

LED *American DJ*[®] MESSENGER



User Instructions

WARNING! Due to the magnifying type lens, please keep the lens out of contact with direct sunlight. Direct sunlight can cause heat to build up inside of the unit, which will seriously damage unit.

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Rev. 8/08

American DJ[®]

LED Messenger

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Unpacking: Thank you for purchasing the LED Messenger by American DJ®. Every LED Messenger 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 equipment necessary to operate the unit has 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 contacting customer support first.

Introduction: The LED Messenger is a three channel, DMX intelligent, LED personal phrase projector. This fixture can project 15 phrases that can be designed and edited by you. Ten of the 15 phrases are preprogrammed for your convenience, but you can edit over the preprogrammed phrases with your own individual phrases. These preprogrammed phrases can be restored by entering a simple code, that will be explained further in the user manual. Every phrase can include up to 30 characters, and can be stored in the memory to be used for later occasions. The LED Messenger can also project 16 preprogrammed LED patterns. This fixture has four operating modes; Built-In program mode, Auto Run mode, DMX Control, and Sound Active mode.

Customer Support: American DJ® provides a toll free customer support line, to provide 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 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.

Warning! This may cause severe eye damage. Avoid looking directly into the light source at all times!

- 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.
- Be sure that the local power outlet match that of the required voltage for 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 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-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 22 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.

LED Messenger

General Instructions

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.

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®.

American DJ® will not accept any liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to this unit.

LED Messenger

Features

- Create and Edit 15 Phrases - 30 Characters/Letters per Phrase
- 10 Factory Installed Editable Phrases
- 5 Empty Phrase Slots
- 16 Preprogrammed Patterns
- Flash (Strobe) Rate Control
- Phrase Scroll and Program Speed Control
- Built in Microphone
- DMX-512 protocol (Three DMX Channels)
- Stand Alone or Master/Slave Configuration
- 4 Operating Modes - Select Running Program or Phrase, Auto Mode, Sound Active, or DMX Control

LED Messenger

Product Registration

The LED Messenger 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.americandj.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 American DJ® customer support for a R.A. number.

LED Messenger

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® LED Messenger.™ The American DJ® LED Messenger is available in a 120v and 220v version. Because line voltage may vary from venue to venue, you should be sure your unit voltage matches the wall outlet voltage before attempting to operate your fixture. Also be sure to only use the included I.E.C. power cable supplied with the unit, this cable matches the voltage and current requirements of the unit.

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufacturers 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 manufacturers 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. Therefore, the first fixture controlled by the controller could be the last fixture in the chain. 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 and Master/Slave Operation):

The LED Messenger can be controlled via DMX-512 protocol. The LED Messenger is a three channel DMX unit. The DMX address is set electronically using the controls on the rear of the unit. Your fixture and your DMX controller require an approved DMX-512 110 Ohm Data cable for data input and data output (Figure 1). We recommend Accu-Cable DMX cables. If you are making



Figure 1

your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro 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.

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.

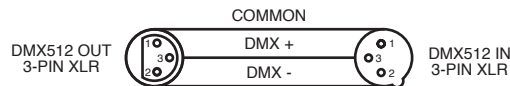


Figure 2

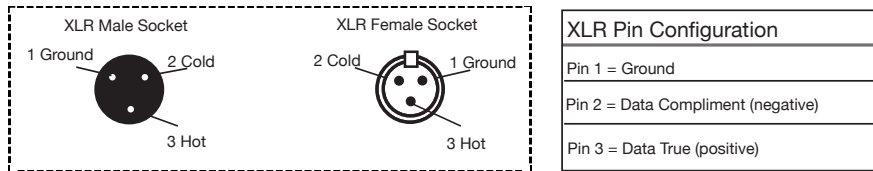
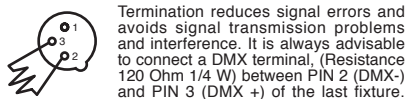


Figure 3

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 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		Pin 4 - Do Not Use
Not Used		Pin 5 - Do Not Use

Selecting Built-In Programs and Phrases via on board control -

MODE -

1. Press the MODE button, until “Pr.XX” is displayed. XX represents the phrase or program number that is displayed.
2. Select any programs by pressing the UP or DOWN buttons.
3. “Pr01” is one of 15 programmed phrases, and “Pr02” - Pr17 are the built-in effect programs. To select your phrase please see SET UP below.

