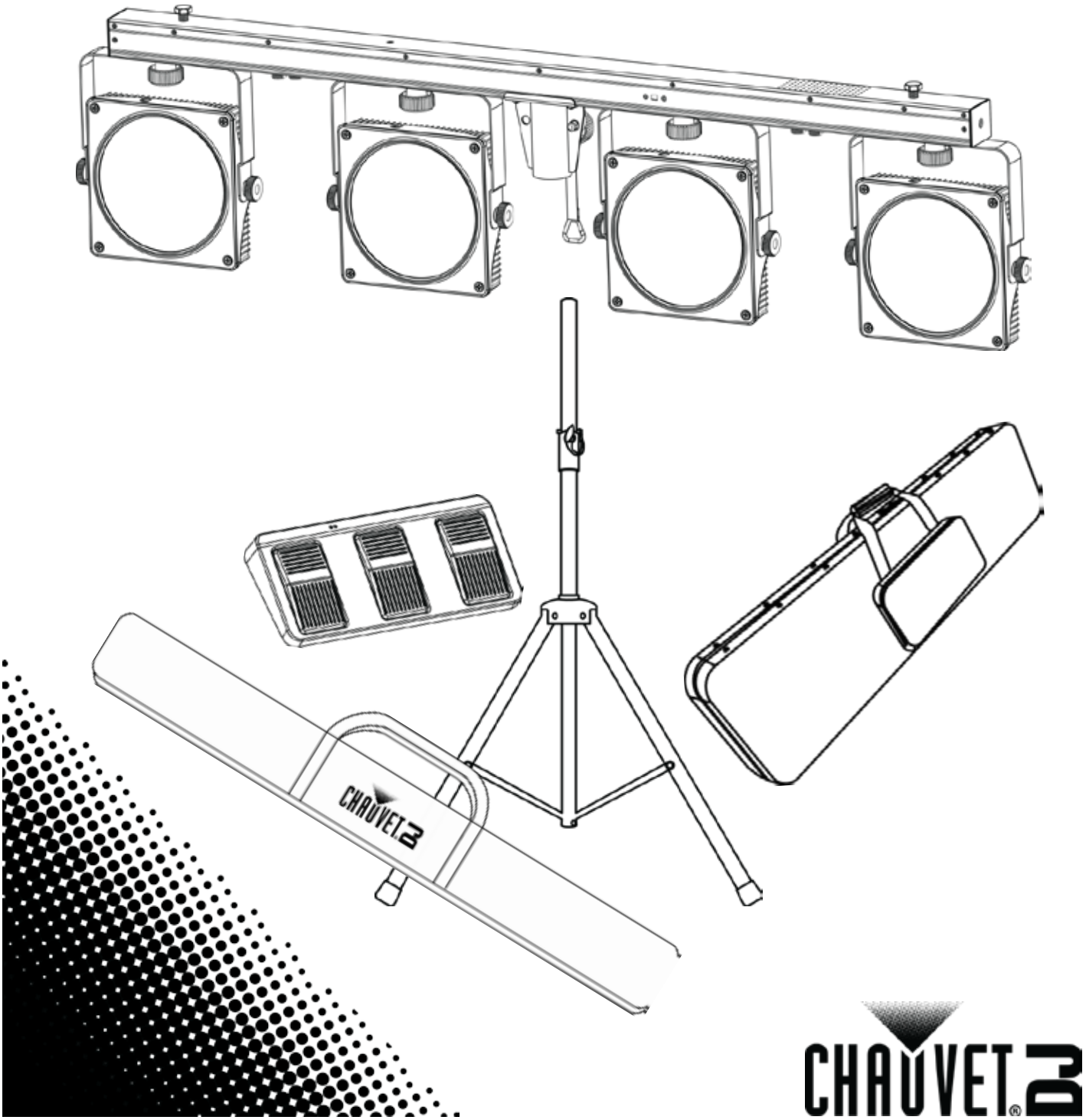
# 4BAR USB

## User Manual




CHAUVET DJ

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# 1. BEFORE YOU BEGIN

## What Is Included

- 4BAR USB
- Power Cord
- Carrying Case
- Tripod
- Wireless Footswitch
- Warranty Card
- Quick Reference Guide
- Tripod Carrying Case

## Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

## Claims

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate your claim. In addition, keep the box and contents for inspection.

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.

