

American DJ®

Rampage



User Instructions

American DJ Supply
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www.americandj.com

Introduction:

Thank you for purchasing the Rampage™ DMX controller from American DJ®. To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. The American DJ® Rampage™ is a unique intelligent moon flower. This unit can be controlled by a standard DMX controller or can be linked together with several unit to form a synchronized light show. The Rampage comes with 16 gobos plus a spot, several of the gobos have multi-color combinations. This unit has been tested at the factory before being shipped to you, there is no assembly required.

Customer Support:

American DJ provides a toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.americandj.com for any comments or suggestions.

Service Hours are Monday through Friday 10:00 a.m. to 5:00 p.m. Pacific Time.

Voice: (800) 322-6337
Fax: (323) 582-2610
E-mail: support@americandj.com

Warning!

To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture. Clearing memory often may cause damage to the memory chip, be careful not to re initialize your unit frequency often to avoid this risk. Only use the recommended AC/DC power adaptor.

Caution!

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event your unit may require service, please contact your nearest American DJ dealer.

Set Up:

Power Supply: Before plugging your unit in be sure the source voltage in your area matches the required voltage for your American DJ® Rampage.™ The Rampage.™ is available in a 115v and 230v version. Because line voltage may vary from venue to venue, you should be sure to plug your power supply into a matching wall outlet before attempting to operate you controller.

Data Cable (DMX Cable) Requirements:

Your fixture and your controller require a standard 3-pin XLR connector for data input and data output (Figure 1). If you are making your own cables be sure to use standard two conductor shielded cable (This cable may be purchased at almost all pro sound and lighting stores). Your cables should be made with a male and female XLR connector on either end of the cable. Also, remember that DMX cable must be daisy chained and can not be “Y”ed or split.



Figure 1

Notice: Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.

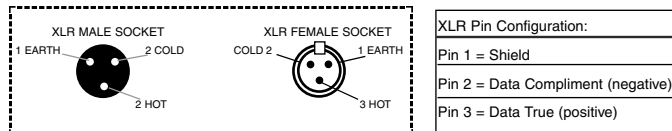


Figure 2

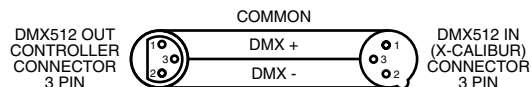


Figure 3

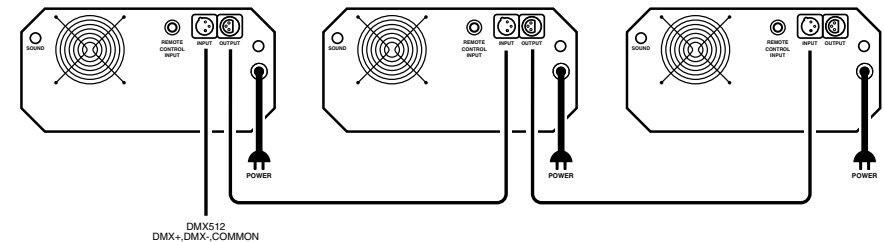
Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 90 - 120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal. (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

Linking:

Your Rampage comes with several built in programs. These programs will automatically run to the beat of music. For a more dramatic effect link several Rampage units together. Each Rampage can act a “Master Unit” that can control up to 15 more units. Link the units together using standard DMX cable. Follow the Master/Slave Dip Switch Chart on page 7 for proper dip switch settings. The built programs are optimized for a four unit chase.



OPERATING INSTRUCTIONS

Stand Alone:

- A. This function is used when use only one unit or running more than one unit as an individual.
- B. Set 1 and 10 on the dip switch to the on position (see “Master - Head 1” on page 3).
- C. Plug the unit in, the unit will react to sound via its own internal microphone.

