EVENT LIGHTING

Variable Colour Soft Edge Zoom Wash

F160QW

USER MANUAL

For safety, please read this user manual carefully before initial use.

Ver 3.0 (05.06.2025)

CONTENTS

Safety Instructions

WARNING

• Do not open this device; there is no user-serviceable parts inside. Risk of electric shock.

• Do not look at the light source when the device is on.

• **CAUTION**: This unit's housing may be hot during and after operation.

• Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.

• Do not leave any flammable material within 50 cm of this unit while operating or connected to power.

• Use a safety chain when mounting this device overhead.

• Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.

• Do not operate this device if the housing, lenses, or cables appear damaged.

• Do not connect this device to a dimmer or rheostat.

• ONLY connect this device to a grounded and protected circuit.

• ONLY use the hanging bracket to carry this device.

• In case of a serious operating problem, stop using immediately.

• The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz.

Link up to the maximum 8A. DO NOT exceed this number.

Product Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.

Use a safety chain when mounting this device overhead.

Fuse Replacement

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.
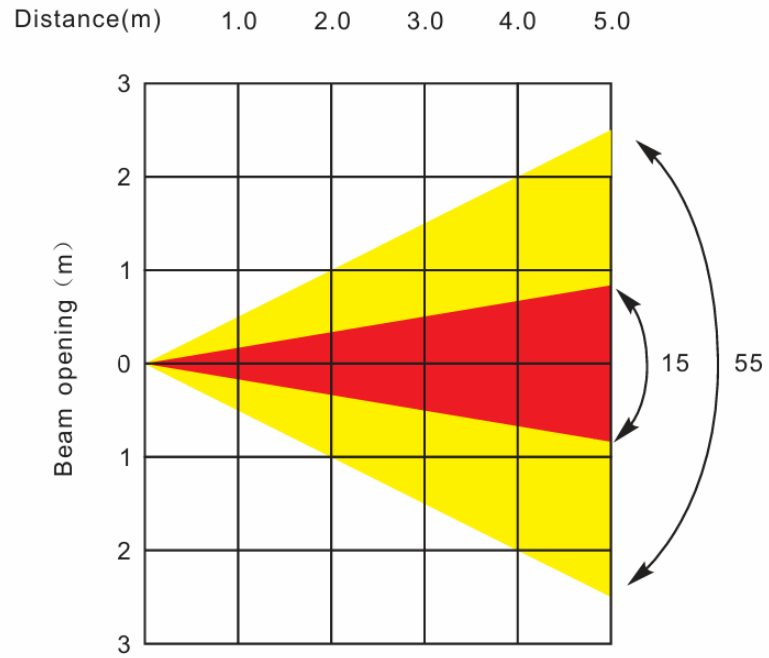
Procedure:

Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

Step 2: Remove the old fuse from the fuse holder.

Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing and fix it.

Lux Chart

Diameter(m)		Φ0.28	Φ0.55	Φ0.8	Φ1.1	Φ1.4
15						
Intensity LUX	R	3890	1035	428	288	170
	G	9600	2450	1070	620	392
	B	2180	546	236	135	85
WW 3000 K		14550	3730	1630	947	605
Full		25000	6500	3000	1710	1097

Diameter(m)		Φ1.05	Φ2.08	Φ3.13	Φ4.17	Φ5.2
55						
Intensity LUX	R	1150	263	128	72	60
	G	2780	670	295	167	112
	B	630	147	64	35	23
WW 3000 K		4200	1025	456	259	174
Full		7800	1840	820	471	325

