

obey™ 4 D-Fi 2.4

User Manual

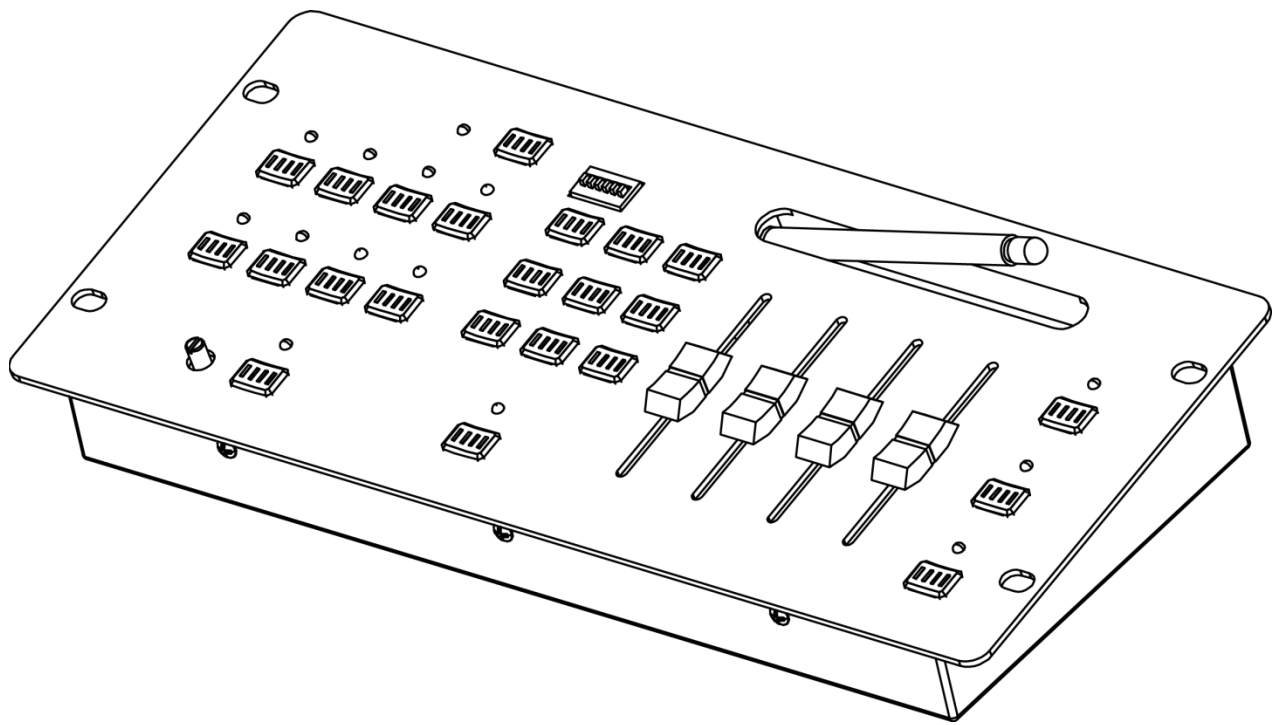


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1. BEFORE YOU BEGIN

What Is Included

- Obey™ 4 D-Fi 2.4
- External Power Supply
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

Carefully unpack the Obey™ 4 D-Fi 2.4 and check that all the parts are in the package, and are in good condition.

Claims

If the box, or any of the contents, appear damaged from shipping, save all the packaging and file a claim with the carrier immediately. Failure to report damage to the carrier immediately, or failure to save all the packaging, can invalidate a claim.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with CHAUVET® within 7 days of delivery. See [Contact Us](#) for contact information.



CHAUVET® recommends resetting the Obey™ 4 D-Fi 2.4 prior to initial use. For more information see [Resetting The Board](#).

Conventions

Convention	Meaning
1—512	A range of values
Settings	A menu option
Menu > Settings	A sequence of menu options
<Enter>	A button

Symbols

Convention	Meaning
	Critical information. Ignoring it can cause malfunction, damage the product, or harm the operator.
	Important information. Ignoring it can cause the product to malfunction.
	Useful information.

Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. CHAUVET® assumes no responsibility or liability for any errors or omissions, and reserves the right to revise or recreate this manual at any time. The latest version of this manual can be downloaded from <http://www.chauvetlighting.com/product-manuals-literature/>.

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Author	Date	Editor	Date
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Product at a Glance	Use on Dimmer	X	Auto Program	X
	Outdoor Use	X	Auto-Ranging Power Supply	P
	Sound-Activated	P	Replaceable Fuse	X
	DMX	P	User-Serviceable	X
	Master/Slave	X		

Safety Notes These notes include important information about the mounting, use, and maintenance of this product. Read these notes before using the product.



- Always connect the product to a grounded circuit.
- Make sure the power cord is not crimped or damaged.
- Always disconnect the product from the power source before cleaning it.
- Never disconnect the product from the power source by pulling or tugging on the cord.
- Make sure there are no flammable materials close to the product when it is operating.



- The product is for indoor use only! It is rated at IP20.
- Do not expose the product to rain or moisture.
- Make sure the voltage of the power source used for the product is within the range stated on the label or on rear panel of the product.
- Never connect the product to a dimmer or a rheostat.
- Always install the product in a location with adequate ventilation, and leave at least 20 in (50 cm) between the product and adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Do not operate the product in an ambient temperature higher than 104 °F (40 °C)
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by untrained people can lead to damage or malfunction.
- If repairs are required, contact the nearest authorized technical assistance center. See [Contact Us](#) for contact information.



- Keep this User Manual for future reference. If the product is sold, be sure to give this manual to the next owner.

2. INTRODUCTION

- Features**
- Uses a built in D-Fi™ transmitter to control lights wirelessly.
 - Works with all Di-Fi™ compatible products.
 - Controls up to 4 lights individually with up to 4 channels per light.
 - Controls the lights in 4 different groups for a variety of looks.
 - Includes 12 chases with adjustable speeds and sound activation.
 - Includes 12 preset colors.
 - Includes manual color mixing.
 - Includes auto color changes and color fades with adjustable speeds and sound activation.
 - Includes master dimmer control and strobing.

Product Description

The Obey™ 4 D-Fi 2.4 (the board) is a compact, DMX controller with a built-in wireless D-Fi™ transmitter for controlling LED wash or spot lights on the fly without using cables. The board controls up to 4 lights individually with up to 4 channels per light. The preset color buttons create quick color changes and work in conjunction with the **<Fade Time>** and **<Master Dimmer>** faders. The Auto, Color Fade, and Chases modes create different transition effects that can be set to a specific speed with the **<Speed Time>** and **<Fade Time>** faders, or set to respond to sound with Sound mode. The Color Macro mode turns the **<Speed Time>** fader into a color selection tool. All modes can be strobed.

