# OVATION F-95WW 

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Edition Notes
The OVATION ${ }^{\text {TM }}$ F-95WW User Manual Rev. 1 covers the description, safety precautions, installation, programming, operation, and maintenance of the OVATION ${ }^{\text {TM }}$ F-95WW. CHAUVET® released this edition of the OVATION ${ }^{\text {™ }}$ F-95WW User Manual in October 2013.
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For better results, print this document in color, on letter size paper ( $8.5 \times 11 \mathrm{in}$ ), doublesided. If using A4 paper ( $210 \times 297 \mathrm{~mm}$ ), configure your printer to scale the content accordingly.

Intended Audience
Any person in charge of installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.
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Document Revision The OVATION ${ }^{\text {TM }}$ F-95WW User Manual Rev. 1 is the first edition of this manual. Go to www.chauvetpro.com for the latest version.

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## 1. Before You Begin

What is Included - OVATION ${ }^{\text {TM }}$ F-95WW

- Neutrik® powerCON® power cord
- Gel Frame ( $6.5 \mathrm{in} / 165 \mathrm{~mm}$ accessories)
- Safety Cable
- Warranty Card
- Quick Reference Guide

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

## Manual Conventions

| Convention | Meaning |
| :---: | :--- |
| $1-512$ | A range of values in the text |
| $50 / 60$ | A set of mutually exclusive values in the text |
| <SET> | A button on the product's control panel |
| Settings | A product function or a menu option |
| MENU>Settings | A sequence of menu options |
| $\mathbf{1 - 1 0}$ | A range of menu values from which to choose in a menu |
| Yes/No | A set of two mutually exclusive menu options in a menu |
| ON | A unique value to be entered or selected in a menu |

Symbols

| Symbols | Meaning |
| :--- | :--- |
|  | Critical installation, configuration, or operation information. <br> Failure to comply with this information may cause the product not <br> to work, damage third-party equipment, or cause harm to the <br> operator. |
|  | lmportant installation or configuration information. Failure to <br> comply with this information may keep the product from working. |
|  | Useful information. |

The term "DMX" used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.

Product at a Glance

| Use on Dimmer | $\mathbf{X}$ | Auto Programs | $\mathbf{X}$ |
| :--- | :---: | :--- | :---: |
| Outdoor Use | $\mathbf{X}$ | Auto-Ranging Power <br> Supply | $\mathbf{P}$ |
| Sound-Active | $\mathbf{X}$ | Replaceable Fuse | $\mathbf{P}$ |
| DMX | $\mathbf{P}$ | User-Serviceable | $\mathbf{X}$ |
| Master/Slave | $\mathbf{P}$ | Duty Cycle | $\mathbf{X}$ |

## Safety Notes



Mounting and Rigging

## Power and Wiring

Operation

Read all the following Safety Notes before working with this product. These notes include important information about the installation, usage, and maintenance of this product.
This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained CHAUVET® certified technicians. Do not open the housing or attempt any repairs.
All applicable local codes and regulations apply to proper installation of this product.

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect this product from its power source before servicing.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing during operation because it may be very hot.
- This product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Mount this product in a location with adequate ventilation, at least 20 in ( 50 cm ) from adjacent surfaces.
- Make sure there are no flammable materials close to this product while it is operating.
- When hanging this product, always secure to a fastening device using a safety cable (included).
- Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- Never connect this product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.
- Do not operate this product if you see damage on the housing, lenses, or cables. Have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- The maximum ambient temperature is $113^{\circ} \mathrm{F}\left(45^{\circ} \mathrm{C}\right)$. Do not operate this product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!


## In the unlikely event that your CHAUVET® product may require service, contact CHAUVET® Technical Support.

LEDs gradually decline in brightness over time, mostly because of heat. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal, single-LED conditions. For this reason, using clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan can be 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operating temperature by improving the ventilation around the product and reducing the ambient temperature to an optimal operating range. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.

