WIFLY BAR QA5

User Manual

DOCUMENT VERSION

**Due to additional product features and/or enhancements, an updated version of this document may be available online.
Please check www.adj.com for the latest revision/update of this manual before beginning installation and/or programming.**

Europe Energy Saving Notice
Energy Saving Matters (EuP 2009/125/EC)
Saving electric energy is a key to help protecting the enviroment. 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!

INTRODUCTION

Unpacking: Thank you for purchasing the WiFly Bar QA5 by ADJ Products, LLC. Every device 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 have been damaged, carefully inspect your fixture for any damage and be sure that all accessories necessary to operate the unit have 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: This device is a rechargeable lithium battery powered, DMX intelligent, LED bar fixture with ADJ's WiFly TransCeiver featuring built-in wireless DMX. This unit gives you the freedom to set up your fixture wherever you wish without the restrictions of power or DMX cabling. The built-in battery will keep charge for up to 6 hours (full on) from a full, single charge. This fixture can be used in stand alone mode or connected in a primary/secondary configuration. This unit also features five operating modes: Sound Active mode, Auto mode, RGB mode, Static Color mode, and DMX control mode.

Customer Support: Contact ADJ Service for any product related service and support needs. Also visit **forums.adj.com** with questions, comments or suggestions.

Parts: To purchase parts online visit:
http://parts.adj.com (US)
http://www.adjparts.eu (EU)

ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
Voice: 800-322-6337 | Fax: 323-582-2941 | support@adj.com

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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, as doing so will void your manufacturer's warranty. In the unlikely event your unit may require service, please contact ADJ Products, LLC.

Do not discard the shipping cartoon in the trash. Please recycle when ever possible.

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 the product back—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 prepaid. 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 and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur 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 product serial number and/or labels are 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 it was not properly maintained as set forth in the product instructions, guidelines and/or user manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning, or periodic checkup. 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.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by 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 all warranties, whether expressed or implied, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. 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 Product, LLC be liable for any loss and/or damage, direct and/or consequential arising out of the use of, and/or inability to use this product.

G. 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:
*   Non-LED Lighting Products = 1-Year (365 Days) (Including Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands, Power/Data Distribution, etc. excluding LED and lamps)
*   Laser Products = 1-Year (365 Days) (excluding laser diodes which have a 6-Month Limited Warranty)
*   LED Products = 2-Year (730 Days) (excluding batteries which have a 180 Day Limited Warranty)
*   NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the United States. StarTec Series = 1-Year (365 Days) (excluding batteries which have a 180 Day Limited Warranty)
*   ADJ DMX Controllers = 2 Year (730 Days)
*   American Audio Products = 1 Year (365 Days)

WARRANTY REGISTRATION

This device carries a 2 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 accompanied by 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 included in the shipping carton. 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 our customer support team on our customer support number. All packages returned to the service department not displaying an R.A. number on the outside of the package will be returned to the shipper.

FEATURES

- Rechargeable Lithium Battery
- Multi-Colors
- Five Operating Modes
- Electronic Dimming 0-100%
- Built in Microphone
- DMX-512 protocol
- 3-Pin DMX Connection
- 6 DMX Channel Modes: 4-, 6-, 7-, 8-, 9-, & 22-Channel Mode
- Built-In ADJ WiFly TransCeiver Wireless DMX
- ADJ RFC compatiable (Not Included)
- Power Cord Daisy Chain (see **Power Cord Daisy Chain** section of this manual)

INSTALLATION

The unit should be mounted by affixing a mounting clamp (not provided) to the mounting bracket that is provided with the unit. Always ensure that the unit is firmly fixed in order to avoid vibration and slipping during operation. Always ensure that the structure to which you are attaching the unit is secure and is capable of supporting at least 10 times the unit's weight. Always use a safety cable that can support at least 12 times the weight of the unit when installing the fixture. The equipment must be installed by a professional installer, and it must be installed in a place where it is out of the reach of the general public's grasp.

SAFETY PRECAUTIONS

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Do not spill water or other liquids into or onto 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 the event 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 in any way.
- This unit is intended for indoor use only, and 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 at which they exit from the unit.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer. See the *Cleaning* section of this manual 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 onto, 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.

CAUTION: Like any wireless device, this unit is highly susceptible to severe damage as a result of static electricity. Before touching the antenna, please ground/discharge yourself.

