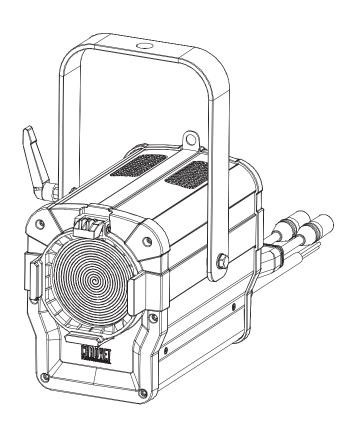


## **User Manual**







## **Edition Notes**

The Ovation F-55WW User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Ovation F-55WW as of the release date of this edition.

### **Trademarks**

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## **Document Printing**

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

### **Intended Audience**

Any person 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.

### **Disclaimer**

Chauvet believes that the information contained in this manual is accurate in all respects. However, Chauvet assumes no responsibility and specifically disclaims any and all liability to any party for any loss, damage or disruption caused by any errors or omissions in this document, whether such errors or omissions result from negligence, accident or any other cause. Chauvet reserves the right to revise the content of this document without any obligation to notify any person or company of such revision, however, Chauvet has no obligation to make, and does not commit to make, any such revisions. Download the latest version from <a href="https://www.chauvetprofessional.com">www.chauvetprofessional.com</a>.

### **Document Revision**

This Ovation F-55WW User Manual is the 4<sup>rd</sup> edition of this document. Go to <u>www.chauvetprofessional.com</u> for the latest version.



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## 1. Before You Begin

## What Is Included

- Ovation F-55WW
- Gel Frame

#### · Quick Reference Guide

### **Claims**

Carefully unpack the product immediately and check the container 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		
50/60	A set of values of which only one can be chosen		
<set> A button on the product's control panel</set>			
Settings A product function or a menu option			

## **Symbols**

Symbol	Meaning
A	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
$\triangle$	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.
<u>(i)</u>	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.



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



## **Safety Notes**

Read all the following safety notes before working with this product. These notes contain 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, certified technicians. Do not open the housing or attempt any repairs.



All applicable local codes and regulations apply to proper installation of this product.

### **Personal Safety**

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Do not touch the product's housing when operating because it may be very hot.

### **Mounting and Rigging**

- This product is not intended for permanent installation.
- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. (IP20)
- CAUTION: When transferring product from extreme temperature environments, (e.g. cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
- 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.
- Never carry the product by the power cord.

### **Power and Wiring**

- Make sure the power cord is not crimped or damaged.
- 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.
- 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 this product to a dimmer pack or rheostat.
- Make sure to replace the fuse with another of the same type and rating.
- Never disconnect this product by pulling or tugging on the power cable.

## Operation

- Do not operate this product if there is 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 °F (45 °C). Do not operate the product at higher temperatures.
- In the event of a serious operation problem, stop using this product immediately!



If your Chauvet product requires service, contact Chauvet Technical Support.

## **Expected LED Lifespan**

Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product, and limit the overall intensity.



## 2. Introduction

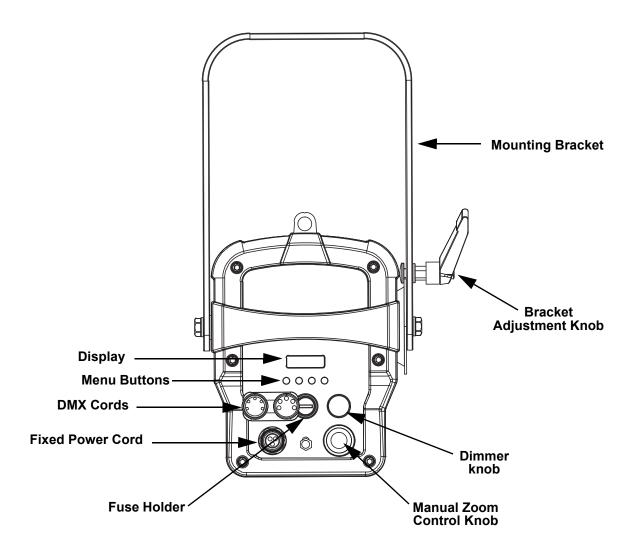
## **Description**

The Ovation F-55WW is a warm white LED (3- inch) inkie Fresnel-style fixture ideal for short throw applications in television studios and theatres. It projects a bright, soft field of light within a 30°- 69° field angle controlled by a manual zoom.

