## PART LIST



| Key No. | Part No. | Description | Qty |
|---|---|---|---|
| 1 | 03011007 | M4*12 Screw | 4 |
| 2 | 04014054 | Light Switch | 1 |
| 3 | 04014090 | Electronic Board (220V 50Hz/60Hz) | 1 |
| 3 | 04014114 | Electronic Board (110V 60Hz) | 1 |
| 4 | 03011196 | M3*6 Screw | 4 |
| 5 | 89480101 | Control Box | 1 |
| 6 | 04014013 | Cable Gland | 3 |
| 7 | 87013019 | Plastic Wall Fitting for Screw | 4 |
| 7 | 03011023 | M5*35 Screw | 4 |
| 8 | 04014089 | Remote Control with Battery | 1 |
| 9 | 01360015 | Panel board | 1 |

# RGB SERIES UNDERWATER LIGHT CONTROL BOX

**Model: RGB-CB**

**Code:08040009**(220-240V 50Hz)   **08040020**(110V 60Hz)

Keep this manual safe for future reference



### APPLICABLE  FOR EMAUX RGB SERIES UNDERWATER LIGHT:

RGB-P100/RGB-TP100/RGB-NS75/RGB-NS150/RGB-H200

### Warning:

This electrical control box must be installed by a licensed or certified electrician or a qualified serviceman in accordance to the requirements of your government standard or local authorities. Improper installation will create electric hazards which could result in serious injury, death as well as damage to the property.

### CUT THE POWER BEFORE SERVICE AND MAINTAINANCE!

### INSTALLATION EXPLAIN

1.Remove the Panel from the Control Box, position the box to the desired fitting place and mark on the wall with the location of the drilled holes, then drill 4 holes of ø8mm on the marked position and insert a plastic fitting, secure the box by fastening 4 screws of M5x35 to the plastic fittings(See diagram below).
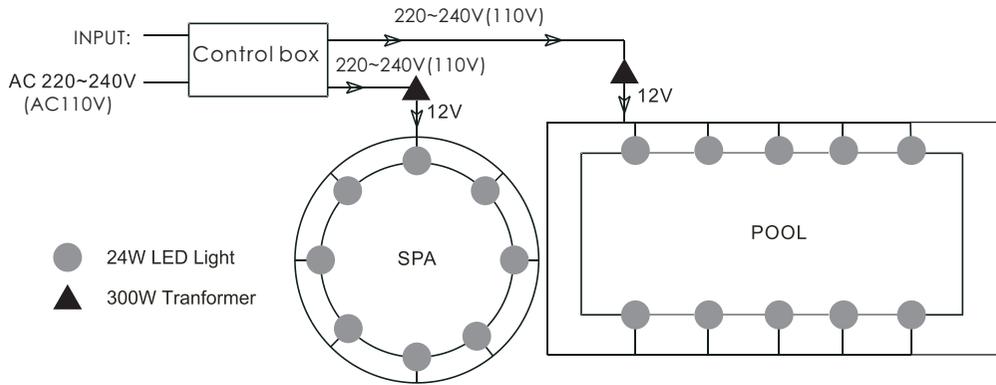
### CONTROL BOX INSTALLATION DIAGRAM



Control Box          Plastic Fitting

Wall

M5×35 Self-Tapping Screw M5×35
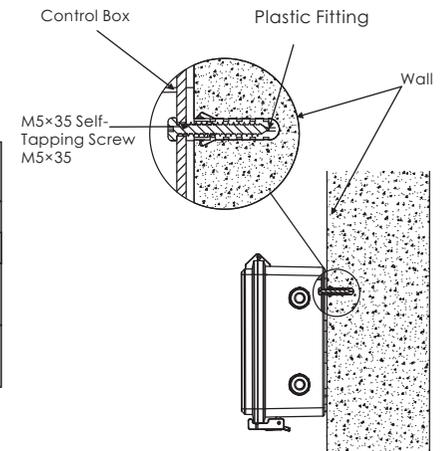
### SPECIFICATIONS

| Work temperature | 0-35℃ |
|---|---|
| Input voltage | AC220-240V, 50Hz |
| | AC110V,60Hz |
| Output voltage | AC 12V, 2*300W |
| Frequency RF | 433.92MHz |

## CONTROL BOX WIRING DIAGRAM



INPUT:
AC 220~240V
(AC110V)

Control box

220~240V(110V)

220~240V(110V)

12V

12V

12V

SPA

POOL

● 24W LED Light

▲ 300W Tranformer

⚠ **Warning: load of the control box should not exceed 2*300W.**

### CONTROLS INDEX

- Switch on the "POWER" switch to turn on themain power, the POWER LED will light up.
- Press the "POOL" button to switch ON/OFF or change color for all the underwater lights connected to the POOL outlet.
- Press the "SPA" button to switch ON/OFF or change color for all the underwater lights connected to the SPA outlet.
- Press the "POOL & SPA" button to switch ON/OFF or change color for all the underwater lights connected to both POOL and SPA outlet (Remark: To sync the underwater lights connected to the POOL and SPA outlet, press the "RESET" button).
- Press the "RESET" button to reset all the underwater lights connected to the POOL and SPA outlet, to white color.
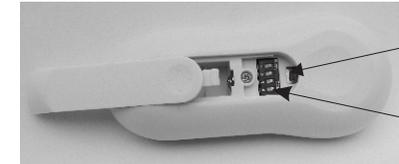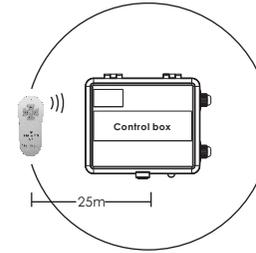
### PATTERN TABLE

| No. | PATTERNS | No. | PATTERNS |
|-----|----------|-----|----------|
| 1 | Static white | 6 | Static yellow |
| 2 | Static blue | 7 | Three-color change |
| 3 | Static green | 8 | Seven-color change |
| 4 | Static cyan | 9 | Seven-color gradual change (Fast) |
| 5 | Static purple | 10 | Seven-color gradual change (Slow) |

## Setting of the Remote Control

**Operation distance for the remote control is 25m.**



Sync button

Frequency Setting

Each control box is associated with a remote control. To use a single remote to control a multiple number of control boxes, you would need to configure the Frequency at the back of the remote control. The Frequency of the Remote would then need to be synced with all the control boxes.

- Slide open the back of Remote Control
- Set the Frequency
- Turn on Control Box(es)
- Sync the Remote to the Control Box(es)
- Press the Sync Button until the lights on the Control Boxes turn



If you have multiple control boxes and you want to use a remote control for a specific control box, you must set the Frequency on the remote control to a unique combination.

- Slide open the back of Remote Control
- Set a unique Frequency on the Remote Control
- Turn on the Control Box associated with that particular Remote Control
- Sync the Remote to the Control Box
- Press the Sync Button until the lights on the Control Box turn on
- Once synced, turn off the control box and move to the next set of Control Box and Remote. Repeat above steps.