BATTERY PRECAUTIONS

Do not short circuit the battery
Take all possible precautions to avoid short circuiting the battery, as doing so generates a very high current, potentially resulting in battery overheating, electrolyte gel leakage, release of harmful fumes, or explosion. The battery tabs are susceptible to short circuiting when placed on conductive surfaces. The device features a protection circuit with an integrated PCM to protect again accidental short circuiting of the battery pack.

Mechanical shock
Dropping the unit, impacts or strikes, bending, or other mechanical shock may cause failure or severely shorten the operational life of the battery.

Battery connection
*   Direct soldering of wire leads or devices to the battery is strictly prohibited.
*   Lead tabs with pre-soldered wiring shall be spot welded to the batteries. Direct soldering may cause damage to components, including the separator and insulator, as a result of heat build up.

Prevention of short circuit within a battery pack
Layers of insulation between wiring and the batteries are designed to keep these items safely isolated from each other. Furthermore, the battery pack is constructed in such a way that no short circuit will occur that could potentially cause smoke or fire.

Do not disassemble the batteries
*   Never attempt to disassemble the batteries. Doing so may cause an internal short circuit in the battery, leading to the release of harmful fumes, fire, explosion, or other serious hazards.
*   Electrolyte Gel is highly hazardous and harmful! Any leakage of electrolyte gel is dangerous! **Should the electrolyte gel come into contact with the skin or eyes, flush the area of contact immediately with fresh water and seek medical attention immediately!**

Do not expose the battery to heat or fire
Never expose batteries to heat or fire, as this may result in a dangerous explosion.

Do not expose the battery to water or liquids
Never soak, submerge, or drop the batteries in liquids of any kind, including but not limited to water, seawater, or various beverages.

Battery replacement
For battery replacement please contact ADJ customer support (800) 322-6337.

Do not use a damaged battery
Check the battery for damage that may have occurred during shipping. If any damage is found, including but not limited to damage to the plastic casing, deformation of the battery package, detection of an electrolyte or chemical odor, or leakage of the electrolyte gel, ***DO NOT*** use the battery. A battery with a chemical or electrolyte odor or a gel leakage should be placed away from fire and/or heat to avoid the risk of fire or explosion.

BATTERY PRECAUTIONS

Battery storage
The battery should be stored at room temperature, with a charge of at least 50%. During long periods of storage, it is recommended that the battery be charged every 6 months. Doing so will prolong the life of the battery, and will also make sure that the battery charge does not fall below the 30% mark.

Other chemical reactions
Because batteries utilize a chemical reaction, battery performance will deteriorate over time, even if stored for a long period of time without being used. In addition, if various usage conditions, such as charge, discharge, ambient temperature, etc, are not maintained within the specified ranges, the life expectancy of the battery may be shortened, or the device in which the battery is used may be damaged by electrolyte gel leakage. If the batteries cannot maintain a charge for long periods of time, even when charged correctly, this may indicate it is time to change the battery.

Battery disposal
Please dispose of the battery according to local regulations.

SET UP

Power Supply: This device contains an automatic voltage switch, which will automatically 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, and 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 use the shortest cable path possible when linking 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): This device can be controlled via DMX-512 protocol, and features 6 selectable DMX channel modes, as detailed in the **_DMX Traits_** section of this manual. The DMX address is set on the back panel of the device. Your unit and your DMX controller require a standard 3-pin XLR connector for data input and data output (Figure 1). 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 pro lighting stores). Your cables should be made with a male XLR connector at one end and a female XLR connector at the other. Also remember that DMX cable must be daisy chained and cannot be split.

Figure 1

SET UP

Notice: Be sure to follow figures 2 and 3 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 into contact with the XLR's outer casing. Grounding the shield could cause a short circuit and result in erratic behavior.
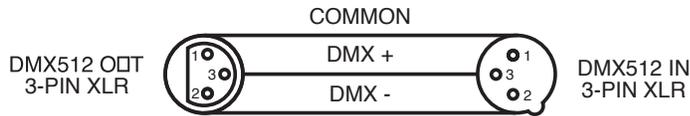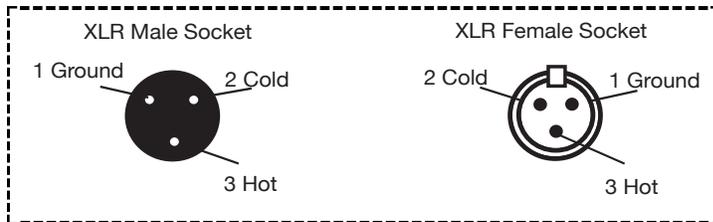

