D-Fi™ 2.4GHz

User Manual

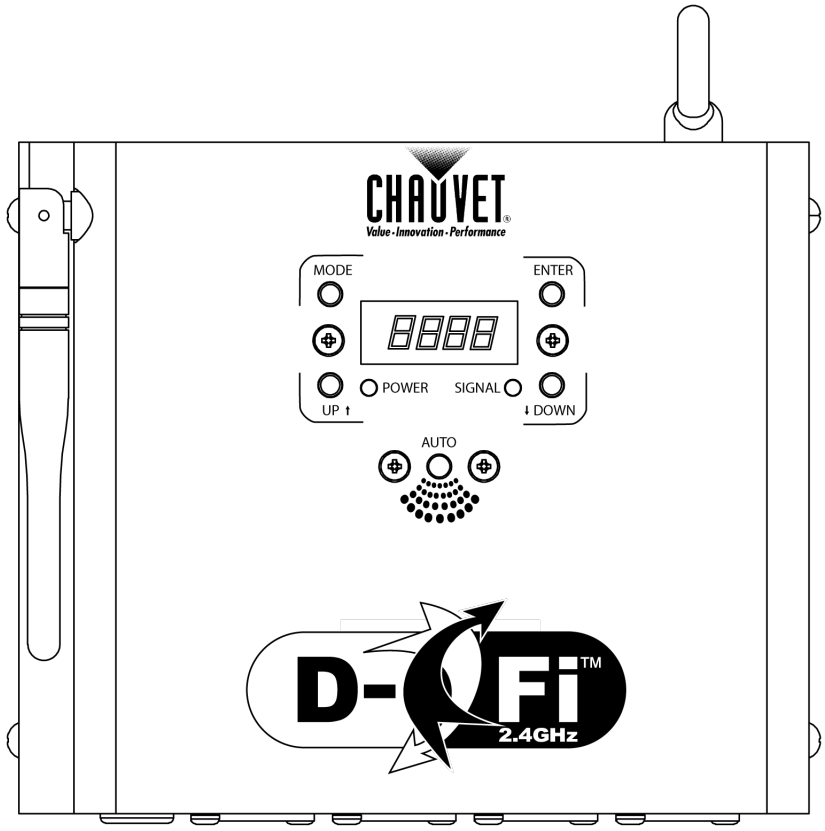

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TABLE OF CONTENTS

1. Before you Begin 3
- What Is Included 3
- Unpacking Instructions 3
  - Claims 3
- Text Conventions 3
- Symbols 3
- Disclaimer 3
- Product at a Glance 4
- Safety Notes 4

2. Introduction 5
- Product Overview 5
- Product Dimensions 6

3. Setup 7
- AC Power 7
- Mounting 7
  - Orientation 7
  - Rigging 7

4. Operation 8
- Control Panel Operation 8
- Menu Map 8
  - Frequencies 8
- Configuration 8
  - Manual Mode 9
  - Automatic Mode 9
  - Miscellaneous Operations 9
- Technical Specifications 10

5. Technical Information 10
- Contact Us 11
- Returns 11

1. BEFORE YOU BEGIN

What Is Included

- D-Fi™ 2.4GHz
- Power Supply
- Warranty Card
- Quick Reference Guide

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
	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

The information and specifications contained in this document are subject to change without notice. CHAUVET® assumes no responsibility or liability for any errors or omissions that may appear in this manual. CHAUVET® reserves the right to update the existing document or to create a new document to correct any errors or omissions.

