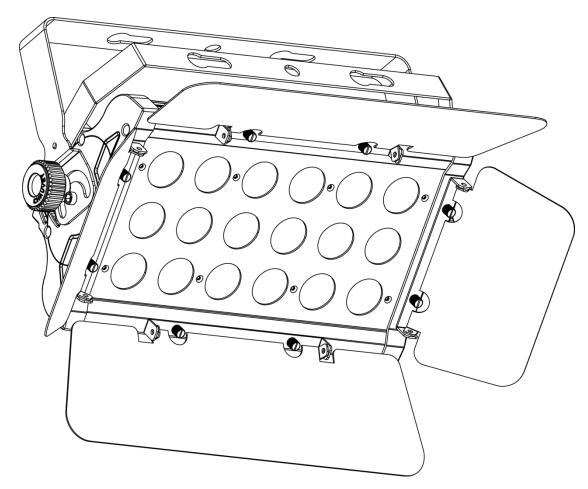
Slimbank TRI-18

User Manual



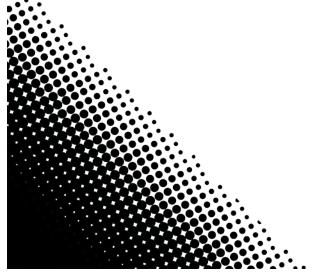




TABLE OF CONTENTS

1. Before You Begin	3
What Is Included	
Unpacking Instructions	
Claims	
Text Conventions	
Symbols	
Disclaimer	
Product at a Glance	
Safety Notes	
2. Introduction	
Overview	5
Dimensions	
3. Setup	7
AC Power	7
Fuse Replacement	
Power Linking	
Mounting	
Orientation	
Rigging	
4. Operation	
Control Panel Operation	
Menu Map	
Configuration (DMX)	
DMX Personalities and Starting AddressSlimBANK™ TRI-18 Sections for DMX Control	
DMX Channel Modes, Assignments, and Values	
13-Channel	12 12
9-Channel	
5-Channel	
3-Channel	13
Configuration (Standalone)	
Sound-Active Mode	
Sound Sensitivity	
Auto Program	
Program SpeedStatic Colors	
Custom Color Mixing	
Selecting the Dimmer Mode	
Temperature Display	
Master/Slave Mode	
5. Technical Information	17
Product Maintenance	
6. Technical Specifications	
Returns	
Contact Us	

1. Before You Begin

Included ^{*}

What Is · SlimBANK™ TRI-18

Power cord

Hanging bracket with mounting

hardware

Barn doors

Warranty card

Quick Reference Guide

Unpacking Carefully unpack the product immediately and check the container to make sure all the Instructions 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 to 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></enter>	A key to be pressed on the product's control panel
ON	A value to be entered or selected

Symbols

s	Symbol	Meaning
	<u> </u>	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.
_	\mathbf{i}	Important installation or configuration information. The product may not function correctly if this information is not used.
_		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. Download the latest version from www.chauvetlighting.com.

© Copyright 2013 CHAUVET®. All rights reserved.

Electronically published by CHAUVET® in the United States of America.

Author	Date	Editor	Date
A. Leon	08/06/13	T. Yeago	08/06/13

Product at a **Glance**

Use on Dimmer	X	Auto Programs	Р
Outdoor Use	×	Auto-ranging Power Supply	Р
Sound-Activated	Р	Replaceable Fuse	Р
DMX	Р	User-Serviceable	×
Master/Slave	Р		

Safety Notes These notes include important information about the mounting, usage, and maintenance of this product; read before using the product.

- 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 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.
- 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. Contact the nearest authorized technical assistance center.
- This product is not intended for permanent installation.

