ELEMENT QAIP

User Instructions

03/19

DOCUMENT VERSION
Please check www.adj.com for the latest revision/update of this guide.

Date	Document Version	Software Version ≥	DMX Channel Mode	Notes
09/11/17	1.2	1.01	4/5/6/9/10	EU Version
20/03/19	1.3	1.07	4/5/6/9/10	USB Port for firmware Update

Contents

INTRODUCTION

Unpacking: Thank you for purchasing the Element QAIP by ADJ Products, LLC. Every Element QAIP 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 Element QAIP is a rechargeable lithium battery powered, DMX intelligent, LED par fixture with ADJ's WiFly TransCeiver with wireless DMX built-in. This unit gives you the freedom to set up your fixture where ever you wish without the restrictions of power or DMX cabling. This fixture can be used in a stand alone mode or connected in a Master/Slave configuration. This wash has five operating modes: Auto mode (color change, color fade, combination), RGBA Dimmer mode, Static Color mode, and DMX control mode.

Customer Support: If you encounter any problems, please contact your trusted American Audio shop. We also offer the possibility, to contact us directly: You can contact us via our website www.adj.eu or via email: support@adj.eu

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 ADJ Products, LLC.

PLEASE recycle the shipping carton when ever possible.

FEATURES

• Rechargeable Lithium Battery
• RGBA Color Mixing
• Five Operating Modes
• Electronic Dimming 0-100%
• Built in Microphone
• DMX-512 protocol
• 3-Pin DMX Connection
• 5 DMX Channel Modes: 4 Channel Mode, 5 Channel Mode, 6 Channel Mode, 9 Channel Mode, & 10 Channel Mode
• Built-In ADJ's WiFly TransCeiver Wireless DMX
• ADJ UC IR & Airstream IR compatible

Included Accessories:
1 x I.E.C. power cable
1 x UC IR Remote Control
1 x Airstream IR Transmitter

NOT FOR RESIDENTIAL/HOUSE HOLD USE
SUITABLE FOR DAMP LOCATIONS

• To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture

• 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 housing 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.

• 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 23 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. The appliance does not appear to operate normally or exhibits a marked change in performance.

C. The fixture has fallen and/or subjected to extreme handling.

IP54

IP54 RATED NON-PERMANENT TEMPORARY USE OUTDOOR WET LOCATIONS
An IP54 rated lighting fixture is one, which has been designed with an enclosure that effectively protects the ingress (entry) of external foreign objects and water. The **International Protection (IP)** rating system is commonly expressed as **"IP"** (Ingress Protection) followed by two numbers **(i.e. IP54)** where the numbers define the degree of protection. The first digit (Foreign Bodies Protection) indicates the extent of protection against particles entering the fixture and the second digit (Water Protection) indicates the extent of protection against water entering the fixture. An **IP54** rated lighting fixture is one, which has been designed to protect against harmful deposits of dust, (the ingress of dust is NOT totally prevented, but cannot enter in an amount sufficient to interfere with satisfactory operation of the fixture) **(5),** and water splashed against the fixture from any direction **(4)**, and is intended for temporary short-term non-continuous use locations.

⚠️

*** IP54 R A T I N G   N O T I C E * * *
TO MAINTAIN THE IP54 RATING INTEGRITY, THE CONTROL PANEL ACCESS DOOR ON THE FIXTURE MUST REMAIN COMPLETED CLOSED AT ALL TIMES TO PREVENT WATER DAMAGE AND/OR ELECTRICAL SHOCK!
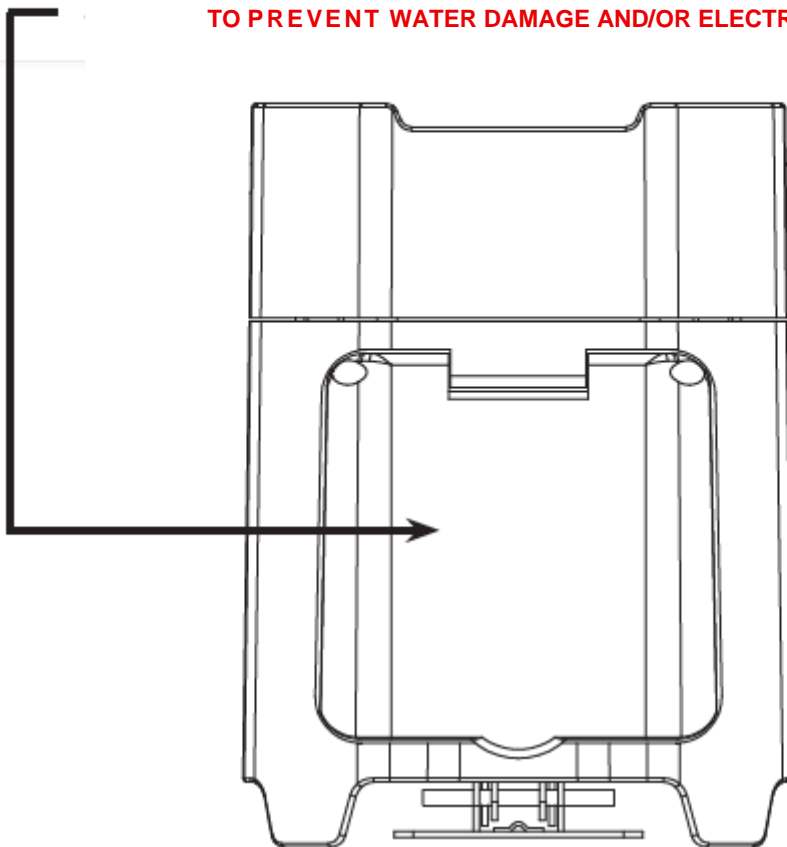
BATTERY PRECAUTIONS