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Author	Date	Editor	Date
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Product at a Glance

Use on Dimmer	⊘	Auto Programs	⊘
Outdoor Use	⊘	Fixed voltage (120 V or 230 V)	✓
Sound Activated	⊘	Replaceable Fuse	⊘
DMX	✓	User Serviceable	⊘
Master/Slave	⊘	Duty Cycle	⊘

Safety Notes

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

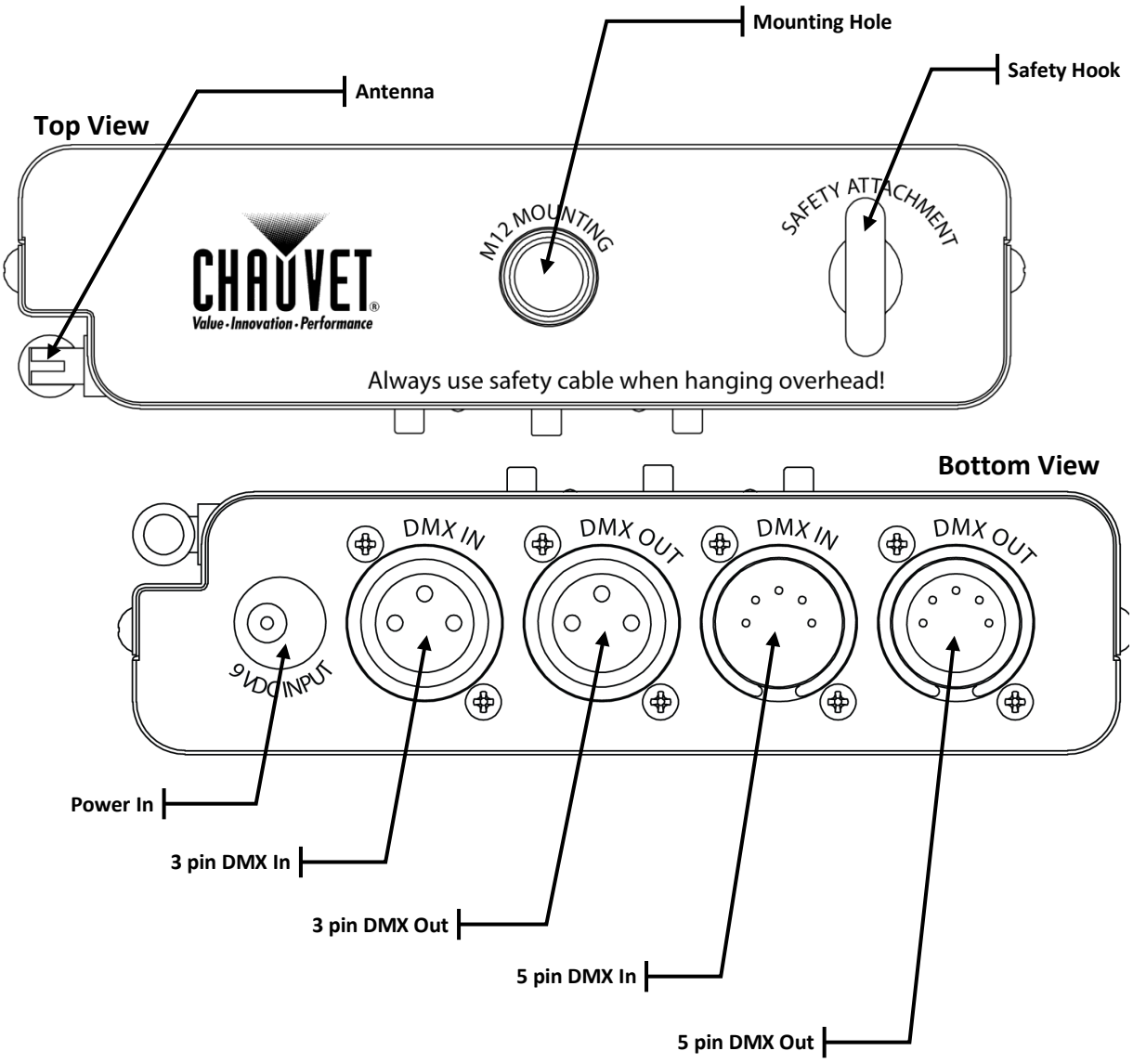
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Make sure the power cord is not crimped or damaged.
- Never disconnect this product from power cord by pulling or tugging on the cord.
- If mounting this product overhead, always secure it to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the unit while operating.