Dimensions
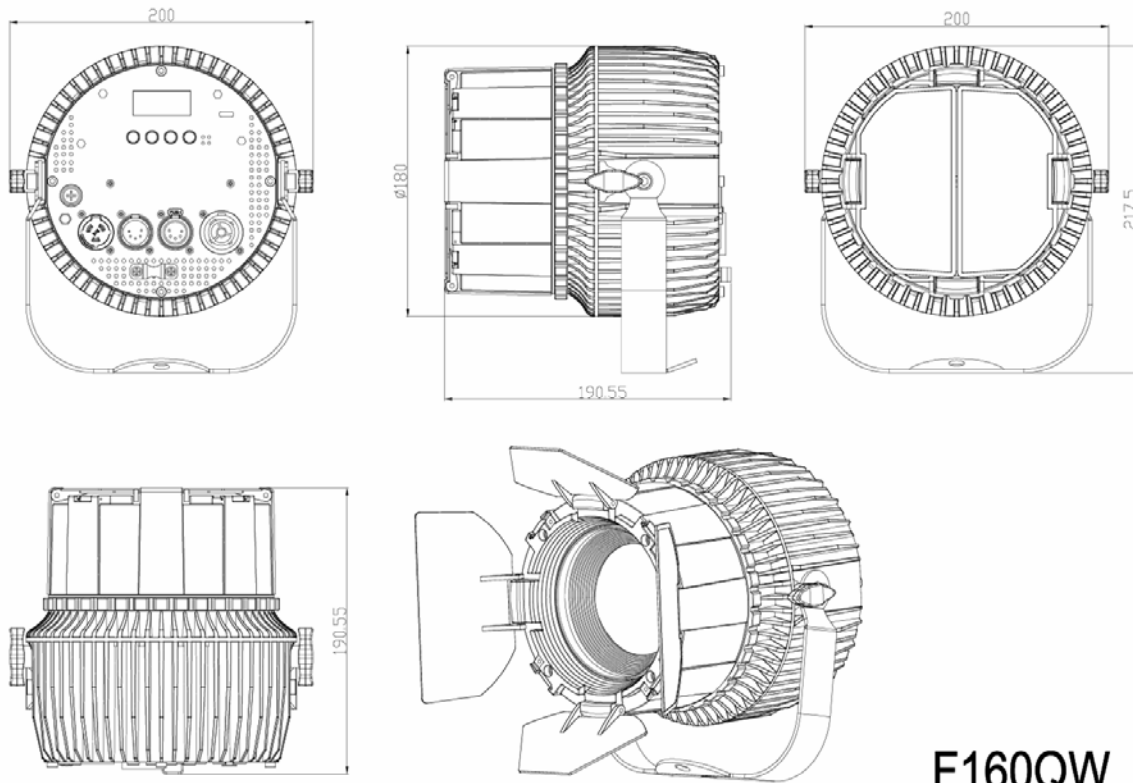
F160QW

CONTROL BOARD OPERATION

Display	Options / Values	Function
DMX Add	<001> - <508>	To set DMX address
DMX Cha	<01>, <02>, <03>,<04>, <06>,<10>,<11>,<User>	To set DMX channel modes
Dimmer	<01> <02> <03> <04> <05>	Select dimmer curve
DMXLoss	<Hold><Blacko><Manual><Auto>	Select mode when DMX loss
UserDMX	CH:<01> End	Edit a user DMX mode
StaticC	R, G, B, W, GB, RB, RG, RGB, RW, GW, BW, RGW, RBW, GBW, RGBW	Select static colour
ManualC	R<000> - <255> G<000> - <255> B<000> - <255> W<000> - <255> Dim<000>-<255> S<000> - S<100>	Set intensity of each colour separately for color mixing and strobe rate
Manual W	WT<001> - <011> <Dim000> - <Dim255>	Set the colour temperature WCT 01-11 and adjust the brightness
Auto Pr	<Pr01> - <Pr06> <Sp000> - <Sp100> <Dim000> - <Dim255>	Select built-in automatic programs, auto run speed and dimmer level
Sound	<Sen000> - <Sen100>	Select sound active mode and the sensitivity level from <Sen000> - <Sen100>
Mas/Sla	< Sla> / <Mas>	To set Master/Slave modes
Wireless	<ON><OFF> <EL Mode> <W-DMX_R> <W-DMX_T>	You need to install WDMX module inside the fixture first and then receive the DMX signal from the transmitter attached to the console by setting this on
Reset	<N> / <Y>	To reset factory default setting
Update	<N>/ <Y>	Select to update firmware
	<START>	Use this fixture to update another fixture's software

