



## DMX-DFI User Manual



## Snapshot

Ok on Dimmer	⊘
Outdoor OK	⊘
Sound Activated	⊘
DMX512	✓
Master/Slave	⊘
115V/230V Switch	⊘
Replaceable Fuse	⊘
User Serviceable	⊘
Duty Cycle	⊘

# 1. BEFORE YOU BEGIN

## Unpacking Instructions

Immediately upon receiving a product, 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.

**Note:** If you should require sending any items back to CHAUVET, call CHAUVET for a Return Authorization (RA) number. The factory will not allow any shipments without an RA#.

### Your shipment includes the following:

- 1 x D-Fi™
- 1 x Power adapter
- Warranty Card
- Users Manual

## Important Safety Information

**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.*

**Caution!** *Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

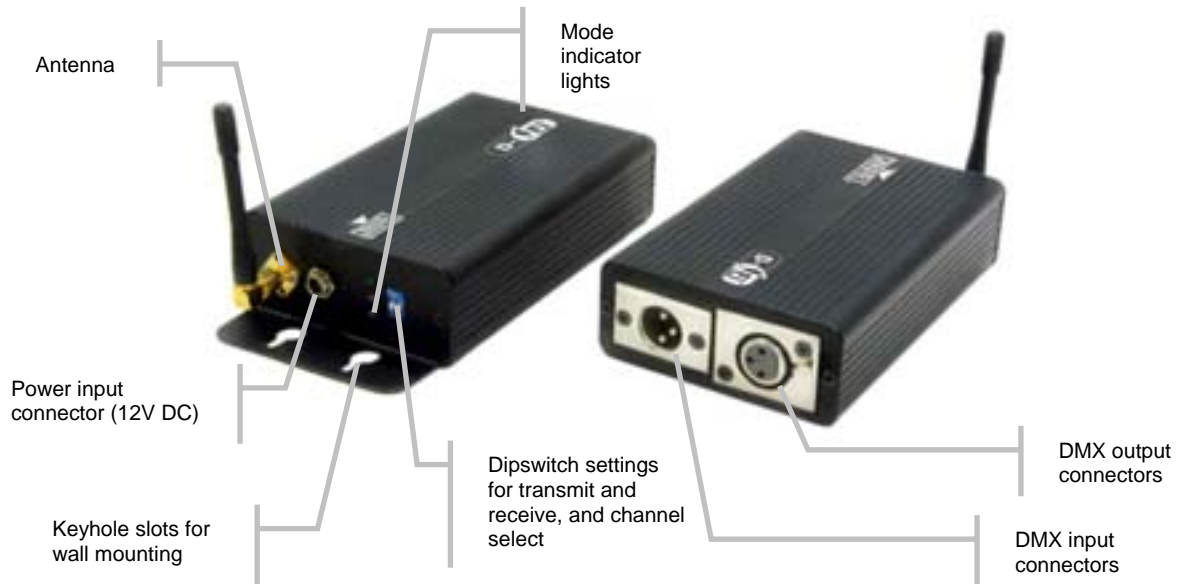
**Caution!** *This unit can only be used for point-to-point operation. Point-to-multipoint systems, omnidirectional applications and multi co-located intentional radiators transmitting the same information are not allowed.*



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# 2. INTRODUCTION

## Product Overview



**Note: Picture is for illustrative purposes only. Units are sold individually. (1 unit per package)**

# 3. SETUP

## AC Power

- Warning!** *Verify that the voltage requirement label on your unit matches the line voltage applied. All devices must be connected to circuits with a suitable Earth Ground.*
- To determine the power requirements for a particular unit, see the label affixed to the back plate of the unit or refer to the unit's specifications sheet.
  - All devices must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.
  - Before applying power to a fixture, check that the source voltage matches the fixture's requirement. This information is located on the power adaptor that is included with your unit.

## Dipswitch Chart

DIPSWITCHES		FUNCTION
1	2	
Off	Off	Transmitting on frequency 1
Off	On	Transmitting on frequency 2
On	Off	Receiving on frequency 1
On	On	Receiving on frequency 2

# 4. OPERATING INSTRUCTIONS

Any number of D-Fi™ units can be used together in a given venue. These instructions will explain how to properly set up a D-Fi™ system.