## Text Conventions

| Convention | Meaning |
|---|---|
| **1—512** | A range of values |
| **50/60** | A set of values of which only one can be chosen |
| **Settings** | A menu option not to be modified |
| **Menu > Settings** | A sequence of menu options to be followed |
| **<ENTER>** | A key to be pressed on the product's control panel |
| **ON** | A value to be entered or selected |

## Symbols

| Symbol | Meaning |
|---|---|
| | Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user. |
| | Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator. |
| | Important installation or configuration information. The product may not function correctly if this information is not used. |
| | Useful information. |

## Disclaimer

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## Product at a Glance

| | | | |
|---|---|---|---|
| Use on Dimmer | X | Auto Programs | P |
| Outdoor Use | X | Auto-ranging Power Supply | P |
| Sound-Active | P | Replaceable Fuse | P |
| DMX | P | User-Serviceable | X |
| Master/Slave | P | | |

## Safety Notes

Please read the following Safety Notes carefully before working with the product. The Notes include important safety information about installation, usage, and maintenance.

- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power cord by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.

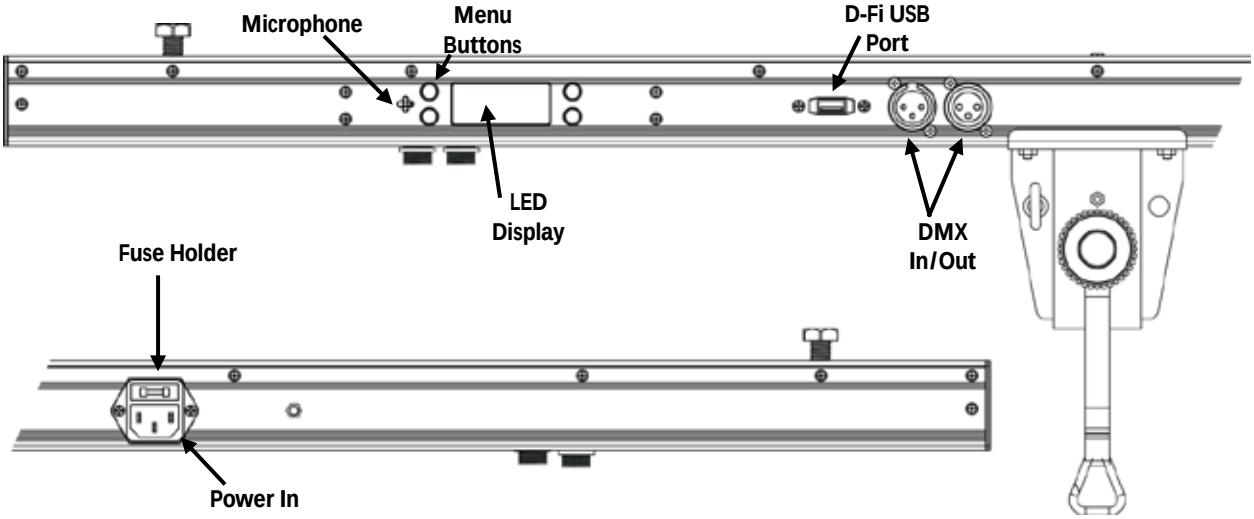
- The product is not intended for permanent installation.
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.

Keep this User Manual for future use. If you sell the product, be sure that they also receive this document.

