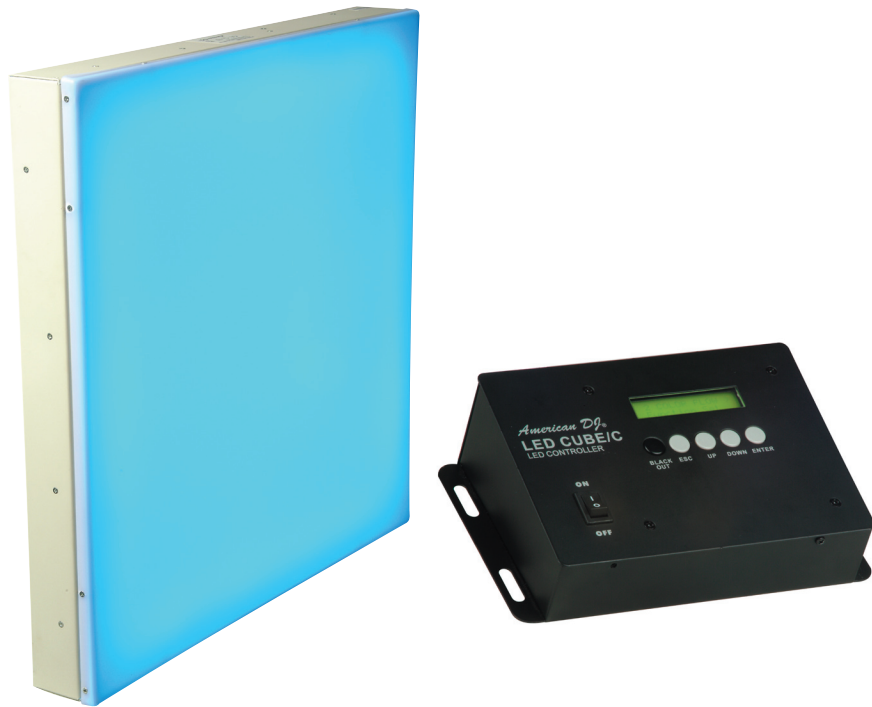


American DJ® LED CUBE/C



User Instructions

American DJ®
4295 Charter Street
Los Angeles, CA. 90058
www.americandj.com

LED Cube/C

Introduction

Introduction: Thank you for purchasing the LED Cube/C by American DJ®. The LED Cube/C is **only** used to control the American DJ® LED Cube (not included). The LED Cube/C come with 18 different programs, including static colors, and flowing chases, and strobing. The speed in which this unit chases and strobes is adjustable. You can also connect the LED Cube/C to a DMX controller and design your own programs. This system is great for displays, mood, architectural, interior decoration, and clubs.

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. For service related issue please contact American DJ®. Service Hours are Monday through Friday 9:00 a.m. to 5:00 p.m. Pacific Standard Time.

Voice: (800) 322-6337

Fax: (323) 582-2941

E-mail: support@americandj.com

To purchase parts online visit <http://parts.americandj.com>

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer's warranty. In the unlikely event your unit may require service please contact American DJ®.

PLEASE do not discard the shipping carton in the trash. Please recycle when ever possible.

LED Cube/C

General Instructions

Please carefully read and understand the instructions in this manual thoroughly before attempting to operate this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

LED Cube/C

Unpacking

Every LED Cube/C has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit have arrived intact. In the event damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Please do not return this unit to your dealer without first contacting customer support.

LED Cube/C

Features

- DMX Adjustable Speed and Flash (Strobe) controls
- 18 Internal Programs
- Light Weight, Compact Case Design.
- Built-In Mounting Plate.
- Low Power Consumption.

LED Cube/C

Warranty Registration

The LED Cube/C carries a 1 Year (365 Days) limited warranty. We recommend you fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Please contact American DJ® customer support for a R.A. number.

LED Cube/C

Precautions

- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet matches that of the required voltage for your unit.
- Do not attempt to operate this unit if the power supply cord has been frayed or broken. Please route your power supply cord away from foot traffic.
- Disconnect from main power before making any type of connection.
- There are no user serviceable parts inside.
- Never plug this unit in to a dimmer pack
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit if it becomes damaged in any way.
- Never operate this unit when it's front cover is removed.
- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-Cord Protection - Power-supply cords should be routed so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords a plugs, convenience receptacles, and the point where they exit from the fixture.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. Use a dry cloth to wipe down the Rainbow Cube.
- Heat -The fixture should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the appliance.
 - C. The appliance has been exposed to rain or water.
 - D. The fixture does not appear to operate normally or exhibits a marked change in performance.