- Always make sure that the voltage of the outlet to which you are connecting this product is within the range stated on the decal or rear panel of the product.
- This product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Never connect this product to a dimmer.
- Never carry this product from the power cord or any moving part.
- The maximum ambient temperature is 104° F (40° C). Do not operate this product at higher temperatures.
- In the event of a serious operating problem, stop using the unit immediately.
- Never try to repair this product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.

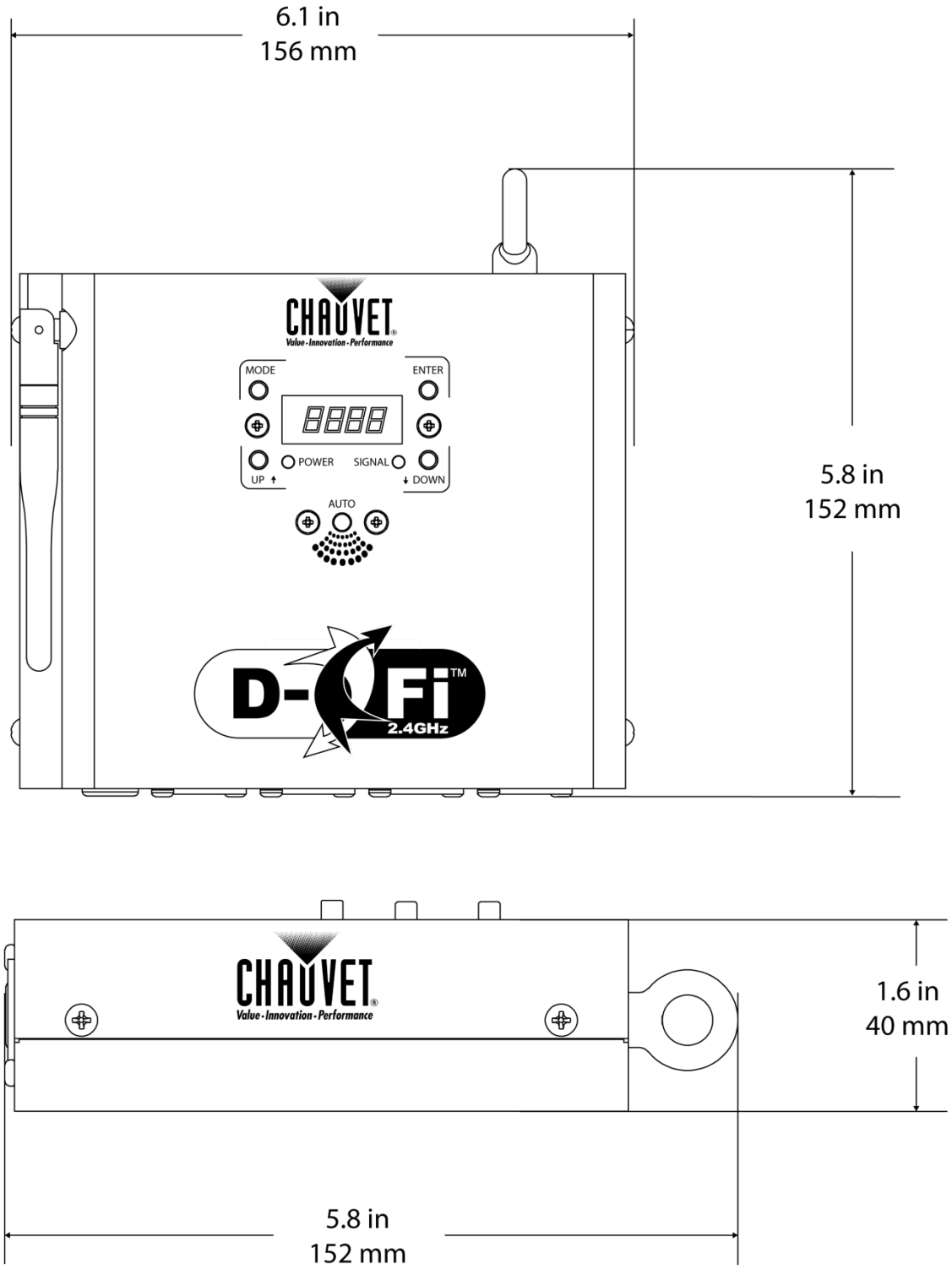
- Keep this User Manual for future consultation. If you sell this product to another user, be sure that they also receive this document.