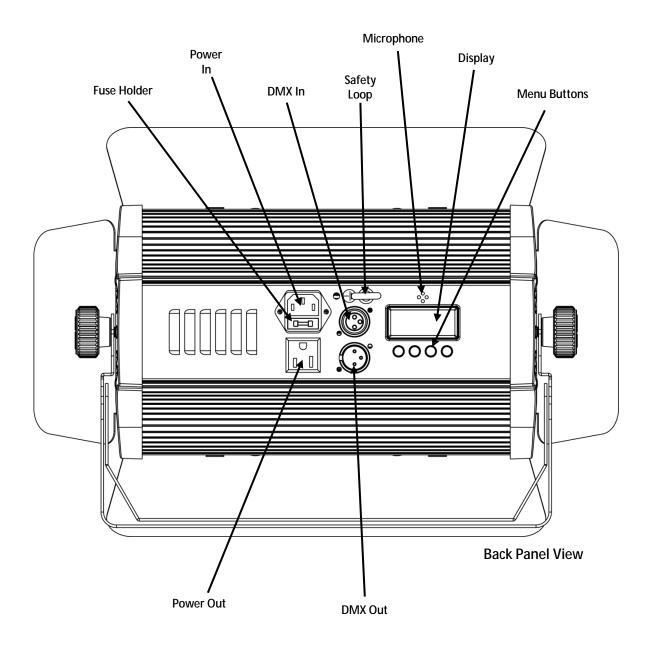


Keep this user manual for future use. If you sell the product to another user, be sure to give this document to the next owner.

SlimBANK™ TRI-18 User Manual Page 4 of 19

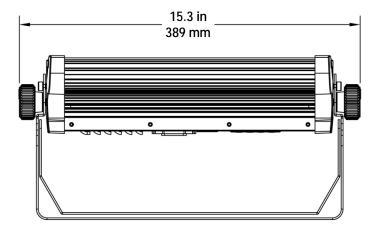
2. Introduction

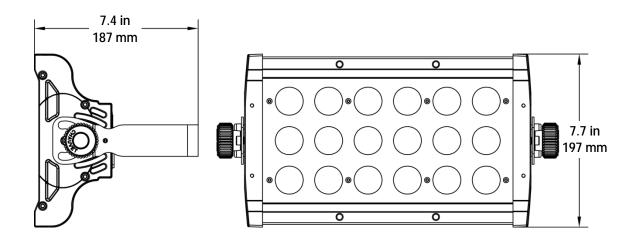
Overview



SlimBANK™ TRI-18 User Manual Page 5 of 19

Dimensions





3. SETUP

AC Power The SlimBANK™ TRI-18 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.



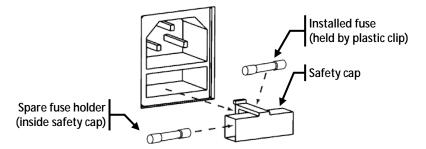
Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Replacement



Disconnect the product from power before replacing the fuse.

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





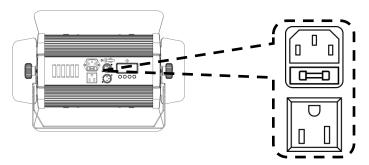
A spare fuse is not included; however, the safety cap has room for a spare.



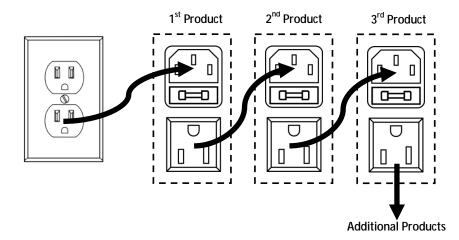
Always replace a blown fuse with another of the same type and rating.

SlimBANK™ TRI-18 User Manual

Power Linking The product provides power linking via the Edison/IEC outlet located in the front/back of the unit.



Power Linking Diagram





You can power link up to 9 SlimBANKTM TRI-18 units on 120 VAC or up to 16 SlimBANKTM TRI-18 units on 230 VAC.



The power linking diagram shown above corresponds to the North American version of the product ONLY! If using the product in other markets, you must consult with the local CHAUVET® distributor as power linking connectors and requirements may differ in your country or region.

