PRO PAR 56CWWW

User Instructions

Unpacking: Thank you for purchasing the Pro Par56 CWWW by American DJ®. Every Pro Par56 CWWW 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 Pro Par56 CWWW is part of American DJ's continuing pursuit for creating high quality affordable intelligent fixtures. The Pro Par56 CWWW is a DMX intelligent cool white (CW), warm white (WW) LED Par Can. This Par Can is light weight and compact which makes it a great piece for mobile DJ's and clubs. This unit has several running modes, and can also be controlled via DMX controller. This unit can be used as a stand alone, or in a master-slave configuration.

Customer Support: American DJ® provides a toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.americandj.com for any comments or suggestions. Service Hours are Monday through Friday 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 manufactures warranty. In the unlikely event your unit may require service please contact American DJ®.

PLEASE recycle the shipping carton when ever possible.

Pro Par56 CWWW 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.

Pro Par56 CWWW Features

- Cool White (CW) and Warm White (WW)
- Strobe
- Electronic Dimming 0-100%
- Built in Microphone
- DMX-512 protocol
- 2 DMX Channel Modes: 3 Channel Mode & 4 Channel Mode
- Daisy Chain Units Together in DMX Mode

Pro Par56 CWWW Warranty Registration

The Pro Par56 CWWW carries a 1 year (365 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.

Pro Par56 CWWW Safety Precautions

- 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 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 12 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.

P**ower Supply:** The American DJ® Pro Par56 CWWW contains an electronic ballast, which will auto sense the voltage when it is plugged into the power source. With the electronic ballast you do not need to worry about wall voltage, this unit can be plugged in anywhere. Also be sure to only use the included I.E.C. power cable supplied with the unit.

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 Pro Par56 CWWW can be controlled via DMX-512 protocol. The Pro Par56 CWWW can be a 3 or 4 Channel DMX unit. The DMX address is set on the back panel of the Pro Par56 CWWW. 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.

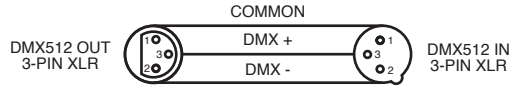


Figure 2

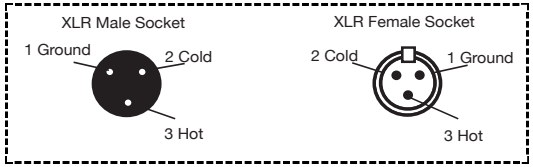


Figure 3

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, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 90-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last 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 XLR connectors for DATA transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors 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

LED Display On/Off:

To set the LED display to turn off after 10 seconds, press the MODE button until DS-1 is displayed, press the UP button to display DS-2. Now the display will disappear after 10s. Press any button for at least 10s to turn the display on again. Be advised though that the display will turn off automatically after 10 seconds.

To set the display press the MODE button until DS-X is displayed. The display will now stay on at all times.
DS-1= LCD display on at all times.
DS-2= LCD display shuts off after 10 seconds.

DMX Mode:

The Pro Par56 CWWW has 2 DMX Channel modes. You can choose between 3 DMX channels or 4 DMX Channels. Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs.

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller such as the Elation® Show Designer™ or the Elation® DMX Operator.™
2. To run your fixture in DMX mode, plug in the fixture via the XLR connections to any standard DMX controller.
3. Choose your DMX channel mode -
   Press the MODE button until "1XXX" is displayed, this is 4 channel mode. Press the UP or DOWN button to find your desired DMX address.

   Press the MODE button until "2XXX" is displayed, this is 3 channel mode. Press the UP or DOWN button to find your desired DMX address.
4. Please see pages 10-11 for DMX values and traits.

Sound Active Mode:

In this mode the Pro Par56 CWWW will react to sound.

1. Plug the fixture in and press the MODE button until "3-So" is displayed.
2. The fixture will now change via sound.

Cool White (CW) Manual Adjust Mode:

In this mode you are able to adjust the cool white color to your desired temperature. Use this mode in conjunction with Warm White Manual Adjust mode, to project your desired color.