Figure 2

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, 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 con-nected 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.
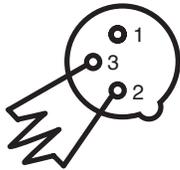
Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

Figure 4

5-Pin XLR DMX Connectors. Some 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 by using a cable adaptor. These adaptors are readily available at most electronics 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

SYSTEM MENU

DMX MODE	Address	d001 - d512	Set DMX address
	Channels	Ch04	Select DMX channel mode
		Ch06	
		Ch07	
		Ch08	
		Ch09	
		Ch22	
	No DMX Mode	blac	Unit defaults to blackout when DMX signal lost or interrupted
		Last	Unit holds last received state when DMX signal lost or interrupted
		Prog	Unit defaults to Auto program when DMX signal lost or interrupted
	Delay Mode	dr0 - dr4	Select unit delay mode
SECONDARY MODE	Secondary mode	SEcd	Set unit as secondary in a primary-secondary configuration
DIMMER MODE	Red dimmer	r.000 - r.255	Adjust red intensity
	Green dimmer	g.000 - g.255	Adjust green intensity
	Blue dimmer	b.000 - b.255	Adjust blue intensity
	Amber dimmer	U.000 - U.255	Adjust amber intensity
	Flash	FS.00 - FS.15	Adjust flash speed, FS.00 = off, FS.01 = slowest, FS.15 = fastest
BUILT IN PROGRAM SELECT MODE	Built in program select	Pr.01 - Pr.22	Select from 22 built in programs
	Speed set	SP.01 - SP.99	Adjust speed of selected program
	Fade speed set	Fd.00 - Fd.99	Adjust fade speed of selected program, Fd.00 = fade off, Fd.01 = fastest, Fd.99 = slowest
	Flash	FS.00 - FS.15	Adjust flash speed, FS.00 = off, FS.01 = slowest, FS.15 = fastest
	Base color select	C1.00 - C1.15	Select base color, only valid when Pr.21 or Pr.22 are active
	Flow color select	C2.00 - C2.15	Select flow color, only valid when Pr.21 or Pr.22 are active
AUTO RUN MODE	Auto run mode	Au70	Set unit to auto run mode
	Fade speed set	Fd.00 - Fd.99	Adjust fade speed of selected program, Fd.00 = fade off, Fd.01 = fastest, Fd.99 = slowest
	Flash	FS.00 - FS.15	Adjust flash speed, FS.00 = off, FS.01 = slowest, FS.15 = fastest
STATIC COLOR SELECT MODE	Color select	C0.00 - C0.15	Select static color
	Flash	FS.00 - FS.15	Adjust flash speed, FS.00 = off, FS.01 = slowest, FS.15 = fastest

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SYSTEM MENU

SOUND MODE	Sensitivity select	SU.00 - SU.31	Adjust sound sensitivity, SU.00 is least sensitive, SU.31 is most sensitive
	Flash	FS.00 - FS.15	Adjust flash speed, FS.00 = off, FS.01 = slowest, FS.15 = fastest
BATTERY QUANTITY DISPLAY MODE	Battery remaining electric quantity	b---, b000 - b100	Display remaining battery charge level, b--- means battery is disconnected, b000 means no remaining charge, b100 means full charge
RADIO CHANNEL ADDRESS SET MODE	Radio channel address set	rC00 - rC14	Select radio channel address
OTHER MODE	Display on/off	don	Display screen always on
		doff	Display screen off
	RF remote function on/off	rFon	RF remote function enabled
		rFoF	RF remote function disabled
	Display normal/ inverse	Stnd	Display screen orientation normal
		rEv	Display screen orientation inverted
	Initialization mode	dEFA	Restore unit to factory default settings

PRIMARY-SECONDARY CONFIGURATION

This function will allows you to link units together to run in a primary-secondary configuration, where one unit will act as the controlling unit, and the other units will react to the controlling unit's built-in programs. Any unit can act as a primary or as a secondary, but only one unit can be programmed to act as the primary.

