FREQ MATRIX QUAD

User Instructions

Unpacking: Thank you for purchasing the FREQ Matrix Quad by ADJ Products, LLC. Every FREQ Matrix Quad 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 fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Introduction: The FREQ Matrix Quad is part of ADJ's continuing pursuit for creating high quality affordable intelligent fixtures. The FREQ Matrix Quad is a revolutionary 16-zone LED strobe. The unit has 3 operating modes; Sound Active, Show Mode, or DMX Control. This unit can be used as a stand alone fixture, or in a Master/Slave configuration. This fixture is suitable for theaters, studios, retail stores, and other similar locations.

Customer Support: ADJ Products, LLC 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.adj.com for any comments or suggestions. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Pacific Standard Time.

Voice:	(800) 322-6337
Fax:	(323) 582-2941
E-mail:	support@adj.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 manufactures warranty. In the unlikely event your unit may require service please contact ADJ Products, LLC.

PLEASE recycle the shipping carton when ever possible.

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of 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.

FREQ Matrix Quad   **Features**

- Built in Microphone
- 4 DMX Channel Modes: 2 Channel Mode, 5 Channel Mode, 18 Channel Mode, & 64 Channel Mode
- 12 Show Modes
- 4 Operating Modes - Sound Active, Show Mode, Manual Mode, and DMX Control
- Sound Sensitivity Adjustable
- UC3 Remote Control Compatiable (Not Included)
- Power Cord Daisy Chaining. See page 18.

FREQ Matrix Quad   **Warranty Registration**

The FREQ Matrix Quad carries a 3 year (1095 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase and warranty. You may also register your product online at www.adj.com. 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 ADJ Products, LLC customer support for a R.A. number.

FREQ Matrix Quad   **Installation**

The unit should be mounted using a mounting clamp (not provided), affixing it to the mounting bracket that is provided with the unit. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times the unit's weight. Also, always use a safety cable that can hold 12 times the weight of the unit when installing the fixture.
The equipment must be installed by a professional, and it must be installed in a place where it is out of the reach of people's grasp.

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- Do not spill water or other liquids into or on to your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it's cover is removed.
- 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.
- This unit is intended for indoor use only, use of this product out` doors 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-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 17 for cleaning details.
- Heat -The appliance 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 appliance does not appear to operate normally or exhibits a marked change in performance.

Power Supply: The ADJ FREQ Matrix Quad contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source. With this switch there is no need to worry about the correct power voltage, this unit can be plugged in anywhere.

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a DATA "OUT" terminal).

DMX Linking: DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation): The FREQ Matrix Quad has 4 DMX Channel modes. The DMX address is set on the rear panel of the FREQ Matrix Quad. Your unit and your DMX controller require a approved DMX-512 110 Ohm Data cable for data input and data output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all professional 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 cannot be split.

Figure 1

Notice: Be sure to follow figures two and three when making your own cables. 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.
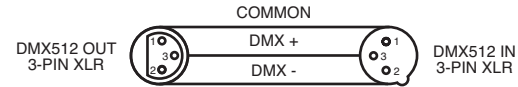
COMMON

DMX512 OUT
3-PIN XLR

DMX +

DMX -

DMX512 IN
3-PIN XLR

Figure 2

XLR Male Socket

1 Ground   2 Cold

3 Hot

XLR Female Socket

2 Cold   1 Ground

3 Hot

Figure 3

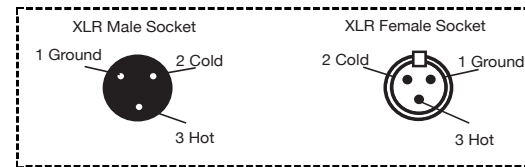| XLR Pin Configuration |
| --- |
| Pin 1 = Ground |
| Pin 2 = Data Compliment (negative) |
| Pin 3 = Data True (positive) |

