Manuals+ — User Manuals Simplified.
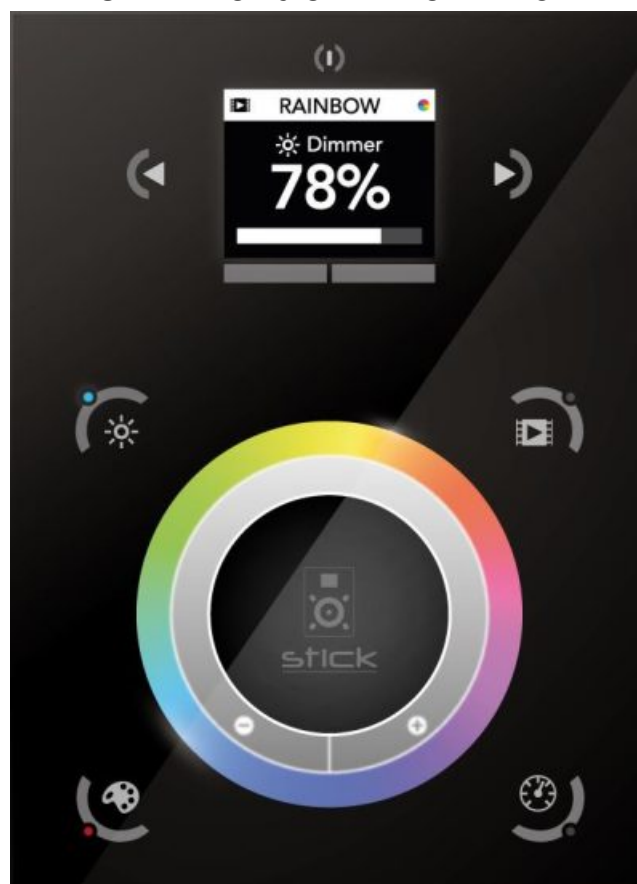

Ocean LED 013010 Wi-Fi DMX Touch Panel Controller Kits User Manual

LED 013010 Wi-Fi DMX Touch Panel Controller Kits
2021
INSTALLATION & OPERATION MANUAL

WWW.OCEANLED.COM

LIGHT .YEARSAHEAD .
OceanLED MANUAL/CONTROLLERS/WiFi DMX TOUCH/REVISION 0.1

Preface

READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL

WARNINGS

Before installing your DMX Controller, read and follow all warning notices and instructions which are included. Failure to follow safety warnings and instructions can result in property damage, severe injury or even death.

Before installing your DMX Controller, check local laws for restrictions regarding the use of colored lights in your area.

Salt is an inherently corrosive material. Natural and man-made surfaces are susceptible to corrosion and deterioration when used in and around saltwater. Some combinations of plastic and polymer products are impervious to saltwater corrosion, however, screws and fasteners used for the installation must be of a marine-grade type stainless steel or equivalent and monitored annually to ensure the controller remains in service for years to come.

Never Use Solvents! Cleaners, fuel, and other products that may contain strong solvents, such as acetone, attack many plastics greatly reducing their strength and can cause irreversible damage.

Units are not waterproof. You must mount in a dry location. When installing, be sure that the controller fits the area and secures to the mounting location using the appropriate hardware before installing.

DANGER
RISK OF ELECTRIC SHOCK OR ELECTROCUTION

This unit must be installed by a licensed or certified electrician in accordance with all applicable local codes and ordinances. Improper installation will create an electrical hazard that could result in death or serious injury to installers, or others due to electrical shock, and may also cause damage to property. Always disconnect the power to the light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to a serviceman, or others due to electrical shock.

PRETEST
Always test the system prior to installation. Failure to do this may result in additional installation time and could invalidate the warranty.

IMPORTANT NOTICE
Attention Installer: This manual contains important information about the installation, operation, and safe use of this product. This information should be given to the owner and/ or operator of this equipment.

WARRANTY COVERAGE
Please refer to **www.oceanled.com/downloads** for a full warranty statement.

Overview

⚠️ Units are not waterproof. You must mount in a dry location. When installing, be sure that the controller fits the area and secures to the mounting location using the appropriate hardware before installing.

TOOLS AND MATERIALS

⚠️ Never use power tools. Hand tightens only!

- Drill & Drill Bits.
- Screw Driver, Phillips #2
- Wire Strippers.
- Tape measure and Ruler or Straight Edge.
- Marking Utensil (Pencil, Sharpie Magic Marker, etc)

FINDING THE MOUNTING LOCATION

- The mounting location needs to be carefully selected to ensure the unit will not be exposed to moisture.
- Ensure that the ambient temperature where the unit is mounted cannot exceed 45°C – Note that engine compartments can easily exceed this.
- The chosen location requires access to mains power, space for the routing of the DMX cable to the driver boxes, and also an Ethernet connection to a Wi-Fi router / LAN Wi-Fi for the Wi-Fi controller if the Wi-Fi function is required.