1. Handling of Batteries

1.1 Do Not Short Circuit the Battery

Try to never short circuit the battery. It generates a very high current which could cause the battery to overheat which may result in electrolyte gel leakage, harmful fumes, or explosion. The LIR tabs may easily short-circuit by placing them on conductive surface. A short circuit may lead to heat build-up and damage of the battery. An appropriate circuitry with PCM is employed to protect accidental short circuit of the battery pack.

1.2 Mechanical shock

Dropping the unit, impact hit, bending, etc. may cause failure or shortened life of the LIR battery.

3. Other

3.1 Battery connection

1). Direct soldering of wire leads or devices to the battery is strictly prohibited.

2). Lead tabs with pre-soldered wiring shall be spot welded to the batteries. Direct soldering may cause damage of components, such as separator and insulator, by heat build-up.

3.2 Prevention of short circuit within a battery pack

There is enough insulation layers between wiring and the batteries to provide extra safety protection. The battery pack is constructed in a way that no short circuit will occur which may cause smoke or fire.

3.3 Do No Disassemble the Batteries

1). Never disassemble the batteries.

Doing this may cause an internal short circuit in the battery, which may lead to harmful fumes, fire, explosion, or other problems.

2). Electrolyte Gel is harmful

Electrolyte Gel should not leak from the LIR battery. 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.

3.4 Do Not Expose the Battery to Heat or Fire

Never incinerate or dispose of the batteries in fire. This may cause an explosion, which would be very dangerous.

3.5 Do Not Expose the Battery to water or liquids

Never soak/drop the batteries in liquids such as water, seawater, drinks such as soft drinks, juices, coffee or other.

3.6 Battery Replacement

For battery replacement please contact American DJ customer support (800) 322-6337 US / +31 (0)45 546 85 30 (Europe)

3.7 Do Not use a damaged Battery

The battery could be damaged during shipping, caused by shock. Should the battery be found damaged, including damages to the plastic casing of the battery, deformation of the battery package, smelling of an electrolyte, or leakage of the electrolyte gel, or other, DO NOT use the battery. A battery with an odour of electrolyte or a gel leakage should be placed away from fire to avoid fire or explosion.

4. Battery Storage

When storing the battery, it should be stored at room temperature, with a charge of at least 50%. We recommend that during long periods of storage that the battery be charged every 6 months. Doing this will prolong the life of the battery and will also make sure that the battery charge does not fall below the 30% mark.

5. Other Chemical Reaction

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 the various usage conditions such as charge, discharge, ambient temperature, etc. are not maintained within the specified ranges, the life expectancy of the battery maybe 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 they are charged correctly, this may indicate it is time to change the battery.

6. Battery Disposal

Please dispose of battery according to local regulations.
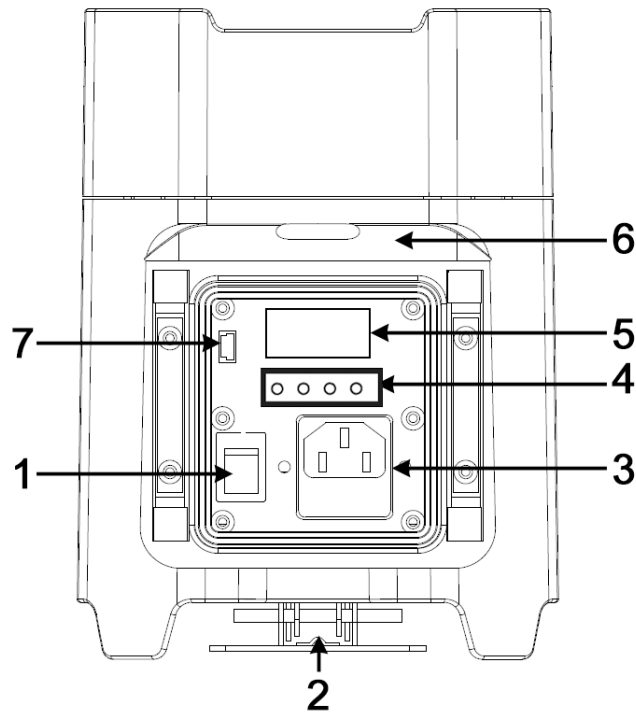
1. Battery On/Off Switch: This switch is used to activate the battery power. You must also activate the LOAD function. See page 17 "Load Setting" to activate.

2. Kickstand: This kickstand is used to angle the unit to various degrees. There are 3 different degree levels. Note: Be very cautious at the degree in which you angle the unit at, due to the fact that it could fall over.

3. Power Input & Fuse Holder: This input is used to connect the included I.E.C. power cord. After connecting the power cord, plug the other end into a matching power source. Located inside the power socket is the fuse housing. See page 23 for fuse replacement.