The Obey™ 4 D-Fi 2.4 is designed to work with the CHAUVET® Freedom™ Par lights, but can be used with any four-channel LED light. D-Fi™ compatible lights can be used wirelessly, while non-D-Fi™ compatible lights must be connected to the board or a D-Fi distribution product via a DMX cable. For more information see [Wireless D-Fi™ Concepts](#) below.

Wireless D-Fi™ Concepts

The Obey™ 4 D-Fi 2.4 uses a wireless frequency to send DMX signals to D-Fi™ compatible products, eliminating the need for long DMX cables. The Obey™ 4 D-Fi 2.4 must be within 300 feet of the other D-Fi™ lights and where there are no significant obstructions, such as concrete walls or large solid metal structures. In cases where the lights are more than 300 ft away, or they are not D-Fi™ compatible, a D-Fi™ distributor, such as the CHAUVET® D-Fi Hub or D-Fi™ Stream 6, can be connected to the lights via DMX cables. The D-Fi™ distributor receives the DMX signals wirelessly from the Obey™ 4 D-Fi 2.4 and sends them to the lights via DMX cables.

Programming Concepts

The Obey™ 4 D-Fi 2.4 uses DMX addressing and values to control lights. See [DMX Addressing of Lights](#) and [DMX Addressing Chart](#) for more information.



- **The Obey™ 4 D-Fi 2.4 works with any light that has 4 channels (or less) of DMX, and it assumes that the channel assignments are 1–4, R-G-B-A or W.**
- **The Obey™ 4 D-Fi 2.4 does not have program memory. All looks exist only during the current session. Looks cannot be saved or recalled.**

Lighting looks are created by combining different modes and colors across groups of, or individual, lights.

The different modes are:

- Preset mode with 12 preset colors on latch buttons. See [Preset Mode](#).
- Manual mode with 4 faders for color mixing. See [Manual Mode](#).
- Chases mode with 12 preset chases. See [Chases Mode](#).
- Color Fade and Auto modes, which are selected by pressing a single button and can be sound activated or configured with the speed and time faders. See [Color Fade Mode](#) or [Auto Mode](#).
- Color Macro mode, which makes the **<Speed Time>** fader roll through a series of colors. See [Color Macro Mode](#).



Even though multiple lights can be selected by pressing one button, this manual refers to each button as a single light.

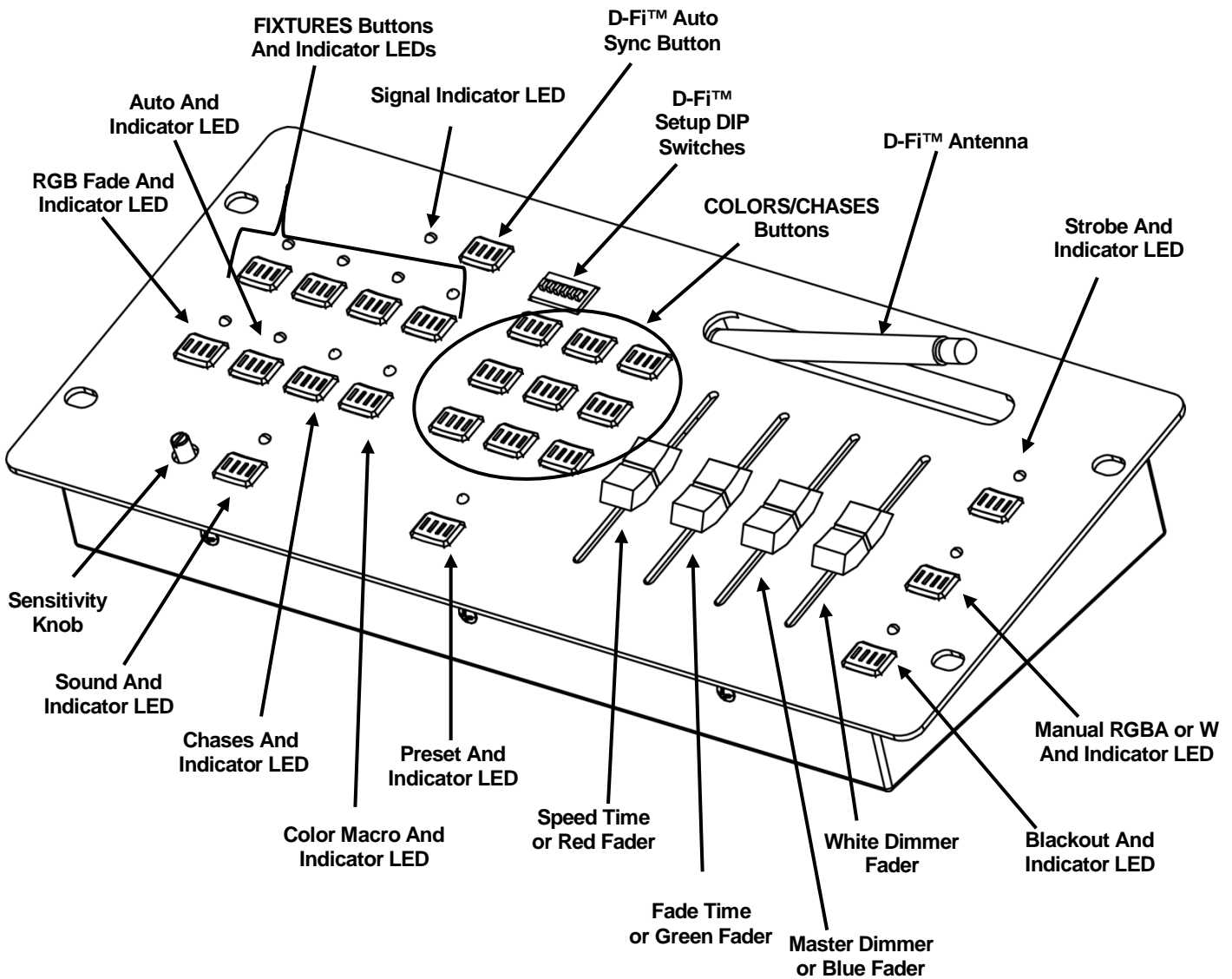
Front Panel Overview

The board is laid out in three areas. To the left are the light selection buttons across the top, with the mode buttons, and the sound controls underneath them. In the middle are the D-Fi™ button at the top, the preset color and chase buttons in the middle, and the Preset mode button underneath. To the right are the D-Fi™ antenna and the faders, with the Strobe, Manual mode, and Blackout button to the far right.