1. Press the MODE button until "4-XX" is displayed.
2. Press either the UP or DOWN buttons to adjust the intensity of cool white.

Warm White (WW) Manual Adjust Mode:

In this mode you are able to adjust the warm white color to your desired temperature. Use this mode in conjunction with Cool White Manual Adjust mode, to project your desired color.

1. Press the MODE button until "5-XX" is displayed.
2. Press either the UP or DOWN buttons to adjust the intensity of warm white.

White Preset Mode:

In this mode you can select one of the already preset white color temperatures. Please see the next page for preset color temperatures.

1. Press the MODE button until "6-XX" is displayed.
2. Press either the UP or DOWN buttons to choose your desired preset white color temperature..

Strobe Mode:

Activate strobing and adjust the strobe rate.

1. Press the MODE button until "7-XX" is displayed.
2. Adjust the strobe speed by pressing either the UP or DOWN buttons. The speed can be adjusted from "7-01" the slowest, to "7-20" the fastest.

Pulse Mode:

Activate pulsing and adjust the strobe rate.

1. Press the MODE button until "8-XX" is displayed.
2. Adjust the strobe speed by pressing either the UP or DOWN buttons. The speed can be adjusted from "7-01" the slowest, to "7-20" the fastest.

Master-Slave Operation:

This function will allows you to link units together to run in a Master-Slave mode. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units built-in programs. Any unit can act as a Master or as a Slave however, only one unit can be programmed to act as the “Master.”

Master-Slave Connections and Settings:

1. Daisy chain your units via the XLR connector on the rear of the unit. Use standard XLR microphone cables to link your units together. Remember that 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.
2. You will also have to link the power cords to each other, as you did with the XLR cables.
3. Using the Master unit, choose your desired mode and connect the “Slave” unit or units.
4. Set the “Slave” unit(s) to the DMX mode. So all “Slave” units display “1001”. They will now follow the “Master” unit.

Pro Par56 CWWW Operating Instructions

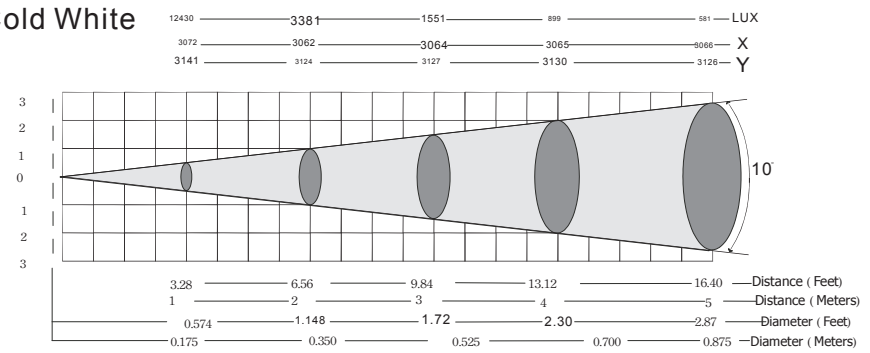
Color Temperature Presets:

Preset #	Color Temperature	DMX Values	
		Cool White	Warm White
19	7400K	255	2
18	7200K	255	11
17	7000K	255	20
16	6800K	255	30
15	6600K	255	42
14	6400K	255	56
13	6200K	255	72
12	6000K	255	91
11	5800K	255	113
10	5600K	255	138
9	5400K	255	170
8	5100K	255	231
7	5000K	255	255
6	4800K	204	255
5	4600K	161	255
4	4300K	106	255
3	4000K	61	255
2	3800K	35	255
1	3400K	0	255