4. Mode Button: This button lets you scroll through the system menu.
Setup Button: This button lets you Enter submenu's.
Up & Down Button: These buttons are used to scroll through submenus and make adjustments in the submenus.

5. Digital Display: This will display the various menus, submenus, and adjustments.

6. Control Panel Access Door: Lifting this door will allow you to access the controls and functions.

7. USB Update Port

SET UP

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

DMX CONTROL

DMX Mode:

Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. ***To control this unit in DMX mode, your controller must be connected to a Wifly TranCeiver. This is a Wifly unit only.*** The Element QAIP has 5 DMX modes: 4 channel mode, 5 channel mode, 6 channel mode, 9 channel mode, and 10 channel mode. See pages 9-14 for each mode's 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 DMX address. Use the UP or DOWN buttons to select your desired DMX address, then press the SETUP button to select your DMX Channel mode.

3. 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 9 Channel Mode, press the MODE button until "Ch09" is displayed. This is the 9 Channel DMX Mode.

• To run the 10 Channel Mode, press the MODE button until "Ch010" is displayed. This is the 10 Channel DMX Mode.

4. Please see hereunder for DMX values and traits.

4 CHANNEL MODE

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 CHANNEL MODE

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 CHANNEL MODE

Channel	Value	Function
1		RED
	0 - 255	0% - 100%
2		GREEN
	0 - 255	0% - 100%
3		BLUE
	0 - 255	0% - 100%
4		AMBER
	0 - 255	0% - 100%
5		MASTER DIMMER
	0 - 255	0% - 100%
6		STROBING
	0 - 31	LED OFF
	32 - 63	LED ON
	64 - 95	STROBING SLOW - FAST
	96 - 127	LED ON
	128 - 159	PULSE STROBING SLOW - FAST
	160 - 191	LED ON
	192 - 223	RANDOM STROBING SLOW - FAST
	224 - 255	LED ON

9 CHANNEL MODE

Channel	Value	Function
1		RED
	0 - 255	0% - 100%
2		GREEN
	0 - 255	0% - 100%
3		BLUE
	0 - 255	0% - 100%
4		AMBER
	0 - 255	0% - 100%
5		MASTER DIMMER
	0 - 255	0% - 100%
6		STROBING
	0 - 31	LED OFF
	32 - 63	LED ON
	64 - 95	STROBING SLOW - FAST
	96 - 127	LED ON
	128 - 159	PULSE STROBING SLOW - FAST
	160 - 191	LED ON
	192 - 223	RANDOM STROBING SLOW - FAST
	224 - 255	LED ON
7		PROGRAM SELECTION MODE
	0 - 51	DIMMING MODE
	52 - 102	COLOR MACRO MODE
	103 - 153	COLOR CHANGE MODE
	154 - 204	COLOR FADE MODE
	205 - 255	SOUND ACTIVE MODE

Channel	Value	Function
8		COLOR MACROS/COLOR CHANGE/COLOR FADE/SOUND ACTIVITY
	0 – 255	COLOR MACRO MODE
		See the Color Macro Chart on pages 15-16
		COLOR CHANGE PROGRAMS
	0 - 15	COLOR CHANGE 1
	16 - 31	COLOR CHANGE 2
	32 - 47	COLOR CHANGE 3
	48 - 63	COLOR CHANGE 4
	64 - 79	COLOR CHANGE 5
	80 - 95	COLOR CHANGE 6
	96 - 111	COLOR CHANGE 7
	112 - 127	COLOR CHANGE 8
	128 - 143	COLOR CHANGE 9
	144 - 159	COLOR CHANGE 10
	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
		COLOR FADE PROGRAMS
	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
		SOUND ACTIVE PROGRAMS
	0 - 15	SOUND ACTIVE MODE 1
	16 - 31	SOUND ACTIVE MODE 2
	32 - 47	SOUND ACTIVE MODE 3
	48 - 63	SOUND ACTIVE MODE 4
	64 - 79	SOUND ACTIVE MODE 5
	80 - 95	SOUND ACTIVE MODE 6
	96 - 111	SOUND ACTIVE MODE 7
	112 - 127	SOUND ACTIVE MODE 8
	128 - 143	SOUND ACTIVE MODE 9
	144 - 159	SOUND ACTIVE MODE 10
	160 - 175	SOUND ACTIVE MODE 11
	176 - 191	SOUND ACTIVE MODE 12
	192 - 207	SOUND ACTIVE MODE 13
	208 - 223	SOUND ACTIVE MODE 14
	224 - 239	SOUND ACTIVE MODE 15
	240 - 255	SOUND ACTIVE MODE 16

9		
		PROGRAM SPEED/SOUND SENSITIVE
	0 - 255	SLOW - FAST
	0 - 255	LEAST SENSITIVE - MOST SENSITIVE

When Channel 7 is between the values of 0-51, Channels 1-4 are used, and Channel 5 will control strobing.

When Channel 7 is between the values of 52-102, Channel 8 is in Color Macros Mode, and Channel 5 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 Sound Active Mode, and Channel 9 will control the sound sensitivity.