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 110-120 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 unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.
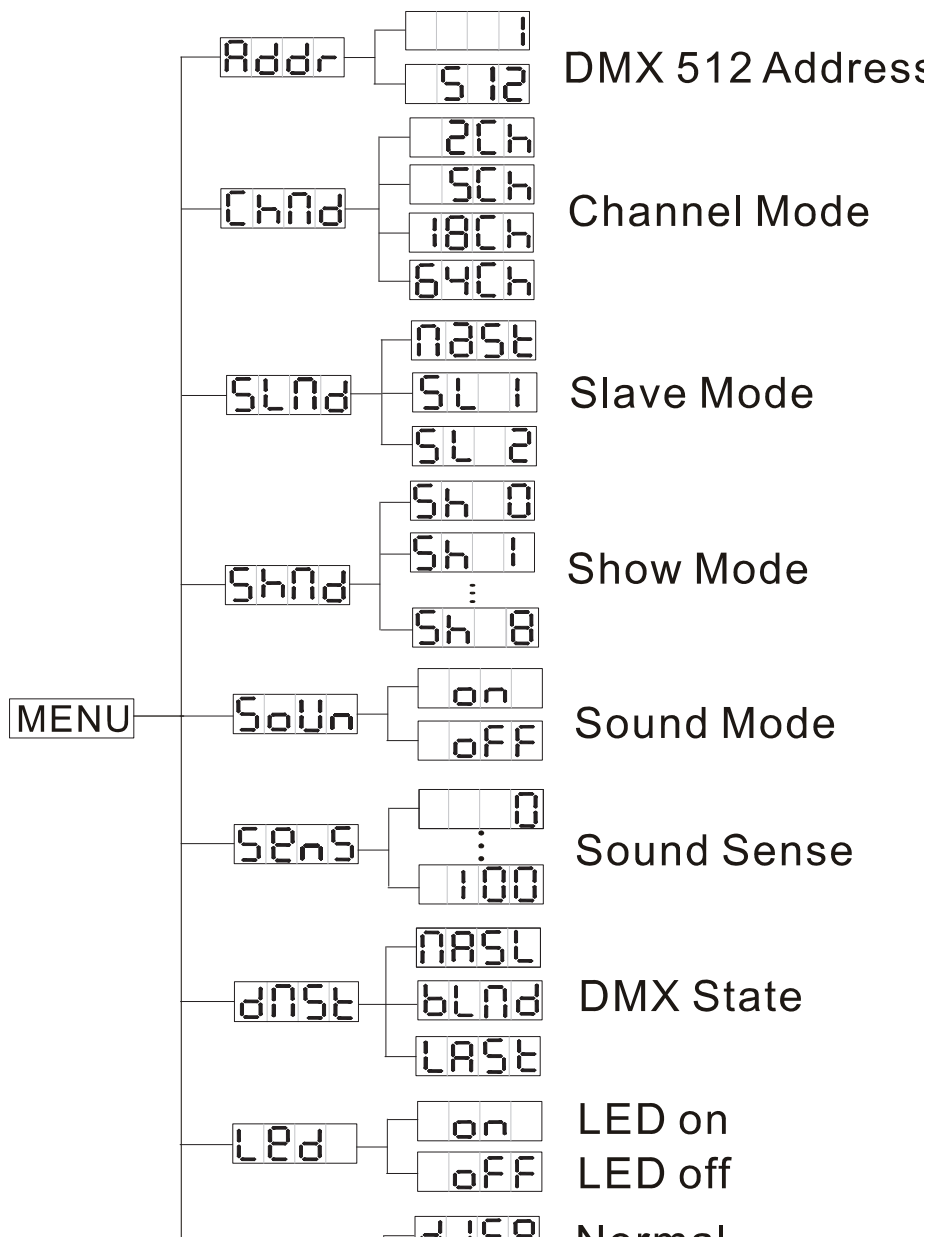
Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.   Figure 4

5-Pin XLR DMX Connectors. Some manufactures use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line. When inserting standard 5-pin data cables in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric stores. The chart below details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