## **Operating modes:**

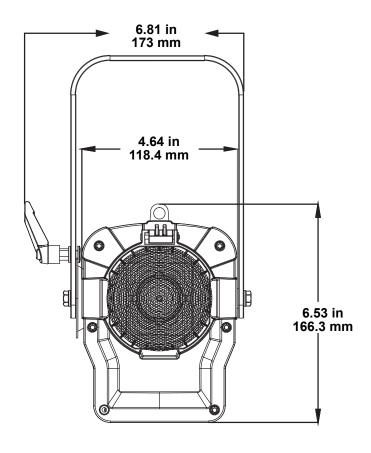
- 1Ch: dimmer
- 2Ch: dimmer, strobe
- 5Ch: dimmer, strobe, auto programs, auto speed, control

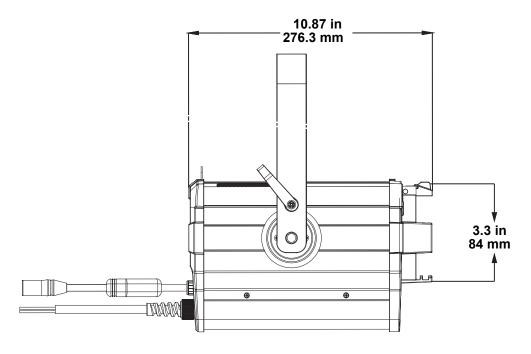
## **Product Overview**





## **Product Dimensions**







## 3. Setup

### **AC Power**

Each Ovation F-55WW This product has an auto-ranging power supply that can work with an input voltage range of 100–240 VAC, 50/60 Hz.



- 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.

### AC Plug

	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

## **DMX Linking**

The Ovation F-55WW will work with a DMX controller using a 5-pin DMX serial connection. A DMX Primer is available from <a href="https://www.chauvetprofessional.com">www.chauvetprofessional.com</a>.

#### **DMX Personalities**

The Ovation F-55FC uses a 5-pin DMX for its DMX personalities: 1, 2, or 5. Refer to the <u>Introduction</u> chapter for a brief description of each DMX personality.

- Refer to the <u>Operation</u> chapter to learn how to configure the Ovation F-55WW to work in these personalities.
- The <u>DMX Values</u> section provides detailed information regarding the control personalities.



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 DMX Primer from the Chauvet website: <a href="www.chauvetprofessional.com">www.chauvetprofessional.com</a>.

## **Remote Device Management (RDM)**

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Ovation F-55WW supports RDM protocol that allows feedback to make changes to menu map options.



- The <u>Operation</u> 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, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: <a href="https://www.chauvetprofessional.com">www.chauvetprofessional.com</a>.



## Mounting

Before mounting the product, read and follow the safety recommendations indicated in the <u>Safety Notes</u>. For our CHAUVET Professional line of mounting clamps, go to <a href="https://trusst.com/products/">https://trusst.com/products/</a>.

#### Orientation

Always mount this product in a safe position, making sure there is adequate room for ventilation, configuration, and maintenance.

### Rigging

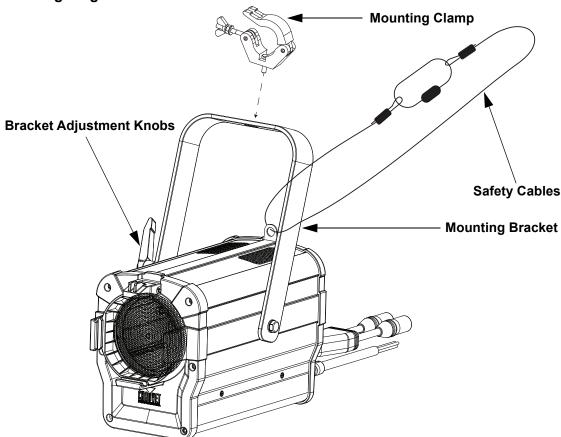
Chauvet recommends using the following general guidelines when mounting this product.

- Before deciding on a location for the product, 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 <u>Technical Specifications</u> 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.

#### **Procedure**

The Ovation F-55WW comes with a bracket to which you can attach a mounting clamp directly. You must supply the mounting clamps. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product. For the CHAUVET Professional line of mounting clamps, go to <a href="http://www.trusst.com/products">http://www.trusst.com/products</a>.

### **Mounting Diagram**





## 4. Operation

## **Control Panel Operation**

Button	Function
<menu></menu>	Exits from the current menu or function
<up></up>	Navigates upward through the menu list or increases the numeric value when in a function
<down></down>	Navigates downward through the menu list or decreases the numeric value when in a function
<enter></enter>	Enables the currently displayed menu or sets the currently selected value in to the current function
Knob 1	Push then turn to increase or decrease the dimmer
Knob 2	Push then turn to increase or decrease the zoom

## **Control Options**

Set the Ovation F-55WW starting address in the 001–512 DMX range. This enables control of up to **102** products in the **5-channel** personality.