10 CHANNEL MODE		
Channel	**Value**	**Function**
1		RED
	0 - 255	0% - 100%
2		GREEN
	0 - 255	0% - 100%
3		BLUE
	0 - 255	0% - 100%
4		AMBER
	0 - 255	0% - 100%
5		MASTER DIMMER
	0 - 255	0% - 100%
6		STROBING
	0 - 31	LED OFF
	32 - 63	LED ON
	64 - 95	STROBING SLOW - FAST
	96 - 127	LED ON
	128 - 159	PULSE STROBING SLOW - FAST
	160 - 191	LED ON
	192 - 223	RANDOM STROBING SLOW - FAST
	224 - 255	LED ON
7		PROGRAM SELECTION MODE
	0 - 51	DIMMING MODE
	52 - 102	COLOR MACRO MODE
	103 - 153	COLOR CHANGE MODE
	154 - 204	COLOR FADE MODE
	205 - 255	SOUND ACTIVE MODE
8		COLOR MACROS/COLOR CHANGE/COLOR FADE/SOUND ACTIVITY
	0 - 255	COLOR MACRO MODE
		See the Color Macro Chart on pages 15-16
		COLOR CHANGE PROGRAMS
	0 - 15	COLOR CHANGE 1
	16 - 31	COLOR CHANGE 2
	32 - 47	COLOR CHANGE 3
	48 - 63	COLOR CHANGE 4
	64 - 79	COLOR CHANGE 5
	80 - 95	COLOR CHANGE 6
	96 - 111	COLOR CHANGE 7
	112 - 127	COLOR CHANGE 8
	128 - 143	COLOR CHANGE 9
	144 - 159	COLOR CHANGE 10
	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

Channel	Value	Function
8		COLOR FADE PROGRAMS
	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
		SOUND ACTIVE PROGRAMS
	0 - 15	SOUND ACTIVE MODE 1
	16 - 31	SOUND ACTIVE MODE 2
	32 - 47	SOUND ACTIVE MODE 3
	48 - 63	SOUND ACTIVE MODE 4
	64 - 79	SOUND ACTIVE MODE 5
	80 - 95	SOUND ACTIVE MODE 6
	96 - 111	SOUND ACTIVE MODE 7
	112 - 127	SOUND ACTIVE MODE 8
	128 - 143	SOUND ACTIVE MODE 9
	144 - 159	SOUND ACTIVE MODE 10
	160 - 175	SOUND ACTIVE MODE 11
	176 - 191	SOUND ACTIVE MODE 12
	192 - 207	SOUND ACTIVE MODE 13
	208 - 223	SOUND ACTIVE MODE 14
	224 - 239	SOUND ACTIVE MODE 15
	240 - 255	SOUND ACTIVE MODE 16
9		PROGRAM SPEED/SOUND SENSITIVE
	0 – 255	SLOW - FAST
	0 - 255	LEAST SENSITIVE - MOST SENSITIVE
10		DIMMER CURVES
	0 - 20	STANDARD
	21 - 40	STAGE
	41 - 60	TV
	61 - 80	ARCHITECTURAL
	81 - 100	THEATRE
	101 - 255	DEFAULT TO UNIT SETTING

When Channel 7 is between the values of 0-51, Channels 1-4 are used, and Channel 5 will control strobing.

When Channel 7 is between the values of 52-102, Channel 8 is in Color Macros Mode, and Channel 5 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 Sound Active Mode, and Channel 9 will control the sound sensitivity.

COLOR MACRO CHART – COLOR MACROS 1-32					
Color No.	DMX VALUE	RGBA COLOR INTENSITY			
		RED	GREEN	BLUE	AMBER
OFF	0	0	0	0	0
Color1	1-4	80	255	234	80
Color2	5-8	80	255	164	80
Color3	9-12	77	255	112	77
Color4	13-16	117	255	83	83
Color5	17-20	160	255	77	77
Color6	21-24	223	255	83	83
Color7	25-28	255	243	77	77
Color8	29-32	255	200	74	74
Color9	33-36	255	166	77	77
Color10	37-40	255	125	74	74
Color11	41-44	255	97	77	74
Color12	45-48	255	71	77	71
Color13	49-52	255	83	134	83
Color14	53-56	255	93	182	93
Color15	57-60	255	96	236	96
Color16	61-64	238	93	255	93
Color17	65-68	196	87	255	87
Color18	69-72	150	90	255	90
Color19	73-76	100	77	255	77
Color20	77-80	77	100	255	77
Color21	81-84	67	148	255	67
Color22	85-88	77	195	255	77
Color23	89-92	77	234	255	77
Color24	93-96	158	255	144	144
Color25	97-100	255	251	153	153
Color26	101-104	255	175	147	147
Color27	105-108	255	138	186	138
Color28	109-112	255	147	251	147
Color29	113-116	151	138	255	138
Color30	117-120	99	0	255	100
Color31	121-124	138	169	255	138
Color32	125-128	255	255	255	255