🔧 **For DC power installations please contact OceanLED for advice**
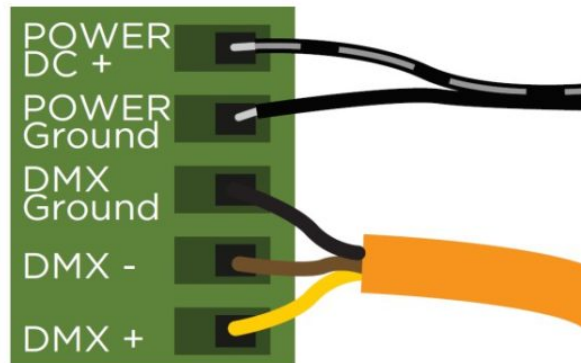
SPECIFICATIONS

- Ready to use (pre-loaded with scenes).
- Glass Touch Panel with graphical color display
- Micro SD Card (32Gb Max)
- 6-7V DC / 100-240V AC (With Adapter)
- Environment IP20, Temp -10˚C to 45˚C
- Certifications: CE, EMC, ROHS, ETL
- Dimensions 146x106x11mm
- Weight 247g

Installation

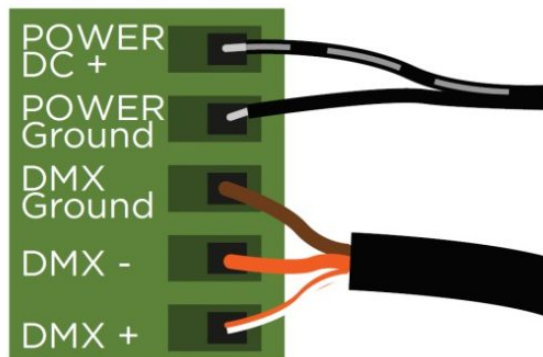## CONNECT THE WIRES (EXPLORE E6 & E7)

1. Connect the control cable to the green connector (as below)
    - DMX Ground = Black

- DMX – = Brown
- DMX + = Yellow
- Red wire (Unused, do not connect)

2. Connect power via the AC/DC adapter provided.
   - Power DC + = Black/White Stripe
   - Power DC – = Black

CONNECT THE WIRES (PRO SERIES)

3. Connect the control cable to the green connector (as below)
   - DMX Ground = Brown & Brown/White (two wires)
   - DMX – = Orange
   - DMX + = Orange/White

4. Connect power via the AC/DC adapter provided.
   - Power DC + = Black/White Stripe
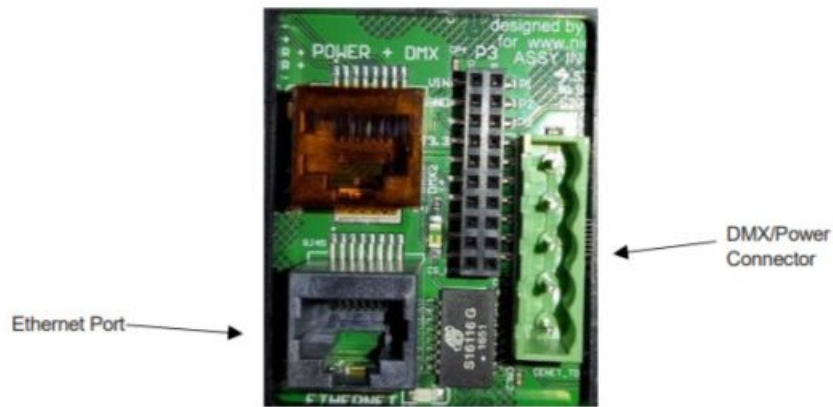   - Power DC – = Black

MOUNT IN A DRY LOCATION

1. Plug the green connector block into the rear of the DMX Wi-Fi Touch Panel Controller.

2. For Wi-Fi plug the local ethernet cable into the rear of the DMX Wi-Fi touch panel controller (Ensure the correct RJ45 port is used):
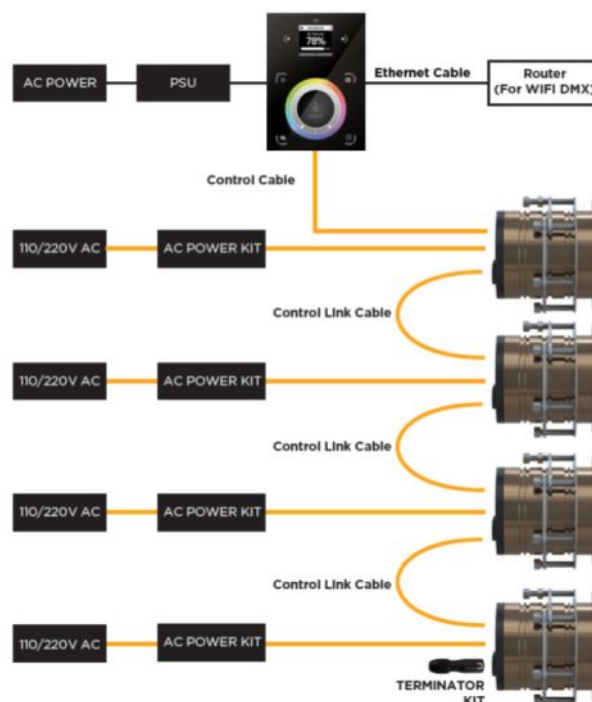

