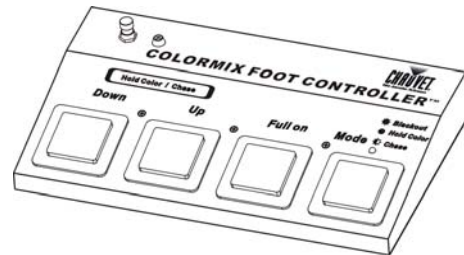
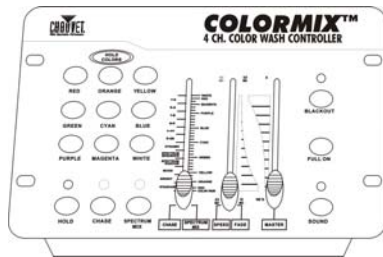


CA-32 & CA-32F Colormix™ & Foot Controller

USER MANUAL



Both items sold individually!



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BEFORE YOU BEGIN

What is included

This manual includes instructions for both the CA-32 and CA-32F controllers.

CA-32 Colormix™

- 1 x CA-32
- DC 9V power adapter
- Warranty Card & Manual

CA-32F Colormix™ Foot Controller

- 1 x CA-32F Foot Controller
- 10m/32.8ft 5-pin XLR cable
- Warranty Card & Manual

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Safety Instructions



Please read these instructions carefully, which includes important information about the installation, usage and maintenance?

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on decal or rear panel of the fixture.
- This product is intended for indoor use only!
- To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing lamp or fuse and be sure to replace with same lamp source.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Don't connect the device to a dimmer pack.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.

Caution! *There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact CHAUVET.*

INTRODUCTION

Features

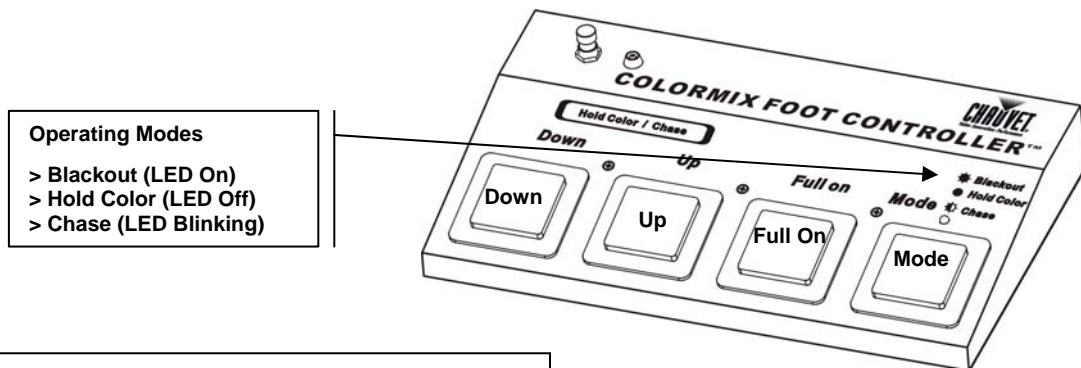
CA-32 Colormix™ Controller

- 9 different hold-color buttons for immediate color access
- fader access to 32 predefined mixed colors
- fade time control
- 12 different chase patterns to choose from
- chase speed control
- master dimmer level
- blackout button
- full on button
- sound button

CA-32F Colormix™ Foot Controller

- powered by CA-32 controller
- 10m/32.8ft 5-pin XLR cable
- rugged pedal buttons
- access to Down, Up, Full On and Mode functions
- works exclusively with CA-32 Colormix™ Controller

Product Overview (CA-32F)