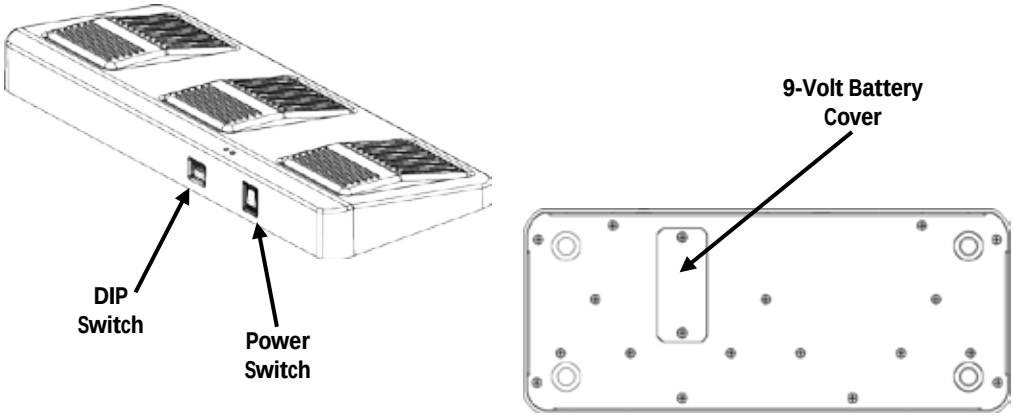
# 2. INTRODUCTION

## Product Overview

**4BAR USB - Back Panel View**

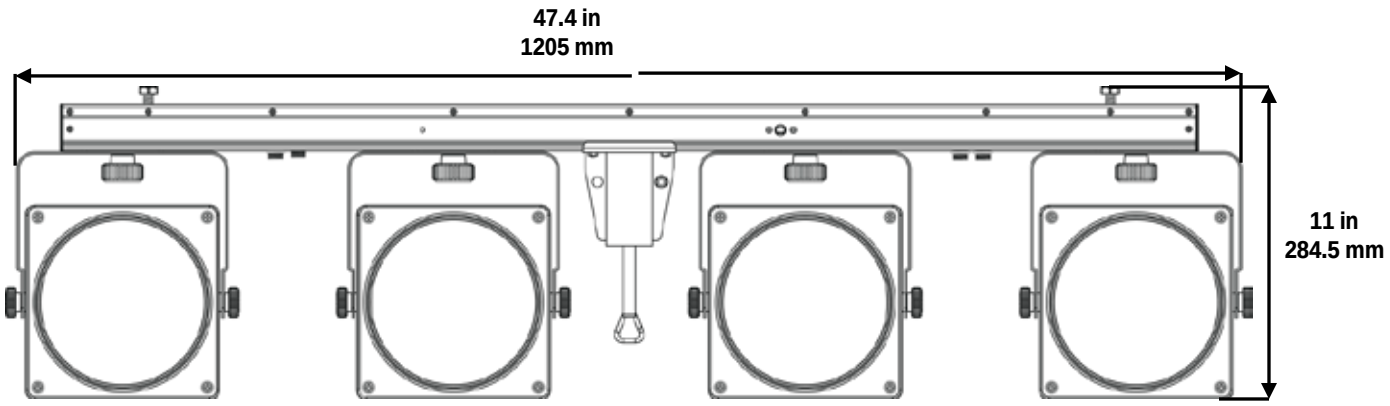



**Footswitch**

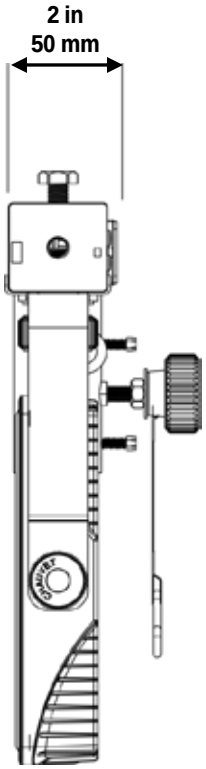



**WARNING! DO NOT plug anything other than a D-Fi USB into the USB port. Doing so may cause damage to the product.**

## Product Dimensions




**Front View**




**Side View**

# 3. SETUP

## AC Power

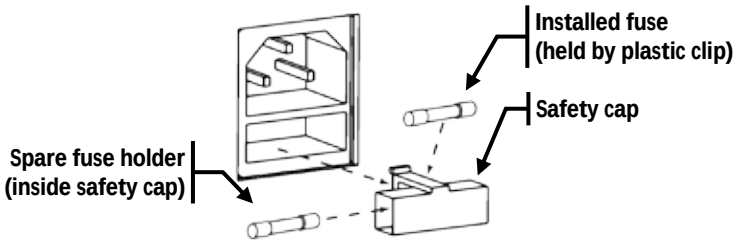
The 4BAR USB has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.

- **Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

**Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

## Fuse Replacement

1. Wedge the tip of a flat-head screwdriver into the slot of the fuse holder.
2. Pry the fuse holder out of the housing.
3. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
4. Insert the fuse holder back in place and reconnect power.