SET UP -

Selecting your desired phrase -

Note: If the phrase contains four characters or less it will scroll from right to left, top to bottom, and then bottom to top. If the phrase contains more than four characters, the phrase will only scroll from right to left.

1. Press the MODE button, until “Pr.XX” is displayed. XX represents the phrase or program number.
2. If you want a phrase to scroll choose “Pr.01. Now press the SET UP button, rd.XX will be displayed. XX will represent the current phrase number that is displayed.
3. Scroll to your desired phrase by pressing either the UP or DOWN buttons. Once your desired phrase is found press the SET UP button again. **NOTE: If you have not programmed any phrases into memory, the phrases that you can choose from will only be factory programmed phrases.**
4. “S.XXX” will now be displayed. You can now set the speed of your phrase scroll. The speed is adjustable from “S001”-”S100”. 100 being the fastest speed. Press the SET UP button again once you have found your desired scroll speed.
5. “F.XXX” will now be displayed. You can now set the flash

rate of your phrase scroll. The flash rate is adjustable from “F000”-”F100”. 000 have no flash to 100 being the fastest flash rate. Press the SET UP button again once you have found your desired flash rate.

6. “Pr.01” will once again be displayed, along with your desired phrase scrolling at your selected speed and flash rate.

Selecting your desired program -

1. Press the MODE button, until “Pr.XX” is displayed.
2. Select a desired program “Pr.02”-”Pr.17”. Press the SET UP button.
3. “S.XXX” will now be displayed. You can now set the speed of your program. The speed is adjustable from “S001”-”S100”. 100 being the fastest speed. Press the SET UP button again once you have found your desired program speed.
4. “F.XXX” will now be displayed. You can now set the flash rate of your program. The flash rate is adjustable from “F000”-”F100”. “F.000” having no flash to “F.100” being the fastest flash rate. Press the SET UP button again once you have found your desired flash rate.
5. Your desired program number will once again be displayed, along with your desired program will play at your selected speed and flash rate.

Selecting Built-In Programs and Phrases via IR Remote -

MODE -

1. Press the SELECT PROG button, until “Pr.XX” is displayed. XX represents the phrase or program number that is displayed.
2. Select any programs by pressing the UP or DOWN buttons.

3. “Pr01” is one of 15 programmed phrases, and “Pr02” - Pr17 are the built-in effect programs. To select your phrase please see SET UP below.

SET UP -

Selecting your desired phrase -

Note: If the phrase contains four characters or less it will scroll from right to left, top to bottom, and then bottom to top. If the phrase contains more than four characters, the phrase will only scroll from right to left.

1. Press the SELECT PROG button, until “Pr.XX” is displayed. XX represents the phrase or program number.
2. If you want a phrase to scroll choose “Pr.01. Press the SELECT PROG button again, rd.XX will be displayed. XX will represent the current phrase number that is displayed.
3. Scroll to your desired phrase by pressing either the UP or DOWN buttons. Once your desired phrase is found press the SELECT PROG button again. **NOTE: If you have not programmed any phrases into memory, the phrases that you can choose from will only be factory programmed phrases.**
4. “S.XXX” will now be displayed. You can now set the speed of your phrase scroll. The speed is adjustable from “S001”-”S100”. 100 being the fastest speed. Press the SELECT PROG button again once you have found your desired scroll speed.
5. “Pr.01” will once again be displayed, along with your desired phrase scrolling at your selected speed and flash rate.
6. Press the FLASH RATE button to activate the flash/strobe feature. Press the UP and DOWN buttons when the flash feature is active to adjust the Flash rate. To deactivate the flash feature press the FLASH RATE button again.

Selecting your desired program -

1. Press the MODE button, until “Pr.XX” is displayed.
2. Select a desired program “Pr.02”-”Pr.17”. Press the SET UP button.
3. “S.XXX” will now be displayed. You can now set the speed of your program. The speed is adjustable from “S001”-”S100”. 100 being the fastest speed. Press the SET UP button again once you have found your desired program speed.
4. Your desired program number will once again be displayed, along with your desired program will play at your selected speed and flash rate.
5. Press the FLASH RATE button to activate the flash/strobe feature. Press the UP and DOWN buttons when the flash feature is active to adjust the Flash rate. To deactivate the flash feature press the FLASH RATE button again.

In Auto Mode the LED Messenger will cycle through the different programs as well as your selected phrase that is loaded into “Pr.01”.

