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*American DJ®*

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# MARVEL

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***User Manual***

***CAUTION! Read instructions before installing or plugging unit in.***

## **Introduction**

Congratulations and thank you for purchasing the American DJ Marvel™. The Marvel™ is one of the finest pieces of its kind on the market today. This unit uses a single color/gobo wheel combination for vibrant colors and extravagant gobo patterns. The Marvel™ is a semi intelligent fixture that can run as a stand alone sound active piece or in a Master/Slave mode. This fixture is sound active and can be linked via XLR cables up to 16 pieces. The Marvel™ comes with several built in programs that are best used in multiples of four or more. The Marvel™ also offers you the ability to run with a standard DMX controller. This piece is best used with a fog or haze machine. The Marvel™ comes with a swivel mirror that gives the illusion of X / Y movement, this mirror can be adjusted by hand. The Marvel™ can operate in any of three modes; Stand alone, Master/Slave, or DMX, these will be explained later in this manual. An optional **Marvel/C controller** may be purchased separately that allows the user to Black Out the Marvel™ when used in stand-alone or master/slave modes. This unit is extremely light weight and compact which makes it perfect for mobile DJs, but is also great for small club, bars, bowling centers and roller rinks.

## **Operating Instructions**

### **STAND ALONE:**

1. This function allows a single unit to run to the beat of the music.
2. To activate this mode set dip switches #1 and #10, on the front of unit to the ON position  
(See master fixture on the DIP SWITCH chart on page 4).
3. The optional **Marvel/C controller** may be used for black out.

### **MASTER / SLAVE:**

1. This function allows you to set up several units to operate without a controller.
2. The units will be sound activated and will run built in programs via an internal microphone.
3. To activate this function set one unit, the master unit, dip switches as followed: Set dip switches #1 and #10 to the on position (see the chart on page 4).
4. For additional units (slaves), up to 16 units total, follow the chart on page 4.
5. Connect the units together via XLR cables remembering that the **Male XLR socket is IN** and the **Female XLR socket is OUT**.
6. The optional **Marvel/C controller** may be used for black out.

***Note: In sound active mode the units will go in to blackout mode after 7 seconds if no sound is present, the lamp will shut down 30 seconds later to preserve lamp life.***

### **UNIVERSAL DMX CONTROL:**

1. This function allows you to use a standard DMX controller such as the American DJ Show Designer™ or the American DJ DMX Operator™.
2. The use of a DMX controller will allow you to customize the use of fixtures allowing you independent control of the colors, and mirror movement.
3. This will allow you to create your own programs or use your fixtures as spot lights.

4. The Marvel™ is a two (2) channel DMX fixture. Channel one (1) controls the combination color/gobo wheel and shutter. Channel two (2) controls the mirror movement.
5. When using this fixture with a DMX controller follow the dip switch settings on page 4. If starting at a higher DMX channel follow the standard DMX Binary Code.
6. For help running in DMX operation consult the manual that came with your DMX controller.

## Lamp and Fuse Replacement:

Caution! To avoid the risk of electrical shock or injury never attempt to open up the unit while it is in use. Always disconnect the main power before attempting to replace the lamp or fuse. Remember to always replace with the exact same type lamp and fuse unless otherwise instructed to do so by an authorized American DJ service technician.

**Lamp Replacement:** Remove the two thumb screws that are located on the front cover of the unit to expose the lamp. When the cover has been removed gently pull out the old lamp and remove it from the socket assembly. Replace with a new lamp being sure to only touch the outside of the reflector. Carefully insert the socket assembly back into the unit. Replace the cover and screw in the thumb screw.

## HALOGEN LAMP WARNING!

This fixture is fitted with halogen lamps which are highly susceptible to damage if improperly handled. Never touch lamp with bare fingers as the oil from your hands will shorten lamp life. Also, never move fixture until lamp has had ample time to cool. Remember, lamps are not covered under warranty conditions.

The American DJ Marvel™ comes with a 1 year limited warranty. We recommend filling out the warranty registration card that came with your fixture to validate your warranty. For service please contact your American DJ dealer.

### SPECIFICATIONS:

Model: MARVEL™

Weight: 17lbs.

Size: 14.25" 6" x 6.5"

Lamp: ELC-3 24V/250W Long Life

Fuse: 7A

Supply Voltage: 120V

Working Position: Any Safe position

Colors: Multiple Colors/Split Colors

Gobos: 17 + large & small spot

Mirror: 4-Way Prism Type

Single Color/Gobo wheel

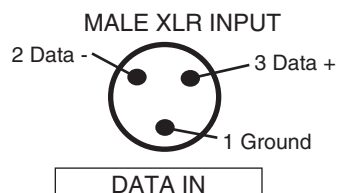
**Specifications subject to change without notice.**

## Stand Alone Master/Slave Dip Switch Settings



When longer runs of cable are used you may need to use a terminator on the last unit. A terminator is a 90 - 120 ohm 1/4 watt resistor which is connected between DATA + and DATA - use an extra male Plug for this and insert in last unit.

### XLR CONNECTIONS



This chart shows the value used to set the desired effect.

The Marvel™ uses 2 DMX channel per unit.

To set the DMX Channel use Binary Code. DMX addressing for fixtures 1 to 16 are listed above.

### CH 1

Blackout	1-7
Gobo 1	8-15
Gobo 2	16-23
Gobo 3	24-31
Gobo 4	32-39
Gobo 5	40-47
Gobo 6	48-55
Gobo 7	56-63
Gobo 8	64-71
Gobo 9	72-79
Gobo 10	80-87
Gobo 11	88-95
Gobo 12	96-103
Gobo 13	104-111
Gobo 14	112-119
Gobo 15	120-127
Gobo 16	128-135
Gobo 17	136-143
Gobo 18	144-151
Gobo 19	152-159
Gobo Scroll	160-191
Strobe	192-255

### CH 2

MIRROR  
MOVEMENT