Connections and Settings:
1. Daisy chain the units together via the XLR connectors on the rear panel of each unit. Use standard XLR data cables to link the units. Remember that the male XLR connector in the input, and the the female XLR connector is the output. The first unit in the chain (primary) will use the female XLR connector only, and the last unit in the chain will use the male XLR connector only.
2. Set the primary unit to the desired mode of operation.
3. On each secondary unit, press the MODE button until "Secd" is displayed. This indicates that the unit has been designated as a secondary unit. Please note that this set up procedure must be performed for each individual secondary unit.
4. The secondary unit(s) should now follow or react to the actions of the primary unit.

POWER CORD DAISY CHAIN

This feature allows the fixtures to be linked together using the IEC input and output sockets.

The maximum number of units than can be connected in this manner is 10 units. After this number has been reached, an additional power socket will be required in order to accommodate additional units.

All fixtures linked in this manner should be of the same make and model type. DO NOT mix fixtures.

NOTE: Fixtures cannot be daisy chained when running on battery power.

WIFLY SET UP

This function allows the unit to be controlled without replying on XLR cables. Your DMX controller must be connected to a ADJ WiFly TransCeiver to use this function. Maximum range is 2500 feet (760 meters) with an open line of sight. ***NOTE: The ADJ RFC control must be set to OFF to use this function. Refer to the Operating Instructions section of this manual for details.***

1. Turn on the WiFly function using the WiFly On/Off switch, and set the antenna to either an up position or a down position.
2. Follow the direction shown in the **Operating Instructions** section of this manual to set the Wireless address. The address must match the address set on the WiFly Transceiver.
3. Select your desired DMX Channel mode and set your DMX address.
4. Connect the ADJ WiFly Transceiver to power. Please note, the fixture must be set up first before connecting power to the transceiver.
5. If everything is set up properly and the fixture is receiving a wireless signal, the wireless status LED next to LED screen will glow green.

Note: If the sync does not work, switch the WiFly power off, then power it on again.

WIFLY PRIMARY-SECONDARY SET UP

This feature will let you link units to run in primary-secondary mode without the use of XLR cables. *NOTE: The ADJ RFC control must be set to OFF on all the units to use this function. See the* **Operating Instructions** *section of this manual for details.*

1. Set the Wireless address. Note that the address on each fixture must be the same.
2. Select the primary unit and set the desired operating mode.
3. Put the antenna in either an up position or a down position. *Note: All antennas must be in the same position (either all up or all down), but never at an angle.*
4. Set each secondary unit to secondary mode, as described in the **Primary-Secondary Configuration** section of this manual.
5. Turn the Wifly power switch to the on position.
6. If everything is set up correctly, wireless status LED will glow orange on the primary unit and green on the secondary unit(s).

NOTE: If the units do not sync up correctly, switch the WiFly power switch of the primary unit off, then turn it on again.

ADJ RFC OPERATION

The **ADJ RFC remote (sold seperately)** has many different functions and allows you to control your WiFly Par QA5 from long distance. The ADJ RFC remote can control your system from a distance of up to 150 ft. To use the RFC you must first activate the fixtures receiver, as described in the *Operating Instructions* section of this manual.

BLACKOUT - Pressing this button will blackout the fixture.

AUTO RUN - This button will run an automatic program. Press the FLASH button once to enter Flash mode, then use the "+" and "-" buttons to adjust the flash rate. Press the FLASH button again to enter Fade time adjustment, and use the "+" and "-" buttons to adjust the fade time.

PROGRAM SELECTION - This button will activate either Color Select mode or Built-In Programs. Each press of this button will toggle between the two modes.
- In Color Select mode: Use the "+" or "-" buttons to scroll through the 15 selectable colors. Once you have found your desired color, press the Flash Button to activate strobing and use the "+" or "-" to adjust the Flash rate.
- In Built-In Program mode: Use the "+" or "-" buttons to scroll through the built-in programs. Once you have found your desired program, press the SPEED button, and then use the "+" and "-" buttons to adjust the program speed. Press the Flash Button to activate strobing and use the "+" or "-" to adjust the Flash rate. Press the FLASH button again to enter Fade time adjustment, and use the "+" and "-" buttons to adjust the fade speed.