DMX Addressing:

After selecting the "DMX Add" press "Enter", use "Up" and "Down" buttons to select the desired DMX address, press "Enter" to save new setting

DMX Modes

After selecting the "DMX Cha" press "Enter", use "Up" and "Down" buttons to select the desired DMX mode, press "Enter" to save new setting

Dimmer Curve

After select the "Dimmer" and press "Enter", use "Up" and "Down" button to select the desired dimmer curves

DMX Loss

Give users the ability to set what they want as the DMX Loss.

- By Standard ,out of the box, if in DMX mode and no signal = hold along with, if receiving DMX signal and loss = hold last signal

- Give users the ability to select, call on the menu DMX Loss then let users choose Hold (hold last signal), Blackout, Manual (last manual colour) or Auto (last Auto show selected) -

User DMX

Under this item, you can essentially pick a channel and assign a function of the DMX mode.

So for example, once 'User DMX' is selected, you can click through the channels so by default it may be the max amount of channels allocated, then you can re-arrange as you please and once you are finish, put an option to have the last channel 'End' so that it stops. Say you want 10 channels, the 11th channel would be End. making it a 10 channel user mode.Then to select this mode, under DMX Channel mode it would just be 'User'.

Static Colour Mode

Entered "Static C" mode, you can select the desired solid color via the "UP" or "DOWN" buttons, press "Enter" to save new setting

8W RGBW LED		8W RGBA LED	
Value:	**Function:**	**Value:**	**Function:**
R	Red	R	Red
G	Green	G	Green
B	Blue	B	Blue
W	White	A	Amber
GB	Green + Blue	GB	Green + Blue
RB	Red + Blue	RB	Red + Blue
RG	Red + Green	RG	Red + Green
RGB	Red + Green + Blue	RGB	Red + Green + Blue
RW	Red + White	RA	Red + Amber
GW	Green + White	GA	Green + Amber
BW	Blue + White	BA	Blue + Amber
RGW	Red + Green + White	RGA	Red + Green + Amber
RBW	Red + Blue + White	RBA	Red + Blue + Amber
GBW	Green + Blue + White	GBA	Green + Blue + Amber
RGBW	Red + Green + Blue + White	RGBA	Red + Green + Blue + Amber

Manual Color Mode

Entered "Manual C" mode, use "Up" and "Down" button to select the each colour (RGBW or RGBA) intensity from 000 to 255, select strobe (S) speed from S000 to S100. (S000 is strobe off). Press "Enter" to save new setting.

Manual WCT

Select the colour temperature from <WT01> - <WT11>, then use <Up> or <Down> to select intensity between 1 – 100, Press <Enter> to confirm.

Auto Run Mode

	Function
Pr 01	R G B W colour switching
Pr 02	15 colour switching
Pr 03	R G B W colour fading
Pr 04	15 colour fading
Pr 05	Color Macros Fading
Pr 06	Multi fixture chases

Set auto run Pr 01 - Pr 05

Entered "Auto Pro" mode, use "Up" and "Down" button to select the built-in programs. Press "Enter" and use "Up" and "Down" button to select auto run speed from <Sp000> to <Sp100>. Press "Enter" and use "Up" and "Down" button to select dimmer of "Auto Pro" from <dim000> – <dim255>. Press "Enter" to save new setting.

Set multi fixture chases Pr 06

Before starting, go to each fixture and reset the menu to fixture defaults.