**Disconnect the product from the power outlet before replacing the fuse.**

## Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

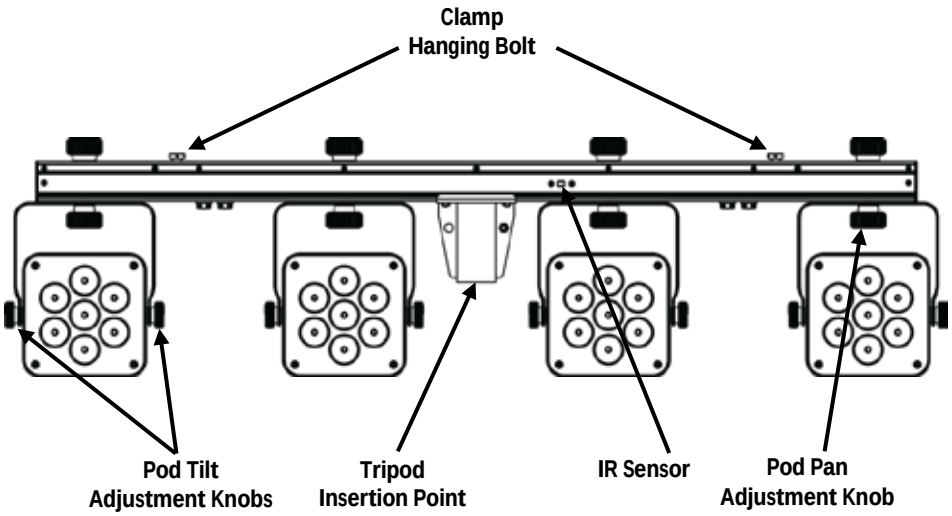
## Orientation

The 4BAR USB may be mounted in any position; however, make sure adequate ventilation is provided around the product.

## Rigging

- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure onto which you are mounting the product can support the product's weight. See the Technical Specifications for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power linking cables to reach.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

## Mounting Diagram



# 4. OPERATION

## Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the Product Overview to see the button locations on the control panel.

| Button | Function |
|---|---|
| **<MENU>** | Press to find an operation mode or to back out of the current menu option |
| **<UP>** | Press to scroll up the list of options or to find a higher value |
| **<DOWN>** | Press to scroll down the list of options or to find a lower value |
| **<ENTER>** | Press to activate a menu option or a selected value |

## Menu Map

| Mode | Programming Steps | | | Description |
|---|---|---|---|---|
| **DMX Mode** | **3-CH** / **15CH** | | **d 1–d512** | Sets the DMX starting address |
| **Preset Colors** | **C--** | | **C 1–C 7** | Selects one of the preset colors (red, green, blue. cyan, magenta, yellow, or white.) |
| **Auto Program** | **Auto** | | | Turns on Auto mode |
| **Speed** | **S--** | | **S 1–S100** | Adjusts the speed of the automatic program (fast to slow) |
| **Sound-Active** | **Snd** | | | The internal program runs to the beat of the music |
| **Sound Sensitivity** | **SenS** | | **u 1–u100** | Adjusts the sensitivity of the Sound mode (low to high) |
| **RGB Color Mixing** | **U--** | | **r 0–r100** / **g 0–g100** / **b 0–b100** | Adjust the red, green, and blue levels to create custom colors |
| **Infrared Mode** | **Ser** | | **ON** / **OFF** | Turns on Infrared mode for IRC-6 remote use |
| **Wireless Foot Controller** | **rF** | **OFF** | | Turns wireless foot control use on or off and sets channel |
| | | **ON** | **rF1–16** | |

## DMX Linking

The 4BAR USB works with a DMX controller when linked by DMX serial connections. Information about DMX is in the Chauvet's DMX Primer, which is available from the Chauvet website http://www.chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf.

## Configuration (DMX)

Set the product in DMX mode to control with a DMX controller.

1. Connect the product to a suitable power outlet.
2. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

## DMX Personality and Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

The 4BAR USB uses up to 15 DMX channels in a 15-CH DMX mode, which defines the highest configurable address to **498**.

If you are not familiar with the DMX protocol, download the DMX Primer from www.chauvetlighting.com.

To select the starting address, do the following:

1. Press **<MENU>** repeatedly until **3-CH** or **15CH** shows on the display.
2. Press **<ENTER>** and **d 1–d512** will show on the display.
3. Use **<UP>** or **<DOWN>** to select the starting address.
4. Press **<ENTER>**.

## D-Fi USB Connectivity

The 4BAR USB is able to become a D-Fi wireless receiver/transmitter with the use of the D-Fi USB from Chauvet DJ. Simply set the product's DMX Personality and DMX Address, set the DIP switch D-Fi receiving/transmitting channel, then plug it into the D-Fi USB port.

**WARNING! DO NOT plug anything other than a D-Fi USB into the USB port. Doing so may cause damage to the product.**

**Once plugged in, the D-Fi USB will take over the product. Wired DMX, manual display control/menu buttons and IRC-6 will be unavailable until you unplug the D-Fi USB. The priority levels are:**

**1. D-Fi USB**
**2. Wired DMX**
**3. IRC-6 Remote Control**
**4. Manual Digital Display/Menu Buttons**

## Configuration (D-Fi USB)

1. Set the DMX Personality and DMX address on your product.
2. Use the Chart provided to set **BOTH**:
   - the Channel, and then
   - the Receiving or Transmitting option.

