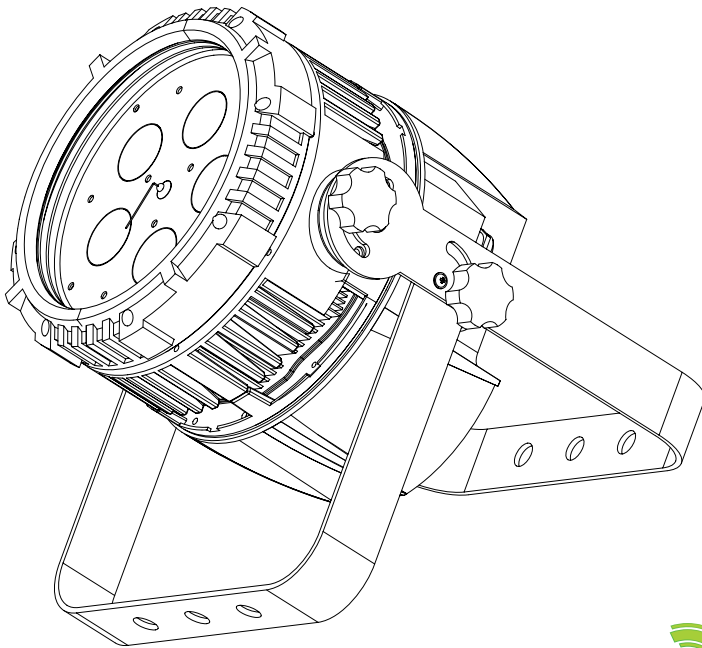




# WiFly QA5 IP



## *User Instructions*

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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!

## WiFly QA5 IP

## Introduction

**Unpacking:** Thank you for purchasing the WiFly QA5 IP by ADJ Products, LLC. Every WiFly QA5 IP 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 WiFly QA5 IP is an IP65 outdoor rated, DMX intelligent, LED par fixture with ADJ's WiFly TransCeiver with wireless DMX built-in. This fixture can be used in a stand alone mode or connected in a Master/Slave configuration. This wash has six operating modes: Auto Change mode, Auto Fade mode, Auto mode, RGBA mode, Static Color mode, and DMX control mode.

**Customer Support:** ADJ Products, LLC provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at [www.adj.com](http://www.adj.com) for any comments or suggestions. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Pacific Standard Time.

Voice: (800) 322-6337  
Fax: (323) 582-2941  
E-mail: [support@AmericanDJ.com](mailto:support@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 manufacturer's warranty. In the unlikely event your unit may require service please contact ADJ Products, LLC.

**PLEASE recycle the shipping carton when ever possible.**

## WiFly QA5 IP

## Features

- Multi-Colors
- Six Operating Modes
- Electronic Dimming 0-100%
- DMX-512 protocol
- 3-Pin DMX Connection
- 5 DMX Channel Modes: 4 Channel Mode, 5 Channel Mode, 6 Channel Mode, 10 Channel Mode, & 11 Channel Mode
- Built-In ADJ's WiFly TransCeiver Wireless DMX
- ADJ RFC compatible (Not Included)
- Power Cord Daisy Chain (See page 25)

## WiFly QA5 IP

## Warranty Registration

The WiFly QA5 IP carries a 2 year (730 Days) 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 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 a R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying a R.A. number on the outside of the package will be returned to the shipper.

## WiFly QA5 IP

## Installation

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

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- Do not spill water or other liquids into or on to your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it's cover is removed.
- Never plug this unit in to a dimmer pack
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only, use of this product out doors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 25 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.

**CAUTION: This unit like any wireless device is highly susceptible to static electricity. Static electricity can severely damage the unit.**

**Power Supply:** The ADJ WiFly QA5 IP contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source. With this switch there is no need to worry about the correct power voltage, this unit can be plugged in anywhere.