Auto Mode via on board control -

1. Press the MODE button, until “AUTO” is displayed.
2. Press the SET UP button, “S.XXX” will now be displayed. You can now set the speed of the Auto Mode. The speed is adjustable from “S001”-“S100”. 100 being the fastest speed. Press the SET UP button again once you have found your desired scroll speed.
3. “N.XXX” will now be displayed. You can now set the amount of times each program will cycle through Auto Mode. The cycle rate is adjustable from “N.001”-“N.100”. 001 will have a program cycle once and then move on to the next program. 100 will have a program cycle 100 times and then move on to the next program. Press the SET UP button again once you have found your desired cycle rate.

Example: “If N.002 is set, program 2 will cycle twice and then switch to program 3. Program 3 will cycle twice and then switch to program 4, and so on. It will continue to run like this until you switch operating mode, or change your cycle rate.

4. “Auto” will once again be displayed, and the fixture will start cycling through the different programs at your selected speed and flash rate.

Auto Mode via on IR Remote -

1. Press the AUTO RUN button, “AUTO” will be displayed.
2. Press the AUTO RUN button, “S.XXX” will now be displayed. XXX represents the current speed level displayed. You can now set the speed of the Auto Mode. The speed is adjustable from

“S001”-“S100”. 100 being the fastest speed. Press the AUTO RUN button again once you have found your desired speed.

3. “N.XXX” will now be displayed. You can now set the amount of times each program will cycle through Auto Mode. The cycle rate is adjustable from “N.001”-“N.100”. 001 will have a program cycle once and then move on to the next program. 100 will have a program cycle 100 times and then move on to the next program. Press the AUTO RUN button again once you have found your desired cycle rate.

See the Example under Auto Mode via On Board Control.

4. “Auto” will once again be displayed, and the fixture will start cycling through the different programs at your selected speed and flash rate.

In Sound Active mode the LED Messenger will react to sound and randomly change through the different programs.

Sound Active Mode via on board control -

1. Press the MODE button, until “SU.XX” is displayed. XX represents the sound sensitivity level.
2. Press either the UP or DOWN buttons to adjust the sound sensitivity level from “SU.00”-“SU.31”. 00 being the least sensitive and 31 being the most sensitive.

Sound Active Mode via on IR Remote -

1. Press the SOUND ACTIVE button, and “SU.XX” is displayed. XX represents the sound sensitivity level.
2. Press either the UP or DOWN buttons to adjust the sound sensitivity level from “SU.00”-“SU.31”. 00 being the least sensitive and 31 being the most sensitive.

In DMX Control mode you can use a Elation® DMX-512 controller to select one of the many different programs, control the speed of the program, operate strobe, or even activate sound activity and set the sound sensitivity level. A DMX controller allows you to create unique programs tailored to your individual needs. Follow the set-up procedures on pages 6-8 as well as the set-up specifications that are included with your DMX controller.

Setting the DMX Address via On Board Control -

1. The LED Messenger uses three DMX channels. Channel 1 controls programs and sound activity, channel 2 controls either the running speed of the program or the sound sensitivity level, and channel 3 controls strobing rate. See page 20 for detailed description of the DMX traits.
2. To control your fixture in DMX mode you must first assign a DMX address to the fixture. Press the MODE button, until “dXXX” is displayed. XXX represents whatever DMX address is displayed.
2. Press either the UP or DOWN buttons to find your desired DMX address. Once you have found your desired DMX address connect your DMX controller to the LED Messenger.
3. Use the controller’s faders to control the various DMX fixture traits.
4. For longer cable runs (more than a 100 feet) use a terminator on the last fixture.
5. For help operating in DMX mode consult the manual included with your DMX controller.

Setting the DMX Address via IR Remote -

Note: When setting the DMX address via IR Remote point the LED Messenger at a smooth surface within a comfort-

able distance, so that you can clearly see the DMX address you are entering.

1. To set your DMX address using the IR Remote, press the DMX MODE button, and then press the SET ADDR (Set Address) button. “d._ _ _” will be displayed on the surface you are aiming the LED Messenger at.

2. Press the number buttons to set your desired DMX address.

Example: DMX Address 1 Press “001”

DMX Address 245 Press “245”

If you have set the DMX address correctly “PASS” will appear briefly, then you can connect your DMX controller to the LED Messenger. If do not set the DMX address correctly “FAIL” will appear briefly.

