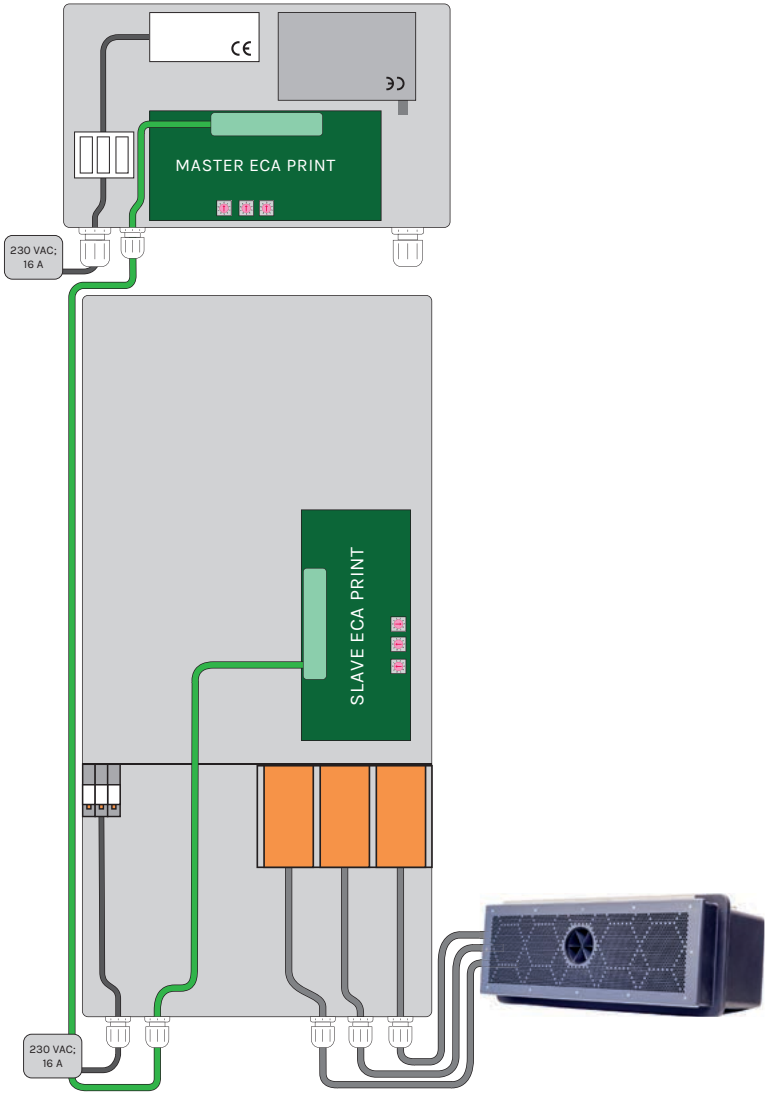
Use the EVA Experience web app to manage all EVA LED underwater lights. For correct operation, the app must indicate that there is no EVAstream and how many lighting groups you want to operate. You can choose the correct setting in the installation wizard. In addition, these settings can always be adjusted under the ‘advanced settings’ tab.



How to use the EVA Experience web app

2. CONNECT ECA PRO TO EVASTREAM

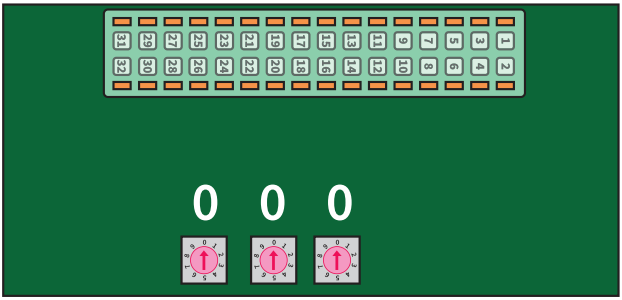
To control the EVAstream with the EVA Remote Control connect the ECA Pro to the EVAstream.



2.1 PCB Settings

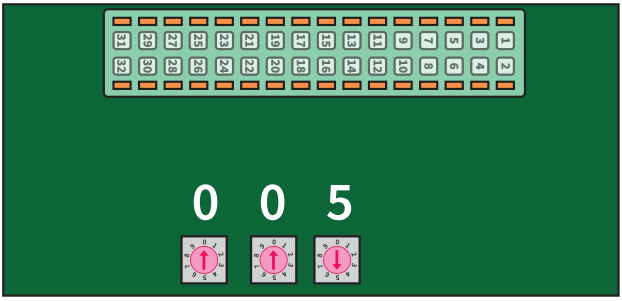
In this case the ECA Pro is the master control. The ECA Print of the EVAstream must be set in slave mode.