3. Mount the backplate of the interface on the preferred dry mounting location.
4. Close the unit by clipping the front panel onto the backplate.

FINALISE YOUR INSTALLATION (EXPLORE E6 & E7)

Always test the system BEFORE the boat goes back into the water. Typical OceanLED light installs require the boat to be hauled out of the water to replace light units.
The DMX standard recommends a maximum of 32 devices to be connected in one chain. If the installation requires more lights than this, please contact OceanLED for advice.

1. If Wi-Fi is required connect the Ethernet cable from the back of the controller panel into a suitable Wi-Fi router or Wi-Fi-enabled network. (The controller is DHCP enabled as standard so should be detected by the network once powered).
2. Connect the control cable to the control input of the first Explore E6 light. Then connect a control link cable to the next, and so on up to the last light in the chain.
3. Fit the supplied terminator to the output of the last E6 light. See the following example of the connections:
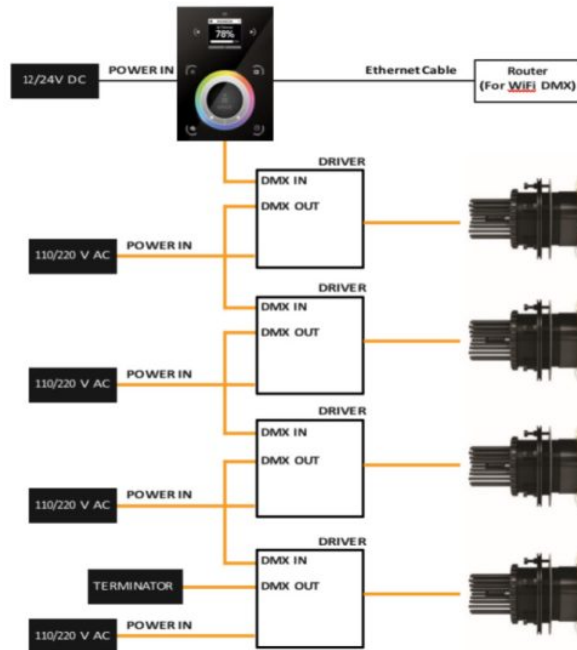

Always test the system BEFORE the boat goes back into the water. Typical OceanLED light installs require the boat to be hauled out of the water to replace light units.
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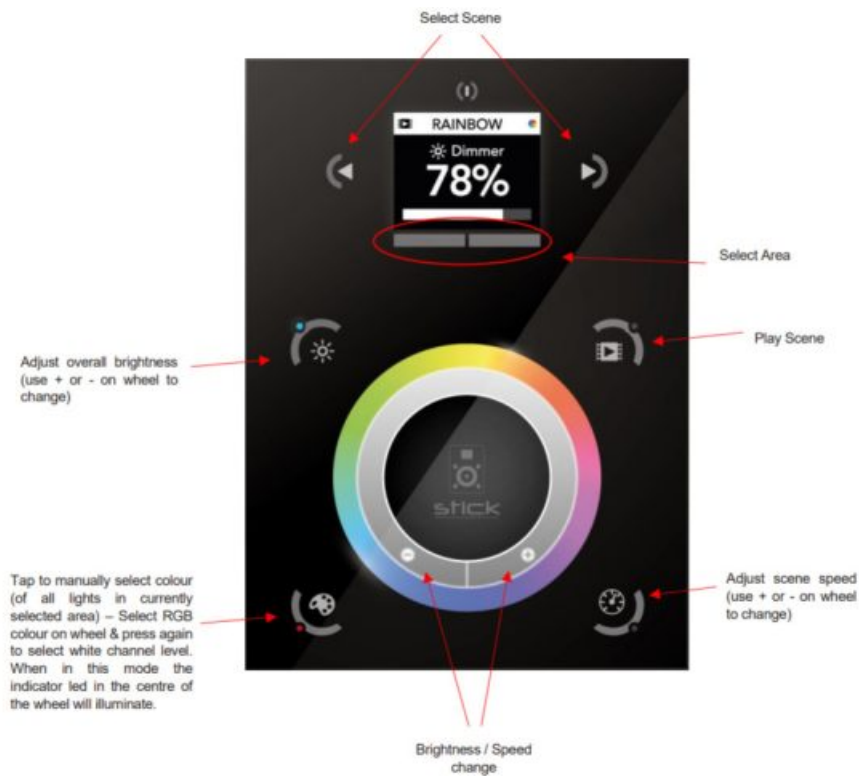requires more lights than this, please contact OceanLED for advice.