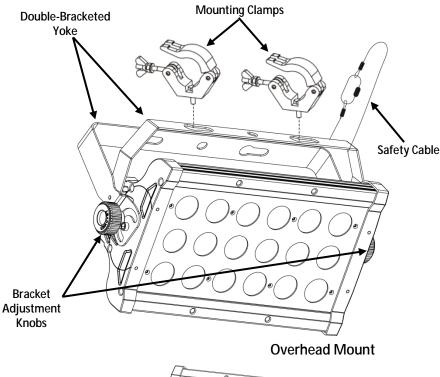
Mounting Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

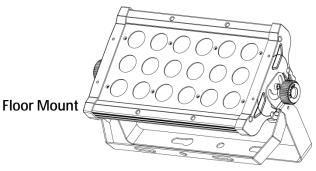
Orientation The SlimBANK™ TRI-18 may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging ·

- Before deciding on a location, always make sure there is easy access to the product for maintenance and programming.
- Make sure that the structure or surface onto which you are mounting the product can support the product's weight (see the Technical Specifications).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, you should use a mounting clamp of appropriate weight capacity. The bracket has a 13-mm holes, which are appropriate for this purpose.
- When power linking multiple products, you must always consider the length of the power linking cable and mount the products close enough for the cable 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.
- The double-bracketed yoke also serves as floor supports. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Mounting Diagram





4. OPERATION

Operation

Control Panel To access the control panel functions, use the four buttons located underneath the display.

Button Function		
<menu></menu>	Selects an operation mode or backs out of the current menu option	
<up></up>	Scrolls up the list of options or selects a higher value	
<down> Scrolls down the list of options or selects a lower value</down>		
<enter> Activates a menu option or a selected value</enter>		

Menu Map

Mode	Programming Steps		Description
DMX	3-CH		
Personalities	5-CH	d 1—d512	Selects DMX personality and
and Starting	9-CH	a 1—a512	starting address
Address	13CH		
		r	Red
		g	Green
		b	Blue
Static Colors	C	gb	Cyan
		r b	Magenta
		rg	Yellow
		rgb	White
Auto Program	P	P 1—P14	Selects auto program
Program Speed	S	S 1—S100	Selects auto program speed (slow to fast)
Sound-Active Mode	Snd		Sound-Active mode
Sound Sensitivity	. Song II		Sound sensitivity control
Custom Color		r 0—r255	Red (0 to 100%)
Mixing	U	g 0—g255	Green (0 to 100%)
		b 0—b255	Blue (0 to 100%)
		OFF	Dimmer, speed off
Dimmer	dIM	dIM1	Dimmer, fast speed
Dillillici	WIIII	dIM2	Dimmer, middle speed
		dIM3	Dimmer, slow speed
Temperature tEMP		EMP	Displays temperature of LEDs

Page 10 of 19

Configuration (DMX)

Configuration 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.

Personalities and Starting Address

DMX 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.

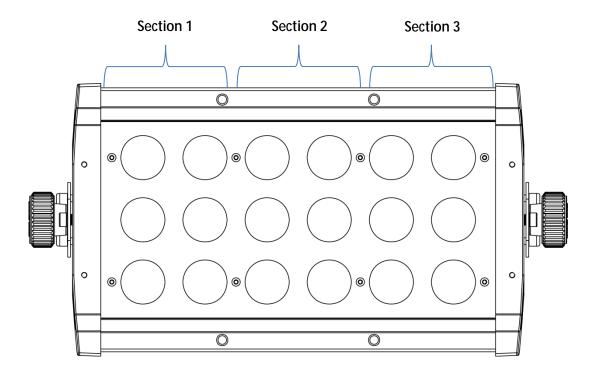
The SlimBANK™ TRI-18 uses up to 13 DMX channels in its 13-channel DMX personality, which defines the highest configurable address to **500**.

If unfamiliar with DMX, download the DMX Primer from www.chauvetlighting.com.