### D-Fi USB DIP Switch Channels

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Channel 1 | | | | |
| Channel 2 | | | | |
| Channel 3 | | | | |
| Channel 4 | | | | |
| Channel 5 | | | | |
| Channel 6 | | | | |
| Channel 7 | | | | |
| Channel 8 | | | | |
| Channel 9 | | | | |
| Channel 10 | | | | |
| Channel 11 | | | | |
| Channel 12 | | | | |
| Channel 13 | | | | |
| Channel 14 | | | | |
| Channel 15 | | | | |
| Channel 16 | | | | |

# DMX Channel Assignments and Values

## 15CH

| Channel | Function | Value | Percent/Setting | |
|---|---|---|---|---|
| 1 | Control/Operating Mode | 000 ó 009 | RGB Color Mixing | |
| | | 010 ó 029 | Auto Program 1 | |
| | | 030 ó 049 | Auto Program 2 | |
| | | 050 ó 069 | Auto Program 3 | |
| | | 070 ó 089 | Auto Program 4 | |
| | | 090 ó 109 | Auto Program 5 | |
| | | 110 ó 129 | Auto Program 6 | |
| | | 130 ó 149 | Auto Program 7 | |
| | | 150 ó 169 | Auto Program 8 | |
| | | 170 ó 189 | Auto Program 9 | |
| | | 190 ó 209 | Auto Program 10 | |
| | | 210 ó 229 | Auto Program 11 | |
| | | 230 ó 249 | Auto Program 12 | |
| | | 250 ó 255 | Sound-Active mode | |
| 2 | Dimmer | 000 ó 255 | Dimmer 0–100% | |
| 3 | Strobe | 000 ó 009 | No function | |
| | | 010 ó 255 | Slow to fast | |
| | Auto Speed | 000 ó 255 | Auto speed (slow to fast) | |
| | Sound Sensitivity | 000 ó 010 | Sound Sensitivity OFF | |
| | | 011 ó 255 | Adjust Sensitivity | |
| 4 | Red | 000 ó 255 | 0–100% | RGB Color Mixing (Pod 1) |
| 5 | Green | 000 ó 255 | 0–100% | |
| 6 | Blue | 000 ó 255 | 0–100% | |
| 7 | Red | 000 ó 255 | 0–100% | RGB Color Mixing (Pod 2) |
| 8 | Green | 000 ó 255 | 0–100% | |
| 9 | Blue | 000 ó 255 | 0–100% | |
| 10 | Red | 000 ó 255 | 0–100% | RGB Color Mixing (Pod 3) |
| 11 | Green | 000 ó 255 | 0–100% | |
| 12 | Blue | 000 ó 255 | 0–100% | |
| 13 | Red | 000 ó 255 | 0–100% | RGB Color Mixing (Pod 4) |
| 14 | Green | 000 ó 255 | 0–100% | |
| 15 | Blue | 000 ó 255 | 0–100% | |

## 3-CH

| Channel | Function | Value | Percent/Setting |
|---|---|---|---|
| 1 | Red | 000 ó 255 | 0–100% |
| 2 | Green | 000 ó 255 | 0–100% |
| 3 | Blue | 000 ó 255 | 0–100% |

## Configuration (Standalone)

Set the product in one of the standalone modes to control without a DMX controller.

- Connect the product to a suitable power outlet.

**Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.**

### Preset Colors

To run the 4BAR USB in Preset Color mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **C--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **C 1**–**C 7**.
4. Press **<ENTER>**.

### Automatic Program

To run the 4BAR USB in Automatic mode, do the following:

1. Press **<MENU>** repeatedly until **Auto** shows on the display.
2. Press **<ENTER>**.

### Program Speed

To change the auto program speed, follow the instructions below:

1. Press **<MENU>** repeatedly until **S--** shows on the display.
2. Press **<ENTER>** and **S*xxx*** will show on the display:
3. Use **<UP>** or **<DOWN>** to increase or decrease the speed.
4. Press **<ENTER>**.