ECA Pro



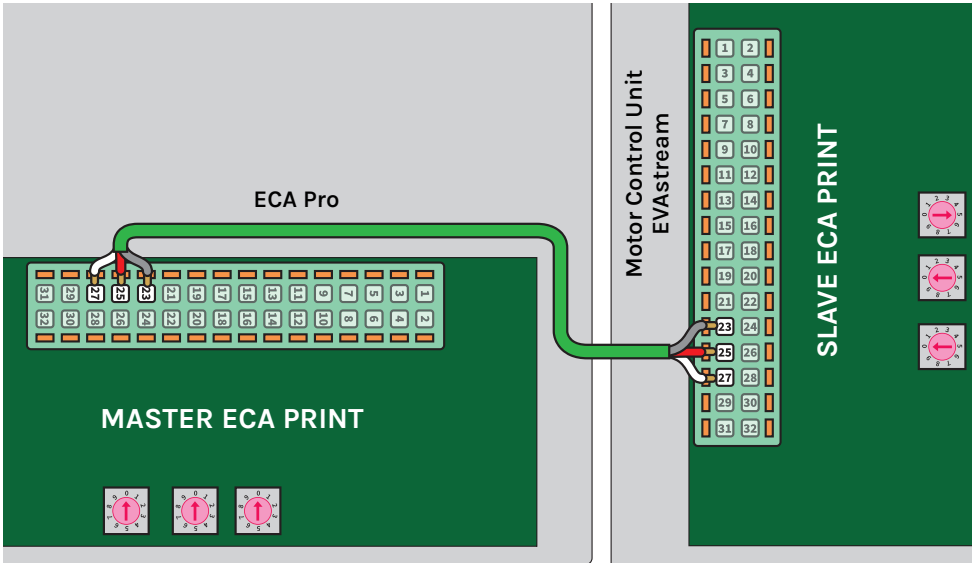
Setting the ECA Print:
Set the Rotary switches at **<u>000</u> (Master mode)**

EVAstream



Setting the Control Print:
Set the Rotary switches at **<u>005</u> (Slave mode)**

2.2 Electrical connections



DMX cable connection

Connect the DMX cable (110ohm 2-wire shielded cable) from the ECA Print of the ECA Pro (23,25,27) to the ECA Print (23,25,27) of the EVAstream on the numbers indicated. The ECA Pro provides the (master) control.

2.3 Functions

When the rotary switches of the ECA Pro are set to 000, the Remote Control has the following functions:

Remote control

The EVA Remote control has the following functions:



ON/OFF button	On/off EVAstream
Button +	Short press: increase intensity 5% Long press: increase intensity as long as you press for a stepless increase of in speed
Button -	Short press: decrease intensity 5% Long press: decrease intensity as long as you press for a stepless decrease in speed

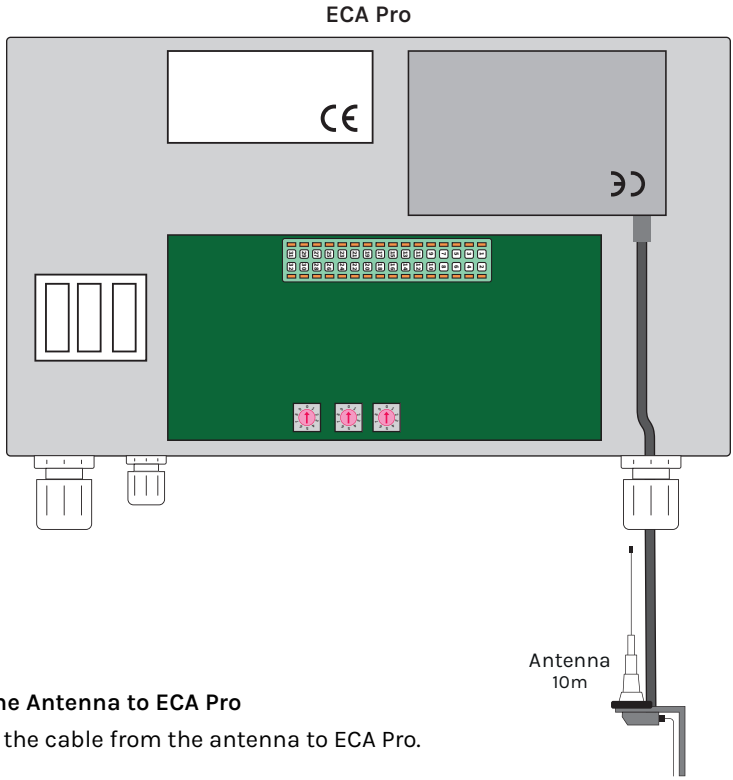
If the remote control is also used for the lighting, the on/off button can be used to switch between controlling the EVAstream and the lighting.

To change: press and hold the on/off button for 2 seconds:

- When you see the white light, the remote starts controlling the EVAstream
- When you see the blue light, the remote starts controlling the EVA LED underwater lighting

OPTIONAL: CONNECT THE ANTENNA TO ECA PRO

If the remote control has insufficient range, an antenna must be installed.



Connect the Antenna to ECA Pro

- Connect the cable from the antenna to ECA Pro.

EVA Optic
De Velde 1
8064 PH Zwartsluis
The Netherlands
+31 (0)38 - 33 75 067
info@evaoptic.com
evaoptic.com