Master / Slave Operation:

- A. This function will allow you to link up to 16 units together.
- B. In this mode the units will react to sound via the master units built in internal microphone.
- C. The units will also run to the several pre programmed chases.
- D. Use XLR cables to daisy chain the fixtures together. Remembering the female XLR is the output, and the male XLR is the input.
- E. Be sure to follow the chart on page 3.
- F. For longer cable runs we suggest a terminator at the last fixture.

Universal DMX Control:

- 1. This function allows you to us a standard DMX controller such as the American DJ Show Designer™.
- 2. The use of a DMX controller will allow you to customize the use of fixtures allowing you independent control of the colors, speed, and the ability to black out.
- 3. This will allow you to create your own programs or use your fixtures as spot lights.
- 4. The Rampage™ is a DMX two channel fixture; channel one controls the color and shutter, channel two controls the mirror movement.
- 5. When using a DMX controller and setting up for DMX operation follow the dip switch settings on page 3. If starting at a higher DMX channel follow the standard DMX Binary Code for a two (2) channel unit.
- 6. For help running in DMX operation consult the manual that comes with your DMX controller.
- 7. For longer cable runs we suggest using a terminator on the last fixture.

The 1/4” phone plug on the unit is for the optional Rampage/C. Do not attempt to connect an audio signal this jack, this will damage the PC board and void your manufactures warranty!

Lamp Replacement: *Caution! Never open the unit when in use. Always disconnect the main power before attempting to replace the lamp. Remember always replace with the same type lamp and fuse.*

- 1. Be sure to follow the proper procedures when handling halogen bulbs.
- 2. Loosen the screw on trap door located on top of the unit.
- 3. Remove the trap door.
- 4. Remove and replace the bulb.
- 5. Reassemble.

Fixture Cleaning:

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

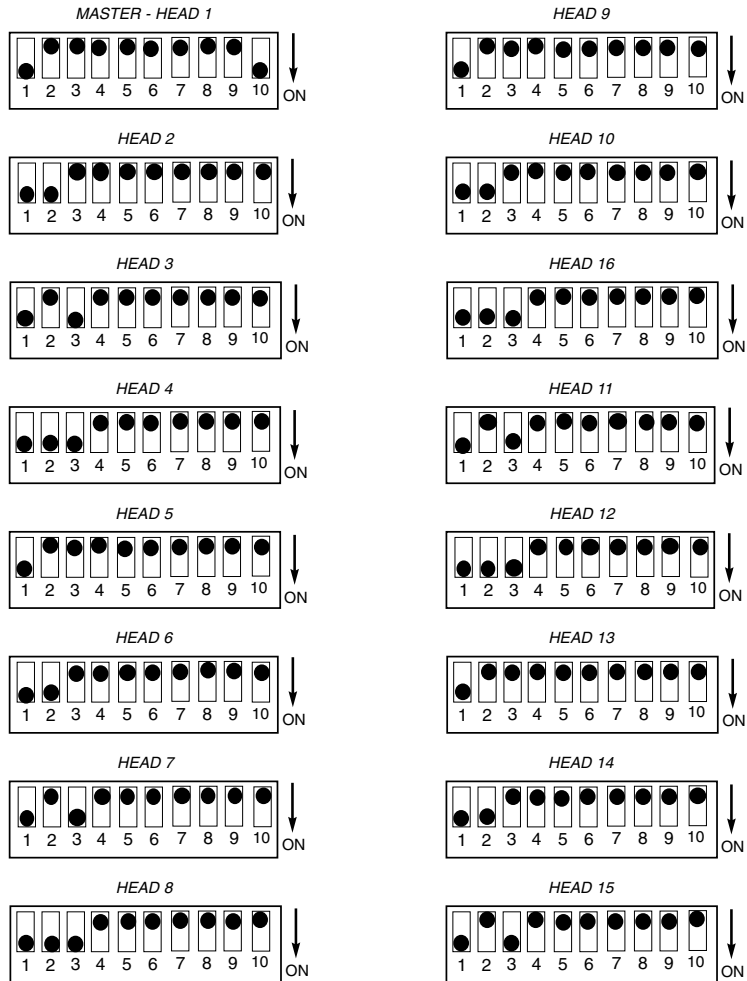
- 1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
- 2. Use a brush to wipe down the fan grill and remove as much built up as possible.
- 3. Clean the external optics with glass cleaner and a soft cloth every 20 days.
- 4. Clean the internal optics with glass cleaner and a soft cloth every 30-60 days.
- 5. Always be sure to dry all parts completely before plugging the unit in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