The diagram below shows the front panel and identifies each button and fader.

See [Back Panel View](#) for information about the back panel and its ports.

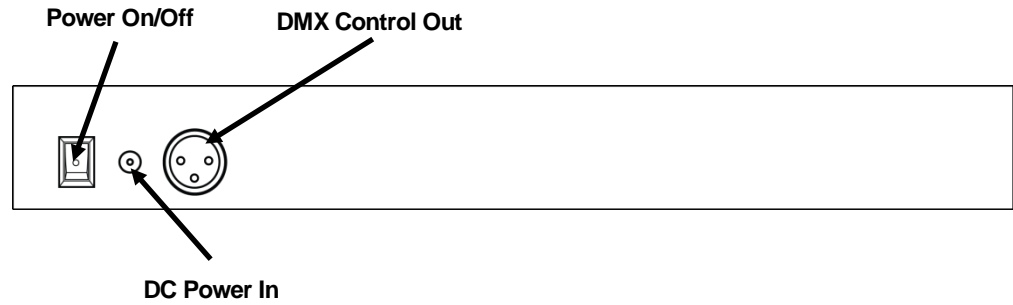
Front Panel View



Control Descriptions

Item	Description
<Auto Sync>	Combination button and indicator light that syncs the board with the D-Fi™ products and flashes to indicate D-Fi™ status.
D-Fi™ Setup DIP Switches	DIP switches that configure D-Fi™ on the Obey™ 4 D-Fi 2.4. See DIP Switches for more information.
<FIXTURES 1> <FIXTURES 4>	Buttons that select lights and the LEDs that indicate when lights are selected. These buttons are inclusive. Pressing one, then another, selects both lights. Pressing the button a second time deselects the light.
<RGB Fade>	Button that puts the selected lights into Color Fade mode and the LED that indicates when the selected lights are in RGB Fade mode.
<Auto>	Button that puts the selected lights into Auto Color mode and the LED that indicates when the selected lights are in Auto mode.
<Chases>	Button that puts the selected lights into Chase Mode and the LED that indicates when the selected lights are in Chase mode. This button is used in combination with the <COLORS/CHASES> buttons, each of which selects a specific chase.
<Color Macro>	Button that puts the selected lights into Color Macro mode and the LED that indicates when the selected lights are in Color Macro mode. This mode requires movement of the <Speed Time> fader in order to change colors.
<COLORS/CHASES>	Buttons that select a color in Preset mode or select a chase in Chase mode.
<Preset>	Button that puts the selected lights into Preset mode and the LED that indicates when the selected lights are in Preset mode. This button is used in combination with the <COLORS/CHASES> buttons, each of which selects a specific color.
Sensitivity Knob	Knob that controls the board's responsiveness to sound. Turning this button to the right increases sensitivity. Turning it to the left decreases sensitivity.
<Sound>	Button that puts the selected lights into Sound mode and the LED that indicates when the selected lights are in Sound mode. Sound mode works only with Color Fade, Auto, and Chase modes.
Antenna	Antenna for transmitting D-Fi™ signals. The antenna should be upright for best signal transmission, but should be folded into its storage slot when not in use.
<Speed Time> or <Red>	Fader that controls: <ul style="list-style-type: none"> · the speed of fades in Color Fade mode · the speed of chases in Chase mode · the speed of changes in Auto mode · the color in Color Macro mode · the amount of red in Manual mode
<FadeTime> or <Green>	Fader that controls: <ul style="list-style-type: none"> · the transition time between colors in Color Fade, Chase, Auto, Color Macro, and Preset modes · the fade up and fade down time of <Master Dimmer> in all modes except Manual mode · the amount of green in Manual mode
<Master Dimmer> or <Blue>	Fader that controls: <ul style="list-style-type: none"> · the brightness in Color Fade, Chase, Auto, Color Macro, and Preset modes · the amount of blue in Manual mode
<White Dimmer>	Fader that controls: <ul style="list-style-type: none"> · the addition of white in all modes
<Strobe>	Button that stops strobing in all modes other than Manual mode, and activates, pauses, and deactivates the strobe function when in Manual mode. The LED indicates when strobing is activated. This button is used in combination with <Speed Time>. See Strobe Function for more information.
<Manual RGBW>	Button that puts the selected lights into Manual mode and the LED that indicates when the selected lights are in Manual mode. This button is used in combination with the faders to mix a custom color.
<Blackout>	Button that stops all DMX output from the board with an LED to indicate when the Blackout is active.

Back Panel View



Back Panel Ports

Port/Item	Function
Power On/Off	Power on/off toggle switch
DC Power In	External PSU port that connects to the power source
DMX Control Out	3-pin DMX port – for connecting to the lights

3. SETUP

AC Power The Obey™ 4 D-Fi 2.4 has an auto-ranging external power supply, that can work with an input voltage range of 100 to 240 VAC, 50/60 Hz. It runs on 9 VDC, 500 mA.

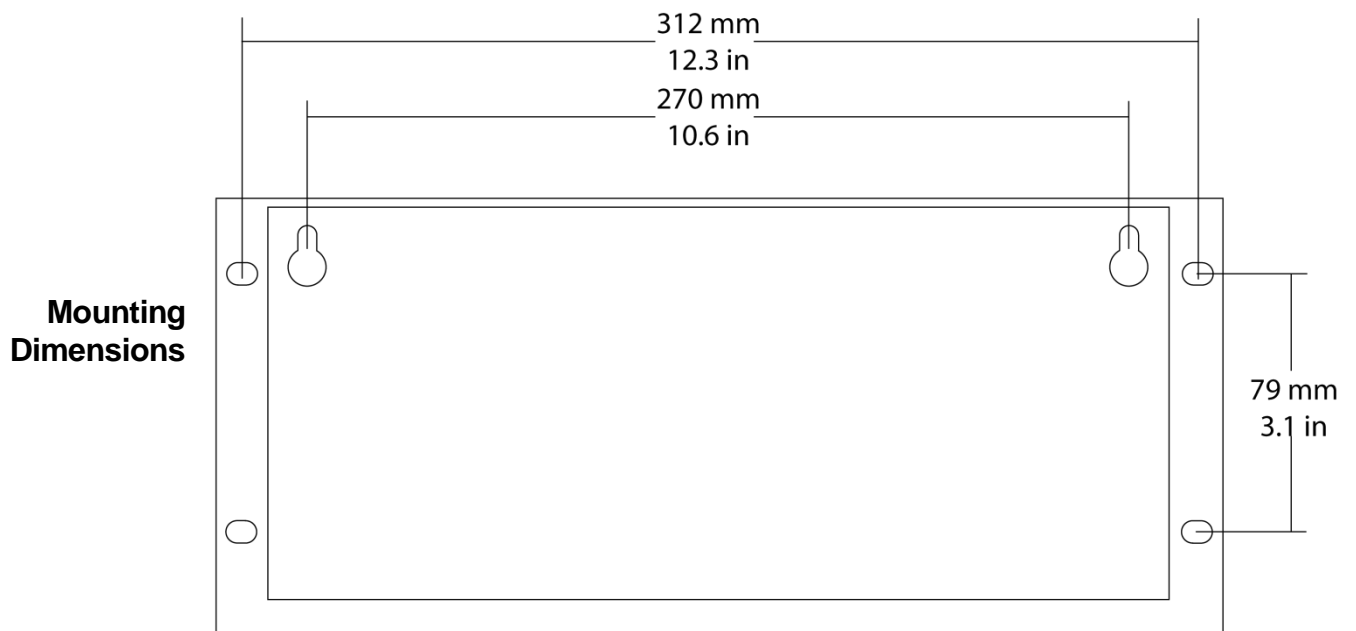
Before turning on the power, make sure the line voltage is within the range of accepted voltages as listed on the label affixed to the product or as described in [Technical Specifications](#).