2. INTRODUCTION

Product Overview



Product Dimensions



3. SETUP

AC Power

This product has an external fixed voltage power supply and it can work with an input voltage of either 115 V, 60 Hz or 230 V, 50 Hz, depending on the specific model.

To determine the power requirements for this product (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 this product to a protected circuit (circuit breaker or fuse), making sure that it has 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 100% switch.

Mounting

Before mounting this product, read and follow the Safety Notes.

Orientation

The D-Fi™ 2.4GHz may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

Before deciding on a location for this product, always make sure that it will be easy to access the unit for maintenance and programming purposes.

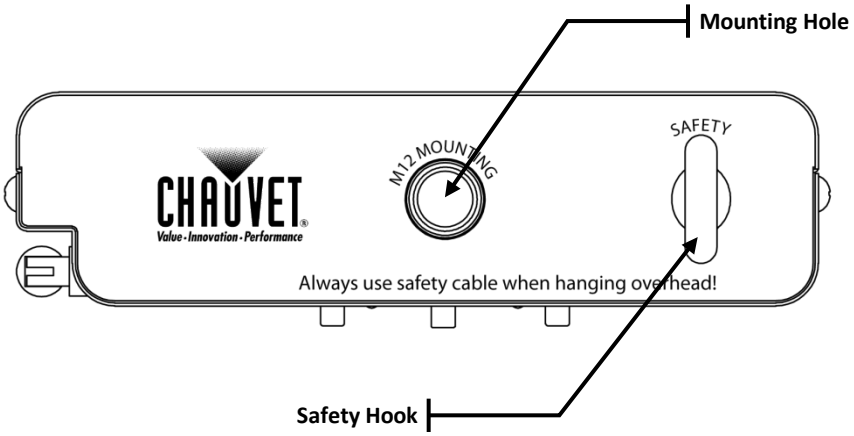
Make sure that the structure onto which you are mounting this product can support its weight. See the Technical Specifications for weight information.

When mounting this product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.

When rigging this product onto a truss, you should use a mounting clamp of appropriate weight capacity. The bracket has a 12-mm hole, which is appropriate for this purpose.

The product also has 2 teardrop holes located on the back for easy wall mounting.

Mounting Diagram



4. OPERATION

Control Panel Operation

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

Button	Function
<MODE>	Press to find an operation mode or to back out of the current menu option
<ENTER>	Press to activate a menu option or a selected value
<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

Menu Map

Mode	Programming Steps		Description
Receive Mode	**r001**	**001-016**	Sets Receive Mode channel
Transmit Mode	**t001**	**001-016**	Sets Transmit Mode channel

Frequencies

Channel	Frequency (in Ghz)
1	2.433
2	2.4362
3	2.4394
4	2.4426
5	2.4458
6	2.449
7	2.4522
8	2.4554
9	2.4586
10	2.4618
11	2.465
12	2.4682
13	2.4714
14	2.4746
15	2.4778
16	2.481

Configuration

To set this product in DMX mode:

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

Manual Mode

To operate the product in manual mode, do the following:

1. Press **<MODE>** to switch between Transmitter (t) or Receiver (r), then press **<ENTER>** to save the setting.
2. While the Transmitter or Receiver is flashing, press the **<UP>** or **<DOWN>** buttons to select your desired frequencies.
3. Press **<ENTER>** to store the selected frequency before the Transmitter (t) or Receiver (r) stops flashing. The (t) or (r) symbol on the display will flash for 20-40 seconds.