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

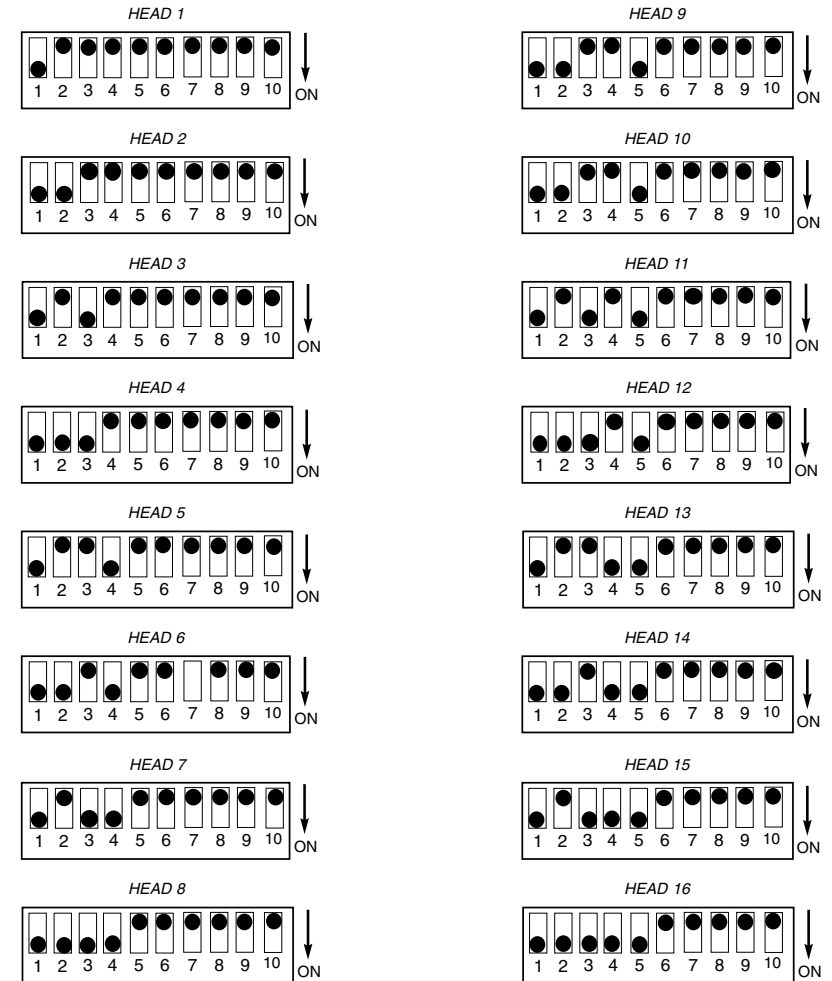
The following chart details the Rampage™ dip switch setting for up to 16 fixtures in a Master/ Slave mode.

DIP SWITCH SETTINGS FOR SOUND ACTIVE MODE (MASTER/SLAVE)



The following chart details the Rampage™ DMX dip switch setting for the first 16 fixtures in DMX mode.