To select the DMX personality and starting address, do the following:

- Press <MENU> repeatedly until 3-CH (3-channel mode), 5-CH (5-channel mode),
 9-CH (9-channel mode), or 13CH (13-channel mode) shows on the display.
- 2. Press **<ENTER>** and **d 1—d512** shows on the display.
- 3. Use **<UP>** or **<DOWN>** to select the starting address.
- 4. Press <ENTER>.

SlimBANK™ TRI-18 Sections for DMX Control



DMX Channel Modes, Assignments, and Values

13-Channel

Channel	Function	Value	Setting	
1	Red	000 Ó 255	0 to 100%	
2	Green	000 ර 255	0 to 100%	Section 1
3	Blue	000 Ó 255	0 to 100%	
4	Red	000 ර 255	0 to 100%	
5	Green	000 ර 255	0 to 100%	Section 2
6	Blue	000 ර 255	0 to 100%	
7	Red	000 Ó 255	0 to 100%	
8	Green	000 Ó 255	0 to 100%	Section 3
9	Blue	000 Ó 255	0 to 100%	
10	Auto Programs	000 \(\phi \) 010 011 \(\phi \) 028 029 \(\phi \) 045 046 \(\phi \) 062 063 \(\phi \) 079 080 \(\phi \) 096 097 \(\phi \) 113 114 \(\phi \) 130 131 \(\phi \) 147 148 \(\phi \) 164 165 \(\phi \) 181 182 \(\phi \) 198 199 \(\phi \) 215 216 \(\phi \) 232 233 \(\phi \) 255	Chase 2 Chase 3 Chase 4 Chase 5 Chase 6 Chase 7 Chase 8 Chase 9 Chase 10 Chase 11 Chase 12 Chase 13	es 1—13)
11	Speed	000 Ó 255	Auto programs speed (sl	ow to fast)
12	Dimmer	000 Ó 255	0 to 100%	
13	Shutter	000 Ó 010 011 Ó 255	No function Strobe (slow to fast)	

9-Channel

Channel	Function	Value	Setting
1	Dimmer	000 ර 255	0 to 100%
2	Red	000 ර 255	0 to 100%
3	Green	000 Ó 255	0 to 100%
4	Blue	000 Ó 255	0 to 100%
_		000 Ó 010	No function
5	Shutter	011 ó 255	Strobe (slow to fast)
6	Custom Color and Color Temperature	000 6 010 011 6 030 031 6 050 051 6 070 071 6 090 091 6 110 111 6 130 131 6 150 151 6 170 171 6 200 201 6 210 211 6 220 221 6 220 221 6 230 231 6 240 241 6 250 241 6 250 245	No function Red 100% + Green 0 to 100% Red 100% to 0 + Green 100% Green 100% + Blue 0 to 100% Green 100% to 0 + Blue 100% Red 0 to 100% + Blue 100% Red 100% + Blue 100% to 0 Red 100% + Green 0 to 100% + Blue 0 to 100% Red 100% + Green 100% to 0 + Blue 100% Red 100% + Green 100% to 0 + Blue 100% Color temperature 1 Color temperature 2 Color temperature 3 Color temperature 4 Color temperature 5 Color temperature 6 Color temperature 7 Color temperature 8 Color temperature 9 Color temperature 10 Color temperature 10 Color temperature 10
7	Auto Programs	000 \(\phi \) 010 011 \(\phi \) 028 029 \(\phi \) 045 046 \(\phi \) 062 063 \(\phi \) 079 080 \(\phi \) 096 097 \(\phi \) 113 114 \(\phi \) 130 131 \(\phi \) 147 148 \(\phi \) 164 165 \(\phi \) 181 182 \(\phi \) 198 199 \(\phi \) 215 216 \(\phi \) 232 233 \(\phi \) 255	No function Chase 1 Chase 2 Chase 3 Chase 4 Chase 5 Chase 6 Chase 7 Chase 8 Chase 9 Chase 10 Chase 11 Chase 12 Chase 13 Chase 14 (random Chases 1 to 13) Sound-Active mode
8	Speed	000 \(\delta \) 255	Auto programs speed (slow to fast)
	орови	000 G 255	Dimmer mode manually set in Menu Options
9	Dimmer Mode	052 \(\phi \) 101 102 \(\phi \) 152 153 \(\phi \) 203 204 \(\phi \) 255	Dimmer mode off Dimmer mode 1 (fast speed) Dimmer mode 2 (middle speed) Dimmer mode 3 (slow speed)