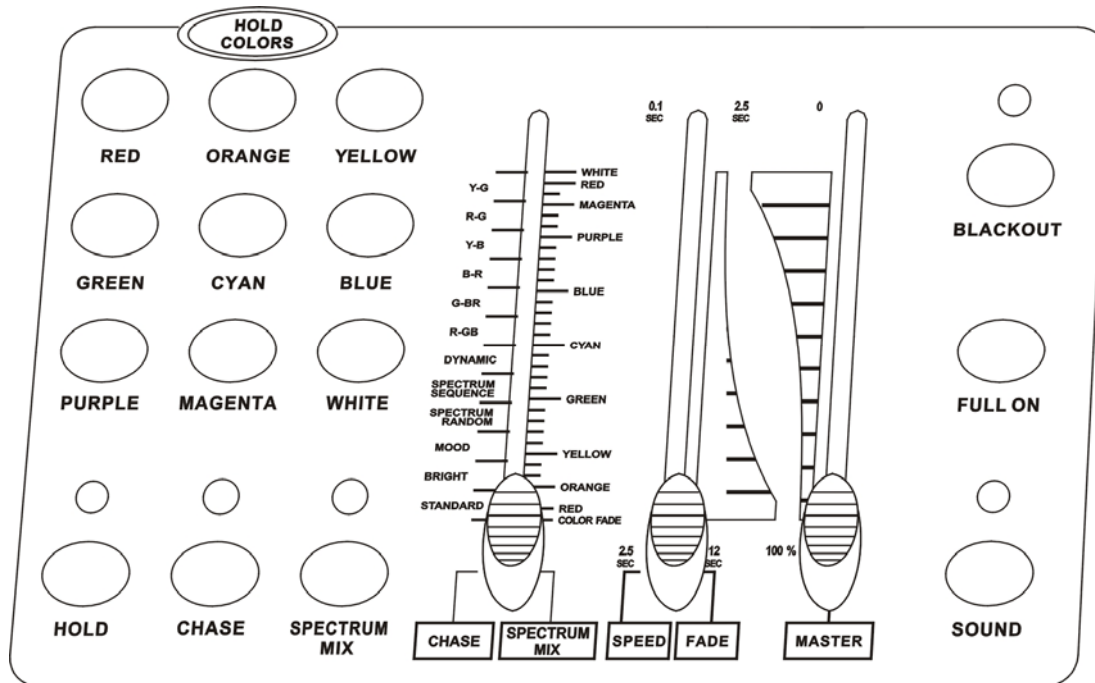


Operating Modes

- > Blackout (LED On)
- > Hold Color (LED Off)
- > Chase (LED Blinking)

Pedal	Function
Down	Toggles hold colors or chase patterns
Up	Toggles hold colors or chase patterns
Full On	Turns all lamps to full output
Mode	Selects operating modes, blackout, hold-color & chase

Product Overview (CA-32)



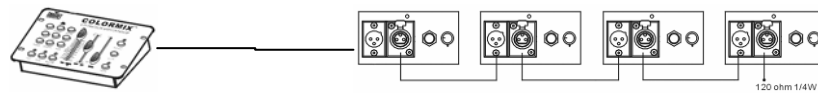
Button or Fader	Function
Blackout	Blackout for all Stage Washes
Full On	Turn all lamps to full output
Sound	Activates Sound to Light Mode
Master	Overall Intensity
Speed-Fade (fader)	Chase speed adjust between .1 and 2.5 seconds while conversely affecting fade time between chases.
Chase/Spectrum Mix (fader)	Select from preset pattern chases
	Select from 32 predefined colors
Hold Colors	9 buttons provide immediate activation of the most popular colors available
Hold	Activates "Hold Colors" palette
Chase	Activates "Chase" fader control of preset chase patterns
Spectrum Mix	Activates "Spectrum Mix" fader for control of 32 predefined colors

SETUP

Connection

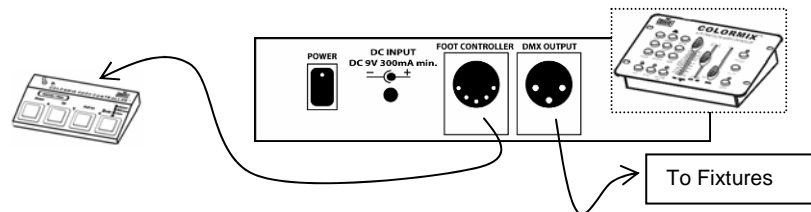
CA32 Colormix™ Controller

Using a qualified 3-pin XLR DMX cable as described in the Appendix section under DMX Primer, connect the output of the CA-32 Controller to the input of the first TFX-900 Stage Wash 900.



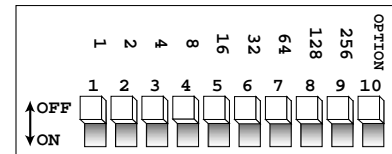
CA32F Colormix™ Foot Controller

The CA32F foot controller connects to the CA32 using the 5-pin XLR cable foot controller output, located at the rear of the controller. This cable is included with your purchase of the CA32F. The CA32F will only work with the CA32 Colormix™ Controller.