The listed rating indicates the average current draw under normal conditions.



- **Always connect the board to a grounded circuit.**
- **Never connect the board to a rheostat or dimmer circuit.**

Mounting The Obey™ 4 D-Fi 2.4 has openings on either side for rack mounting into a 12" rack and openings in the back for mounting onto a vertical surface. It can also be placed horizontally on a flat surface.



Setting Up The Board The Obey™ 4 D-Fi 2.4 it must be configured for wireless D-Fi™ use, or connected to the products with DMX cables. The lights and other products must be configured for wireless D-Fi™ use, or connected with DMX cables. The lights must also be set to the correct DMX addresses.

The Obey™ 4 D-Fi 2.4 should be set up where the operator can see the lights they are operating.

The sections below described [D-Fi™ Configuration](#), [DMX Cabling](#), and [DMX Addressing](#).



CHAUVET® recommends resetting the Obey™ 4 D-Fi 2.4 prior to initial use. For more information see [Resetting The Board](#).

D-Fi™ Configuration

The D-Fi™ is configured with the DIP switches on the front panel above the COLORS/CHASES buttons and next to the Auto Sync button. The D-Fi™ channel can be selected manually or automatically. The Obey™ 4 D-Fi 2.4 can transmit D-Fi™.



Almost every use of the Obey™ 4 D-Fi 2.4 requires it to transmit D-Fi™.

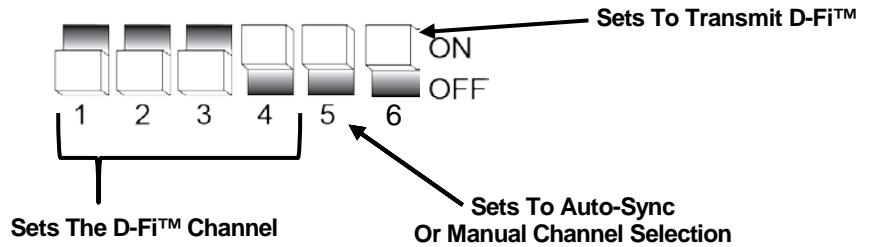
Transmitting D-Fi™ requires the following:

- The Obey™ 4 D-Fi 2.4 is configured to transmit.
- The lights are D-Fi™ compatible and configured to receive.
- The Obey™ 4 D-Fi 2.4 and the lights are all configured either to Auto-Sync, or set to the same channel with Manual Channel Selection.
- The Obey™ 4 D-Fi 2.4 is within 300 ft of the D-Fi™ lights.
- There are no large solid objects, such as walls, large pieces of concrete, or solid metal structures between the Obey™ 4 D-Fi 2.4 and the lights receiving D-Fi™.



Manual Channel Selection mode is recommended, but either mode works.

DIP Switches The 6 DIP switches that configure D-Fi™ on the Obey™ 4 D-Fi 2.4 are shown below:



- DIP switches 1 thru 4 set the D-Fi™ channel, but DIP switch 5 must be in the ON position for DIP switches 1 thru 4 to have any effect.
- DIP switch 5 toggles between the D-Fi™ Channel Selection modes: Auto-Sync (OFF) and Manual (ON).
- DIP switch 6 toggles between Transmit D-Fi™ (ON) and No D-Fi™ Transmission (OFF).

For a list of DIP switch combinations, see [DIP Switch Table](#) in this manual or the DIP switch table affixed to the bottom of the Obey™ 4 D-Fi 2.4.

DIP Switch Table

	D-Fi™ Channel	Auto-Sync Or Manual	Transmit		D-Fi™ Channel	Auto-Sync Or Manual	Transmit
Channel 1				Channel 11			
Channel 2				Channel 12			
Channel 3				Channel 13			
Channel 4				Channel 14			
Channel 5				Channel 15			
Channel 6				Channel 16			
Channel 7				Auto-Sync mode			
Channel 8				Transmit mode			
Channel 9				No function			
Channel 10							

Manual Channel Selection

Manual Channel Selection is recommended. It tells the Obey™ 4 D-Fi 2.4 which channel to use for D-Fi™ transmission. To use Manual Channel Selection for configuring D-Fi™, do the following:

1. Turn on all the other D-Fi™ products and set them all to the same channel. For information on this, see each product's User Manuals.
2. Turn off the Obey™ 4 D-Fi 2.4.
3. Set the board to the same channel as the products by setting the DIP switches. For more information, see [DIP Switch Table](#).
4. Make sure DIP switch 6 is in the ON position.
5. Turn on the Obey™ 4 D-Fi 2.4. The Signal LED shows a fast blink.

Auto-Sync Channel Selection

Auto-Sync Channel Selection triggers a negotiation between the Obey™ 4 D-Fi 2.4 and all the other D-Fi™ products to settle on a channel for D-Fi™ transmission. To use Auto-Sync for configuring D-Fi™, do the following:

1. Turn on all the other D-Fi™ products and set them to Auto-Sync. For information on this, see each product's User Manuals.
2. Turn off the Obey™ 4 D-Fi 2.4.
3. Set the board to Auto-Sync by setting DIP switch 5 to the OFF position.
4. Make sure DIP switch 6 is in the ON position.
5. Turn on the Obey™ 4 D-Fi 2.4. The Signal LED shows a solid light.
6. Press **<Auto>** and hold it down for at least 15 seconds. The Signal LED will begin a fast flash when the board is communicating with the other products.
7. Continue holding **<Auto>** until all the other D-Fi™ products indicate that they are receiving. For information on this, see each product's User Manuals.