DIP SWITCH SETTINGS FOR DMX MODE

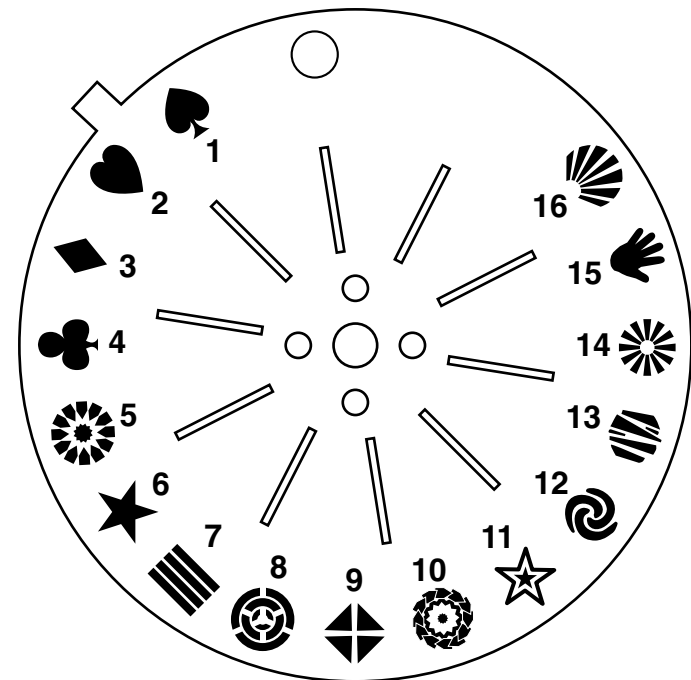


	Channel 1	Channel 2
Value	Gobo / Color	Mirror Rotation
0	Blackout	0°
10	White	
30	Gobo 1/Yellow	
40	Gobo 2/Magenta	
50	Gobo 3 /Blue	90°
60	Gobo 4/Green	
70	Gobo 5/Orange	
80	Gobo 6/Pink	
90	Gobo 7/Aqua	
100	Gobo 8/Green & Pink	180°
110	Gobo 9/Quad Color	
120	Gobo10/Red	
130	Gobo 11/Baby Blue	
140	Gobo 12/Yellow	
150	Gobo 13/Light Green	270°
160	Gobo 14/Baby Blue & Yellow	
170	Gobo 15/Pink	
180	Gobo 16/Magenta & White	
200	Strobe	Rotation
227	Fast Strobe	
230	Chasing	

The Rampage™ uses two DMX channels to operate properly. Channel one (1) controls the Gobo/Color combination wheel and channel two (2) controls the mirror rotation.



Rampage Gobo Wheel Layout



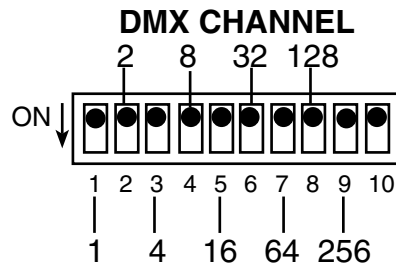
DMX Addressing

DMX means Digital Multiplex. This is a universal binary language used to control intelligent lighting fixtures. Each dip switch number has an ADDRESS based on binary code:

Dip Switch 1 address equals 1
Dip Switch 2 address equals 2
Dip Switch 3 address equals 4
Dip Switch 4 address equals 8
Dip Switch 5 address equals 16
Dip Switch 6 address equals 32
Dip Switch 7 address equals 64
Dip Switch 8 address equals 128
Dip Switch 9 address equals 256

Dip Switch 10 is used to control the Master/Slave operation. Turning dip switch 10 on will activate that unit as a "Master Unit."

DMX Channel Value



Model: Rampage™

SPECIFICATIONS:

Voltage:	120V / 220V
Lamp:	ELC-3 24v / 250w
Dimensions:	12.25" x 5.5" x 11"
Weight:	20 lbs.
Fuse:	5A
Working Position:	Any safe position
Cooling:	Fan Cooled
Duty Cycle:	30 min. ON, 10 min. OFF
Gobos:	16 / Plus Spot - fixed
Colors:	11 - 4 Split - 1 Multi Color