FLASH - This button will activate the flash (strobe) effect or fade time adjustment. You can adjust the flash speed by pressing the "+" and "-" buttons.

SPEED - Press this button and use the "+" and "-" buttons to adjust the speed of the Auto run and Programs.

SOUND ACTIVE - This button activates sound active mode. Use the "+" or "-" buttons to adjust the sound sensitivity.

R G B W/A - Press any one of these buttons to select a color, then press the "+" or "-" buttons to adjust the brightness.

"+" and "-" - Use these buttons to adjust the flash rate, fade time, speed of the Auto Run or Program, sound sensitivity, and color select.

DMX TRAITS

CHANNEL						DMX VALUES	FUNCTIONS
4CH	6CH	7CH	8CH	9CH	22CH		
1	1	1	1	1		000 - 255	*Red,* 0% to 100%
2	2	2	2	2		000 - 255	*Green,* 0% to 100%
3	3	3	3	3		000 - 255	*Blue,* 0% to 100%
4	4	4	4	4		000 - 255	*Amber,* 0% to 100%
					1	000 - 255	*Red 1,* 0% to 100%
					2	000 - 255	*Green 1,* 0% to 100%
					3	000 - 255	*Blue 1,* 0% to 100%
					4	000 - 255	*Amber 1,* 0% to 100%
					5	000 - 255	*Red 2,* 0% to 100%
					6	000 - 255	*Green 2,* 0% to 100%
					7	000 - 255	*Blue 2,* 0% to 100%
					8	000 - 255	*Amber 2,* 0% to 100%
					9	000 - 255	*Red 3,* 0% to 100%
					10	000 - 255	*Green 3,* 0% to 100%
					11	000 - 255	*Blue 3,* 0% to 100%
					12	000 - 255	*Amber 3,* 0% to 100%
					13	000 - 255	*Red 4,* 0% to 100%
					14	000 - 255	*Green 4,* 0% to 100%
					15	000 - 255	*Blue 4,* 0% to 100%
					16	000 - 255	*Amber 4,* 0% to 100%
					17	000 - 255	*Red 5,* 0% to 100%
					18	000 - 255	*Green 5,* 0% to 100%
					19	000 - 255	*Blue 5,* 0% to 100%
					20	000 - 255	*Amber 5,* 0% to 100%
		5		5		000 - 255	*Color Macros,* see *Color Macro Chart* section of this manual for info
							Strobing
	5	6		8	21	000 - 015	No strobing
						016 - 255	Strobing, slow to fast
	6	7	5	9	22	000 - 255	*Master Dimmer,* 0% to 100%
							Program Speed and Sound Sensitivity
				7		000 - 255	Program Speed, slow to fast
						000 - 255	Sound Sensitivity, least to most sensitive

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DMX TRAITS

CHANNEL						DMX VALUES	FUNCTION
4CH	6CH	7CH	8CH	9CH	22CH		
			6				***Strobing, Program Speed, and Sound Sensitivity Adjustment***
						000 - 015	None
						015 - 255	Strobing, slow to fast
						000 - 255	Program Speed, slow to fast
						000 - 255	Sound Sensitivity, least to most sensitive
			7				***Mode Selection***
						000 - 051	Dimmer Mode
						052 - 102	Color Macro Mode
						103 - 204	Program Mode
						205 - 255	Sound Active Mode
				6			***Programs***
						000 - 015	No function
						016 - 025	Program 1
						026 - 035	Program 2
						036 - 045	Program 3
						046 - 055	Program 4
						056 - 065	Program 5
						066 - 075	Program 6
						076 - 085	Program 7
						086 - 095	Program 8
						096 - 105	Program 9
						106 - 115	Program 10
						116 - 125	Program 11
						126 - 135	Program 12
						136 - 145	Program 13
						146 - 155	Program 14
						156 - 165	Program 15
						166 - 175	Program 16
						176 - 185	Program 17
						186 - 195	Program 18
						196 - 205	Program 19
						206 - 215	Program 20
						216 - 225	Program 21
						226 - 235	Program 22