COLOR MACRO CHART – COLOR MACROS 33 - 64					
Color No.	DMX VALUE	RGBA COLOR INTENSITY			
		RED	GREEN	BLUE	AMBER
Color33	129-132	255	206	143	0
Color34	133-136	254	177	153	0
Color35	137-140	254	192	138	0
Color36	141-144	254	165	98	0
Color37	145-148	254	121	0	0
Color38	149-152	176	17	0	0
Color39	153-156	96	0	11	0
Color40	157-160	234	139	171	0
Color41	161-164	224	5	97	0
Color42	165-168	175	77	173	0
Color43	169-172	119	130	199	0
Color44	173-176	147	164	212	0
Color45	177-180	88	2	163	0
Color46	181-184	0	38	86	0
Color47	185-188	0	142	208	0
Color48	189-192	52	148	209	0
Color49	193-196	1	134	201	0
Color50	197-200	0	145	212	0
Color51	201-204	0	121	192	0
Color52	205-208	0	129	184	0
Color53	209-212	0	83	115	0
Color54	213-216	0	97	166	0
Color55	217-220	1	100	167	0
Color56	221-224	0	40	86	0
Color57	225-228	209	219	182	0
Color58	229-232	42	165	85	0
Color59	233-236	0	46	35	0
Color60	237-240	8	107	222	0
Color61	241-244	255	0	0	0
Color62	245-248	0	255	0	0
Color63	249-252	0	0	255	0
Color64	253-255	0	0	0	255

LCD Display Lock:

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

Operating Power:

There are two ways to supply power to this unit; battery power or AC power.

• **AC Power -** To run the unit using AC power, plug the unit into a power source, and activate the Load setting. When using AC power make sure the Battery Switch is in the OFF position.

• **Battery Power -** To run the unit using Battery power, switch the battery switch located on the bottom of the fixture into the "On" position, and activate the Load setting.

Load Setting

You need to activate this function regardless of Battery power or AC power. This function activates the LED PCB output

1. To activate Load, press the MODE button until either "bXXX", "bsXX", or "LoXX" is displayed. "XX" is the represents the current setting of those menus.

2. Press the SET UP button so that "LoXX" is displayed. "XX" represents either "oN" or "oF" (Off).

3. Press the UP or DOWN buttons so that "oN" is displayed.

Energy Saving Mode

This will decrease the LED's brightness gradually when the battery life is less than 80%, this is will extend the battery life.

1. To activate energy saving mode, press the MODE button until either "bXXX", "bsXX", or "LoXX" is displayed. "XX" is the represents the current setting of those menus.

2. Press the SET UP button so that "bS:XX" is displayed. "XX" represents either "ON" or "OFF".

3. Press the UP or DOWN button so that "ON" is displayed. If "ON" is displayed already then, the fixture is already in energy saving mode.

LED Display On/Off:

To set the LED display light to turn off after 20 seconds, press the MODE button until "dXX" is displayed. "XX" represents either ON or OFF. Press the UP or DOWN buttons so that OFF is displayed. Now the display light will turn off after 30s. Press any button to turn the display on again.

Operating Modes:

The Element QAIP has five operating modes:

• RGBA Dimmer Mode - Choose one of the four colors to remain static or adjust the intensity of each color to make your desired color.

• Sound-Active mode - The unit will react to sound, chasing through the built-in programs. There are 16 sound active modes.

• Auto Run Mode - In Auto Run mode, you can choose 1 of 16 color change modes, 1 of 16 color fade modes, or a combo color change & fade mode.

• Static Color Mode - There are 63 colors to choose from.

• DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.

Sound Active Mode:

1. Plug the fixture in and press the MODE button until "SoXX" is displayed. "XX" represents the current sound active mode (1-16).
2. Use the UP or DOWN buttons to find your desired sound active mode.
3. Press the SET UP button to enter sound sensitivity adjustment. "SJ-X" will be displayed. Use the UP or DOWN buttons to adjust the sensitivity. "SJ-1" is the lowest sensitivity, "SJ-8" is the high- est. "SJ-0" turns the sound sensitivity off.

RGBA Dimmer Mode:

1. Plug the fixture in and press the MODE button "r: XXX" is displayed. You now are in Red dimming mode. Press the UP and DOWN buttons to adjust intensity. After you have finished adjusting the intensity, or if you would like to skip to the next color, press the SET UP button.
2. When "G: XXX" is displayed you are in Green dimming mode. Press the UP and DOWN buttons to adjust intensity.
3. When "b: XXX" is displayed you are in Blue dimming mode. Press the UP and DOWN buttons to adjust intensity.
4. When "A: XXX" (Amber) is displayed you are in Amber dimming mode. Press the UP and DOWN buttons to adjust intensity.
5. After you have adjusted the colors to make your desired color you can then activate strobing by pressing the SET UP button to enter the strobe mode.
6. "FS: XX" will be displayed, this is strobe mode. The strobe can be adjusted between "00" (flash off) to "15" (fastest flash).

Static Color Mode:

1. Plug the fixture in and press the MODE button until "CLXX" is displayed.
2. There are 63 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).

Auto Run Mode:

There are 3 types of Auto Run Modes to choose from; Color Fade, Color Change, and both modes running together. The running speed is adjustable in all 3 modes.
1. Plug the fixture in and press the MODE button until either "AFXX", "AJXX", or "A-JF" is displayed.
• 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.
2. After you have chosen your desired running mode press the SET UP button until "SP.XX" is displayed. When this is displayed, you can adjust the running speed of your desired 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 desired Auto Run Mode.