## **Programming**

Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

- To go to the desired main level, press **<MENU>** repeatedly until the option shows on the display. Press **<ENTER>** to select. This will take you to the first programming level for that option.
- To select an option or value within the current programming level, press <UP> or <DOWN> until
  the option shows on the display. Press <ENTER> to select. In this case, if there is another
  programming level, you will see that first option, or you will see the selected value.
- Press <MENU> repeatedly to exit to the previous main level.

## Menu Map

Main Level	Programming Lo	evels	Description
DMX Address	Address	001–508	Selects starting address (*highest channel restricted to personality chosen)
	1CH		1-channel: dimmer
DMX Channel	2CH		2-channel: dimmer, strobe
	5CH		5-channel: dimmer, strobe, auto programs, auto speed, control
Static	Dimmer	000-255	Controls intensity
Static	Strobe	000-233	Controls strobe rate
Master/Slave	Master		Master mode
Master/Olave	Slave		Slave mode
	SCurve		Sets the dimmer curve
Dimmer Curve	Linear		
Diffinition Galive	Square		
	Inverse Square		
	Off		Linear dimmer
Dimmer Mode	Dimmer 1		Fast dimmer curve
Diffiller Wode	Dimmer 2		Medium dimmer curve
	Dimmer 3		Slow dimmer curve
	10S		Turns off display backlight after 10 seconds of inactivity
Back Light	30S		Turns off display backlight after 30 seconds of inactivity
	2Min		Turns off display backlight after 2 minutes of inactivity
	Always On		Display backlight always on



Main Level	Programming Levels		Description
	600Hz		Selects the PWM output frequency
	1200Hz		
LED Frequency	2000Hz		
LLD I requeries	4000Hz		
	6000Hz		
	25KHz		
	Fixture Hours	H	Shows total hours the product has been powered on
Information	LED Hours	H	Shows total hours the LED has been powered on
	Version	V	Shows installed software version
	UID		Shows product UID
Factory Setting		No Yes	Reset to factory defaults

## **Configuration (DMX)**

Use control configurations to operate the product with a DMX controller.

### **Control Personalities**

This setting allows you to choose a particular control personality.

- 1. Go to the DMX **Personality** main level.
- 2. Select the desired personality (see table below).

Personality	Channels
1Ch: dimmer	1
2Ch: dimmer, strobe	2
5Ch: dimmer, strobe, auto programs, auto speed, control	5



- See the <u>Starting Address</u> 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.

### **Starting Address**

Each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison.

- 1. Go to the **DMX Address** main level.
- 2. Select the starting address (**001–512**).

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

Personality	Address
5 Ch	508
2 Ch	511
1 Ch	512



## **DMX Values**

## 5Ch

Channel	Function	Value	Percent/Setting	
1	Dimmer	000 ⇔ 255	0-100%	
2	2 Strobe		No function	
_	Ott Obc	011 ⇔ 255	Strobe, slow to fast	
		000 ⇔ 010	No function	
		011 ⇔ 070	Auto Program 1	
3	Auto Programs	071 ⇔ 130	Auto Program 2	
		131 ⇔ 190	Auto Program 3	
		191 ⇔ 255	Auto Program 4	
4	Auto Speed	000 ⇔ 255	0-100%	
		000 ⇔ 007	No function	
		008 ⇔ 015	Dimmer reset	
		016 ⇔ 023	S-curve dimmer	
		024 ⇔ 031	Linear dimmer	
	Control	032 ⇔ 039	Square dimmer curve	
5	(hold for 3	040 ⇔ 047	Inverse square dimmer curve	
	seconds)	048 ⇔ 055	Dimmer speed mode OFF	
		056 ⇔ 063	Dimmer speed 1 (fastest)	
		064 ⇔ 071	Dimmer speed 2	
		072 ⇔ 079	Dimmer speed 3 (slowest)	
		080 ⇔ 255	Reserved for future use	

## 2Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0-100%
2	Strobe	000 ⇔ 010	No function
2	Strobe	011 ⇔ 255	Strobe, slow to fast

## 1Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0-100%



### **Configuration (Standalone)**

Use standalone configuration to operate the product without a DMX controller.

#### Static Mode

The Static mode allows for permanent dimmer, zoom, and strobe presets without a DMX controller.

### **Auto Programs**

Auto programs allow for dynamic blinder effects without a DMX controller.

- 1. Go to the Auto Show main level
- Select the desired auto program (Auto 1-4).
- 3. Select the desired speed (1–100)



The auto programs cannot be edited.

### Master/Slave

The Master/Slave mode allows a group of Ovation F-55WW products (the slaves) to simultaneously duplicate the output of another Ovation F-55WW (the master) without a DMX controller. To set each of the slaves:

- 1. Go to the Master/Slave main level
- Select Slave.