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

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

**Data Cable (DMX Cable) Requirements (For DMX Operation):** The WiFly QA5 IP can be controlled via DMX-512 protocol. The WiFly QA5 IP has 8 DMX channel modes, please see pages 9-10 for the different modes. The DMX address is set on the back panel of the WiFly QA5 IP. 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 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

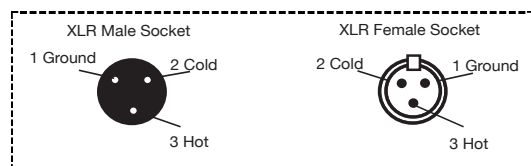


Figure 3

**Special Note: Line Termination.** When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.



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

Figure 4

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

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

### LED Display On/Off:

To set the LED display to turn off after 60 seconds, press the MODE button until "don" is displayed, press the UP button to display "doff". Now the display will disappear after 60s. Press any button 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 "dXX" is displayed. Use the UP or DOWN buttons to select either:

"don" = LED display on at all times.

"doFF" = LED display shuts off after 60 seconds.

### LED Display Inversion:

Follow these instructions to flip the display 180° so that the display can be read upside down.

1. Plug the fixture in and press the MODE button until "dXX" is displayed. "XX" represents either "on" or "oFF".
2. Press the SET UP button until "Std" or "rev" is displayed.
3. Press the UP or DOWN buttons to reverse the display 180°.

### Operating Modes:

The WiFly QA5 IP has six operating modes:

- Static Color Mode - There are 64 colors to choose from.
- RGBA Dimmer Mode - Choose one of the four colors to remain static or adjust the intensity of each color to make your desired color.
- Auto Change Mode - The unit will run 1 of 16 color change programs at your desired speed.
- Auto Fade Mode - The unit will run 1 of 16 color fade programs at your desired speed.
- Auto Mode - The unit will run both color change and color fade at your desired speed.
- DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller such as the ADJ Show Designer™.

### RGBA Dimmer Mode:

1. Plug the fixture in and press the MODE button until:
2. When "r.XXX" is displayed you are in Red dimming mode. Press the UP and DOWN buttons to adjust intensity.



3. When “G.XXX” is displayed you are in Green dimming mode. Press the UP and DOWN buttons to adjust intensity.
4. When “b.XXX” is displayed you are in Blue dimming mode. Press the UP and DOWN buttons to adjust intensity.
5. When “A.XXX” is displayed you are in Amber dimming mode. Press the UP and DOWN buttons to adjust intensity.
6. After you have adjusted the RGBA colors to make your desired color you can then activate strobing by pressing the SET UP button to enter the Flash (strobe) mode.
7. “FS.XX” will be displayed, this is Flash mode. The Flash can be adjusted between “FS.00” (flash off) to “FS.15” (fastest flash).

#### ***Auto Change Mode:***

1. Plug the fixture in and press the MODE button until “AJXX” is displayed. “XX” is the displayed Color Change program that is running.
2. Use the UP and DOWN button to scroll through the different programs.
3. After you have chosen your desired program press the SET UP button. “SP.XX” will be displayed. When this is displayed you can adjust the running speed of your selected program. Use the UP or DOWN button to adjust the speed between “SP.01” (slowest) and “SP.16” (fastest). Once you have set your desired running speed, press the SET UP button to return to your selected Auto Change Mode.

#### ***Auto Fade Mode:***

1. Plug the fixture in and press the MODE button until “AFX” is displayed. “XX” is the displayed Color Change program that is running.
2. Use the UP and DOWN button to scroll through the different programs.
3. After you have chosen your desired program press the SET UP button. “SP.XX” will be displayed. When this is displayed you can adjust the running speed of your selected program. Use the UP or DOWN button to adjust the speed between “SP.01” (slowest) and “SP.16” (fastest). Once you have set your desired running speed, press the SET UP button to return to your selected Auto Fade Mode.

#### ***Auto Run Mode:***

1. Plug the fixture in and press the MODE button until “Auto” is displayed.
2. To adjust the running speed of the Auto mode press the SET UP button. “SP.XX” will be displayed. When this is displayed you can adjust the running speed of your selected program. Use the UP or DOWN button to adjust the speed between “SP.01” (slowest) and “SP.16” (fastest). Once you have set your desired running speed, press the SET UP button to return to Auto Run Mode.

#### ***Static Color Mode:***

1. Plug the fixture in and press the MODE button until “CLXX” is displayed. “XX” represents the current color number displayed.
2. There are 64 colors to choose from. Select your desired color by pressing the UP and DOWN buttons. After you have selected your desired color you can activate strobing by pressing the SET UP button to enter the Flash (strobe) mode.
3. “FS.XX” will be displayed, this is Flash mode. The Flash can be adjusted between “FS.00” (flash off) to “FS.15” (fastest flash).