Operating Functions

To operate the Stage Wash (TFX-900) with the CA-32 Colormix™ Controller, dipswitch # 10 on all fixtures must be set to the off position.



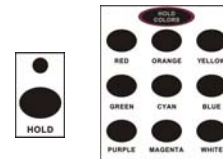
CA32 Colormix™ Controller

MASTER SLIDER

The **Master Slider** is used to adjust the overall light intensity of all Stage Washes connected to the controller. Increasing and decreasing the **Master Slider** will result in slight color deviation from what was originally set at full intensity.

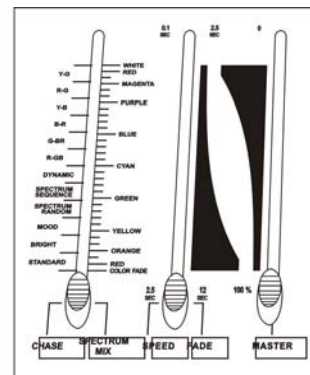
HOLD

The **Hold** button will activate the **Hold Color** function which provides the user immediate access to the colors designated on the buttons. The **Hold** button is activated when the LED just above it is turned on.



SPECTRUM MIX

The **Spectrum Mix** button will activate the **Spectrum Mix** slider which provides the user immediate access to 32 pre-defined/mixed colors as listed along the right side of the slider. Simply slide the slider up and watch tentatively as the colors change gradually. It is best to move the slider very slowly in order to achieve the greatest resolution possible so that you don't unintentionally skip any of the 32 colors.



CHASE

The **Chase** button will activate the **Chase** slider enabling the user to select from 12 defined color chases as labeled directly along the left side of the slider. Positioning the **Speed/Fade** slider will increase the chase speed and shorten the fade time between pattern changes or do the exact opposite as labeled.

SOUND

The **Sound** button will activate the internal microphone on the controller and enable sound to light triggering of the 12 pattern chases in the controller.

FULL ON

The **Full On** button will bring all the lamps in all the Stage Washes to full power, resulting in a wash of white light.

BLACKOUT

The **Blackout** button brings all lighting output to 0 or off. The same affect as sliding the **Master** slider all the way down.

CA32F Colormix™ Foot Controller Modes

The CA32F was created specifically to work with the CA32 Colormix™ Controller. No other device should be connected to its 5-pin XLR connector.

Turning on the power button on the CA32F will disable the CA32 Colormix™ Controller. This is normal operation. To regain control using the CA32 Controller simply turn off the CA32F.

CHASE MODE

To enable the **Chase mode**, press the {Mode} pedal and hold until the LED blinks. The **Up** and **Down** pedals allows the user to select any of the 12 chase patterns available.



HOLD COLOR MODE

To enable the **Hold Color Mode**, press the {Mode} pedal until the LED is off. The **Up** and **Down** pedals allows the user to select any of the 9 preset primary colors available.

FULL ON

The **Full On** pedal will bring all the lamps in all the Stage Washes to full power, resulting in a wash of white light.

BLACKOUT

To enable the **Blackout Mode**, press the {Mode} pedal until the LED is on. All light output will be brought to 0 or off.

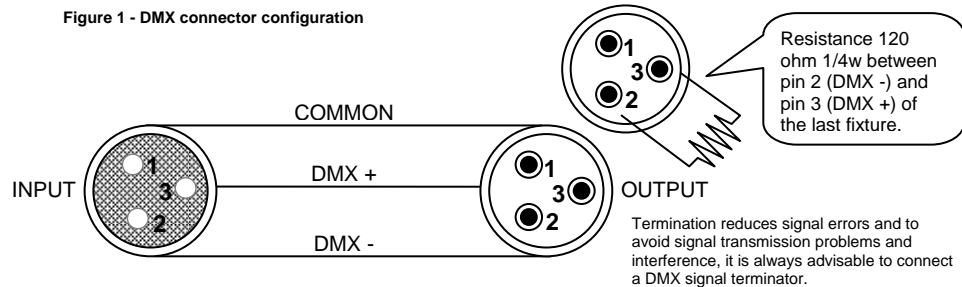
APPENDIX

DMX Primer

There are 512 channels in a DMX-512 connection. Channels may be assigned in any manner. A fixture capable of receiving DMX 512 will require one or a number of sequential channels. The user must assign a starting address on the fixture that indicates the first channel reserved in the controller. There are many different types of DMX controllable fixtures and they all may vary in the total number of channels required. Choosing a start address should be planned in advance. Channels should never overlap. If they do, this will result in erratic operation of the fixtures whose starting address is set incorrectly. You can however, control multiple fixtures of the same type using the same starting address as long as the intended result is that of unison movement or operation. In other words, the fixtures will be slaved together and all respond exactly the same.

