



MINI DEKKER



User Manual

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Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

Unpacking: Thank you for purchasing the Mini Dekker by ADJ Products, LLC. Every Mini Dekker 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 event that 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 Mini Dekker is part of ADJ's continuing pursuit for creating high quality affordable intelligent fixtures. The Mini Dekker is a DMX intelligent LED moonflower effect. This fixture can be used in a stand alone mode or connected in a Primary/Secondary configuration. The unit can also be controlled via DMX controller. This wash has three operating modes: Sound Active mode, Show mode, and DMX control.

Customer Support: ADJ Products, LLC provides a toll free customer support line, to provide set up help and to answer any questions 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: (323) 582-2650
Fax: (323) 582-2941
E-mail: support@adj.com

To purchase parts online visit <http://parts.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 manufacturer's warranty. In the unlikely event your unit may require service please contact ADJ Products, LLC.

PLEASE recycle the shipping carton whenever 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.

- Includes Hanging Yoke
- 3 Operating Modes: Show Mode, Sound Active, & DMX Control
- Light Weight
- Strobing
- Electronic Dimming 0-100%
- Built in Microphone
- DMX-512 protocol
- 9 DMX Channels
- Sound Sensitivity Adjustment Knob

The Mini Dekker carries a 1 Year limited warranty. Please 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. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain an R.A. number by contacting customer support at (800) 322-6337.

- 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 matches the required voltage for your unit.
- Do not attempt to operate this unit if the power cord is 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 for any reason. There are no user serviceable parts inside.
- Never operate this unit with the cover 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 has been 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 where the cords exit from the unit.
- **Cleaning** - The fixture should be cleaned only as recommended by the manufacturer. See the **Cleaning** section of this manual for 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 on, 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 Mini Dekker contains an 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 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, try to utilize the shortest path possible when using several DMX fixtures. 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 Mini Dekker is a 9 channel DMX unit. The DMX address is set electronically using the controls on the rear panel of the unit. Your unit and your DMX controller require an 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, resulting in erratic behavior.



Figure 2

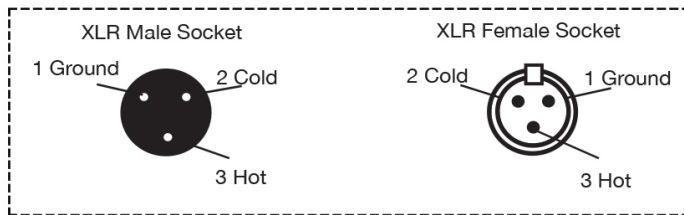
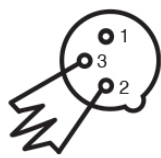


Figure 3

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, a terminator may be used on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor that 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 chances 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 manufacturers 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

LCD DISPLAY LOCK:

The display will lock after 30 seconds. Press and hold the MENU button for at least 10 seconds to unlock the display and access the menu.

ADDR - DMX Address Setting.

1. Press the MENU button until “ADDR” is displayed, and press ENTER.
2. The current DMX address will now be displayed. Press the UP or DOWN buttons to find your desired address. Press ENTER to set your desired DMX address.

SHOW - Show mode.

1. Press the MENU button until “Show” is displayed.
2. Press ENTER to activate.

SOUN - Sound Active mode with adjustable sound sensitivity.

1. Press the MENU button until “Soun” is displayed, and press ENTER.
2. Use the UP or DOWN buttons to either turn sound activity “On” or “Off”, and press ENTER.
3. Use the sound sensitivity knob on the back to adjust the sound sensitivity.

VER - Use this function to display the Software version of the unit.

1. Press the either the MENU button until “VER” is displayed, and press ENTER.
2. The display will show the software version.

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

1. The Mini Dekker is a 9 DMX channel DMX fixture. See the **DMX Values & Traits** section of this manual for detailed information.
2. To control your fixture in DMX mode, follow the set-up procedures in the **Set Up** section of this manual as well as the set-up specifications that are included with your DMX controller.
3. Use the DMX Address Setting option in the main system menu to set the DMX address.
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.

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

1. Press the MENU button until “Soun” is displayed, and press ENTER.
2. Press the UP or DOWN buttons to either activate or deactivate sound active mode, and press ENTER. If the function is activated, the unit will now run to the beat of the music.
3. The sound sensitivity can be adjusted by turning the sound sensitivity knob located on the back of the unit. Turn the knob clockwise to increase sensitivity, and counter-clockwise to decrease sensitivity.

Show Mode: This mode allows a single unit or several units linked together to run to a built-in program.

1. Press the MENU button until “SHOW” is displayed.
2. Press ENTER to activate.

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

1. Using standard XLR microphone cables, daisy chain your units together via the XLR connector on the rear of the units. Remember that the male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (primary) will use the female XLR connector only, while the last unit in the chain will use the male XLR connector only. For longer cable runs, the use of a terminator on the last fixture in the line is strongly recommended.
2. Set the Primary to your desired operating mode.
3. Set the Secondary unit(s) to address "001".
4. The Secondary unit(s) will now follow the Primary unit.

Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 9 10 - 255	STROBING OFF SLOW - FAST
6	0 - 255	MASTER DIMMER 0% - 100%
7	0 - 127 128 - 255	MOTOR FUNCTION CONTROL SELECT MOTOR POSITION ROTATION SLOW - FAST
8	0 - 9 10 - 84 85 - 255	COLOR SELECTION NO FUNCTION COLOR MIXING COLOR FADING SLOW - FAST
9	0 - 9 10 - 255	DMX CONTROL SHOW MODE

NOTE: To control using DMX, Channel 9 must be between the values of 0-9.

Disconnect the unit from its power source. Remove the power cord from the unit. Once the cord has been removed, you will find that the fuse holder is 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 also has a holder for a spare fuse.

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

No light output from the unit;

- Check that the fuse has not blown. The fuse is located on the rear panel of the unit.

Unit does not respond to sound;

- Low frequencies (bass) should cause the unit to react to sound. Quiet or high pitched sounds, including tapping on the microphone, may not activate the unit.

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.

- Use normal glass cleaner and a soft cloth to wipe down the outside casing.
- Use a brush to wipe down the fan grill.
- Clean the external optics with glass cleaner and a soft cloth every 20 days.
- Clean the internal optics with glass cleaner and a soft cloth every 30-60 days.
- Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club, cleaning on a monthly basis is recommended. Periodic cleaning will ensure longevity and crisp output.

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 its 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 maintenance, 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 identifying 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 and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excluding laser diodes which have a 6 month limited warranty)
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) batteries which have a 180 day limited warranty). Only the L.E.D.s carry a 2-year warranty (**excluding StarTec Series which carries a 1 Year Limited Warranty**)
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty** (excluding faders and tact switches)

Model:	Mini Dekker
LEDs:	2 x 10W RGBW LEDs
Voltage:	100~240v 50Hz~60Hz
Power Consumption:	25W
Beam Angle:	120 Degrees
Dimensions:	8" (L) x 7.75" (W) x 8.5" (H) 200mm x 198mm x 218mm
Colors:	RGB + White
Weight:	4 Lbs. / 1.7 Kgs.
DMX Channels:	9 Channels
Fuse:	3 Amp
Duty Cycle:	None
Warranty:	1 Year (365 Days)

Auto Sensing Voltage: This fixture contains an automatic voltage switch, which will automatically 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.

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