#### ***DMX Mode:***

Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. This function also allows you to use your fixtures as spot lights. The WiFly QA5 IP has 5 DMX modes: 4 Channel mode, 5 Channel mode, 6 Channel mode, 10 Channel mode, and a 11 Channel mode. See pages 18-23 for each modes’ DMX traits.

1. This function will allow you to control each individual fixture’s traits with a standard DMX 512 controller.
2. To run your fixture in DMX mode press the MODE button until “d.XXX” is displayed. “XXX” represents the current displayed address. Use the UP or DOWN buttons to select your desired DMX address. then press the SET UP button to select your DMX Channel mode.
3. When you press SET UP “ChXX” should be displayed. “XX” represent the current DMX Channel Mode.
4. Use the UP or DOWN buttons to scroll through the DMX Channel

modes. The Channel modes are listed below:

To run the 4 Channel Mode, press the MODE button until “Ch04” is displayed. This is the 4 Channel DMX Mode.

To run the 5 Channel Mode, press the MODE button until “Ch05” is displayed. This is the 5 Channel DMX Mode.

To run the 6 Channel Mode, press the MODE button until “Ch06” is displayed. This is the 6 Channel DMX Mode.

To run the 10 Channel Mode, press the MODE button until “Ch10” is displayed. This is the 10 Channel DMX Mode.

To run the 11 Channel Mode, press the MODE button until “Ch11” is displayed. This is the 11 Channel DMX Mode.

5. Please see pages 18-23 for DMX values and traits.
6. After you have chosen your desired DMX Channel mode plug in the fixture via the XLR connections to any standard DMX controller.

#### **Default Running Mode:**

This is a default running mode. When this mode is activated all modes will return to their default settings.

1. Plug the fixture in and press the MODE button until “dXX” is displayed. “XX” represents either “on” or “off”.
2. Press the SET UP button until “dEFA” is displayed.
3. Press the UP and DOWN buttons simultaneously. Press the MODE button to exit.

#### **ADJ RFC:**

This function is used to activate and deactivate the ADJ RFC (Remote Control). When this function is activated you can control the fixture using the ADJ RFC. Please see the next page for ADJ RFC controls and functions.

1. Plug the fixture in and press the MODE button until “dXX” is displayed. “XX” represents “on” or “off”.
2. Press the SET UP button until “rFXX” is displayed. “XX” represents either “on” or “off”.
3. Press the UP or DOWN buttons to either activate the remote function (On) or deactivate it (Off).

#### **WiFLY On/Off:**

This function is used to turn the WiFly function on and off.

1. Plug the fixture in and press the MODE button until “rCXX” is displayed. “XX” represents a number between 00-15.
2. Press the UP or DOWN buttons to either activate the remote function (On) or deactivate it (Off).

#### **WiFLY Address:**

This function is used to set the WiFly address. This address must match the address that is set to WiFly Transceiver or WiFly controller.

1. Plug the fixture in and press the MODE button until “rCXX” is displayed. “XX” represents a number between 00-15.
2. Press the UP or DOWN buttons to either activate the remote function (On) or deactivate it (Off).

#### **Dimmer Curve Setting:**

1. Plug the fixture in and press the MODE button until “d.XXX” is displayed (DMX address setting). Press the SET UP button until “dr-X” is displayed, “X” representing a number between 0-4.
2. There are 5 dimmer curve settings to choose from. Please see the Dimmer Curve Diagram Chart on page 24 to see the settings and their respective beginning and ending fade times.

**Master-Slave Configuration:**

This function will allow 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 unit's 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 data 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. Set the "Master" unit to your desired mode of operation.
3. On the "Slave" units press the MODE button until "SLAu" is displayed. The unit is now set as the "Slave" unit. Each slave unit must be set to the same setting.
4. Connect the first "Slave" unit to the "Master", and the "Slave" unit should now start follow the "Master".

With this feature you are able to control the unit with DMX without the need of XLR cables. Your DMX controller must be connected to a ADJ WiFly Transceiver to use this function. You are able to communicate up to 400 feet (open line of sight)

**NOTE: The ADJ RFC control must be set to OFF to use this function. See pages 10-11 to turn OFF ADJ RFC.**

1. Turn on the WiFly function using the instructions on page 11.
2. Follow the instructions on page 11 to set the Wireless address. The address must match the address set on the WiFly Transceiver.
3. After you have set the WiFly address, follow the DMX instructions on pages 9-10 to select your desired DMX Channel mode and set your DMX address.
4. Apply power to the ADJ WiFly Transceiver. The fixture must be set up first before you apply power to WiFly Transceiver.