DMX TRAITS

CHANNEL						DMX VALUES	FUNCTION
4CH	6CH	7CH	8CH	9CH	22CH		
				6			*Programs (continued)*
						236 - 245	Auto Run
						246 - 255	Sound Active
							Color Macros and Programs
						000 - 255	Color Macros, see *Color Macro Chart* section of this manual for info
						000 - 024	Program 1
						025 - 035	Program 2
						036 - 046	Program 3
						047 - 057	Program 4
						058 - 068	Program 5
						069 - 079	Program 6
						080 - 090	Program 7
						091 - 101	Program 8
			8			102 - 112	Program 9
						113 - 123	Program 10
						124 - 134	Program 11
						135 - 145	Program 12
						146 - 156	Program 13
						157 - 167	Program 14
						168 - 178	Program 15
						179 - 189	Program 16
						190 - 200	Program 17
						201 - 211	Program 18
						212 - 222	Program 19
						223 - 233	Program 20
						234 - 244	Program 21
						245 - 255	Program 22

DMX TRAITS

NOTES ON DMX TRAITS:

7-Channel Mode:
Channels 1, 2, 3, and 4 are disabled when Channel 5 is in use.

8-Channel Mode:
- When Channel 7 is set between 000-051, Channels 1-4 will be used, and Channel 6 will control strobing.
- When Channel 7 is set between 052-102, Channel 8 is in Color Macros Mode, and Channel 6 will control strobing.
- When Channel 7 is set between 103-204, Channel 8 is in Program Mode, and Channel 6 will control program speed.
- When Channel 7 is set between 205-255, Channel 8 is in Sound Active Mode, and Channel 6 will control sound sensitivity.
- When Channel 8 is set between 234-255 (programs 21 & 22), Channel 3 will select a flow color, Channel 4 will select a base color, and Channel 6 will control the speed of the flow color. Refer to the Color Macros Chart section of this manual to see information about selectable flow and base colors.

9-Channel Mode:
- When Channel 5 is in use, Channels 1-4 will be disabled.
- When Channel 6 is set between 016-245, Channel 7 will control program speed.
- When Channel 6 is set between 246-255, Channel 7 will control sound sensitivity.

COLOR MACROS CHART

COLOR NO.	DMX VALUES	COLOR INTENSITY			
		RED	GREEN	BLUE	AMBER
Color1 (Off)	000 - 020	0	0	0	0
Color2	021 - 025	255	0	0	0
Color3	026 - 030	0	255	0	0
Color4	031 - 035	0	0	255	0
Color5	036 - 040	0	0	0	255
Color6	041 - 045	255	255	0	0
Color7	046 - 050	255	0	255	0
Color8	051 - 055	255	0	0	255
Color9	056 - 060	0	255	255	0
Color10	061 - 065	0	255	0	255
Color11	066 - 070	0	0	255	255
Color12	071 - 075	255	255	255	0
Color13	076 - 080	255	255	0	255
Color14	081 - 085	0	255	255	255
Color15	086 - 090	255	0	255	255
Color16	091 - 095	255	255	255	255
Color17	096 - 100	255	206	143	0
Color18	101 - 105	254	177	153	0
Color19	106 - 110	254	192	138	0
Color20	111 - 115	254	165	98	0
Color21	116 - 120	254	121	0	0
Color22	121 - 125	176	17	0	0
Color23	126 - 130	96	0	11	0
Color24	131 - 135	234	139	171	0
Color25	136 - 140	254	5	97	0
Color26	141 - 145	175	77	173	0
Color27	146 - 150	119	130	199	0
Color28	151 - 155	147	164	212	0
Color29	156 - 160	88	2	163	0
Color30	161 - 165	0	38	86	0
Color31	166 - 170	0	142	208	0
Color32	171 - 175	52	148	209	0
Color33	176 - 180	1	134	201	0

COLOR MACROS CHART

COLOR NO.	DMX VALUES	COLOR INTENSITY			
		RED	**GREEN**	**BLUE**	**AMBER**
Color34	181 - 185	0	145	212	0
Color35	186 - 190	0	121	192	0
Color36	191 - 195	0	129	184	0
Color37	196 - 200	0	83	115	0
Color38	201 - 205	0	97	166	0
Color39	206 - 210	1	100	167	0
Color40	211 - 215	0	40	86	0
Color41	216 - 220	209	219	182	0
Color42	221 - 225	42	165	85	0
Color43	226 - 230	0	46	35	0
Color44	231 - 235	8	107	222	0
Color45	236 - 240	107	156	231	0
Color46	241 - 245	165	198	247	0
Color47	246 - 250	0	0	189	0
Color48	251 - 255	165	35	1	0

BATTERY STATUS AND CHARGING

BATTERY STATUS:

This function is used to check the remaining charge of the battery. Plug the fixture in and press the MODE button until "bXXX" is displayed. "XXX" represents an number between "000" and "100", and indicates the remaining battery life percentage. If "b---" is displayed, it means the battery is depleted, or that the device is running on AC power. Try to avoid depleting the battery completely, as this can shorten the operational life of the battery.