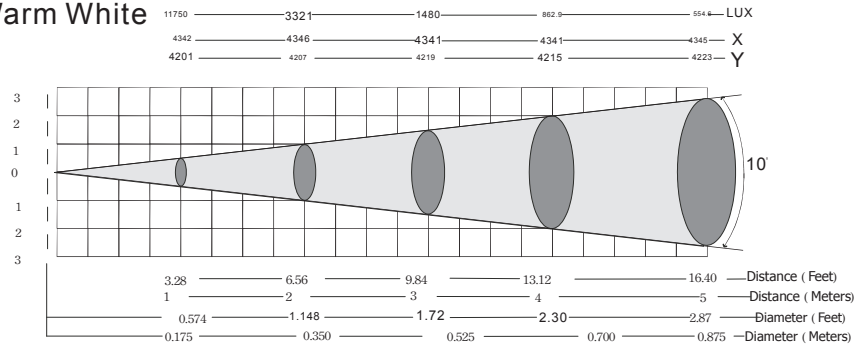
Channel	Value	Function
1	0 - 255	COOL WHITE (CW) 0% - 100%
2	0 - 255	WARM WHITE (WW) 0% - 100%
3		WHITE PRESET TEMPERATURES
	0	OFF
	1 - 13	3400K
	14 - 27	3800K
	28 - 41	4000K
	42 - 55	4300K
	56 - 69	4600K
	70 - 83	4800K
	84 - 97	5000K
	98 - 111	5100K
	112 - 125	5400K
	126 - 139	5600K
	140 - 153	5800K
	154 - 167	6000K
	168 - 181	6200K
	182 - 195	6400K
	196 - 209	6600K
	210 - 223	6800K
	224 - 236	7000K
	237 - 248	7200K
	249 - 255	7400K
4	0	OFF
	1 - 255	STROBING SLOW - FAST

Channel	Value	Function
1	0 - 255	COOL WHITE (CW) 0% - 100%
2	0 - 255	WARM WHITE (WW) 0% - 100%
3		WHITE PRESETS TEMPERATURES
	0	OFF
	1 - 13	3400K
	14 - 27	3800K
	28 - 41	4000K
	42 - 55	4300K
	56 - 69	4600K
	70 - 83	4800K
	84 - 97	5000K
	98 - 111	5100K
	112 - 125	5400K
	126 - 139	5600K
	140 - 153	5800K
	154 - 167	6000K
	168 - 181	6200K
	182 - 195	6400K
	196 - 209	6600K
	210 - 223	6800K
	224 - 236	7000K
	237 - 248	7200K
	249 - 255	7400K

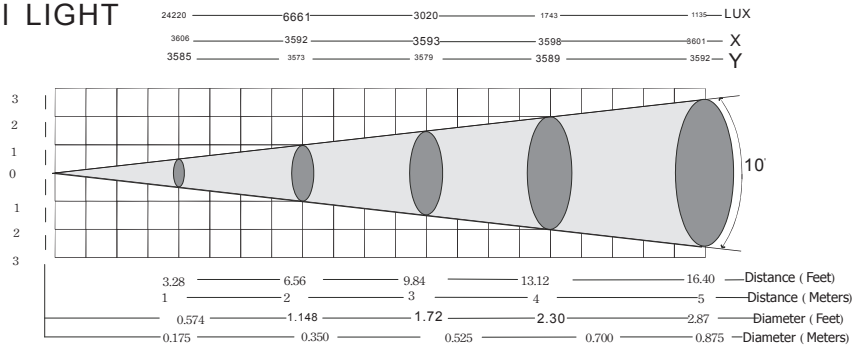
Cold White



Warm White



All LIGHT



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

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. 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).

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 American DJ® for service.
1-800-322-6337

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 it’s 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 and lamps)
- American DJ Laser 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)

Model: Pro Par56 CWWW

SPECIFICATIONS:

Working Position:	Any safe working position
LEDs:	18 x 1W Warm White LEDs
	18 x 1W Cool White LEDs
Voltage:	100~240v 47Hz~63Hz
Power Draw:	Amps
Weight:	5.4lbs./ 2.46Kgs.
Dimensions:	9” (L) x 9” (W) x 12” (H)
	320 x 234 x 219mm
Colors:	Cool White & Warm White
Warranty:	3 Year (1095 days)

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

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

©American DJ Supply
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

American DJ Europe
Junostraat 2
6468 EW Kerkrade
Netherlands
service@americandjeurope.com / www.americandjeurope.com
Tel: +31 45 546 85 00 / Fax: +31 45 546 85 99