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

This feature will let you link units to run in a master-slave 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 pages 10-11 to turn OFF ADJ RFC.**

1. Follow the instructions on page 11 to set the Wireless address. The addresses on each fixture must be the same.
2. After you have set the WiFly address, select your master unit and set your desired operating mode.
3. Turn on the WiFly function using the instructions on page 11.
4. For the Slave units, put the unit in Slave mode. See page 15 Master-Slave configuration when setting the unit as a Slave. Then switch ON the WiFly power switch.

**NOTE: If they do not sync up master-slave, switch the Master fixtures WiFly power switch off then on again.**

**WiFly QA5 IP****ADJ RFC Operation**

The **ADJ RFC** remote (sold separately) has many different functions and allows you to control your WiFly QA5 IP from long distance. The **ADJ RFC** remote can control your system up to 150 ft. To use the RFC you must first activate the fixtures receiver, to activate the receiver please see the instructions on page 14.

**BLACKOUT** - Pressing this button will blackout the fixture.

**AUTO RUN** - This button will run an automatic program. There are 3 Auto Run programs to choose from. Each press of the button will switch between the different modes. You can control the speed of the Auto Run modes by pressing the SPEED button and then pressing the “+” and “-” buttons.

- AFXX = Color Fade mode, there are 16 Color Fade modes to choose from. Use the UP or DOWN buttons to scroll through the different Auto Fade modes.
- AJXX = Color Change mode, there are 16 Color Change modes to choose from. Use the UP or DOWN buttons to scroll through the different Auto Change modes.
- A-JF = Both Color Fade and Color Change modes running.

**PROGRAM SELECTION** - Press this button to switch between Static Color mode and Slave mode. Each press of this button will switch between the two modes. When in Static Color mode, use the “+” or “-” to scroll through the 64 colors. Once you have found your color, you can press the FLASH button to activate strobing and use the “+” or “-” to adjust the Flash rate.

**FLASH** - This button will activate the flash (strobe) effect. You can control the flash speed by pressing the “+” and “-” buttons.

**SPEED** - Press this button and use the “+” & “-” buttons to adjust the speed of the Auto run mode.

**R G B W/A** - Press either one of these buttons and then press the “+” or “-” to adjust the brightness. Press the FLASH button to activate strobing and use the “+” or “-” to adjust the Flash rate.

**“+” and “-”** - Use these buttons to adjust the flash rate, speed of the Auto Run mode, Auto Run program selection, and color select.

**WiFly QA5 IP****4 Channel - DMX Values & Functions**

Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	AMBER 0% - 100%

**WiFly QA5 IP****5 Channel - DMX Values & Functions**

Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	AMBER 0% - 100%
5	0 - 255	MASTER DIMMER 0% - 100%



WiFly QA5 IP 6 Channel - DMX Values & Functions		
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	AMBER 0% - 100%
5	0 - 255	MASTER DIMMER 0% - 100%
6	0 1 - 255	STROBING OFF STROBING SLOW - FAST

WiFly QA5 IP 10 Channel - DMX Values & Functions		
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	AMBER 0% - 100%
5	0 - 255	MASTER DIMMER 0% - 100%
6	0 1 - 255	STROBING OFF STROBING SLOW - FAST
7	0 - 51 52 - 102 103 - 153 154 - 204 205 - 255	PROGRAM SELECTION MODE DIMMING MODE COLOR MACRO MODE COLOR CHANGE MODE COLOR FADE MODE AUTO RUN MODE
8	0 - 255  0 - 15 16 - 31 32 - 47 48 - 63 64 - 79 80 - 95 96 - 111 112 - 127 128 - 143 144 - 159	COLOR MACROS/PROGRAMS/ COLOR MACRO MODE (See 1 Channel DMX mode for colors)  COLOR CHANGE MODE COLOR CHANGE 1 COLOR CHANGE 2 COLOR CHANGE 3 COLOR CHANGE 4 COLOR CHANGE 5 COLOR CHANGE 6 COLOR CHANGE 7 COLOR CHANGE 8 COLOR CHANGE 9 COLOR CHANGE 10