- On the master unit, setup the DMX address to the total number of fixtures in the string. For example, you may have a total of 20 par cans including the master, so the DMX address should be set to "20".
- On the master unit, go to master/slave menu setting and set the unit to master
- On the master unit, set the unit to "Auto Mode" "Pr 06" which supports multi fixture chases.
- On each slave unit, setup the DMX address to the fixture position in the string. For example, if this unit is the 2nd unit in the string including the master, then set the DMX address to 2. If this the last unit of 20, then the DMX address should be set to 20. It is possible to double up fixture positions as well as fixture 1.
- On each slave, go to the master/slave menu setting and set it to slave.

Master/Slave

Set the master fixture to one of the standalone operating modes.

Set the slave, enter "Mas/Sla" mode, set to "Slave", press "Enter" to save the setting.

Firmware update

Use fixture A to update fixture B's firmware

- Set fixture A to "Update" mode, select "Y" then select "START"
- Link fixture A and fixture B with DMX cable, then power up fixture B
- Press "Enter" on fixture A, fixture B's firmware will be copied from fixture A.

*Ensure that fixture A and B are of the same type, otherwise damage may occur.

* Only fixture A and B should be in the DMX chain when updating firmware.

Fade Mode
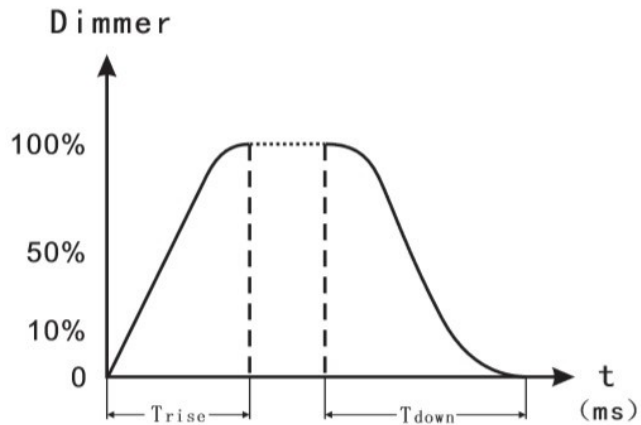
DMX mode \ DMX delay	Trise(ms)	Tdown(ms)
Standard	0	0
Stage	300	600
TV	500	800
Architec	600	1000
Theatre	620	1500

DMX Chart

1 channels Mode

Channel	Value	Function
1	000 - 255	Master dimmer(select color temp from the menu)

2 channels Mode

Channel	Value	Function
1	000 - 255	Warm white to cool white
2	000 - 255	Dimmer 0% ~ 100%

3 channels Mode

Channel	Value	Function
1	000 - 255	Red
2	000 - 255	Green
3	000 - 255	Blue

4 channels Mode

Channel	Value	Function
1	000 - 255	Red
2	000 - 255	Green
3	000 - 255	Blue
4	000 - 255	Warm White

6 channels Mode

Channel	Value	Function
1	000 - 255	Red
2	000 - 255	Green
3	000 - 255	Blue
4	000 - 255	Warm White
5	000 - 255	dimmer 0% ~ 100%
6	000 - 015	No function(Shutter on)
	016 - 119	Strobe slow to fast (1-25Hz)
	120 - 127	Shutter on
	128 - 183	Strobe random slow to fast
	184 - 191	Shutter on
	192 - 247	Strobe audio sensitivity low to high
	248 - 255	Shutter on