Example: If "b050" is displayed, this means that half of the battery's full capacity is remaining. If "b025" is displayed, this means that a quarter of the battery's full capacity is remaining.

NOTE: When the battery is charging or if the battery life is below 30%, the digital display will flash.

NOTE: After 20 seconds of inactivity, the display will revert back to the battery life display.
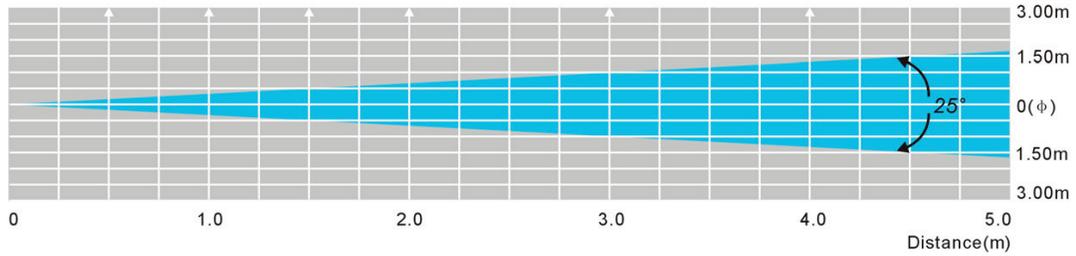
BATTERY RECHARGE:

To recharge the battery, plug the supplied AC cord into the AC input on the side of the unit and connect to a matching power supply. A full recharge takes about 5.5 hours. The display will STOP flashing when the unit reaches 100% charge.

NOTE: When unplugging the unit from charging and then applying power via battery, there will be a slight charge drop.
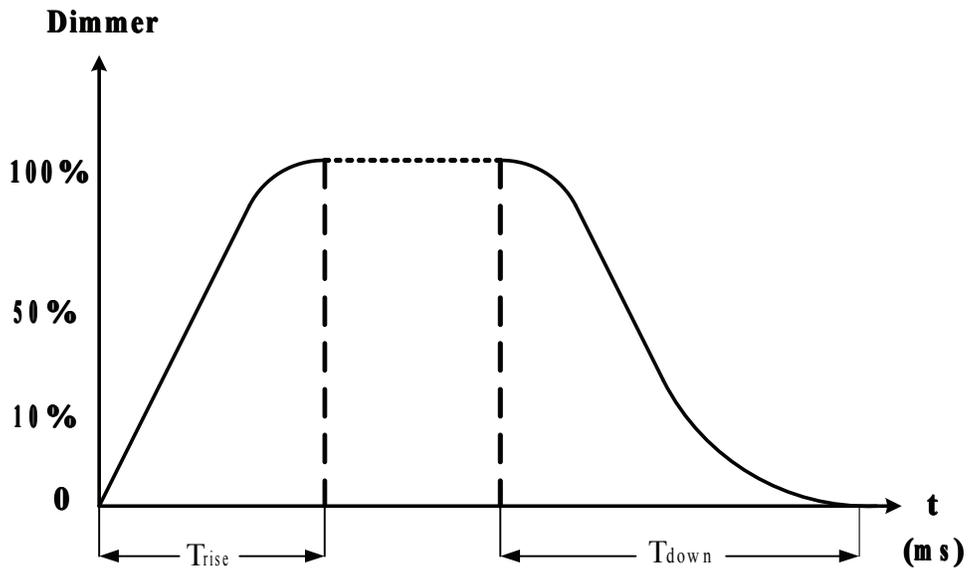
For a faster recharge, put the Load Switch in the "Off" position and the Battery Switch in the "ON" position.