Automatic Mode

To operate the product in automatic mode, do the following:

1. Press **<AUTO>** to enter Auto Mode on both units.
2. Press and hold **<AUTO>** on the first unit, which will be the Transmitter (t).
3. Press **<AUTO>** twice on the second unit, which will be the Receiver (r).
4. Press **<ENTER>** to store your choice. You are now in "Auto Mode".
5. In Auto Mode, press and hold **<AUTO>** on the Transmitter for 8-10 seconds to scan for the clearest channel and to sync your receivers to the Transmitter.

Auto scan syncing must be done within a distance of 10 meters (32.81 ft).

Miscellaneous Operations

To auto scan and sync receivers:

1. In Auto Mode, press and hold **<AUTO>** for 8-10 seconds to scan for the clearest channel and to sync the Receiver(s) to the Transmitter. The LED display will flash, acknowledging the sync.

To check which frequency you are using:

1. Press **<ENTER>** while the Transmitter and Receiver(s) are synced. The frequency will show on the LED display.

To clear the receiver, do the following:

1. On the receiver, press and hold **<AUTO>** for 5 seconds. The stored frequency will be cleared. The (t) or (r) symbol on the display will flash for 20-40 seconds.

To connect multiple receivers after system setup using Manual mode:

1. Clear the receiver: On the receiver, press and hold **<AUTO>** for 5 seconds. The stored frequency will be cleared. The (t) or (r) symbol on the display will flash for 20-40 seconds.
2. Operate the product in Manual mode:
   a. Press **<MODE>** to switch between Transmitter (t) or Receiver (r), then press **<ENTER>** to save the setting.
   b. While the Transmitter or Receiver is flashing, press the **<UP>** or **<DOWN>** buttons to select your desired frequencies.
   c. Press **<ENTER>** to store the selected frequency before the Transmitter (t) or Receiver (r) stops flashing. The (t) or (r) symbol on the display will flash for 20-40 seconds.

You can sync an unlimited amount of Receivers to one Transmitter.

To ensure strong signals, the units should be elevated 5 feet or higher off the ground and remain in an unobstructed line of sight of each other.

For the best results, add individual receivers use Manual mode to ensure you can select the same frequency for the additional products.

5. TECHNICAL INFORMATION

Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
5.8 in (152 mm)	6.1 in (156 mm)	1.6 in (40 mm)	1 lbs (.5 kg)

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

Power

Power Supply Type	Range	Input Voltage
External	100~240 V, 50/60 Hz	9 V DC 500 ma

Wireless

RF Output	Refresh Rate	Frequency Range
18.5 dbm max range 230 m	15 Hz/s	2.433–2.481 GHz

Thermal

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

DMX

I/O Connectors	Connector Type
3- and 5-pin XLR	Sockets

Ordering

Product Name	Item Code	Item Number
D-Fi™ 2.4GHz	02080308	DFI2.4GHZ

To return a product or request support:

- If you live in the U.S., contact CHAUVET® World Headquarters (see below).
- If you live in the UK or Ireland, contact CHAUVET® Europe Ltd.(see below).
- If you live in any other country, DO NOT contact CHAUVET®. Instead, contact your distributor of record. Refer to our Web site for contact details of distributors outside the US, United Kingdom, or Ireland.

Contact Us

World Headquarters
CHAUVET®
General Information
Address: 5200 NW 108th Avenue
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Technical Support
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World Wide Web
www.chauvetlighting.co.uk

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 Web site for contact details.

Returns

Call the corresponding CHAUVET® Tech 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.

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

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
- The 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).