10 channels Mode

Channel	Value	Function		
1	000-255	Red: 0% ~ 100%		
2	000-255	Green: 0% ~ 100%		
3	000-255	Blue: 0% ~ 100%		
4	000-255	Warm White: 0% ~ 100%		
5	000-255	Master Dimmer 0% ~ 100% for CH1, 2, 3, 4, & 6		
6	000-015	No function (Shutter On)		
	016-119	Strobe Slow -> Fast(1-25HZ)		
	120-127	No function (Shutter On)		
	128-183	Strobe Random Slow -> Fast		
	184-191	Shutter on		
	192-247	Strobe audio sensitivity low to high		
	248-255	No function (Shutter On)		
7	000-019	No Function		
	020-039	RED 100% / GREEN 0% ~ 100% / BLUE 0%		
	040-059	RED 100% ~ 0% / GREEN 100% / BLUE 0%		
	060-079	RED 0% / GREEN 100% / BLUE 0% ~ 100%		
	080-099	RED 0% / GREEN 100% ~ 0% / BLUE 100%		
	100-119	RED 0% ~ 100% / GREEN 0% / BLUE 100%		
	120-139	RED 100% / GREEN 0% / BLUE 100% ~ 0%		
	140-159	RED 100% / GREEN 0% ~100% / BLUE 0% ~ 100%		
	160-179	RED 100%~ 0% / GREEN 100% ~ 0% / BLUE 100%		
	180-200	RED 100% / GREEN 100% / BLUE 100%		
	201-204	Color Temperature 1		Warm
	205-209	Color Temperature 2		
	210-214	Color Temperature 3		
	215-219	Color Temperature 4		
	220-224	Color Temperature 5		
	225-229	Color Temperature 6		
	230-234	Color Temperature 7		
	235-239	Color Temperature 8		
	240-244	Color Temperature 9		Cool
	245-249	Color Temperature 10		
	250-255	Color Temperature 11		
8	000-009	No Function		
	010-049	R G B W colour switching		
	050-090	15 colour switching		
	091-131	R G B W colour fading		
	132-172	15 colour fading		
	173-213	Color Macros Fading		
	214-255	Sound active mode		
9	000-255	Speed of auto programs (slow ~ fast) or sound sensitivity for CH8		
10	000-009	Use dimmer curve from setting of control board		
	010-057	Dimmer 1		
	058-106	Dimmer 2		

	107-155	Dimmer 3
	156-204	Dimmer 4
	205-255	Dimmer 5

11 channels Mode

Channel	Value	Function
1	000-255	Red Dim Coarse
2	000-255	Red Dim Fine
3	000-255	Green Dim Coarse
4	000-255	Green Dim Fine
5	000-255	Blue Dim Coarse
6	000-255	Blue Dim Fine
7	000-255	White Dim Coarse
8	000-255	White Dim Fine
9	000-255	Master Dimmer
10	000-015	No function (Shutter On)
	016-119	Strobe Slow -> Fast(1-25HZ)
	120-127	No function (Shutter On)
	128-183	Strobe Random Slow -> Fast
	184-191	Shutter on
	192-247	Strobe audio sensitivity low to high
	248-255	No function (Shutter On)
11	000-009	No function
	010-255	Warm white to cool white

TECHNICAL SPECIFICATIONS

Power

Power Supply: 100~240V AC, 50/60 Hz Power Consumption: 150W

Power Connection: Seetronic in / out

Photometrics

Light Source: 4 pc of 40W 4in1 RGBW(Warm White) LED

CRI: Warm white-80, but it can be up to 95 mixing with RGB (low level)

Beam Angle: 15° - 55°

Field Angle: 25° - 65°

Output: 3000 lux @3M at 15°, 820 lux @3M at 55°

Lens: 80mm Planconvex lens

PWM: 24K Hz

LED Lifespan: 50,000 hours

Effects

Dimming: 16-bit 0 - 100%

Strobe: 1 – 25 Hz

Zoom: Manual Zoom 15° to 55° Barn Door: Included

Gel Clip: Included

Control

Operational Modes: Manual, Master / Slave & DMX ,WDMX (Optional), RDM

Display: 4-button LCD control panel

DMX Protocol: DMX512

DMX Channel Mode: 1 / 2 / 3 / 4 / 6 / 10 / 11 / User

DMX Interface: 5-pin XLR (Optional 3-pin XLR)

Housing

Housing Materials: Die- cast Aluminum Housing Housing Finishing: Matte Black

Cooling: Fanless Cooling with Temperature Protection Net Weight: 3.4 kg

Dimension: 217.5 X 190.5 X 200mm

WARRANTY

Please refer to your local dealer or please contact Eventec

Website: www.eventec.com.au.