## 2. Introduction Description

The OVATION ${ }^{\text {TM }}$ F-95WW is a warm white LED wash product featuring a compact and lightweight design that delivers a beautiful soft flat field with high-quality glass optics. Its massive zoom range of $10^{\circ}$ to $54^{\circ}$ and beautifully soft, warm white wash make it a versatile Fresnel. Virtually quiet operation and smooth dimming control make it ideal for any theatrical and/or studio application.
Features

- Warm white LED Fresnel
- Operating modes:
- 1-channel (UNO): dimmer control
- 2-channel (DOS): dimmer and fine dimmer control
- 3-channel (STD.P): dimmer, fine dimmer, and strobe control
- 16-bit dimming for smooth fades
- Flat, even field of light
- Virtually silent operation
- Simple and complex DMX channel profiles for programming versatility
- Manually controlled variable zoom angle between $10^{\circ}$ and $54^{\circ}$
- 3- and 5-pin XLR data input and output connectors


## Overview



## Dimensions



## 3. Setup

## AC Power

Each OVATION ${ }^{\text {TM }}$ F-95WW has an auto-ranging power supply that works with an input voltage range of $100 \sim 240$ VAC, $50 / 60 \mathrm{~Hz}$. To determine the power requirements for each OVATION ${ }^{\text {TM }}$ F-95WW, refer to the label affixed to the product. You can also refer to the Technical Specifications chart in this manual.
The listed current rating indicates the maximum current draw during normal operation. For more information, you may download Sizing Circuit Breakers from the CHAUVET® website www.chauvetpro.com.


Always connect this product to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

Never connect this product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to $\mathbf{1 0 0 \%}$ switch.
The OVATION ${ }^{\text {™ }}$ F-95WW comes with a power input cord terminated with a Neutrik® powerCON® A connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with your product has no plug, or if you need to change the Edison plug, use the table below to wire the new plug to the power input cord.

| Connection | Wire (U.S.) | Wire (Europe) | Screw Color |
| :---: | :---: | :---: | :---: |
| AC Live | Black | Brown | Yellow or Brass |
| AC Neutral | White | Blue | Silver |
| AC Ground | Green/Yellow | Green/Yellow | Green |

## Fuse Replacement



Make sure to disconnect the product's power cord before replacing a blown fuse.

1. Disconnect this product from power.
2. Using a Phillips \#2 head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with another fuse of the same type and rating (T $3.15 \mathrm{~A}, 250 \mathrm{~V}$ ).
4. Screw the fuse holder cap back in place and reconnect power.


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

Power Linking

DMX Linking

DMX Modes
The OVATION ${ }^{\text {™ }}$ F-95WW uses the standard DMX data connection for the 1-, 2- and 3-channel DMX modes.

- Refer to the Introduction chapter for a brief description of these modes.
- Refer to the Operation chapter to learn how to configure the OVATION ${ }^{\text {TM }}$ F-95WW to work in these modes.
- The DMX Values section provides you with detailed information regarding the DMX modes.
Master/Slave Connectivity

The OVATION ${ }^{\text {TM }}$ F-95WW supports power linking. You can power link up to 15 units on 120 V ; up to 25 units on 208 V ; or up to 28 units on 230 V .
This product comes with a Neutrik ${ }^{8}$ powerCON® input power cord. This product does not come with a power linking cable; however, a power linking cable is available as an option.
You can link the OVATION ${ }^{\text {M }}$ F-95WW to a DMX controller using a standard DMX serial connection. If using other DMX-compatible products with the OVATION ${ }^{\text {TM }}$ F-95WW, you can control each individually with a single DMX controller.

The Master/Slave mode allows a single OVATION ${ }^{\text {M }}$ F-95WW (the "master") to control the actions of one or more OVATION ${ }^{\text {TM }}$ F-95WW units (the "slaves") without the need of a DMX controller to control the slaves. Once set and connected, the slaves will operate in unison with the master. For instructions on connecting and configuring this product, see Master/Slave Mode.
DO NOT connect a DMX controller to products operating in Slave mode. The DMX controller signals may interfere with the signals from the master product.

The Operation section of this manual provides detailed instructions on how to configure the master and slaves.

If you are not familiar with or need more information about DMX standards, master/slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the $D M X$ Primer from the CHAUVET® website: www.chauvetpro.com.

Mounting Orientation

Always mount this product in a safe position. The OVATION ${ }^{\text {™ }}$ F-95WW may be mounted in any position; however, make sure there is adequate room for ventilation, configuration, and maintenance.
Rigging CHAUVET® recommends using the following general guidelines when mounting this product.

- When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance.
- Make sure to mount this product away from any flammable material as indicated in the Safety Notes.
- Never mount in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect the product.
- If hanging this product, make sure that the mounting location can support the product's weight. See the Technical Specifications for the weight-bearing requirements of this product.
- When hanging this product, always secure to a fastening device using a safety cable (included).
Procedure The OVATION ${ }^{\text {TM }}$ F-95WW comes with a hanging/mounting bracket to which you can attach mounting clamps. The bracket has $13-\mathrm{mm}$ holes, which are appropriate for this purpose. You must supply your own mounting clamps, so be sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per


Floor Mounting

## 4. Operation

## Control Panel Description

| Button | Function |
| :---: | :--- |
| <MENU> | Exits from the current menu or function |
| <ENTER> | Activates the currently displayed menu option or sets the <br> selected value in the current function |
| <UP> | Scrolls up the list of menu options or increases the numeric value <br> when in a function |
| <DOWN> | Scrolls down the list of menu options or decreases the numeric <br> value when in a function |

## Control Options

## Programming

You can set the starting address of the OVATION ${ }^{\text {TM }}$ F-95WW in the 001-512 DMX range. This enables control of up to 170 products in the 3-channel STD.P personality.
Refer to the Menu Map for a description of your programming options. The menu map shows the main level and a variable number of programming levels for each option.