`Addr` → `‗‗‗1` / `512`	DMX 512 Address
`ChNd` → `2Ch` / `5Ch` / `18Ch` / `64Ch`	Channel Mode
`SLNd` → `NaSt` / `SL 1` / `SL 2`	Slave Mode
`ShNd` → `Sh 0` / `Sh 1` ⋮ `Sh 8`	Show Mode
`SoUn` → `on` / `oFF`	Sound Mode
`SenS` → `0` ⋮ `100`	Sound Sense
`dNSt` → `NASL` / `bLNd` / `LASt`	DMX State
`LEd` → `on` / `oFF`	LED on / LED off

MENU

ADDR - **DMX Address Setting via control board -**

1. Press the MENU button until "ADDR" is displayed, press ENTER.

2. "X" will now be displayed, "X" represents the displayed address. Press the UP or DOWN buttons to find your desired address.

3. Press ENTER to confirm, then connect your DMX controller. **NOTE:** If after you connect your DMX controller the unit does not fall into DMX mode, press and hold the MENU button for at least 3 seconds.

CHND - **This will let select your desired DMX channel mode.**

1. Press the either the MENU button until "CHND" is displayed, press ENTER. Either "2CH", "5CH", "18CH" or "64CH" will be displayed

2. Press the UP or DOWN buttons to find your desired DMX channel mode and press ENTER to confim and exit.

SLND - **This will let you set unit as a master or slave in a master/slave configuration.**

1. Press the MENU button until "SLND" is displayed, press ENTER. Either "SL 1" or "SL 2" will be displayed.

2. Press the UP or DOWN buttons until your desired setting is displayed, press ENTER to confim.

NOTE: In a Master/Slave configuration you can set one fixture to Slave 1 (SL 1) and then set the next fixture to Slave 2 (SL 2), in doing this the fixtures will now have contrast movement to each other.

SHND: SH 0 - SH 8 - **Show modes 0 - 8**

1. Press the MENU button until "SHND" is displayed, press ENTER.

2. "SH X" will now be displayed. "X" representing a number between 0-8. Shows 1-8 are preset shows, while "SH 0" is random show. Press the UP or DOWN buttons to find your desired show.

3. Once you have found your desired show press ENTER, and then press and hold the MENU button for at least 3 seconds to confirm.

SOUN - In this submenu you can activate sound active mode.

1. Press the MENU button until "SOUN" is displayed, press ENTER.

2. Either "ON" or "OFF" will now be displayed. Press the UP or DOWN buttons to select one or the other.

3. When you have made your selection, press the ENTER, and then press and hold the MENU button for at least 3 seconds to confirm.

SENS – Sound sensitivity control.

1. Press the MENU button until "SENS" is displayed, press ENTER.

2. The display will show a number between 0-100. Press the UP or DOWN buttons to adjust the sound sensitivity. 0 being the least sensitive and 100 the most sensitive.

3. Press the ENTER, and then press and hold the MENU button for at least 3 seconds to confirm.

DNST - This mode can be used as a precaution mode, that in case the DMX signal is lost, the operating mode chosen in the setup is the running mode the fixture will go into when the DMX signal is lost. You can also set this as the operat-

ing mode you would like the unit to return to when power is applied.

1. Press the MENU button until "DNST" is displayed, press ENTER.

2. Either "MASL", "BLND", or "LAST" will be displayed. Choose an operating mode you would like the unit to start up in when power is applied or the DMX signal is lost.

• MASL (Master Slave) - If the DMX signal is lost or power is applied, the unit will automatically go into Master Slave mode.

• BLND (Blackout) - If the DMX signal is lost or power is applied, the unit will automatically go into stand by mode.

• LAST (Last State) - If the DMX signal is lost the fixture will stay in the last DMX set up. If power is applied and this mode is set, the unit will automatically go into the last DMX set up.