WiFly QA5 IP 10 Channel - DMX Values & Functions		
Channel	Value	Function
8		<u>COLOR CHANGE MODE CONT.</u>
	160 - 175	COLOR CHANGE 11
	176 - 191	COLOR CHANGE 12
	192 - 207	COLOR CHANGE 13
	208 - 223	COLOR CHANGE 14
	224 - 239	COLOR CHANGE 15
	240 - 255	COLOR CHANGE 16
		<u>COLOR FADE MODE</u>
	0 - 15	COLOR FADE 1
	16 - 31	COLOR FADE 2
	32 - 47	COLOR FADE 3
	48 - 63	COLOR FADE 4
	64 - 79	COLOR FADE 5
	80 - 95	COLOR FADE 6
	96 - 111	COLOR FADE 7
	112 - 127	COLOR FADE 8
	128 - 143	COLOR FADE 9
	144 - 159	COLOR FADE 10
	160 - 175	COLOR FADE 11
	176 - 191	COLOR FADE 12
	192 - 207	COLOR FADE 13
	208 - 223	COLOR FADE 14
	224 - 239	COLOR FADE 15
	240 - 255	COLOR FADE 16
	0 - 255	AUTO RUN MODE
9		PROGRAM SPEED
	0 - 255	SPEED CONTROL SLOW - FAST

See the next page for Channel 10 values and traits.

WiFly QA5 IP 10 Channel - DMX Values & Functions		
Channel	Value	Function
10		DIMMER CURVES
	0 - 20	STANDARD
	21 - 40	STAGE
	41 - 60	TV
	61 - 80	ARCHITECTURAL
	81 - 100	THEATER
	101 - 255	DEFAULT TO UNIT CURVE SETTING

**When Channel 7 is between the values of 0-51, Channels 1-4 are used, and Channel 6 will control strobing.**

**When Channel 7 is between the values of 52-102, Channel 8 is in Color Macros Mode, and Channel 6 will control strobing.**

**When Channel 7 is between the values of 103-153, Channel 8 is in Color Change Mode, and Channel 9 will control the color change speed.**

**When Channel 7 is between the values of 154-204, Channel 8 is in Color Fade Mode, and Channel 9 will control the color fade speed.**

**When Channel 7 is between the values of 205-255, Channel 8 is in Auto Run Mode, and Channel 9 will control the auto run speed.**

WiFly QA5 IP 11 Channel - DMX Values & Functions		
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	AMBER 0% - 100%
5	0 - 255	MASTER DIMMER 0% - 100%
6	0 1 - 255	STROBING OFF STROBING SLOW - FAST
7	0 - 51 52 - 102 103 - 153 154 - 204 205 - 255	PROGRAM SELECTION MODE DIMMING MODE COLOR MACRO MODE COLOR CHANGE MODE COLOR FADE MODE AUTO RUN MODE
8	0 - 255  0 - 15 16 - 31 32 - 47 48 - 63 64 - 79 80 - 95 96 - 111 112 - 127 128 - 143 144 - 159	COLOR MACROS/PROGRAMS/ COLOR MACRO MODE (See 1 Channel DMX mode for colors)  COLOR CHANGE MODE COLOR CHANGE 1 COLOR CHANGE 2 COLOR CHANGE 3 COLOR CHANGE 4 COLOR CHANGE 5 COLOR CHANGE 6 COLOR CHANGE 7 COLOR CHANGE 8 COLOR CHANGE 9 COLOR CHANGE 10

WiFly QA5 IP 11 Channel - DMX Values & Functions		
Channel	Value	Function
8	160 - 175 176 - 191 192 - 207 208 - 223 224 - 239 240 - 255  0 - 15 16 - 31 32 - 47 48 - 63 64 - 79 80 - 95 96 - 111 112 - 127 128 - 143 144 - 159 160 - 175 176 - 191 192 - 207 208 - 223 224 - 239 240 - 255 0 - 255	<u>COLOR CHANGE MODE CONT.</u> COLOR CHANGE 11 COLOR CHANGE 12 COLOR CHANGE 13 COLOR CHANGE 14 COLOR CHANGE 15 COLOR CHANGE 16  <u>COLOR FADE MODE</u> COLOR FADE 1 COLOR FADE 2 COLOR FADE 3 COLOR FADE 4 COLOR FADE 5 COLOR FADE 6 COLOR FADE 7 COLOR FADE 8 COLOR FADE 9 COLOR FADE 10 COLOR FADE 11 COLOR FADE 12 COLOR FADE 13 COLOR FADE 14 COLOR FADE 15 COLOR FADE 16  AUTO RUN MODE
9	0 - 255	PROGRAM SPEED SPEED CONTROL SLOW - FAST
10	0 - 28 29 - 57 58 - 86 87 - 114 115 - 142	COLOR TEMPERATURE 3200K 3700K 4200K 4700K 5200K