A Master/Slave configuration will allow you to link fixtures together and operate without a controller. In Master-Slave operation one fixture 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. These instructions are for On Board set up and IR Remote set up.

1. Using standard XLR microphone 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. Select the fixture that you want to act as the Master, and choose the mode of operation that you want to run.

3. On the Slave fixtures press the MODE button until “SLAV” is displayed, or using the IR Remote press the SLAVE button.

4. The fixtures will now run in a Master/Slave configuration.

To edit phrases you can use the included IR Remote or an optional keyboard with PS/2 connection.

Phrases “rd.01”- “rd.10” are factory programmed phrases. You are able to edit over these with phrases of your own. You are able to store up to 15 phrases with each phrase containing up to 30 characters only. “rd.01” - “rd.15” are the storage areas for each phrase.

Note: It is easier to create phrases when the LED Messenger is pointed at a smooth surface within a comfortable distance, so that you can clearly see what text you are entering.

Creating a phrase using the included IR Remote -

1. Press the SELECT PROG button, and then the UP or DOWN buttons until “Pr.01” is displayed.
2. Press the SELECT PROG button again, so that rd.XX is displayed. XX will represent the current phrase number that is displayed, 01-15.
3. Scroll to your desired phrase location, “rd.01”-“rd.15”, by pressing either the UP or DOWN buttons. Once you have found your desired phrase location press the EDIT button.

Note: If there is a phrase already stored in the current location you have chosen, once you press the EDIT button that phrase will be erased. You can always restore the factory phrases (“rd.01”-“rd.10”) by pressing and holding the EDIT button for 3 seconds, and then pressing 1, 6, 8, 1, 6, 8. This restore function will not erase the phrases you have stored in “rd.11”-“rd.15”.

4. Note: In these next instructions look to the surface you are aiming the LED Messenger at. “Edit word” will appear briefly, and then four individual dotted lines will appear. Each line is designated for a character. After each character is added wait 2-3 seconds for the cursor to move the next dotted line.

5. Enter your phrase as if you were texting using a cell phone. **(Example: press the “2” button twice to add the letter “b” to your phrase, press the “5” button three times to add the letter “l” to your phrase, etc...)**

The “1” button acts as a shift key, press it once to switch to capital letters or press it again to switch to lower case letters.

6. If you make a mistake in your phrase you can press the BACK SPACE button to delete the last character added. If you need to make a space in between words use the SPACE button.

7. After you have finished creating your full phrase press the ENTER button to confirm and store the phrase into memory. Once you have pressed ENTER your phrase will begin to scroll.

8. To select your phrase to scroll please see pages 11.

Creating a phrase using a keyboard with PS/2 Connection -

Note: When using a keyboard to edit, please disconnect any DMX Controller connected to the LED Messenger.

Creating a phrase using a keyboard with PS/2 connection is much easier than using the IR Remote. With the keyboard you can type and not have to wait 2-3 seconds for the cursor to jump to the next character line.

Before you begin to create a phrase using a keyboard you must find your desired location, “rd.01”-“rd.15”, via on board control.

1. Press the MODE button, until “Pr.01” is displayed. Press the MODE button again so that “rd.XX” is displayed. XX will represent the current phrase number that is displayed, 01-15.
2. Scroll to your desired phrase number, “rd.01”-“rd.15”, by

LED Messenger**Editing Phrases**

pressing either the UP or DOWN buttons.

3. Once you have found your desired phrase number, press the “Ctrl” and “E” keys on the keyboard to enter edit mode.

Note: If there is a phrase already stored in the current location you have chosen, once you press the EDIT button that phrase will be erased. To restore the factory phrases please see page 17, direction number 3.

6. **Note: In these next instructions look to the surface you are aiming the LED Messenger at.** Four individual dotted lines will appear. Each line is designated for a character. Unlike editing a phrase with the IR Remote you do not have to wait 2-3 seconds for the cursor to move to the next dotted line, you can continue to type.

Note: It is better to take your time when creating a phrase. If you type to fast mistakes can, and will likely be made.

8. Use the keyboard as if you were using a computer. The space key will create a space, and the backspace key will delete your last character added.

9. After you have finished creating your full phrase press the ENTER key to confirm and store the phrase into memory. Once you have pressed ENTER your phrase will begin to scroll.

LED Messenger**Fuse Replacement**

First unplug the power. The fuse holder is located next to the power cord. Using a flat-head screw driver unscrew the fuse holder. Remove the bad fuse and replace with a new one.