### Sound-Active Mode

To run the 4BAR USB in Sound-Active mode, do the following:

1. Press **<MENU>** repeatedly until **Snd** shows on the display.
2. Press **<ENTER>**.

### Sound Sensitivity

To change the sound sensitivity, follow the instructions below:

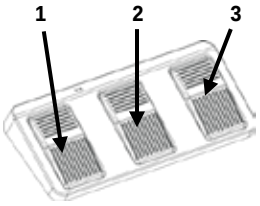
1. Press **<MENU>** repeatedly until **Sens** shows on the display.
2. Press **<ENTER>** and **u*xxx*** will show on the display:
3. Use **<UP>** or **<DOWN>** to increase or decrease the sensitivity.
4. Press **<ENTER>**.

### RGB Color Mixing

To custom mix a color, do the following:

1. Press **<MENU>** repeatedly until **U--** shows on the display.
2. Press **<ENTER>** and one of the following will show on the display:
   - **r*xxx*** (red)
   - **g*xxx*** (green)
   - **b*xxx*** (blue)
3. Press **<ENTER>** to cycle through the color settings.
4. When the desired color shows on the display, use **<UP>** or **<DOWN>** to increase or decrease the color value.
5. Repeat steps 3 and 4 until the product outputs as desired.

## Wireless Footswitch




The included wireless footswitch provides quick access to preset colors, color-change programs, and sound-activation through the 4BAR USB microphone.

To use the footswitch:

1. Connect the 4BAR USB to power. Turn the wireless footswitch on.
2. Press **<MENU>** on the 4BAR USB and navigate to **rF** mode and press **<ENTER>**. Choose a channel and press **<ENTER>**.
3. Press **<MENU>** on the 4BAR USB and navigate to **Auto** mode and press **<ENTER>**.
4. Set the DIP switch channel on the wireless footswitch to match the channel set on the 4BAR USB. (Use the DIP Switch Channels image for help)
5. Press pedal #1 (Colors) to activate Static Color controls. When working, all the lights will begin in a Static color and **FOOr** will appear on the Menu display.
6. Use the chart below to activate the desired function.

## Footswitch Operation

| Pedal | Action | Functions |
|---|---|---|
| **1 (Static Colors)** | **Tap Pedal to activate, *then Tap to navigate to desired function*** | White |
| | | Red |
| | | Green |
| | | Blue |
| | | Yellow |
| | | Magenta |
| | | Cyan |
| | | Auto Mode (snap) |
| | | Auto Mode (fade) |
| **2 (Sound/Strobe Mode)** | **Tap Pedal** | Enter Sound Mode |
| | **Hold Pedal Down** | Strobe Mode |
| | **Tap Pedal Again** | Turn off Strobe (Sound Mode only) |
| **3 (Blackout)** | **Tap Pedal** | Black out Fixtures |
| | **Hold Pedal Down** | Fade to Blackout |
| | **Tap Pedal Again/Hold Pedal Again** | Turn off Blackout/Fade from Blackout |

**The 4BAR USB footswitch will work properly in any mode, with a maximum unobstructed distance of 50 ft (15.24 m). You must turn on the rF on the 4BAR USB, set the rF channel, and navigate to Auto mode before using the footswitch.**

## Footswitch Battery

The wireless footswitch uses a 9-volt battery located under the battery cover on the bottom of the product, which can be replaced when necessary.

## Battery Replacement

To replace the battery in the wireless footswitch:

1. Turn the power switch to the Off position.
2. Remove the battery cover by removing 2 screws with a Phillips-head screwdriver.
3. Remove the old battery from the housing and unplug it from the leads.
4. Replace with a new 9-volt battery, ensuring that the positive (+) and negative (-) leads correspond to the correct electrodes on the battery.
5. Place the battery into the housing and cover with the battery cover.
6. Secure the battery cover with the 2 Phillips-head screws.

**Do NOT overtighten the screws!**

## IRC-6 Infrared Remote Control

The 4BAR USB is compatible with the IRC-6 infrared remote control from Chauvet. To activate IR mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **Ser** shows on the display.
2. Press **<ENTER>** to accept.
3. Press **<UP>** or **<DOWN>** to select **ON** or **OFF**.
4. Press **<ENTER>**.

## IRC-6 Operation

**Automatic Mode**

Automatic mode will enable you to run the automatic programs on the product.

To turn on Automatic mode (snap):

Press **<AUTO>** on the IRC-6.

To turn on Automatic mode (fade):

Press **<FADE>** on the IRC-6.

To adjust the speed of the automatic program:

1. Press **<SPEED>** on the IRC-6.
2. Press **<+>** or **<–>** to either increase or decrease the speed of the program.

**Sound-Active Mode**

Sound-Active mode will enable the product to respond to the music.

To turn on Sound-Active mode:

Press **<SOUND>** on the IRC-6.