CHAUVET® D-Fi™ products User Manuals can be found on the web site at <http://www.chauvetlighting.com/product-manuals-literature/>.



The Obey™ 4 D-Fi 2.4 must be within 300 ft of the products receiving D-Fi™ and there must be no significant obstructions between the Obey™ 4 D-Fi 2.4 and the other products.



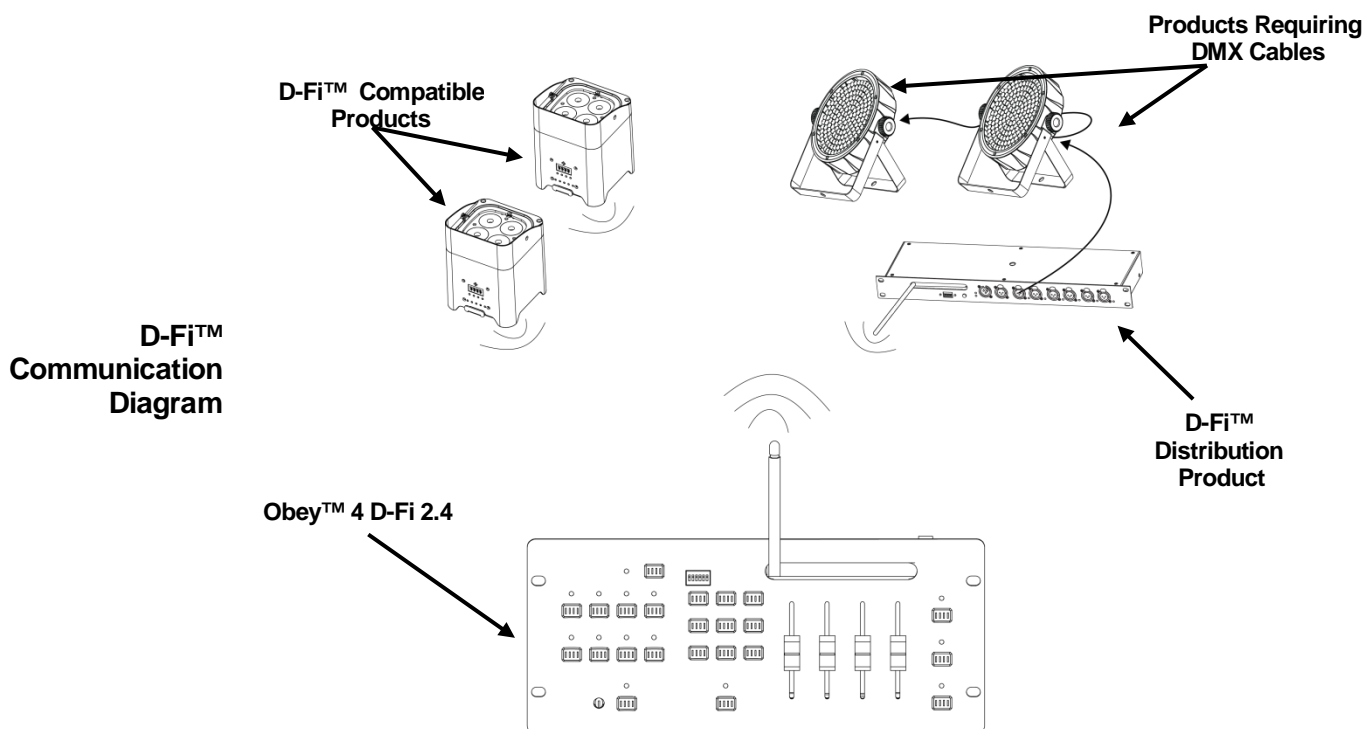
- Set all the lights before setting the Obey™ 4 D-Fi 2.4.
- Make sure the Obey™ 4 D-Fi 2.4 is off before changing the DIP switch settings.

D-Fi™ Signal Indicator The D-Fi™ signal indicator provides information about the D-Fi™ status of the Obey™ 4 D-Fi 2.4. The table below presents the various states of the indicator and what each state means.

Indicator LED	Mode	Meaning
Solid Light	Auto-Syncing	No connection yet. Waiting for Auto-Sync to finish
Fast Blink	Transmit	Transmitting or ready to transmit.
	Auto-Syncing	Connection established. Auto-Sync is finished.

D-Fi™ Communication D-Fi™ communication can be used alone, or in combination with DMX cabling. Products that are D-Fi™ compatible receive D-Fi™ signal directly from the Obey™ 4 D-Fi 2.4, and products that require DMX cabling can be connected to D-Fi™ distribution products, such as D-Fi™ Hub and D-Fi™ Stream 6 which receive the D-Fi™ signal and send it out via DMX cables.

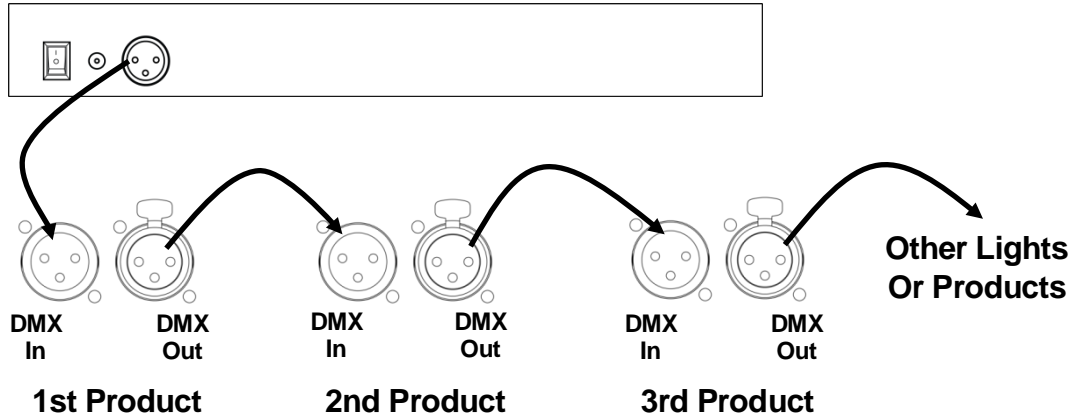
Products that require DMX cables can also be connected directly to the Obey™ 4 D-Fi 2.4 as shown above in [DMX Cabling Diagram](#).