## WiFly QA5 IP 11 Channel - DMX Values & Functions

Channel	Value	Function
10		COLOR TEMPERATURE
	143 - 170	5700K
	171 - 198	6200K
	199 - 226	6700K
	227 - 255	7200K
11		DIMMER CURVES
	0 - 20	STANDARD
	21 - 40	STAGE
	41 - 60	TV
	61 - 80	ARCHITECTURAL
	81 - 100	THEATER
	101 - 255	DEFAULT TO UNIT CURVE SETTING

When Channel 7 is between the values of 0-51, Channels 1-4 are used, and Channel 6 will control strobing.

When Channel 7 is between the values of 52-102, Channel 8 is in Color Macros Mode, and Channel 6 will control strobing.

When Channel 7 is between the values of 103-153, Channel 8 is in Color Change Mode, and Channel 9 will control the color change speed.

When Channel 7 is between the values of 154-204, Channel 8 is in Color Fade Mode, and Channel 9 will control the color fade speed.

When Channel 7 is between the values of 205-255, Channel 8 is in Auto Run Mode, and Channel 9 will control the auto run speed.

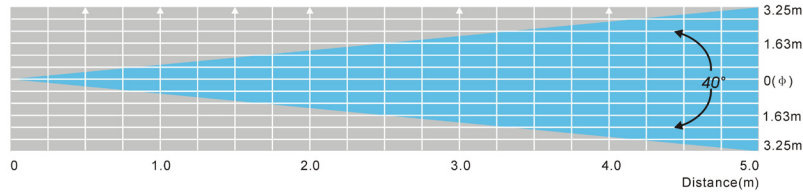
## WiFly QA5 IP Color Macro Chart

Color No.	DMX VAULE	RGBA COLOR INTENSITY				Color No.	DMX VAULE	RGBA COLOR INTENSITY			
		RED	GREEN	BLUE	AMBER			RED	GREEN	BLUE	AMBER
Color1(off)	0	0	0	0	0	Color34	129-132	255	206	143	0
Color2	1-4	80	255	234	80	Color35	133-136	254	177	153	0
Color3	5-8	80	255	164	80	Color36	137-140	254	192	138	0
Color4	9-12	77	255	112	77	Color37	141-144	254	165	98	0
Color5	13-16	117	255	83	83	Color38	145-148	254	121	0	0
Color6	17-20	160	255	77	77	Color39	149-152	176	17	0	0
Color7	21-24	223	255	83	83	Color40	153-156	96	0	11	0
Color8	25-28	255	243	77	77	Color41	157-160	234	139	171	0
Color9	29-32	255	200	74	74	Color42	161-164	224	5	97	0
Color10	33-36	255	166	77	77	Color43	165-168	175	77	173	0
Color11	37-40	255	125	74	74	Color44	169-172	119	130	199	0
Color12	41-44	255	97	77	74	Color45	173-176	147	164	212	0
Color13	45-48	255	71	77	71	Color46	177-180	88	2	163	0
Color14	49-52	255	83	134	83	Color47	181-184	0	38	86	0
Color15	53-56	255	93	182	93	Color48	185-188	0	142	208	0
Color16	57-60	255	96	236	96	Color49	189-192	52	148	209	0
Color17	61-64	238	93	255	93	Color50	193-196	1	134	201	0
Color18	65-68	196	87	255	87	Color51	197-200	0	145	212	0
Color19	69-72	150	90	255	90	Color52	201-204	255	0	0	0
Color20	73-76	100	77	255	77	Color53	205-208	0	255	0	0
Color21	77-80	77	100	255	77	Color54	209-212	0	83	115	0
Color22	81-84	67	148	255	67	Color55	213-216	0	97	166	0
Color23	85-88	77	195	255	77	Color56	217-220	1	100	167	0
Color24	89-92	77	234	255	77	Color57	221-224	0	40	86	0
Color25	93-96	158	255	144	144	Color58	225-228	209	219	182	0
Color26	97-100	255	251	153	153	Color59	229-232	42	165	85	0
Color27	101-104	255	175	147	147	Color60	233-236	0	46	35	0
Color28	105-108	255	138	186	138	Color61	237-240	8	107	222	0
Color29	109-112	255	147	251	147	Color62	241-244	107	156	231	0
Color30	113-116	151	138	255	138	Color63	245-248	165	198	247	0
Color31	117-120	151	138	255	138	Color64	249-252	0	0	255	0
Color32	121-124	138	169	255	138	Color65	253-255	0	0	0	255
Color33	125-128	255	255	255	255						