To set the master:

- 1. Go to the Master/Slave main level
- Select Master.
- Select a static setting.



- The master is the one that runs a program whether in Auto or Static mode.
- Do not connect a DMX controller to the products configured for Master/Slave operation.
   The DMX controller may interfere with signals from the master.
- The master should be the first product in the daisy chain.

#### **Dimmer Curve**

To set the dimmer curve, follow the instructions below:

- 1. Go to the Dimmer Curve main level.
- 2. Select the desired option (SCurve, Linear, Square, or Inverse Square).

### **Dimmer Profiles**

This setting determines how fast the output of the Ovation F-55WW changes when you modify the output value. This setting provides four different options to simulate the dimming curve of an incandescent lighting product.

- 1. Go to the **Dimmer Mode** main level.
  - Select a dimmer curve (Off, Dimmer 1, Dimmer 2, or Dimmer 3).



2.

**Off:** The output is proportional (linear) to the dimmer channel value. **Dimmer 1-3:** The output follows the dimmer value based on the corresponding dimmer curve, DIM1 being the fastest.

### **LED Frequency**

This option changes the Pulse Width Modulation (PWM) frequency of the LEDs on the Ovation F-55WW.

- 1. Go to the **LED Frequency** main level.
- 2. Select PWM Frequency (600Hz, 1200Hz, 2000Hz, 4000Hz, 6000Hz, or 25Khz).

### **Back Light**

This setting allows for selection of the amount of time the backlight on the Ovation F-55WW's display stays on after the last button is pressed on the control panel.

- 1. Go to the **Back Light** main level.
- 2. Select 10S (10 seconds), 30S (30 seconds), 2Min (2 minutes), or Always On (remains on).

#### System Information

This option displays the total number of hours the product has run, the installed software version, and the product's UID.

- Go to the Information main level.
- 2. Select Fixture Hours, LED Hours, Version, or UID.

### **Factory Reset**

This option restores the Ovation F-55WW to factory default settings.

- 1. Go to the **Reset Factory** main level.
- 2. Select **No** or **Yes**.



## 5. Technical Information

## **Product Maintenance**

To maintain optimum performance and minimize wear, clean this product frequently. Usage and environment are contributing factors in determining the cleaning frequency.

Clean this product at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean the product:

- 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 vents.
- 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.



Do not spin the cooling fan using compressed air because you could damage it.



# 6. Technical Specifications

## **Dimensions and Weight**

Length	Width	Height	Weight
10.87 in (276.3 mm)	6.81 in (173 mm)	6.53 in (166 mm)	4.8 lb (2.2 kg)

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

### **Power**

Power Supply Type	<b>Range</b> 100 to 240 VAC, 50/60 Hz		Voltage Selection Auto-ranging	
Switching (internal)				
Parameter	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	
Consumption	32 W	36 W	40 W	
Operating Current	0.262 A	0.171 A	0.154 A	
Power I/O	U.S./Worldwide		UK/Europe	
Power input connector	Fixed		Fixed	
Power Cord plug	Edison (U.S.)		Local Plug	

## **Light Source**

Туре	Color	Quantity	Power	Current	Lifespan
LED	WW	1	36 W	740 mA	50,000 hours

### **Photometrics**

Parameter	Value	
Beam Angle	20.1° to 61.4°	
Field Angle	31.5° to 75°	
Zoom Range	20° to 75°	
Illuminance @ 5 m (31.5°)	313 lux	
Illuminance @ 5 m (75.1°)	97 lux	

### **Thermal**

## **Maximum External Temperature**

113 °F (45 °C)

## **DMX**

I/O Connector	Channel Range	
5-pin XLR	1, 2, or 3	

## Ordering

Product Name	Item Name	Item Code	UPC Number
Ovation F-55WW	OVATIONF55WW	03031385	781462217334









## Returns

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.

To submit a service request online, go to <a href="https://www.chauvetprofessional.com/service-request">www.chauvetprofessional.com/service-request</a>.

Clearly label the package with an 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.

Once you have the RMA number, provide 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**

General Information	Technical Support	
Chauvet World Headquarters		
Address: 5200 NW 108th Ave.	Voice: (844) 393-7575	
Sunrise, FL 33351	Fax: (954) 756-8015	
Voice: (954) 577-4455	Email: <a href="mailto:chauvetlighting.com">chauvetlighting.com</a>	
Fax: (954) 929-5560		
Toll Free: (800) 762-1084	Website: www.chauvetprofessional.com	
Chauvet Europe Ltd		
Address: Unit 1C	Email: <u>UKtech@chauvetlighting.eu</u>	
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Lerma, Edo. de México, CP 52000		
Voice: +52 (728) 690-2010		

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, France, Germany, Benelux, or Mexico, contact the dealer of record.