DMX Cabling DMX cabling is required to send DMX signals from the board to the lights. To DMX cable the lights, do the following:

1. Connect a DMX cable from DMX Out of the board to DMX In of the first product in the rig.
2. Connect another DMX cable from DMX Out of the first product in the rig to DMX In of the next product.
3. Continue repeating steps 1 and 2 until all the products are connected.

DMX Cabling Diagram



DMX Addressing Of Lights

The Obey™ 4 D-Fi 2.4 uses specific DMX addresses, so the lights must be set to the correct DMX starting address for the board to control them.

The Obey™ 4 D-Fi 2.4 is designed to control 4-channel LED lights that have the following DMX channel assignments.

- Channel 1 – Red
- Channel 2 – Green
- Channel 3 – Blue
- Channel 4 – White/Amber

Lights with different DMX channel assignments will work with the Obey™ 4 D-Fi 2.4, but the fader color labels might not match, and the preset colors and color change modes will look slightly different. For example:

- If a light has a DMX channel assignment of 4 – Red, the white fader will bring up the red color of the light.
- If a light has only red, green, and blue, the preset colors and color change modes will show the effects of mixing only red, green, and blue.

More than one light can be set to the same DMX starting address, but those lights should be the same type of light. See the light's User Manual for information on how to address it to one of the DMX starting addresses listed in the [DMX Addressing Chart](#).

DMX Addressing Chart

The following chart shows the Obey™ 6 DMX starting addresses and ranges, and the corresponding fixture buttons.

Starting Address	Range	Fixture Button
1	1–4	<FIXTURES 1>
5	5–8	<FIXTURES 2>
9	9–12	<FIXTURES 3>
13	13–16	<FIXTURES 4>

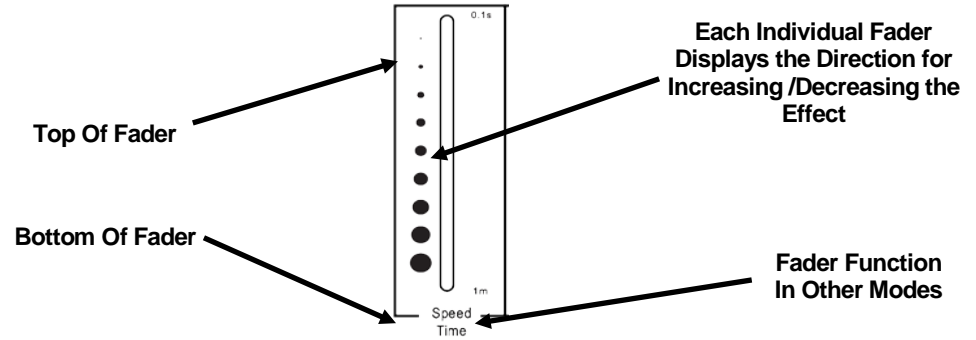
After the products are addressed, the board controls them with the <FIXTURES> buttons.

For example:

- Lights addressed at **1** are selected with <FIXTURES 1>.
- Lights addressed at **13** are selected with <FIXTURES 4>.

Faders The Obey™ 4 D-Fi 2.4 has 4 faders, one for each color in Manual mode and other functions in other modes

The color controlled by the faders in Manual mode is listed in the [Controls Description](#) table, and the function the fader controls in other modes is listed at the bottom of the fader.



4. OPERATION

Selecting Lights

Lights are selected by pressing one or more **<FIXTURES>** buttons. Pressing **<FIXTURES 1>** selects any and all lights in the DMX chain that are addressed at 1. Pressing **<FIXTURES 1>** and **<FIXTURES 2>** selects any and all lights in the DMX chain that are addressed at 1 or 5. See [DMX Addressing of Lights](#) and [DMX Addressing Chart](#) for more information.



Even though multiple lights can be selected by pressing one button, this manual refers to each button as a single light.

The **<FIXTURES>** buttons are inclusive, so that more than one light can be selected at a time. Pressing one button and then another will select both lights. To unselect a light press the light's button a second time and the LED will turn off.

To select two lights, do the following:

1. Press a **<FIXTURES>** button. Its LED turns on.
2. Press a different **<FIXTURES>** button. Its LED turns on.

Both lights are selected.

To select one light and then select another, do the following:

1. Press a **<FIXTURES>** button. Its LED turns on.
2. Press another **<FIXTURES>** button. Its LED turns on.
3. Press the **<FIXTURES>** button from step 1 again. Its LED turns off.

Only the light from step 2 is selected.



If the LED is on, the light is selected.

Color Fade Mode

Color Fade mode rotates through colors in the following order: Red, Green, Blue, and White. **<Speed Time>** and **<Fade Time>** adjust the timing of the color fade. **<Master Dimmer>** adjusts the intensity of the color fade, and **<Strobe>** strobes the color fade.

To go into Color Fade mode, do the following:

1. Select lights by pressing **<FIXTURES>** buttons. The LEDs of the selected lights turn on.
2. Press **<Color Fade>**. The Color Fade LED turns on.
3. Use **<Master Dimmer>** to set the brightness level.
4. Use **<Speed Time>** and **<Fade Time>** to set the speed of the fade and the speed of the changes between colors.
5. Use **<Strobe>** to strobe the color fade. See [Strobe Function](#) for more information.

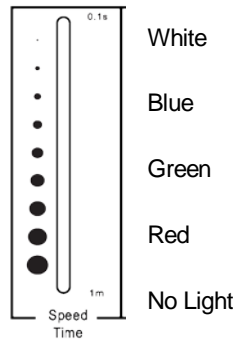
To exit Color Fade mode, press any other mode button.



- **If the lights are behaving oddly, check that **<Speed Time>** and **<Fade Time>** are half way up. Check that **<Master Dimmer>** is all the way up.**
- **See [Tips and Tricks](#) for more information.**

Color Macro Mode

Color Macro mode turns the **<Speed Time>** fader into a fader that changes colors as it moves from bottom to top. See the diagram below.



To go into Color Macro mode, do the following:

1. Select lights by pressing **<FIXTURES>** buttons. The LEDs of the selected lights turn on.
2. Press **<Color Macro>**. The Color Macro LED turns on.
3. Use **<Master Dimmer>** to set the brightness.
4. Use **<Speed Time>** to move through the colors.
5. Use **<Strobe Speed>** to strobe the color macro. See [Strobe Function](#) for more information.

To exit Color Macro mode, press any other mode button.



- **If the lights are behaving oddly, check that **<Speed Time>** and **<Fade Time>** are half way up. And check that **<Master Dimmer>** is all the way up.**
- See [Tips and Tricks](#) for more information.