## WiFly QA5 IP

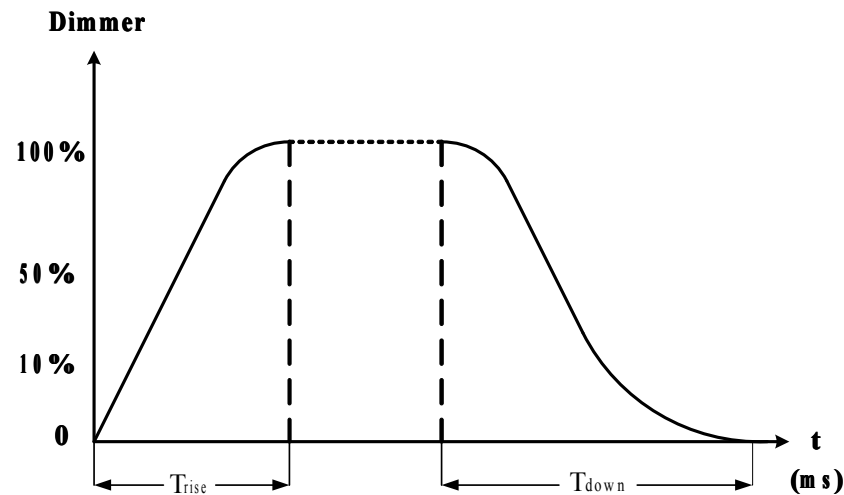
## Photometric Chart

R	D40	1071	273	114.7	62.3	40.8	lux
G	D40	1245	304	132.5	68.9	46.5	
B	D40	1166	291	121	67.4	44.5	
A	D40	556	140	58	32	21	
RGBA	D40	3520	990	389	228	136.1	



## WiFly QA5 IP

## Dimmer Curve Chart



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

## WiFly QA5 IP

## Power Cord Daisy Chain

**With this feature you can connect the fixtures to one another using the IEC input and output sockets. The quantity that can be connected is 15 fixtures maximum. After the maximum fixtures has been reached you will need to use a new power outlet. They must be the same fixtures. DO NOT mix fixtures.**

## WiFly QA5 IP

## Trouble Shooting

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

### Unit not responding to DMX:

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

## WiFly QA5 IP

## Cleaning

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

1. Use 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).



## WiFly QA5 IP

## Warranty

### 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 indentifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

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

### MANUFACTURER'S LIMITED WARRANTY PERIODS:

- **Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobos, 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 90 Day Limited Warranty)
  - **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty** (excluding faders and tact switches)
- ADJ Products, LLC - [www.adj.com](http://www.adj.com) - WiFly QA5 IP User Manual Page 26

## WiFly QA5 IP

## Specifications

### Model: WiFly QA5 IP

Voltage:	100V ~ 240V/50~60Hz
LEDs:	5 x 5W Quad LEDs (RGBA 4-in-1)
IP Rating:	65
Beam Angle:	40 Degrees
Working Position:	Any safe working position
Power Draw:	35W
Power Cord Daisy Chain:	15 Fixtures Max.
Weight:	10lbs./ 4.2Kgs.
Dimensions:	10" (L) x 7.5" (W) x 12" (H) 250 x 190 x 300mm
Colors:	RGBA Color Mixing
DMX Channels:	5 DMX Modes: 4 Channel Mode, 5 Channel Mode, 6 Channel Mode, 10 Channel Mode, & 11 Channel Mode
Warranty:	2 Year (730 days)

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

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

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