To adjust sound sensitivity in Sound-Active mode:

1. Press **<SENSITIVITY>** on the IRC-6.
2. Press **<+>** or **<–>** to either increase or decrease sound sensitivity.

**Manual Color Control**

To choose a specific color with the IRC-6:

1. Press **<MANUAL>** on the IRC-6.
2. Press any number between **0**–**9** to choose your color.

To manually control the RGB percentage:

1. Press **<MANUAL>** on the IRC-6.
2. Press **<R>** (red), **<G>** (green), or **<B>** (blue) to choose your color.
3. Press **<+>** or **<–>** to increase or decrease the percentage of each color.

**Miscellaneous Operation**

To adjust the total output level:

1. Press **<%>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the output level.

To adjust the strobe rate of the program:

1. Press **<STROBE>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the strobe rate.
3. Press **<STROBE>** again to turn off the strobe.

To black out the lights:

1. Press **<BLACK OUT>** on the IRC-6.

This will turn off all the lights until the button is pressed again.

**NOTE**: The IRC will not respond to any inputs when Black Out is activated. If the remote does not respond when a button is pressed, try pressing **<BLACK OUT>**. You may have inadvertently activated Black Out.

## Master/Slave Mode (wired)

The Master/Slave mode allows a single 4BAR USB product (the master) to control the actions of one or more 4BAR USB products (the slaves) without the need of a DMX controller. The master product will be set to operate in either standalone mode or with the footswitch, while the slave products will be set to operate in Slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

**Slave products:**

1. Press **<MENU>** repeatedly until **3-CH** or **15CH** shows on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **d 1**.
4. Connect the DMX input of the first slave product to the DMX output of the master product.
5. Connect the DMX input of the subsequent slave products to the DMX output of the previous slave product.
6. Finish setting and connecting all the slave products.

**Master product:**

1. Set the master to operate in either Automatic or Sound-Active mode.
2. Make the master product the first product in the DMX daisy chain.

- **Configure all the slave products before connecting the master to the daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**
- **Do not connect more than 31 slaves to the master.**

## Master/Slave Mode (D-Fi USB)

The D-Fi USB allows a single 4BAR USB product (the master) to control the actions of one or more 4BAR USB products (the slaves) without the need of a DMX controller or DMX cables. The master (transmitter) product will be set to operate in either standalone mode or with the footswitch, while the slave (receiver) products will be set to operate in Slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

**Slave products:**

1. Press **<MENU>** repeatedly until **3-CH** or **15CH** shows on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **d 1**.
4. Set D-Fi USB to receive on a specific channel, 1–16.
5. Plug in the D-Fi USB.
6. Finish setting and configuring all the slave products.

**Master product:**

1. Press **<MENU>** repeatedly until the DMX personality the slaves are set to shows on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **d 1**.
4. Set the master to operate in either Automatic or Sound-Active mode.
5. Set the D-Fi USB to transmit on the D-Fi channel the slaves are receiving on.
6. Plug in the D-Fi USB.

- **All products must be set to the same DMX personality, DMX address, and D-Fi channel.**
- **Configure all the slave products before configuring the master to transmit.**
- **Never connect a DMX controller to a D-Fi channel configured for Master/Slave operation because the controller may interfere with the signals from the master.**

## Master/Slave Expansion Mode

The Master/Slave Expansion mode allows a single 4BAR USB product (the master) to control the actions of one or more Tri-color LED USB products (the slaves), such as a COREpar USB, SlimPAR USB, or Freedom Par, without the need of a DMX controller, with the use of the optional D-Fi USB (not included). The 4BAR USB will be set to operate in either standalone mode or with the footswitch, while the slave products will be set to operate in slave mode. Once set and connected, the slave products will operate as directed by the 4BAR USB.

## Expansion Mode (Wired)

For wired Expansion mode, configure the products as indicated below.

**Slave products:**

1. Set the slave products to 3-channel mode.
2. Set the DMX address of each slave product to correspond with the pod on the 4BAR USB it will be synchronized with, as follows:
   - For pod 1, set the address to 1
   - For pod 2, set the address to 7
   - For pod 3, set the address to 13
   - For pod 4, set the address to 19
3. Connect the DMX input of the first slave product to the DMX output of the 4BAR USB.
4. Connect the DMX input of the subsequent slave products to the DMX output of the previous slave product.
5. Finish setting and connecting all the slave products.