DMX Mode:

Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. ***To control this unit in DMX mode, your controller must be connected to a Wifly TranCeiver. This is a Wifly unit only.*** The Element QAIP has 5 DMX modes: 4 channel mode, 5 channel mode, 6 channel mode, 9 channel mode, and 10 channel mode. See pages 9-14 for each mode's 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 DMX address. Use the UP or DOWN buttons to select your desired DMX address, then press the SETUP button to select your DMX Channel mode.

3. 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 9 Channel Mode, press the MODE button until "Ch09" is displayed. This is the 9 Channel DMX Mode.

• To run the 10 Channel Mode, press the MODE button until "Ch010" is displayed. This is the 10 Channel DMX Mode.

4. Please see pages 9-14 for DMX values and traits.

DMX State:

This mode can be used as a precaution mode, that in case the DMX signal is lost, the operating mode chosen in the setup is the running mode the fixture will go into when the DMX signal is lost. You can also set this as the operating mode you would like the unit to return to when power is applied.

1. Plug the fixture in and press the MODE button until "d.XXX" is displayed*.* "XXX" represents the current displayed DMX address.

2. Press the SET UP button so that "nodn" is displayed. Use the UP and DOWN buttons to scroll through the DMX states.

• "bLAC" (Blackout) - If the DMX signal is lost or interrupted, the unit will automatically go into standby mode.

• "LASt" (Last State) - If the DMX signal is lost or interrupted, the fixture will stay in the last DMX set up. If power is applied and this mode is set, the unit will automatically go into the last DMX set up.

• "ProG" (Auto Run) - If the DMX signal is lost or interrupted, the unit will automatically go into Auto Run mode.

3. After you have found your desired setting, press SET UP to exit.

Dimmer Curve:

This is used to set the dimming curve used with DMX mode. See page 22 for the dimming curves chart.

1. Plug the fixture in and press the MODE button until "d.XXX" is displayed*.* "XXX" represents the current displayed DMX address.

2. Press the SET UP button until "dr-X" is displayed. "X" represents the displayed dimmer curve (0-4).

• 0 - Standard
• 1 - Stage
• 2 - TV
• 3 - Architectural
• 4 - Theatre

3. Press the UP or DOWN buttons to scroll through and select your desired dimming curve.

WiFly On/Off and Wireless Addressing:

This function is used to activate the WiFly control and set the WiFly address.

NOTE: The 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. You are in wireless set up mode.

2. Press the UP or DOWN buttons the UP or DOWN buttons to turn the Wireless "On" or "Off".

3. Press the SET UP button to enter the Wireless address menu. Use the UP or DOWN buttons to select your desired Wireless address.

Activate IR Sensor:

This function is used to activate and deactivate the IR sensor. When this function is activated you can control the fixture using the UC IR or Airstream IR App. Please see page 21 for controls and functions.

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 "IrXX" is displayed. "XX" represents either "on" or "oF".

3. Press the UP or DOWN buttons to either activate the remote function (On) or deactivate it (Off).

Slave Setting:

1. Plug the fixture in and press the MODE button until "SLAv" is displayed. The unit now designate a "Slave" unit in a Master-Slave set up.

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.

WIFLY SET UP

This unit can only be controlled using WiFly. Your DMX controller must be connected to a ADJ WiFly Transceiver to use this function. You are able to communicate up to 2500 feet/760 meters (open line of sight).

1. Follow the instructions on page 20 to set the WiFly address and to activate WiFly. The address must match the address set on the WiFly WiFly Transceiver.

2. After you have set the WiFly address, follow the DMX instructions on page 19 to select your desired DMX Channel mode and set your DMX address.

3. Apply power to the ADJ WiFly Transceiver. The fixture must be set up first before you apply power to WiFly Transceiver.

4. If everything is set up properly and the fixture is receiving a Wireless signal, you should now be able to control it with a DMX controller.

WIFLY MASTER-SLAVE SET UP

Master-Slave Configuration:

This function will allows you to link units together to run in a Master-Slave setup. In a Master-Slave set up 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."

1. Follow the instructions on page 20 to set the WiFly address and to activate WiFly. 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. For the "Slave" unit(s), put the unit in Slave mode. See page 20 SLAVE SETTING to set the unit as a Slave.

4. If everything is set up correctly, the "Slave" units will start following the "Master" unit.

UC IR & AIRSTREAM APP CONTROL

The **UC IR (sold separately)** infrared remote gives you control of various functions (See below). To control the fixture, you must aim the remote at the front of the fixture and be no more than 30 feet away. To use the ADJ UC IR you must first activate the fixtures infrared sensor, to activate the sensor please see the instructions on page 20.

The **Airstream IR (sold separately)** remote transmitter plugs into the headphone jack of your iOS phone or tablet. To control your IR fixture, you must raise the volume to the maximum on your iOS phone or tablet and aim the transmitter at the fixture sensor and be no more than 15 feet away. After you have purchased the Airstream IR transmitters, the app is a free download from the app store for your iOS phone or tablet. The app comes with 3 pages of control depending on the fixture you are using. Please see below for IR functions including the corresponding app page.

Works with App page 1.

STAND BY - Pressing this button will blackout the fixture. Press the button again to return to the initial state.

FULL ON - Press this button to fully light up the unit.

FADE/GOBO - This button activates color change mode, color fade mode and color change/fade mode. Each press of the button will cycle through the modes.

"DIMMER +" and "DIMMER -" - Use these buttons to adjust the output intensity in color mode.