5-Channel

İ	Channel	Function	Value	Setting
	1	Dimmer	000 Ó 255	0 to 100%
	2	Red	000 Ó 255	0 to 100%
	3	Green	000 Ó 255	0 to 100%
	4	Blue	000 Ó 255	0 to 100%
	5	Shutter	000 Ó 010 011 Ó 255	No function Strobe (slow to fast)

3-Channel

I	Channel	Function	Value	Setting
	1	Red	000 Ó 255	0 to 100%
	2	Green	000 Ó 255	0 to 100%
	3	Blue	000 Ó 255	0 to 100%

(Standalone)

Configuration 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 (Static, Auto, or Sound-Active) 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.

Sound-Active To enable the Sound-Active mode, do the following:

Mode 1. Press <MENU> repeatedly until Snd shows on the display.

2. Press <ENTER>.

Sound Sensitivity To set the sound sensitivity, follow the instructions below:

- 1. Press <MENU> repeatedly until SenS shows on the display.
- Use **<UP>** or **<DOWN>** to select the desired sound sensitivity (**u 0-u100**).
- 3. Press <ENTER>.



The product will only respond to low frequencies of music (bass and drums).

Auto Program To select an auto program, do the following:

- 1. Press **<MENU>** repeatedly until **P--** shows on the display.
- 2. Press <ENTER> and P 1-P 14 shows on the display.
- 3. Use **<UP>** or **<DOWN>** to select the desired auto program.
- Press <ENTER>.

Program Speed To set the auto program speed, follow the instructions below:

- Press **<MENU>** repeatedly until **S--** shows on the display.
- Use **<UP>** or **<DOWN>** to select the desired auto program speed **S 1–S100** (slow to fast).
- Press <ENTER>.

Static Colors To select a preset static color, do the following:

- 1. Press <MENU> repeatedly until C-- shows on the display.
- 2. Press **<ENTER>** and **r** (red), **g** (green), **b** (blue), **gb** (cyan), **r b** (magenta), rg (yellow), or rgb (white) shows on the display.
- Use **<UP>** or **<DOWN>** to select the desired preset color.
- Press <ENTER>.

Custom Color To custom mix a color, follow the instructions below:

- Mixing 1. Press <MENU> repeatedly until U-- shows on the display.
 - 2. Press **<ENTER>** and one of the following colors shows on the display: **rXXX** (red), gXXX (green), or bXXX (blue).
 - 3. Press **<ENTER>** repeatedly to select the desired color.
 - 4. Use **<UP>** or **<DOWN>** to select the desired color value **0–255** (0 to 100%).
 - NOTE: Selecting 0 will turn the color off.
 - 5. Press **<ENTER>** to set the color value and continue to the next color.
 - 6. Repeat steps 3 to 5 until you create your desired color.

Selecting the To select the dimmer mode, do the following:

- **Dimmer Mode** 1. Press <MENU> repeatedly until dIM shows on the display.
 - 2. Press **<ENTER>** and one of the following shows on the display:
 - **OFF** (dimmer speed off)
 - dIM1 (dimmer mode 1, fast speed)
 - dIM2 (dimmer mode 2, middle speed)
 - dIM3 (dimmer mode 3, slow speed)
 - 3. Use **<UP>** or **<DOWN>** to select the desired dimmer mode.
 - Press <ENTER>.

Display 1.

Temperature To view the temperature of the LEDs, follow the instructions below:

- Press **<MENU>** repeatedly until **tEMP** shows on the display.
- 2. Press **<ENTER>** and the temperature will be shown in degrees Celsius.