PHOTOMETRIC CHART

R	D25	943	335	132	60	45	
G	D25	1022	369	149	80	41	
B	D25	1012	292	135	62	43	lux
A	D25	898	290	127	69	42	
RGBA	D25	3440	1100	552	300	185	

DIMMER CURVE CHART

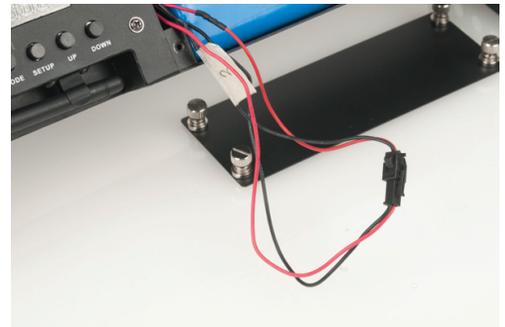| DMX delay / Delay mode	Trise(ms)	Tdown(ms)
dr-0	0	0
dr-1	800	1300
dr-2	1010	1560
dr-3	1200	1950
dr-4	1280	2600

BATTERY REPLACEMENT

1. Unscrew the four thumbscrews that hold the battery door in place.

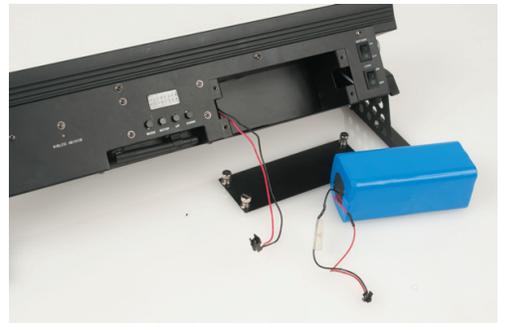2. Remove the battery door in order to gain access to the battery.
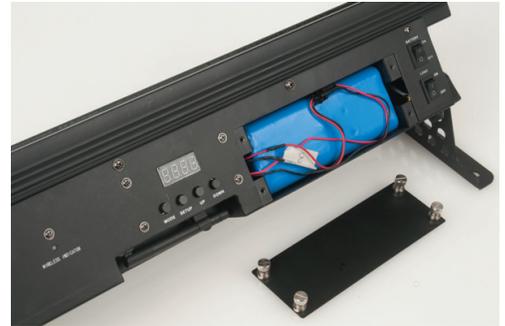
3. Carefully extract the connector cables from the battery compartment.

4. Remove the battery from the battery comparment, then carefully disconnect the cables.

5. The battery is now completely disconnected, as shown in the image to the right. Install the new battery by reversing the steps listed above.

FUSE REPLACEMENT

Disconnect the unit from its power source, and remove the power cord from the unit. Locate the fuse holder inside the power socket, then 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. Please note that one slot of the fuse holder is a holder for a spare fuse.

TROUBLE SHOOTING

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

Unit not responding to DMX:
Check that the DMX cables are connected and 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, as the way in which the inputs and outputs are connected does affect the operation of the device.

Unit does not respond to sound:
*   Quiet or high pitched sounds will not activate the unit.
*   Make sure that Sound Active mode is enabled.

CLEANING

Due to fog residue, smoke, and dust, cleaning the internal and external optical lenses must be carried out periodically in order to optimize light output.
*   Use normal glass cleaner and a soft cloth to wipe down the outside casing.
*   Periodically clean the external optics with glass cleaner and a soft cloth.
*   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).

SPECIFICATIONS

Model: *Wifly Bar QA5*
Voltage: 100V ~ 240V / 50-60 Hz
Battery Life: 6 Hours Full On (Full Charge)
Battery Lifetime:*   500 Charges (Average Lifetime)
LEDs: 5 x 5W Quad LEDs (RGBA 4-in-1)
Beam Angle: 25 Degrees
Working Position: Any Safe Working Position
Power Draw: 58W
Power Cord Daisy Chain: 10 Fixtures Max
Fuse: 2 Amp
Weight: 9 Lbs. / 4 Kgs.
Dimensions: 20" (L) x 6" (W) x 6" (H)
                                  502mm (L) x 150mm (W) x 152mm (H)
Colors: RGBA Color Mixing
DMX Channels: 6 DMX Modes: 4-, 6-, 7-, 8-, 9-, & 22-channel mode
Warranty:**   2 Year (730 Days) Limited Warranty

* Battery lifetime depends on charging frequency.
** See *Warranty* section of this manual for warranty details.

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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