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your American DJ® LED Cube/C. The American DJ® LED Cube/C are available in a 120v and 220v version. Because line voltage may vary from venue to venue, be sure to plug your fixture into a wall outlet with a matching power supply before attempting to operate.

Operating Modes and Set Up:

LED Cube/C Control: This will allow you to control your LED Cubes with the LED Cube/C. You can choose one of the 18 programs to run, and control the speed and strobe effect of each program. In the “2 Color Chase” and “2 Color Flow” programs you can control the color sort. **NOTE: The 5-pin cable is the LED Cube/C/DMX-512 signal cable, and the 3-pin cable is the power supply cable. The first LED Cube in a chain must be connected to a power source.**

1. Start by daisy chaining the LED Cubes together. Attached to each LED Cube is a Male 5-pin connector and a Female 5-pin connector. Use the attached 5-pin cables to link your units together. Remember that the Male 5-pin connector is the input and the Female 5-pin connector is the output. The first unit in the chain will use the female 5-pin connector only. The last unit in the chain will use the male 5-pin connector only.
2. You will also have to link the 3-pin power cords to each other, as you did with the 5-pin cables.
3. The LED Cubes connect to the LED Cube/C by the 3-pin cables that are attached to the LED Cubes.
4. Connect the first LED Cube in your chain to the 3-pin Output connection on the LED Cube/C.

Note: You should ONLY link up to 140 LED Cubes to one power source. If more LED Cubes are being used you can continue to link them by the 5-pin cables but you should use more than one power source.

5. After you set up your complete system, switch on the power to the LED Cube/C.
6. Press the UP or DOWN buttons until “SYSTEM MODE” is displayed, and press the ENTER button.
7. “FIXTURE AMOUNT” is displayed, press ENTER.

NOTE: When setting the “FIXTURE AMOUNT” each LED Cube

counts as TWO tubes. Example if you have one LED Cube attached, set the amount to TWO, if you have TWO LED Cubes attached set the amount to FOUR, and so on...

8. Now you can press the UP or DOWN buttons to adjust the quantity of LED Cubes that you have in the chain. Press the ENTER button to lock the number into the controller, and press ESC.

NOTE: You must change the quantity when you add an LED Cube or take away an LED Cube.

9. After you have set the quantity of LED Cubes, you can press the UP or DOWN buttons to scroll through the different programs. See page 7 for a list of the programs. Find your desired program and press the ENTER button. To scroll through the adjustable features press the UP or DOWN buttons.
10. Select the feature you would like to adjust and press the ENTER button. Press the UP and DOWN buttons to adjust the feature. When you are done adjusting the feature press ENTER. When you are finished with all your adjustments press the ESC button.

NOTE: Programs 2-8 do not have adjustable features.

11. **Run Speed:** the adjustment can be 0 - 100, 0 is the slowest speed and 100 being the fastest speed.

Flash: (strobing) adjustment is 0 - 100, 0 is the slowest strobe speed, and 100 being the fastest strobe speed.

Universal DMX Control: This mode allows you to use a universal DMX-512 controller such as the Elation® DMX Operator™ or Show Designer™. Channel 1 controls the different programs, channel two will control speed, channel three will control the strobe function, and channel 4 will control color sort when channel 1 is set to “2 Color Chase” or “2 Color Flow”. **NOTE: Once a DMX signal is established, the MODE button will not work. Only the ENTER, UP and DOWN buttons will work, these buttons are used to set or change the DMX address.**

1. To control the LED Cubes in DMX mode, follow set-up procedures 1-4 under **LED Cube/C Control**, as well as the set-up procedures included with your DMX controller.
2. Connect your DMX controller to the LED Cube/C XLR Input connection.
3. Press the ENTER button to change the address, press UP or DOWN buttons to find your desired address, then press the EN-

LED Cube/C **Operation cont.**

TER button to lock the address into the system.
 4. The LED Cubes use four DMX channels. See page 8 for a detailed description of the DMX traits. Use your DMX controller to activate the programs and chases.