STROBE - Press this button to activate strobing. Use buttons 1-4 to adjust the strobe speed. "1" being the slowest, "4" being the fastest.

COLOR - Press this button to activate color mode. Use buttons 1-9 to find your desired color.

1-9 - Use buttons 1-9 to select your desired color in static color mode or your desired color fade mode and color change mode. In color fade mode and color change mode, press the Show 0 button to activate show 10. Press the 1 button twice to activate show 11.

SOUND ON & OFF - Use the buttons to activate and deactivate sound active mode.

SHOW 0 - See buttons 1-9.

BATTERY STATUS & CHARGING

Battery Status:

This function is used to check the life status of the battery.

Plug the fixture in and press the MODE button until "bXXX" is displayed. "XXX" represents the current battery life. The number that is displayed is the remaining battery life. If "b---" is displayed, it means that you are running the unit on AC power. ***Please do not let the battery fully die, this severely shortens the life of the battery.***

***NOTE:*** When the battery life is below 30% the battery percentage will flash. At 15% power the fixture will shut off.

NOTE: When using battery power, 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 plug the other end into a matching power supply. It takes about 4 hours to reach full charge (with the power off). **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 minimal charge drop.

For a faster recharge, turn the Load setting to "Off" and turn the battery "On". See **LOAD SETTING** on page 17.
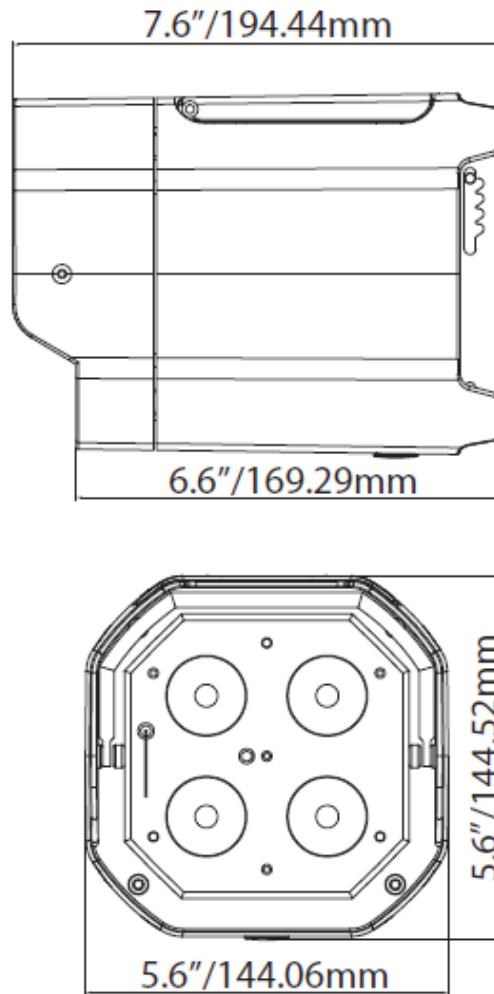
DIMMER CURVE CHART

DIMMER
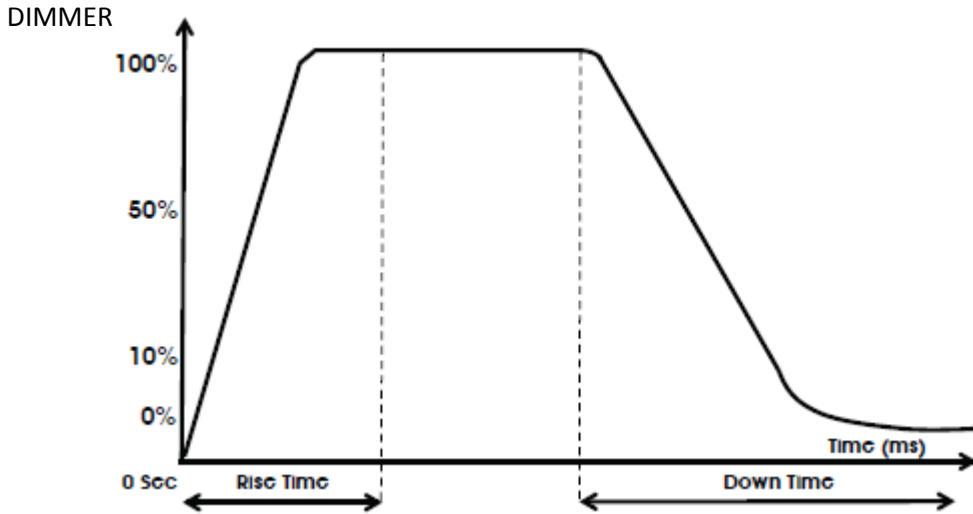
Dimming Curve Ramp Effect	0 sec Fade Time		1 sec Fade Time	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280