- Press <MENU> repeatedly to go to the desired main level. Press <ENTER> to select the main level and go to the first programming level for that option.
- Press <UP> or <DOWN> to scroll through the options or values within the current programming level. When the desired option shows on the display, press <ENTER> to select the option. If there are deeper programming levels, those options will show on the display.
- Press <MENU> repeatedly to exit to the previous level.



## DMX Values

| UNO | Channel | Function | Value |  |
| :---: | :--- | :---: | :--- | :--- |
| $\mathbf{1}$ | Dimmer | 000 Û 255 | $0-100 \%$ |  |


| DOS Channel | Function | Value | Percent/Setting |  |
| :---: | :--- | :---: | :--- | :--- |
| $\mathbf{1}$ | Dimmer | 000 Û 255 | $0-100 \%$ |  |
| $\mathbf{2}$ | Dimmer Fine | 000 Û 255 | $0-100 \%$ |  |


| STD.P | Channel | Function | Value | Percent/Setting |
| :---: | :---: | :---: | :---: | :---: |
|  | 1 | Dimmer | 000 Û 255 | 0-100\% |
|  | 2 | Dimmer Fine | 000 Û 255 | 0-100\% |
|  | 3 | Strobe | 000 Ŷ 009 010 Û 099 100 Û 109 110 Û 179 180 Û 189 190 Û 255 | No function Strobe (slow to fast) No function Lighting effect No function Random strobe |

## DMX Personality Set the DMX personality as follows.

1. Go to the SET main level.
2. Select the PERS programming level.
3. Select the desired personality: UNO (1-channel), DOS (2-channel), or STD.P (3-channel).

- See the DMX Control section for the highest starting address you can select for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.
DMX Control allows you to assign each product to a unique starting address on the DMX controller. All products with the same starting address will respond in unison.

1. Select a DMX personality.
2. Set the running mode:

- Go to the RUN main level.
- Select DMX.

Note: For information on the SLAV option, see Master/Slave Mode.
3. Set the starting address:

- Go to the ADDR main level.
- Select the starting address D.001-D.512.

The highest recommended starting address for each DMX mode is as follows:

| DMX <br> Mode | DMX <br> Address | DMX <br> Mode | DMX <br> Address | DMX <br> Mode | DMX <br> Address |
| :---: | :---: | :---: | :---: | :---: | :---: |
| UNO | 512 | DOS | 511 | STD.P | 510 |

Loss of Signal Setting
This setting controls how the product responds when the DMX signal is lost.

1. Go to the SET main level.
2. Select the DERR programming level.

- Select BLAK to turn off the LEDs when the signal is lost.
- Select SAVE to use the last command programmed when the signal is lost.

Dimmer - Menu Control

To adjust the light output of the OVATION ${ }^{\text {™ }}$ F-95WW, select the dimmer setting as follows.

1. Go to the DIM main level.
2. Select the desired dimmer setting D.000-D. 100 (0-100\% light output).

## Dimmer - Manual Control

Manually adjust the light output by using the dimmer adjustment knob, as follows.

1. Press the dimmer adjustment knob above the display twice.
2. Select the desired dimmer setting D.000-D. 100 (0-100\% light output) by turning the knob clockwise (value increases) or counter-clockwise (value decreases).

- When using the dimmer adjustment knob, the lowest dimmer value stops at D. 000 and the highest dimmer value stops at D.100.
- During manual dimmer control, you can also use <UP> or <DOWN>, which will cycle through all the dimmer values.
- After 30 seconds of dimmer adjustment knob inactivity, M. appears on the display.

Select the dimmer speed of the OVATION ${ }^{\text {TM }}$ F-95WW by selecting the DIMX programming level.

1. Go to the SET main level.
2. Select the DIMX programming level.
3. Select a dimmer speed DIM1-DIM4 (fast to slow) or OFF (linear output).