LED Cube/C **Programs**

1	AUTO RUN
2	STATIC RED
3	STATIC GREEN
4	STATIC BLUE
5	STATIC YELLOW
6	STATIC PURPLE
7	STATIC CYAN
8	STATIC WHITE
9	COLOR CHANGING
10	SLOW FLOW 1
11	SLOW FLOW 2
12	ROLL CHASE 1
13	ROLL CHASE 2
14	MULTI COLOR
15	FAST FLOW 1
16	FAST FLOW 2
17	2 COLOR CHASE
18	2 COLOR FLOW
19	DMX 512 MODE

LED Cube/C **DMX Traits**

Channel	Value	PROGRAM SELECTION
1 ↓	0 - 5	BLACKOUT
	13 - 25	AUTO RUN
	26 - 38	STATIC RED
	39 - 51	STATIC GREEN
	52 - 64	STATIC BLUE
	65 - 77	STATIC YELLOW
	78 - 90	STATIC PURPLE
	91 - 103	STATIC CYAN
	104 - 116	STATIC WHITE
	117 - 129	STATIC COLOR CHANGE
	130 - 142	SLOW FLOW 1
	143 - 155	SLOW FLOW 2
	156 - 167	ROLL CHASE 1
	168 - 179	ROLL CHASE 2
	180 - 191	MULTI COLOR
	192 - 203	FAST FLOW 1
	204 - 215	FAST FLOW 2
	216 - 227	2 COLOR CHASE
	228 - 239	2 COLOR FLOW
240 - 255	COLOR FADE	
2	0 - 255	SPEED SLOW → FAST
3	0 - 255	STROBE SPEED SLOW → FAST
4	0 - 255	COLOR SORT

Channel 4 will control color sort when channel 1 is set to “2 Color Chase” or “2 Color Flow”.

Static Colors will NOT strobe.

Listed below are a few common problems and solutions you should try before contacting customer support.

The beginning of the LED Cubes work but the end cubes do not work;

1. Check the cube quantity setting on the LED Cube/C.
2. Check the connection of the first blacked out LED Cube.
3. Change the blacked out LED Cube, it could be dead.

Some LED Cubes do not work but others do;

1. Change the blacked out LED Cube.

Certain parts of a LED Cube do not work;

1. Change the LED Cube.

The LED Cubes cannot be controlled by the LED Cube/C;

1. Change the LED Cube/C.
2. The area might have a strong interference signal.

Neither the LED Cubes or LED Cube/C are working;

1. Change power outlets.
2. Change the LED Cube/C

The LED Cubes are not functioning properly using a DMX Controller;

1. Turn the LED Cube/C off and then back on.

1 YEAR LIMITED WARRANTY

A. American DJ® hereby warrants, to the original purchaser, American DJ® products to be free of manufacturing defects in material and workmanship for a period of 1 Year (365 days) from the date of purchase. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the American DJ® factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, American DJ® will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, American DJ® shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which American DJ® concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the American DJ® factory unless prior written authorization was issued to purchaser by American DJ®; if the product is damaged because not properly maintained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, American DJ® will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of American DJ® under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of American DJ®. All products covered by this warranty were manufactured after January 1, 1990, and bear identifying marks to that effect.

E. American DJ® reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by American DJ® in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall American DJ® be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

G. This warranty is the only written warranty applicable to American DJ® Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

H. Lamps are not covered under this or any other warranty either written or implied.

Model: LED Cube/C

Voltage*:	120v~60Hz or 220v~50Hz
Dimensions:	5.0" (L) X 8.5" (W) X 2.5"(H)
Working Position:	Any Safe Position
Weight:	2.0 lbs/ 1.0 Kgs.
Warranty:	1 Year (365 Days)

* Voltage is preset at the factory and is not user selectable.

Model: LED Cube

Voltage*:	120v~60Hz or 220v~50Hz
Dimensions:	23" (L) X 23" (W) X 4"(H)
Working Position:	Any Safe Position
Weight:	10.5 lbs/ 4.8 Kgs.
Warranty:	1 Year (365 Days)

* Voltage is preset at the factory and is not user selectable.

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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American DJ® World Headquarters:

4295 Charter Street Los Angeles, CA 90058 USA

Tel: 323-582-2650 / Fax: 323-582-2610

Web: www.americandj.com / E-mail: info@americandj.com