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling. Connect fixtures using shielded two conductor twisted pair cable with three pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-) and pin 3 is Data positive (S+). CHAUVET carries 3-pin XLR DMX compliant cables, DMX-10 (33'), DMX-4.5 (15') and DMX-1.5 (5')

FIXTURE LINKING



Note!

If you use a controller with a 5 pin DMX output connector, you will need to use a 5 pin to 3 pin adapter. CHAUVET Model No: DMX5M. The chart below details a proper cable conversion:

3 Pin to 5 Pin Conversion Chart

Conductor	3 Pin Female (output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-)signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

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. Be sure to power off fixture before conducting maintenance.

Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue. Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens. Gently polish optical surfaces until they are free of haze and lint.

Returns Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Merchandise Authorization Number (RA #). Products returned without an RA # will be refused. Call CHAUVET and request RA # prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. CHAUVET reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Claims

Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise.

General Troubleshooting

Symptom	Solution(s)	Applies to			
		Lights	Foggers & Snow	Controllers	Dimmers & Chaser
Auto shut off	Check fan thermal switch reset	✓			
Beam is very dim or not bright	Clean optical system or replace lamp Check 220/110v switch for proper setting	✓			
Breaker/Fuse keeps blowing	Check total load placed on device				✓
Chase is too slow	Check users manual for speed adjustment	✓		✓	✓
Device has no power	Check for power on Mains. Check device's fuse. (internal and/or external)	✓		✓	✓
Fixture is not responding	Check DMX Dip switch settings for correct addressing Check DMX cables Check polarity switch settings	✓			
Fixture is on but there is no movement to the audio	Make sure you have the correct audio mode on the control switches. If audio provided via ¼" jack, make sure a live audio signal exists Adjust sound sensitivity knob	✓		✓	✓
Lamps cuts off sporadically	Possible bad lamp or fixture is overheating. Lamp may be at end of its life.	✓			
Light will not come on after power failure	Some discharge lamps require a cooling off period before the electronics in the fixture can kick start it again, wait 5 to 10 minutes before powering up	✓			
Loss of signal	Use only DMX cables Install terminator Note: Keep DMX cables separated from power cables or black lights.	✓	✓	✓	✓
Moves slow	Check 220/110v switch for proper setting	✓			
No flash	Re-install bulb, may have shifted in shipping	✓			
No laser output	Bounce mirror motor may have shifted during shipping, readjust	✓			
No light output	Check slip ring & brushes for contact Install bulb Call service technician	✓			
Relay will not work	Check reset switch Check cable connections				✓
Remote does not work	Make sure connector is firmly connected to device	✓	✓		
Stand alone mode	All Chauvet lighting fixtures featuring stand-alone functions do not require additional settings, simply power the fixture and it will automatically enter into this mode	✓			

Technical Specifications

WEIGHT & DIMENSIONS (CA32 COLORMIX™ CONTROLLER)

Length.....	210 mm (8.3 in)
Width	140 mm (5.5 in)
Height.....	46 mm (1.81 in)
Weight93 Kg (2.06 lbs)

WEIGHT & DIMENSIONS (CA32F FOOT CONTROLLER)

Length.....	305 mm (12 in)
Width	174 mm (6.85 in)
Height.....	44 mm (1.73 in)
Weight	1.27 Kg (2.82 lbs)

POWER

Operating Range	DC 9V 300mA min
Adapter	Provided

THERMAL

Maximum ambient temperature.....	40° (104° F)
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CONTROL & PROGRAMMING

Data output.....	locking 3-pin XLR female socket
Data pin configuration	pin 1 shield, pin 2 (-), pin 3 (+)
Protocols.....	DMX-512 USITT

ORDERING INFORMATION

Colormix™ Controller	CA32
Colormix™ Foot Controller.....	CA32F