KICKSTAND ANGLES

DIMENSIONAL DRAWING

7.6"/194.44mm

6.6"/169.29mm

5.6"/144.52mm

5.6"/144.06mm
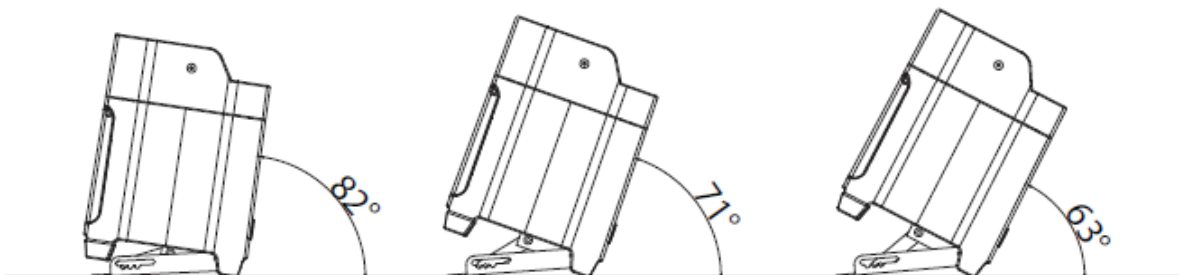
FUSE REPLACEMENT

Disconnect the unit from its power source. Remove the power cord from the unit. Once the cord has been removed, you will find that the fuse holder is located inside the power socket. Insert a flat-head screw driver into the power socket and gently pry out the fuse holder. Remove the bad fuse and replace with a new one. The fuse holder also has a holder for a spare fuse.

TROUBLE SHOOTING

Listed below are a few common problems 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.

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).

SPECIFICATIONS

Model:	**Element QAIP**
Voltage:	100V ~ 240V/50~60Hz
LEDs:	6 x 5W RGBA (4-in-1) LEDs
Beam Angle:	20 Degrees
IP Rating:	54
Working Position:	Any safe working position
Fuse:	250V, 2A
Power Draw:	42W
Weight:	6.5lbs./ 2.9Kgs.
Dimensions:	5.5" (L) x 5.5" (W) x 7.5" (H)
	140 x 140 x 192mm
Colors:	RGBA
DMX Channels:	5 DMX Modes: 4 Channel Mode, 5 Channel Mode, 6 Channel Mode,
	9 Channel Mode, & 10 Channel Mode
Battery Charge Time:	4 Hours (With LOAD Off and POWER On)
Battery Life:	**BATTERY SAVING MODE OFF**
	7.5 Hours (Full Charge Single Color)
	4 Hours (Full On)
	BATTERY SAVING MODE ON
	21 Hours (Full Charge Single Color)
	10 Hours (Full On)
Battery Lifetime*:	Average Lifetime is 500 Charges
Battery Type:	Fixed Lithium Battery
Battery Energy:	73.26WH (Watt Hours)
Battery Weight:	1 lb. / 0.42kg
Battery Voltage:	11.1V
Battery Capacity:	6.6AH
Total Lithium Ion Cells:	9pcs
Battery Wrap Material:	PVC Sleeving + Highland Barley Paper

* This depends on charging frequency

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

OPTIONAL ACCESSORIES

ORDER CODE	ITEM
EPC600	6-PACK SKB CASE

ROHS - A great Contribution to the Conservation of Environment

Dear Customer,

The European Union has adopted a directive on the restriction / prohibition of the use of hazardous substances. This directive, referred to as ROHS, is a frequently discussed topic in the electronic industry.

It restricts, among other things, six materials: Lead (Pb), Mercury (Hg), hexavalent chromium (CR VI), cadmium (Cd), polybrimated biphenyls as flame retardant (PBB), polybrominated diphenyl, also a flame retardant (PBDE). The directive applies to nearly all electronic and electrical devices whose mode of operation involves electric or electromagnetic fields – in short: each kind of electronics we have around us in our households or at work.

As manufacturers of products of the brands of AMERICAN AUDIO, ADJ, ELATION Professional and ACCLAIM Lighting, we are obligated to comply with the RoHS directive. Therefore, as early as two years prior to the directive coming into force, we started our search for alternative environmentally friendly materials and manufacturing processes.

Well before the RoHS directive took effect, all of our products were manufactured meeting the standards of the European Union. With regular audits and material tests we can still assure that the components we use are always RoHS-compliant and that the manufacturing process, as far as the state of technology allows, is environmentally friendly.

The ROHS directive is an important step to the protection of our environment. We, as manufactures, feel obligated to make our contribution in this respect.

WEEE – Waste of Electrical and Electronic Equipment

Every year thousands of tonnes of electronic components, which are harmful to the environment, end up at the waste disposals around the world. To ensure the best possible disposal or recovery of electronic components, the European Union has adopted the WEEE directive.

The WEEE-system (Waste of Electrical and Electronic Equipment) can be compared with the system of the "Green Spot", which has been in use for several years. The manufactures have to make their contribution to the utilization of waste at the time they release the product. Money resources obtained by doing so will be applied to develop a common system of waste management. Thereby we can ensure professional and environmentally friendly scraping and recycling program.

As manufactures, we are part of the German system of EAR and we make our contribution towards it.

(Registration in Germany: DE41027552)

That means that products of ADJ and AMERICAN AUDIO can be left in the collection points free of charge and they will be used in the recycling program. Products of ELATION Professional, which are used only by professionals, shall be handled by us. Please send Elation products directly to us at the end of their lifetime so that we can professionally dispose of them.

Like the above ROHS, the WEEE directive is an important contribution to the environment protection and we are glad to help to clean the environment with this disposal system.

We are happy to answer any of your inquiries and welcome your suggestions at: info@adj.eu

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