3. Press ENTER to confirm your desired set up.

LED - With this function the LED display will turn off after 2 minutes.

1. Press the MENU button until "LED" is displayed, press ENTER.

2. Either "ON" or "OFF" will now be displayed. Press the UP or DOWN buttons to select "ON" to keep the LED display on at all times, or "OFF" to allow the LED display to turn off after 2 minutes. Press any button to turn the LED display on again.

3. Press ENTER to confirm your selection.

DISP - This will "flip" the LED display

1. Press the MENU button until "DISP" is displayed, press ENTER.

2. When "DISP" is displayed the LED display will remain normal,

when "DSIP" is displayed, the LED display will be "flipped". Use the ENTER button to find your desired display set up, then press MENU to confirm and exit.

TEST - This function will run a self test program.

1. Press the MENU button until "TEST" is displayed, press ENTER.

2. The fixture will now run a self test. Press the MENU button to exit.

TEMP - With this function you can check the current temperature of the fixture.

1. Tap the MENU button until "TEMP" is displayed, press ENTER.

2. The current temperature of the fixture will now be displayed. Press MENU to exit.

FHRS - With this function you can display the running time of the unit.

1. Press the MENU button until "FHRS" is displayed, press ENTER.

2. The running time of the fixture will now be displayed. Press MENU to exit.

VER - This will display the software version

1. Press the MENU button until "VER" is displayed. Press the ENTER button and the software vesion will be displayed.

2. Press the MENU button to leave this function.

Universal DMX Control: This function allows you to use a Elation® universal DMX-512 controller to control the chases and patterns, dimmer and strobe. A DMX controller allows you to create unique programs tailored to your individual needs.

1. The FREQ Matrix Quad has 4 DMX Modes; a 2 Channel Mode, 5 Channel Mode, 18 Channel Mode, & 64 Channel Mode. See pages 14-17 for a detailed description of the DMX traits.
2. To control your fixture in DMX mode, follow the set-up procedures on pages 8-9 as well as the set-up specifications that are included with your DMX controller.
3. Use the controller's faders to control the various DMX fixture traits. This will allow you to create your own programs.
4. Follow the instructions on page 8 to select your desired DMX Mode and to set the DMX address. After you have selected your DMX mode and set the address, then connect your DMX controller.
5. For longer cable runs (more than a 100 feet) use a terminator on the last fixture.
6. For help operating in DMX mode consult the manual included with your DMX controller.

Sound Active Mode: This mode allows a single unit or several units linked together, to run to the beat of the music.

1. Press the MENU button until "SOUN" is displayed, and press ENTER.
2. Press the UP or DOWN buttons until "ON" is displayed and press ENTER, and then press and hold the MENU button to confirm.
3. To adjust the sound sensitivity press the MENU button until "SENS" is displayed. Use the UP or DOWN buttons to adjust sensitivity. See page 9 for more info.
4. The optional *UC3 Controller* (not included) may be used to control different functions including blackout. See page 13 for UC3 controls and functions.

Show Mode: This mode allows a single unit or several units linked together, to run a selected show.

1. Press the MENU button until "SHND" is displayed, and press ENTER.
2. Press the UP or DOWN buttons until you find your desired show,

press ENTER, then press and hold the MENU button to confirm. Please see pages 8-9 for more info about Show Mode.

3. The optional *UC3 Controller* (not included) may be used to control different functions including blackout. See below for UC3 controls and functions.

Master-Slave Operation: This function will allow you to link up to 16 units together and operate without a controller. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units programs. Any unit can act as a Master or as a Slave.