When selecting DIM1-DIM4, the output will correspond to the dimmer curve option selected under the dimmer curves programming level (CURV).
Dimmer Curves

Control Panel Lock
This setting enables you to activate or deactivate the control panel lock, which keeps non-authorized personnel from changing the product's settings.

1. Go to the KEY main level.
2. Select either ON (activate) or OFF (deactivate).

When the control panel lock is activated, after 30 seconds of control panel inactivity or after turning on the product, the product will prompt you to enter the passcode.
Passcode
After being prompted to enter the passcode:

- Press <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>.

Note: Asterisks (*) appear on the display when entering the passcode.
Menu Access Lock
This setting enables you to activate or deactivate the menu access lock. Activating the menu access lock prevents non-authorized personnel from making any changes to the programming levels under the SET main level.

1. Go to the SET main level.
2. Go to the SLCK programming level.
3. Select either ON (activate) or OFF (deactivate).

When the menu access lock is activated, in order to access the SET programming levels, the product will prompt you to enter the passcode. Enter the passcode as described in Passcode.

Reset To reset the OVATION ${ }^{\text {TM }}$ F-95WW to the factory default settings, follow the instructions below.

1. Go to the SET main level.
2. Select the REST programming level and then the display becomes blank.

Enter the passcode as described in Passcode. After successfully entering the passcode, REST blinks on the display during the reset process.
3. OK appears on the display when finished.

## Performance Power Output Options

The OVATION ${ }^{\text {TM }}$ F-95WW offers three power output options during the cooling of the fixture's LEDs.

1. Go to the SET main level.
2. Select the PERF programming level.
3. Select from the following options:

- $\quad$ Select LIVE to cool the LEDs by balancing the use of the fan and the power output level.
- $\quad$ Select STDO to cool the LEDs by maintaining the use of the fan and limiting the power output level.
- Select POWR to cool the LEDs by maintaining the use of the fan and allowing full power output.

Manual Zoom Control
The OVATION ${ }^{\text {TM }}$ F-95WW has a $10^{\circ}$ to $54^{\circ}$ manually controlled zoom range. Adjust the zoom angle as follows.

- Locate the zoom adjustment knobs on either side of the OVATION ${ }^{\text {TM }}$ F-95WW and turn the knobs to increase or decrease the zoom angle.
Master/Slave Mode
The Master/Slave mode allows a single OVATION ${ }^{\text {TM }}$ F-95WW (the "master") to control the actions of one or more OVATION ${ }^{\text {TM }}$ F-95WW units (the "slaves") without the need of a DMX controller to control the slaves. The master will be set to operate in Master mode (MAST), while the slaves will be set to operate in Slave mode (SLAV). Once set and connected, the slaves will operate in unison with the master.
Configure the units as indicated below.


## The Slaves:

1. Go to the RUN main level.
2. Select SLAV.
3. Connect the DMX input of the first slave to the DMX output of the master.
4. Connect the $D M X$ input of the subsequent slaves to the $D M X$ output of the previous slave.
5. Finish setting and connecting all the slaves.

## The Master:

1. Go to the SET main level.
2. Select the MCON programming level.
3. Select MAST.

Note: If you select SELF, no DMX signals are sent to the slaves.
4. Make the master the first product in the DMX daisy chain.
5. Control the master using the DMX controller and the slaves will operate in unison.

Do not connect a DMX controller to the products configured for slave operation. The DMX controller may interfere with signals from the master.

## 5. Technical Information

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 this product at least twice a month. However, usage and environmental conditions contribute to increased cleaning frequency.
To clean your 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 vents and components.
- Clean all external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Wipe any dirt or grime to the outside edges of the lens surface.
- Gently polish the lens surfaces until they are free of haze and lint.

Always dry the external surfaces thoroughly and carefully after cleaning them.

## Technical Specifications

| Dimensions and | Length | Width | Height | Weight |
| ---: | :---: | :---: | :---: | :---: |
| Weight | 12.8 in $(325 \mathrm{~mm})$ | 11 in $(279 \mathrm{~mm})$ | 15.2 in $(389 \mathrm{~mm})$ | $13.4 \mathrm{lb}(6.1 \mathrm{~kg})$ |

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


You must send the product prepaid, in the original box, and with the original packing and accessories. CHAUVET® will not issue call tags.
Call CHAUVET® 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(s) for the return.
Clearly label the package with an RMA number. CHAUVET® will refuse any product returned without an RMA number.


DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA number, include the following information on a piece of paper inside the box:

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

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. FedEx packing or double-boxing is recommended.
CHAUVET® reserves the right to use its own discretion to repair or replace

## Contact Us WORLD HEADQUARTERS - CHAUVET®

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