SlimBANK™ TRI-18 User Manual

Master/Slave The Master/Slave mode allows a single SlimBANK™ TRI-18 unit (the "master") to Mode control the actions of one or more SlimBANK™ TRI-18 units (the "slaves") without the need of a DMX controller. The master unit will be set to operate in either an auto program or Sound-Active mode, while the slave units will be set to operate in Slave mode. Once set and connected, the slave units will operate in unison with the master

Configure the units as indicated below.

Slave units:

- Set the DMX address to d001.
- Connect the DMX input of the first slave unit to the DMX output of the master unit.
- Connect the DMX input of the subsequent slave units to the DMX output of the previous slave unit.
- Finish setting and connecting all the slave units.

Master unit:

- 1. Set the master unit to operate in either an auto program or Sound-Active mode.
- 2. Make the master unit the first unit in the DMX daisy chain.
- Configure all the slave units before connecting the master unit to the DMX daisy



- 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 unit.
- Do not connect more than 31 slave units to the master unit.

5. TECHNICAL INFORMATION

Maintenance

Product Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and mechanical wear. To maintain optimum performance and minimize wear, clean the product at least twice a month. However, usage and environmental conditions contribute to increased cleaning frequency.

To clean the product, follow the instructions below:

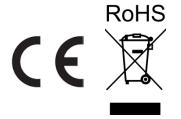
- Unplug the product from power.
- Wait until the product is at room temperature.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface and vents.
- Clean all external optics and glass/transparent surfaces with a mild soap solution, ammonia-free glass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



Always dry the external optics and glass/transparent surfaces carefully after cleaning

6. TECHNICAL SPECIFICATIONS

Dimensions and	Length	Width	Height	Weight
Weight	15.3 in (389 mm)	7.7 in (197 mm)	7.4 in (187 mm)	7 lb (3.2 kg)
	Note: Dimensions in inches rounded to the nearest decimal digit.			
Power	Power Supply Type	Ra	ange	Voltage Selection
	Switching (internal)	100 to 240	V, 50/60 Hz	Auto-ranging
	Parameter	120 V	, 60 Hz	230 V, 50 Hz
	Consumption	10	5 W	109 W
	Operating current	0.	9 A	0.5 A
	Power linking current (uni	its) 8 A (9 units)	8 A (16 units)
	Fuse	T 2 A	., 250 V	T 2 A, 250 V
	Power I/O	US/Wo	orldwide	UK/Europe
	Power input connector	ı	EC	IEC
	Power output connecto	r Ed	lison	IEC
	Power Cord plug	Ediso	on (US)	Local plug
Light Source	Туре	Type Power		Lifespan
	LED	LED 3 W		50,000 hours
	Color	Qua	antity	Current
	Tri-color		18	350 mA x 3
Photo Optic	Parameter			
	Illuminance @ 2 m 5450 lx		50 lx	
	Beam angle	•	17°	
	Field angle	;	32°	
	Strobe rate	0 to	20 Hz	
Thermal	Maximum External Temp. Cooling System			
	104 °F (40 °C)	Con	vection	
DMX	I/O Connectors	Connec	ctor Type	Channel Range
	3-pin XLR	So	ckets	3, 5, 9, 13
Ordering	Product Name	Item	Code	UPC Number
_	SlimBANK™ TRI-18	030	30667	781462210151



Page 18 of 19 SlimBANK™ TRI-18 User Manual

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 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, or Ireland, 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 World Headquarters

CHAUVET®

General Information

5200 NW 108th Avenue Address: Sunrise, FL 33351 (954) 577-4455 Voice: Fax: (954) 929-5560 Toll free: (800) 762-1084

Technical Support

Voice: (954) 577-4455 (Press 4) Fax: (954) 756-8015 Email: tech@chauvetlighting.com

World Wide Web

www.chauvetlighting.com

United Kingdom & Ireland

CHAUVET® Europe Ltd.

General Information Address:

Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT

Voice: +44 (0)1773 511115 Fax: +44 (0)1773 511110

Technical Support

Email: uktech@chauvetlighting.com

World Wide Web

www.chauvetlighting.co.uk