1. Using appropriate XLR cables, daisy chain your units together via the XLR connector on the rear of the units. Remember the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only - The last unit in the chain will use the male XLR connector only. For longer cable runs we suggest a terminator at the last fixture.
2. Set the Master unit to your desired operational mode.
3. On the slave units tap the MENU button until "SLND" is displayed, and Press ENTER. Use the UP or DOWN buttons to switch between either "SL 1" or "SL 2". Once you have made your choice, press ENTER. For more info see page 8.
4. The slave units will now follow the Master unit.
5. The optional *UC3 Controller* (not included) may be used to control different functions including blackout. See UC3 Control below.
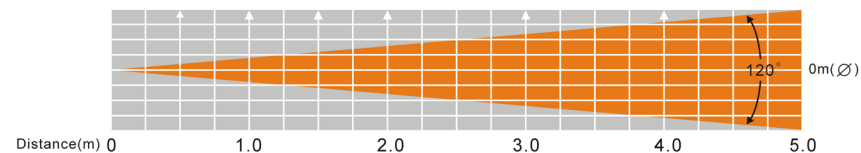
Blackout	Blackout the unit		
Function	Strobe 1. Synchronous strobe in white 2. Sound strobe in white 3. Sound strobe in color	Show1-8	Color1-9 Color10 Sound Change Color
Mode	Strobe (LED OFF)	Manual Color (LED ON)	Show (LED slow blinking)

Channel	Value	Function
1	0 - 255	DIMMER 0% - 100%
2	0 - 15 16 - 255	STROBING OPEN STROBING SLOW - FAST

RGBW	1348	337	150	84	54	
R	388	97	43	24	15.5	
G	589	147	65	37	24	(lux)
B	121	30	13	7.5	5	
W	574	144	64	36	23	

Distance(m) 0   1.0   2.0   3.0   4.0   5.0

120°   0m(∅)

FREQ Matrix Quad		5 Channel Mode
Channel	**Value**	**Function**
1		RED
	0 - 255	0% - 100%
2		GREEN
	0 - 255	0% - 100%
3		BLUE
	0 - 255	0% - 100%
4		WHITE
	0 - 255	0% - 100%
5		STROBING
	0 - 15	OPEN
	16 - 131	STROBING SLOW - FAST
	132 - 139	OPEN
	140 - 181	SLOW OPEN - FAST CLOSE
	182 - 189	OPEN
	190 - 231	FAST OPEN - SLOW CLOSE
	232 - 239	OPEN
	240 - 247	SOUND ACTIVE STROBING
	248 - 255	OPEN

FREQ Matrix Quad		18 Channel Mode
Channel	**Value**	**Function**
1		RED (Top Row)
	0 - 255	0% - 100%
2		GREEN (Top Row)
	0 - 255	0% - 100%
3		BLUE (Top Row)
	0 - 255	0% - 100%
4		WHITE (Top Row)
	0 - 255	0% - 100%
5		RED (2nd Row)
	0 - 255	0% - 100%
6		GREEN (2nd Row)
	0 - 255	0% - 100%
7		BLUE (2nd Row)
	0 - 255	0% - 100%
8		WHITE (2nd Row)
	0 - 255	0% - 100%

FREQ Matrix Quad		18 Channel Mode
Channel	**Value**	**Function**
9		RED (3rd Row)
	0 - 255	0% - 100%
10		GREEN (3rd Row)
	0 - 255	0% - 100%
11		BLUE (3rd Row)
	0 - 255	0% - 100%
12		WHITE (3rd Row)
	0 - 255	0% - 100%
13		RED (4th Row)
	0 - 255	0% - 100%
14		GREEN (4th Row)
	0 - 255	0% - 100%
15		BLUE (4th Row)
	0 - 255	0% - 100%
16		WHITE (4th Row)
	0 - 255	0% - 100%
17		MASTER DIMMER
	0 - 255	0% - 100%
18		STROBING
	0 - 15	OPEN
	16 - 131	STROBING SLOW - FAST
	132 - 139	OPEN
	140 - 181	SLOW OPEN - FAST CLOSE
	182 - 189	OPEN
	190 - 231	FAST OPEN - SLOW CLOSE
	232 - 239	OPEN
	240 - 247	SOUND ACTIVE STROBING
	248 - 255	OPEN