Auto Mode

This mode creates color changes across different fixture buttons. For example, lights selected by **<FIXTURE 1>** will show different colors than lights selected by **<FIXTURE 2>**. The speed, fade time, and intensity of the color changes can be adjusted. In Auto mode the lights show different colors at different times, creating a random colorful effect.

To go into Auto mode, do the following:

1. Select lights by pressing **<FIXTURES>** buttons. The LEDs of the selected lights turn on.
2. Press **<Auto>**. The Auto LED turns on.
3. Use **<Master Dimmer>** to set the brightness.
4. Use **<Speed Time>** to set the speed of the color changes.
5. Use **<Fade Time>** to set the length of the fade from one color to another.
6. Use **<Strobe>** to strobe the Auto mode. See [Strobe Function](#) for more information.

To exit Auto mode, press any other mode button.



- **If the lights are behaving oddly, check that **<Speed Time>** and **<Fade Time>** are half way up. And check that **<Master Dimmer>** is all the way up.**
- See [Tips and Tricks](#) for more information.

Chase Mode

Chase mode uses the **<COLORS/CHASES>** buttons to select specific color change sequences. The speed, fade time, and intensity of each chase can be adjusted. See [Chase Map](#) for specific information about the color change sequences in each chase.

To go into Chase mode, do the following:

1. Select lights by pressing **<FIXTURES>** buttons. The LEDs of the selected lights turn on.
2. Press **<Chases>**. The Chases LED turns on.
3. Press a **<COLORS/CHASES>** button.
4. Use **<Master Dimmer>** to set the brightness.
5. Use **<Speed Time>** to set the speed of the chase.
6. Use **<Fade Time>** to set the length of the fade from one color to another in the chase.
7. Use **<Strobe>** to strobe the chase. See [Strobe Function](#) for more information.

To exit Chase mode, press any other mode button.



- **If the lights are behaving oddly, check that **<Speed Time>** and **<Fade Time>** are half way up. And check that **<Master Dimmer>** is all the way up.**

- See [Tips and Tricks](#) for more information.

Preset Mode Preset mode uses the <COLORS/CHASES> buttons to select a specific color, as labeled on the board.

To use Preset mode, do the following:

1. Select lights by pressing <FIXTURES> buttons. The LEDs of the selected lights turn on.
2. Press <Preset>. The Preset LED turns on.
3. Press a <COLOR/CHASES> button.
4. Use <Master Dimmer> to set the brightness.
5. Use <Fade Time> to set the timing of the Master Dimmer function.
6. Use <Strobe > to strobe the color. See [Strobe Function](#) for more information.

To exit Preset mode, press any other mode button.



- **If the lights are behaving oddly, check that <Fade Time> is half way up. Also, check that <Master Dimmer> is all the way up.**
- See [Tips and Tricks](#) for more information.

Manual Mode Manual mode turns the faders into individual color mixers.

In Manual mode, intensity is controlled by the color mixing. For lower intensities, position the faders towards the bottom. For higher intensities, position the faders towards the top.

To use Manual mode, do the following:

1. Select lights by pressing the **<FIXTURES>** buttons. The LEDs of the selected lights will turn on.
2. Press **<Manual RGBW>**. The Manual RGBW LED turns on
3. Use the faders to mix a color.

To exit Manual mode, press any other mode button.

Strobe Function In Manual Mode Activating the strobe function in Manual mode suspends color mixing. Once the Strobe function is activated, strobing can be adjusted with the **<Speed Time>** fader. Then, the Strobe function can be exited, while the strobing continues, so that all the faders can return to controlling colors.

Strobing can also be stopped and restarted without changing colors.

To activate the Strobe function in Manual mode, exit it to change colors, and then return to it, do the following:

1. Set a color with the faders.
2. Press **<Strobe>** once. The Strobe LED turns on.
3. Use **<Speed Time>** to set the strobe speed. The Strobe LED flashes.
4. Press **<Strobe>** once. Nothing changes. The strobing continues.
5. Set another color with the faders or press a Quick Color button. The color changes while the lights strobe.
6. Press **<Strobe>** once. Nothing changes. The strobing in the new color continues.
7. Use **<Speed Time>** to change the strobe speed.

To stop the strobing and restart it, do the following:

1. Go into Manual mode with the strobe active
2. Press **<Strobe>** twice. The Strobe LED stops flashing and the strobing stops.
3. Move **<Speed Time>**. The Strobe LED starts flashing and the strobing starts.

Strobing can be deactivated in two different ways:

Either:

1. Bring **<Speed Time>** all the way down.
2. Press **<Strobe>**. The Strobe LED turns off.

Or:

1. Press **<Strobe>** twice. The Strobe LED stops flashing.
2. Press **<Strobe>**. The Strobe LED turns off.

To exit Manual mode, press any other mode button.

Strobe Function

Strobing is available in all modes by moving the **<Speed Time>** fader, except Manual mode. In Manual mode the **<Speed Time>** fader controls the red color, and must be reassigned to control strobing. See [Strobe Function In Manual Mode](#) for instructions on strobing in Manual mode

In all other modes the strobing is started, and the strobe speed is set, by moving the **<Speed Time>** fader. The Strobe LED flashes to indicate that the strobe function is active.

Strobing is stopped by pressing the **<Strobe>** button twice or bringing the **<Speed Time>** fader all the way down. Strobing is restarted by moving the **<Speed Time>** fader again.

To start strobing, stop it, and start it again, (in any mode except Manual mode) do the following:

1. Go into Color Fade, Color Macro, Auto, Chase, or Preset mode.
2. Move **<Speed Time>**. The Strobe LED turns on and strobing starts.
3. Press **<Strobe>** twice or bring **<Speed Time>** all the way down. The Strobe LED turns off and the strobing stops.
4. Move **<Speed Time>**. The Strobe LED turns on and strobing starts.

To stop strobing, do the following:

Either:

- Move **<Speed Time>** all the way down.

Or:

1. Press **<Strobe>** twice.
2. Move **<Speed Time>** all the way down.

Sound Mode

Sound mode makes Color Fade, Auto, and Chase modes respond to sound. Sound mode overrides the **<Speed Time>** fader, but not the **<Fade Time>** fader.

Sound mode remains on when switching the selected lights—currently responding to sound—between Color Fade, Auto, and Chase modes. Sound mode turns off when switching those lights into Color Macro, Preset, or Manual mode and it will not be on when the lights are returned to the Color Fade, Auto, or Chase modes.

Sound mode does remain on when the light currently responding to sound is deselected and different lights are selected and put into Color Macro, Preset, or Manual mode. So certain lights can remain responding to sound, while others are put into a different mode.