LED Messenger**DMX Traits**

Channel	Value	Function
1 ↓	0 - 12	<u>PROGRAMS & SOUND ACTIVE MODE</u>
	13 - 25	OFF
	26 - 38	PHRASE SCROLL
	39 - 51	PROGRAM 2
	52 - 64	PROGRAM 3
	65 - 77	PROGRAM 4
	78 - 90	PROGRAM 5
	91 - 103	PROGRAM 6
	104 - 116	PROGRAM 7
	117 - 129	PROGRAM 8
	130 - 142	PROGRAM 9
	143 - 155	PROGRAM 10
	156 - 168	PROGRAM 11
	169 - 181	PROGRAM 12
	182 - 194	PROGRAM 13
	195 - 207	PROGRAM 14
	208 - 220	PROGRAM 15
221 - 233	PROGRAM 16	
234 - 255	PROGRAM 17	
		<u>SOUND ACTIVE MODE</u>
2	0 - 12	<u>SPEED & SOUND SENSITIVITY</u>
	13 - 255	NO FUNCTION
		SPEED/SOUND SENSITIVITY LEVEL SLOW - FAST/ LEAST SENSITIVE - MOST SENSITIVE
3	0 - 12	<u>STROBE</u>
	13 - 255	NO FUNCTION
		SLOW - FAST

NOTE: Please see the next page regarding running certain functions of DMX Mode.

Here is some information that will help you run certain functions of the DMX Mode.

- To use the phrase scroll function of channel 1 (values 13-25), you must first choose your desired phrase. To select your desired phrase please see pages 9 -11. Once you have selected your desired phrase, let it scroll normally at least 2 or more times, and then press the UP button to confirm. Now you can go into DMX mode, channel 1, values 13-25, and your desired phrase will scroll. This procedure must be repeated each time you want a different phrase to scroll in DMX Mode.
- The function of Channel 2 depends on what channel 1 is set to. If you are running a program, channel 2 will control the running speed of the program. If you running sound active mode, channel 2 will control the microphone sensitivity level.

Fixture Cleaning: Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (I.e. smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Use a brush to wipe down the cooling vents and fan grill.
3. Clean the external optics and mirror 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 back in.

Trouble Shooting: Listed below are a few common problems that you may encounter, with solutions.

No light output from the fixture;

1. Be sure you have connected your unit into a standard 120v wall outlet.
2. Be sure the external fuse has not blown. The fuse is located at the rear panel of the unit.

Unit does not respond to sound;

1. Low frequencies (bass) should cause the unit to react to sound. Tapping on the microphone, quiet or high pitched sounds may not activate the unit.

LED Messenger

Warranty

MANUFACTURER'S LIMITED WARRANTY

A. American DJ, Inc. hereby warrants, to the original purchaser, American DJ and American Audio 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. Contact American DJ, Inc. Service Department at 800-322-6337. Send the product only to the American DJ, Inc. 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, Inc. 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, Inc. 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, Inc. concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the American DJ, Inc. factory unless prior written authorization was issued to purchaser by American DJ, Inc.; 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, Inc. 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 American DJ, Inc. 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, Inc. 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 American DJ, Inc. 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, Inc. 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 American DJ and American Audio Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- All American Audio Products = 1-year (365 day) Limited Warranty (except V-Plus Series Amplifiers)
- All American Audio V-Plus Series Amplifiers = 3-year (1095 day) Limited Warranty
- American DJ Lighting and American DJ Branded Products = 1-year (365 day) 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 Laser Products, lamps, and Star Tec Series)
- American DJ Laser Products and Star Tec Products = 90-Day Limited Warranty
- American DJ L.E.D. Products = 3-year (1095 day) Limited Warranty (excluding motors which have a 1-year (365 day) Limited Warranty)

LED Messenger

Specifications

Model:	LED Messenger
Voltage*:	120v/60Hz or 230v/50Hz
LEDs:	192 5mm LEDs (72 Red, 48 Green, & 72 Blue) Output similar to a 400w lamp
Power Consumption:	55W
Dimensions:	12.75"(L) x 9"(W) x 9"(H) 320mm x 230mm x 230mm
Colors:	RGB Color Mixing
Weight:	15 Lbs. / 6.8 kgs.
Fuse:	1A
Duty Cycle:	None
DMX:	3 Channels
Sound Active:	Yes
Working Position:	Any Safe, Secure Position
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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