FREQ Matrix Quad		64 Channel Mode
Channel	**Value**	**Function**
1		RED 1
	0 - 255	0% - 100%
2		GREEN 1
	0 - 255	0% - 100%
3		BLUE 1
	0 - 255	0% - 100%
4		WHITE 1
	0 - 255	0% - 100%
5		RED 2
	0 - 255	0% - 100%
6		GREEN 2
	0 - 255	0% - 100%
7		BLUE 2
	0 - 255	0% - 100%
8		WHITE 2
	0 - 255	0% - 100%
Channels 9-56 continue the same RGBW LED Pattern		
57		RED 15
	0 - 255	0% - 100%
58		GREEN 15
	0 - 255	0% - 100%
59		BLUE 15
	0 - 255	0% - 100%
60		WHITE 15
	0 - 255	0% - 100%
61		RED 16
	0 - 255	0% - 100%
62		GREEN 16
	0 - 255	0% - 100%
63		BLUE 16
	0 - 255	0% - 100%
64		WHITE 16
	0 - 255	0% - 100%

FREQ Matrix Quad — Power Cord Daisy Chain

With this feature you can connect the fixtures to one another using the IEC input and output sockets. The quantity that can be connected is 3 fixtures maximum. After 3 fixtures you will need to use a new power outlet. They must be the same fixtures. DO NOT mix fixtures.

FREQ Matrix Quad — Fuse Replacement

Locate and remove the unit's power cord. Once the cord has been removed located the fuse holder located inside the power socket. Insert a flat-head screw driver into the power socket and gently pry out the fuse holder. Remove the bad fuse and replace with a new one. The fuse holder has a built-in socket for a spare fuse be sure not to confuse the spare fuse with active fuse.

FREQ Matrix Quad — 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 a soft cloth to wipe down the outside casing.

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

FREQ Matrix Quad — Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

Unit not responding to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 may be 'hot'). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.

Unit does not respond to sound:

1. Quiet or high pitched sounds will not activate the unit.

If problems are not resolved; Contact ADJ Products, LLC for service.
 1-800-322-6337

MANUFACTURER'S LIMITED WARRANTY

A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). 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 you must obtain a Return Authorization number (RA#) before sending back the product–please contact ADJ Products, LLC Service Department at 800-322-6337.** Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC 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 it's original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC 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 ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; 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 maintnance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear indentifying marks to that effect.

E. ADJ Products, LLC 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.

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 ADJ Products, LLC 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 ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

• **Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED, Laser Products and lamps)
• **Laser Products = 90-Day Limited Warranty**
• **L.E.D. Products = 3-year (1095 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) and batteries which have a 180 day limited warranty). Only the L.E.D.s carry a 3-year warranty

Model: FREQ Matrix Quad

Voltage:	100V~240V 50/60Hz
LEDs:	16 x 8W 4-in-1 RGBW LEDs
Power Consumption:	143W
Fuse:	7Amp
Power Cord Daisy Chain:	3 Fixtures Max.
Weight:	15lbs./ 6.6Kgs.
Dimensions:	12.5" (L) x 6.5" (W) x 13.25" (H)
	310 x 163 x 334mm
Colors:	RGBW
Beam Angle:	120 Degrees
DMX Channels:	4 DMX Channel Modes: 2 Channel Mode, 5 Channel Mode, 18 Channel Mode, & 64 Channel Mode
Working Position:	Any safe working position
Warranty:	3 Years (1095 days)

Auto Sensing Voltage: *This fixture contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source.*

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

ADJ Products, LLC
6122 S. Eastern Ave. Los Angeles, CA 90040 USA
Tel: 323-582-2650 / Fax: 323-725-6100
Web: www.adj.com / E-mail: info@adj.com

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A.D.J. Supply Europe B.V.
Junostraat 2
6468 EW Kerkrade
Netherlands
service@adj.eu / www.adj.eu
Tel: +31 45 546 85 00 / Fax: +31 45 546 85 99