**Note:** Since D-Fi™ units can operate on two separate frequencies, it is possible to have two D-Fi™ systems operating independently of each other in one venue. A system is simply one transmitter and one or more receivers operating on the same frequency. Frequency 1 is 915 MHz, frequency 2 is 916 MHz.

- 1) One D-Fi™ unit must be designated as the transmitter. This unit must be connected to either a universal DMX controller, to the output coming from a fixture in a DMX daisy chain, or any DMX fixture operating as the master in master/slave mode. Set this unit to transmit by turning off dipswitch 1.
- 2) Set the transmitter to either frequency 1 or frequency 2 by setting dipswitch 2 (Off = frequency 1, On = frequency 2).
- 3) Any other D-Fi™ units operating on the same frequency must be set to receive. Setting more than one unit to transmit on the same frequency may cause erratic and undesired operation.

## Indicator Lights

There are three indicator lights near the dipswitches of the unit.

Light	Status	Transmitter Unit	Receiver Unit
Power /DMX	Solid	No DMX signal on DMX input	Error. Turn the unit off, then back on.
	Blinking	Transmitting DMX wirelessly	Receiver is outputting DMX on the DMX out jack***
T/R	Green Solid	Unit is incorrectly set to receiver	Not receiving signal from transmitter
	Green Blinking	Unit is incorrectly set to receiver	Receiving signal from transmitter
	Red Solid	Error. Turn the unit off, then back on.	Error. Turn the unit off, then back on.
	Red Blinking	Transmitter on	Unit is incorrectly set to transmitter
F1/F2	Green	Frequency 2 selected	Frequency 2 selected
	Red	Frequency 1 selected	Frequency 1 selected

\*\*\*Note: The receiver will output a standard DMX signal even if it is not receiving DMX data wirelessly from the transmitter. If the receiver is not receiving a signal from a transmitter, it will repeatedly output the last set of DMX values it received. If the receiver is powered on before the transmitter, it will simply output zero for each DMX frequency value.

## Troubleshooting

- 1) If the Power/DMX light isn't blinking on the transmitter, check to make sure it is connected to a DMX controller, to the output coming from a fixture in a DMX daisy chain, or any DMX fixture operating as the master in master/slave mode.
- 2) If the T/R light isn't blinking red on the receiver, check to make sure it is set to receive mode by turning on dipswitch 1. If this doesn't work, turn off the receiver unit, and then turn it on.
- 3) If the T/R light isn't blinking green on the receiver, check to make sure it is set to the same frequency as the transmitter. If the F1/F2 light on the transmitter and light 3 on the receiver are different colors, change dipswitch 2 on either the transmitter or the receiver to correct the problem.
- 4) If no lights are on or blinking, check to make sure the power adapter is plugged in securely to the unit.

**If none of the above solutions solved the problem, please contact Chauvet tech support at: (954) 929-1115 (option 4). Or e-mail them at: [tech@chauvetlighting.com](mailto:tech@chauvetlighting.com)**

# 5. APPENDIX

## 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 Authorization Number (RA #). Products returned without an RA # will be refused. Call CHAUVET and request an RMA # 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.

## Technical Specifications

### WEIGHT & DIMENSIONS

Length..... 6.5 in (165 mm)  
Width ..... 3.5 in (89 mm)  
Height ..... 1.5 in (38 mm)  
Weight ..... 0.8 lbs (0.36 kg)

### POWER

Operating Voltage.....9V DC at 500mA  
Current draw ..... 0.11A at 120V  
Power consumption ..... 13W

### CONTROL & PROGRAMMING

Data input ..... locking 3-pin XLR male socket  
Data output ..... locking 3-pin XLR female socket  
Data pin configuration..... pin 1 shield, pin 2 (-), pin 3 (+)  
Protocols..... DMX-512 USITT  
DMX Channels ..... 512  
Unobstructed operating distance..... 120m (393ft)

### ORDERING INFORMATION

D-FI™ ..... DMX-DFI

### WARRANTY INFORMATION

Warranty ..... 2-year limited warranty

## Technical Support

Address: Service Dept.  
3000 N 29th Ct, Hollywood, FL 33020 (U.S.A.)  
Support (Email): [tech@chauvetlighting.com](mailto:tech@chauvetlighting.com)  
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Fax: (954) 929-5560 - (Attention: Service)  
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