To activate the Sound mode, do the following:

1. Go into Color Fade, Color Macro, Auto, Chase, or Preset mode.
2. Press **<Sound>**. The Sound LED turns on and the lights respond to sound.

To deactivate the Sound mode, do the following:

1. Press **<Sound>**. The Sound LED turns off and the lights stop responding to sound.

Sound Sensitivity Knob

The sound sensitivity knob sets how loud the music must be for the board to respond.

To increase sensitivity turn the knob clockwise. To decrease sensitivity, turn the knob counter-clockwise

Blackout Blackout stops all signals from the board to the lights. It is useful for quickly, and temporarily, stopping all lighting. Blackout does not affect the settings in the board. When blackout is cancelled the lights begin again.

Blackout is activated at any time by pressing **<Blackout>**. The Blackout LED turns on when blackout is active.

Blackout is cancelled by pressing **<Blackout>** again. The Blackout LED is off when blackout is not active.

Tips and Tricks The tips and tricks listed below are a good resource for when the board or lights are not behaving as expected.

Tips The state of the faders affects the transitions from mode to mode.

- If the **<Speed Time>** and **<Fade Time>** faders are all the way down, the lights will respond very slowly to the **<Master Dimmer>**. They will move very slowly through chases and fades. And, in Auto mode, the lights can seem as though they are not responding at all. Try moving the **<Speed Time>** and **<Fade Time>** faders up to halfway.
- If **<Speed Time>** and **<Fade Time>** are all the way up, the lights will respond very quickly to the **<Master Dimmer>**. They will move very quickly through chases and fades. And, in Auto mode, the lights can seem as though they are not responding at all. Try moving the **<Speed Time>** and **<Fade Time>** faders down to halfway.
- Sometimes, when switching from Manual mode into another mode, the **<Master Dimmer>** needs to be reset by bringing it up and then back down again.
- When the board is first turned on it defaults to full intensity, so the first time a mode is activated the selected lights will come on at full. Move the **<Master Dimmer>** fader up and down again to gain control of the lights.
- Sound mode does not affect the **<Fade Time>** settings, so if the music is fast, but the **<Fade Time>** setting is slow, the lights will not change colors quickly.

The Strobe function works the same in all modes, except Manual mode. In Manual mode the Strobe function can be exited and entered as often as necessary, so the colors can be changed while the lights are strobing. See [Strobe Function In Manual Mode](#) for more information.

Each mode holds its configuration, so, for example, if a light is set to:

- Red in Preset mode, and
- Purple chase in Chases mode, and
- Green in Manual mode,

the light can be switched between modes and it will be:

- Red colored in Preset mode
- Going through a purple chase in Chases mode, and
- Green in Manual mode.



- **Strobing remains active across all modes.**
- **Sound mode remains active only when switching selected lights between modes that use sound—Auto, Color Fade, and Chases. See [Sound Mode](#).**

Tricks If the Strobe LED does not go off when the board is in Manual mode, try the following:

If the Strobe LED is flashing

1. Press **<Strobe>** twice or bring **<Speed Time>** all the way down. The LED will stop flashing and remain on.
2. Press **<Strobe>** once. The Strobe LED will turn off.

If the Strobe LED is on continuously

1. Press it once and the LED will turn off.

If the lights seem unresponsive when going into Color Fade, Auto, or Chase mode, try the following:

1. Move **<Speed Time>** and **<Fade Time>** to halfway up.
2. Move **<Master Dimmer>** up and down, and up again to full.

If more than one light is selected, and one of them does not respond to the **<Master Dimmer>** fader, do the following:

1. Select only the non-responsive light.
2. Put it in Manual mode
3. If the Strobe LED is on, press **<Strobe>** to turn the Strobe LED off.

If the lights seem unresponsive in Manual mode, move each fader up and down once.

If the lights go dark when switching between modes, check the **<Fade Time>** fader and bring it up all the way.

5. TECHNICAL INFORMATION

Maintenance To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

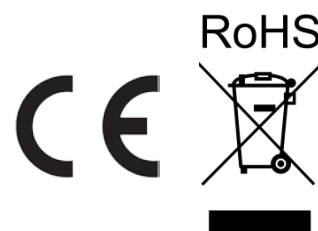
1. Unplug product from power.
2. Wait for the product to reach room temperature.
3. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents.
4. Clean all lenses with a mild solution of glass cleaner or isopropyl alcohol and a soft lint-free cotton cloth or lens tissue.
5. Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens.
6. Gently polish optical surfaces until they are free of haze and lint.



Always dry the parts carefully after cleaning them.

Technical Specifications

Dimensions and Weight	Length	Width	Height	Weight
	12.8 in (325 mm)	5.5 in (140 mm)	2.1 in (52 mm)	3 lb (1.4 kg)
Note: Dimensions in inches rounded to the nearest decimal digit.				
Power	Input Voltage	Range	Voltage Selection	
	External Power Supply	100 to 240 VAC, 50/60 Hz	Auto-ranging	
Thermal	Maximum External Temp.	Cooling System		
	104 °F (40 °C)	Convection		
Control	Connectors	Connector Type	DMX Channels	
	3-pin XLR pin 1 – ground pin 2 – (-) pin 3 – (+)	Sockets	16	
D-Fi™	Max Unobstructed Dist.	Operating Frequency	RF Output	Antenna Connection
	656 ft (200 m)	2.433 to 2.48 Ghz	18.5 dBm	RP-SMA
Ordering	Product Name	Item Code	UPC Code	
	Obey™ 4 D-Fi 2.4	09080460	781462208127	
Warranty	2-year limited warranty			



RETURNS

To return a product or request support:

- In the U.S., contact CHAUVET® World Headquarters (see below).
- In the UK or Ireland, contact CHAUVET® Europe Ltd. (see below).
- In Mexico, contact CHAUVET® Mexico (see below).
- In any other country, DO NOT contact CHAUVET®. Contact your distributor. See www.chauvetlighting.com for distributors outside the U.S., United Kingdom, or Ireland.



If you live outside the U.S., United Kingdom, Ireland, or Mexico, contact your distributor of record and follow their instructions on how to return CHAUVET® products to them. Visit our website for contact details.

Call the corresponding CHAUVET® Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

You must send the merchandise prepaid, in its original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Clearly label the package with the RMA number. CHAUVET® will refuse any product returned without an RMA number.



Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.



CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

CONTACT Us

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Outside the U.S., United Kingdom, Ireland, or Mexico, contact your dealer. Follow their instructions to request support or to return a product. Visit our website for contact details.