**4BAR USB:**

1. Set the 4BAR USB to operate in either standalone mode or with the footswitch (see Wireless Footswitch).
2. Make the 4BAR USB the first product in the DMX daisy chain.

- **Configure all the slave products before connecting the master to the daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**
- **Do not connect more than 31 slaves to the master.**

## Expansion Mode (D-Fi USB)

For D-Fi USB Expansion mode, configure the products as indicated below.

**Slave products:**

1. Set the slave products to 3-channel mode, **3-CH**.
2. Set the DMX address of each slave product to correspond with the pod on the 4BAR USB it will be synchronized with, as follows:
   - For pod 1, set the address to **1**
   - For pod 2, set the address to **7**
   - For pod 3, set the address to **13**
   - For pod 4, set the address to **19**
3. Set each D-Fi USB to receive on a specific channel, **1**–**16**.
4. Plug the D-Fi USB products into the slave products.
5. Finish setting and configuring all the slave products.

**4BAR USB:**

1. Set the 4BAR USB to operate in either standalone mode or with the footswitch (see Wireless Footswitch).
2. Set the D-Fi USB to transmit on the same D-Fi channel as the slaves (see Configuration (D-Fi USB)).
3. Plug in the D-Fi USB.

- **All products must be set to the same DMX personality and D-Fi channel.**
- **Configure all the slave products to receive before configuring the master to transmit.**
- **Never connect a DMX controller to a D-Fi channel configured for Master/Slave operation because the controller may interfere with the signals from the master.**

# 5. MAINTENANCE

## Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean your lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.

**Always dry the transparent surfaces carefully after cleaning them.**

# 6. TECHNICAL SPECIFICATIONS

| Dimensions and Weight | Length | Width | Height | Weight |
|---|---|---|---|---|
| 4BAR USB | 47.4 in (1,205 mm) | 2 in (50 mm) | 11 in (284.5 mm) | 10.8 lb (4.9 kg) |
| Wireless Footswitch | 12.4 in (315 mm) | 5.2 in (132 mm) | 1.5 in (38 mm) | 0.8 lb (1.8 kg) |
| Tripod Stand | | | 7.4 ft (2.2 m) | |

**Note:** Dimensions in inches rounded to the nearest decimal digit.

**Power**

| Power Supply Type | Range | Voltage Selection |
|---|---|---|
| Switching (internal) | 100 to 240 VAC, 50/60 Hz | Auto-ranging |

| Parameter | 120 V, 60 Hz | 230 V, 50 Hz |
|---|---|---|
| Consumption | 36 W | 36 W |
| Operating Current | 0.6 A | 0.3 A |
| Power linking current (products) | 8 A (14 units) | 8 A (27 units) |
| Fuse | 1 A, 250 V | 1 A, 250 V |

| Power I/O | U.S./Worldwide | UK/Europe |
|---|---|---|
| Power input connector | IEC | IEC |
| Power output connector | Edison | IEC |
| Power Cord plug | Edison (U.S.) | Local plug |

**Light Source**

| Type | Power | Lifespan |
|---|---|---|
| LED | 3 W | 50,000 hours |

| Color | Quantity | Current |
|---|---|---|
| Tri-color RGB | 28 | 1 A |

**Photometrics**

| Parameter | |
|---|---|
| Strobe Rate | 0 to 25 Hz |
| Beam Angle | 18° |
| Field Angle | 31° |
| Illuminance @ 2 m | 2,330 lux (per pod) |

**Thermal**

| Maximum External Temp. | Cooling System |
|---|---|
| 104 °F (40 °C) | Convection |

**DMX**

| I/O Connectors | Channel Range |
|---|---|
| 3-pin XLR | 3 or 15 |

**Ordering**

| Product Name | Item Code | UPC Number |
|---|---|---|
| 4BAR USB | 03031129 | 78146221477 |

# RETURNS

In case you need to get support or return a product:

- If you are located in the U.S., contact Chauvet World Headquarters.
- If you are located in the UK or Ireland, contact Chauvet Europe Ltd.
- If you are located in Mexico, contact Chauvet Mexico.
- If you are located in Benelux, contact Chauvet Europe BVBA.
- If you are located in any other country, DO NOT contact Chauvet. Instead, contact your local distributor. See www.chauvetlighting.com for distributors outside the U.S., UK, Ireland, Mexico, or Benelux.

**If you are located outside the U.S., UK, Ireland, Mexico, or Benelux, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website www.chauvetlighting.com 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.
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, Mexico, or Benelux contact your dealer. Follow their instructions to request support or to return a product. Visit our website for contact details.