4. If Wi-Fi is required connect the Ethernet cable from the back of the controller panel into a suitable Wi-Fi router or Wi-Fi-enabled network. (The controller is DHCP enabled as standard so should be detected by the network once powered).

5. Connect the DMX controller DMX output cable to the DMX input of the first driver box. The DMX output of this box should be connected to the input of the next, and so on up to the last driver in the chain.

6. Fit the supplied terminator to the output of the last driver box. See the following example of the connections:

Operation

POWER / SCENE SELECTION

1. Power on the unit by touching the top center button.

2. Select the required scene by using the buttons under the 'Select Area' buttons below the display to select the required area and select the scene by touching the left/right arrows on either side of the display. Once the required scene is selected, play that scene, press the 'Play Scene' button.

Select Scene

Select Area

Play Scene

Adjust overall brightness (use + or - on wheel to change)

Tap to manually select colour (of all lights in currently selected area) – Select RGB colour on wheel & press again to select white channel level. When in this mode the indicator led in the centre of the wheel will illuminate.

Adjust scene speed (use + or - on wheel to change)

Brightness / Speed change

PRE-PROGRAMMED SCENES – EXPLORE

Explore Dual White / Blue		
Scene	**Number**	**Function**
Solid Colors	White	White
	Blue	Blue
	Blue/White	Blue 50% White 50% Mix
Dynamic Modes	White Stub	White Strobe
	Blue Stub	Blue Strobe
	B/W Stub	Blue / White Strobe
	BW Cycle	Blue / White Cycle
	Red	Red
	Orange	Orange
	Yellow	Yellow
	Green	Green
	Blue	Blue
	Indigo	Indigo
	Violet	Violet
	White	White
Solid Colors	Red 2	Red Shade – 2

	Red 3	Red Shade – 3
	Green 2	Green Shade – 2
	Green 3	Green Shade – 3
	Blue 2	Blue Shade – 2
	Blue 3	Blue Shade – 3
	White 2	White Shade – 2
	White 3	White Shade – 3
Dynamic Modes	RGB Cycle	Red Green Blue Cycle
	RGBW Cycle	Red Green Blue White Cycle
	R-B Cycle	Red Blue Cycle
	G-B Cycle	Green Blue Cycle
	B-W Cycle	Blue White Cycle
	G-W Cycle	Green White Cycle
	R-W Cycle	Red White Cycle
	R-G Cycle	Red Green Cycle
	Multi Strobe	Multi Strobe
	RGB Strobe	RGB Strobe – Red Green Blue Strobe
	RGBW Strobe	RGBW Strobe – Red Green Blue White Strobe
	R-B Strobe	Red Blue Strobe
	G-B Strobe	Green Blue Strobe
	R-B-W Strobe	Red Blue White Strobe
	G-W-R Strobe	Green White Red Strobe

Troubleshooting

Wi-Fi DMX Touch Panel Controller			
Problem	**Check**	**Cause**	**Fix**
	Check Power to Controller is on	No Power	Connect Power
		Power OK	Check Connections

DMX controller does not power on	Check Connections to controller faceplate	Connected incorrectly	Correct Connections
		Connected OK	Contact Warranty Department
Lights do not respond to the controller and/or random flickering of lights/colors	**Check DMX** connection is daisy-chained between a controller and all drivers	Not connected correctly	Correct cabling connections
	Check all other cables are connected correctly and are not damaged	Not connected correctly	Correct connections
		Damaged cable	Replace Cable
	Check Terminator is fitted to last driver box	Terminator not fitted	Fit terminator
		Terminator fitted	Contact Warranty Department
WiFi not working (only applicable to wi-fi model)	Check Ethernet cable is connected into the back of the controller panel correctly.	Not connected	Reconnect cable
	Check the controller panel is recognized on the connected network.	Controller not visible	Try re-booting the network hub and controller panel.
	Check connected network WiFi is functioning correctly	WiFi not functioning	Resolve issue with network WiFi
		WiFi network OK	Contact Warranty Department

Warranty

Please remove this page and keep for your files For technical assistanc e:
Europe: service@oceanled.com
The Americas: warranty@oceanledusa.com

Warranty Serial Code(s):

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Documents / Resources

	Ocean LED 013010 Wi-Fi DMX Touch Panel Controller Kits [pdf] User Manual 013010 Wi-Fi DMX Touch Panel Controller Kits, 013010, Wi-Fi DMX Touch Panel Controller Kits