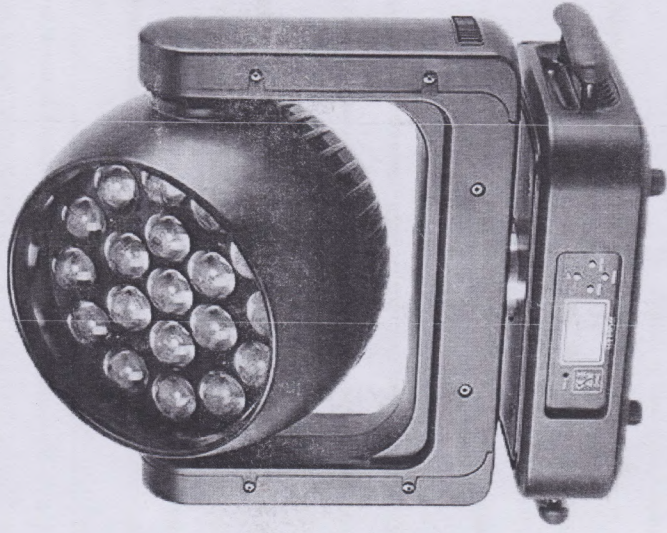


19x25W ZOOM LED Moving Head Lighting



Innovation, Quality, Performance

User Manual

Please read the instruction carefully before use

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1. Safety Instructions



Please read the instruction carefully which includes important information about the installation, usage and maintenance.

WARNING

Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before replacement or servicing.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cables when fixing this unit. DO NOT handle the unit by its head only, always carry by its base.
- Maximum ambient temperature is Ta: 40 degrees C. DO NOT operate it where the temperature is higher than this.
- Unit surface temperature may reach up to 75 degrees C. DO NOT touch the housing with bare-hands during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or servicing.
- In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- DO NOT touch any wire during operation as high voltage may cause electric shock.

Warning:

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.

The housing and lenses must be replaced if they are visibly damaged.

Caution:

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

The fixture should be mounted via its Omega Quick Release Clamp bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating and make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the fixtures weight. Always use a safety cable that can hold 12 times of the weight of the fixture when installing.

The equipment must be installed by professionals. It must be installed in a place where is out of the reach of people and no one can pass by or under it.

2. Technical Specifications

Extremely small, fast and powerful LED moving beam.

DMX Channels: 10/15/21/39/37S channels mode

Outstanding color macro effect

Variable strobe effects

Blue white LCD display for easy navigation

Perfect for stage, theatre, TV studio, rental and discotheques

Input Voltage: AC 100 ~ 240V, 50/60Hz

Power Consumption: 475W

◇ **Power Cable Daisy Chain:** 9 Fixture Max. (230V, 50Hz)

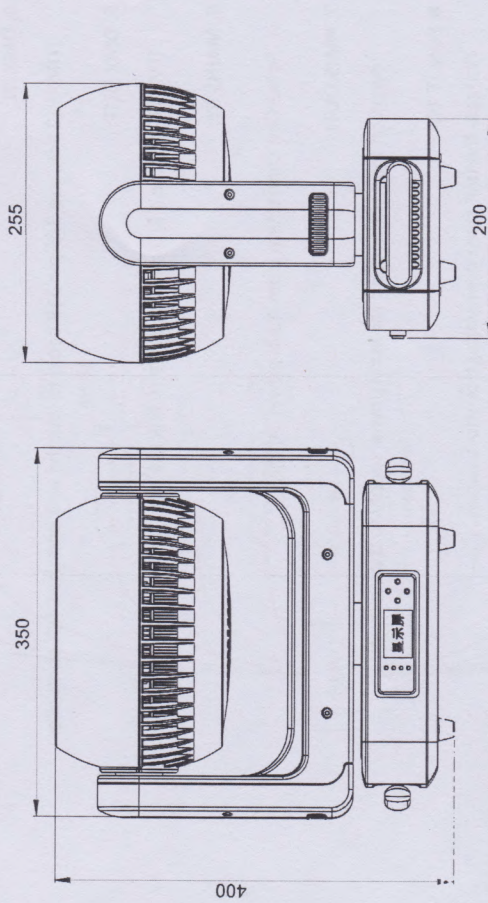
5 Fixture Max. (120V, 60Hz)

◇ **LED Source:** 19 x 25W Prolight LED

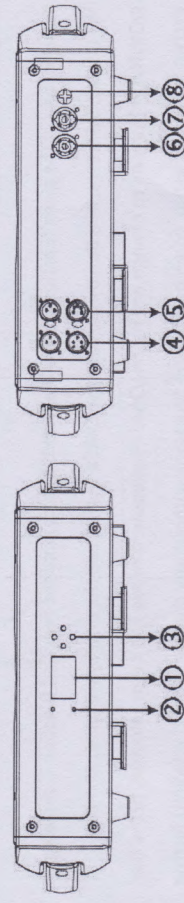
◇ **Beam Angle:** 10° ~ 60°

◇ **Weight:** 9.5Kgs

◇ **Dimension:** 430 x 246 x 512mm



3.1 Control panel



1. Function Display:

Shows the various menus and the selected functions

2. LED:

POWER	ON	Power On
-------	----	----------

DMX	ON	DMX input present
-----	----	-------------------

Button:

MENU	To select the programming functions
▼ DOWN	To go backward in the selected functions
▲ UP	To go forward in the selected functions
ENTER	To confirm the selected functions

DMX IN:

DMX512 link, use 3/5-pin XLR cable to link the unit and the DMX controller

DMX OUT:

DMX512 link, use 3/5-pin XLR cable to link the next unit and output DMX signal

MAINS IN:

PowerCon connection from main power supply

MAIS OUT:

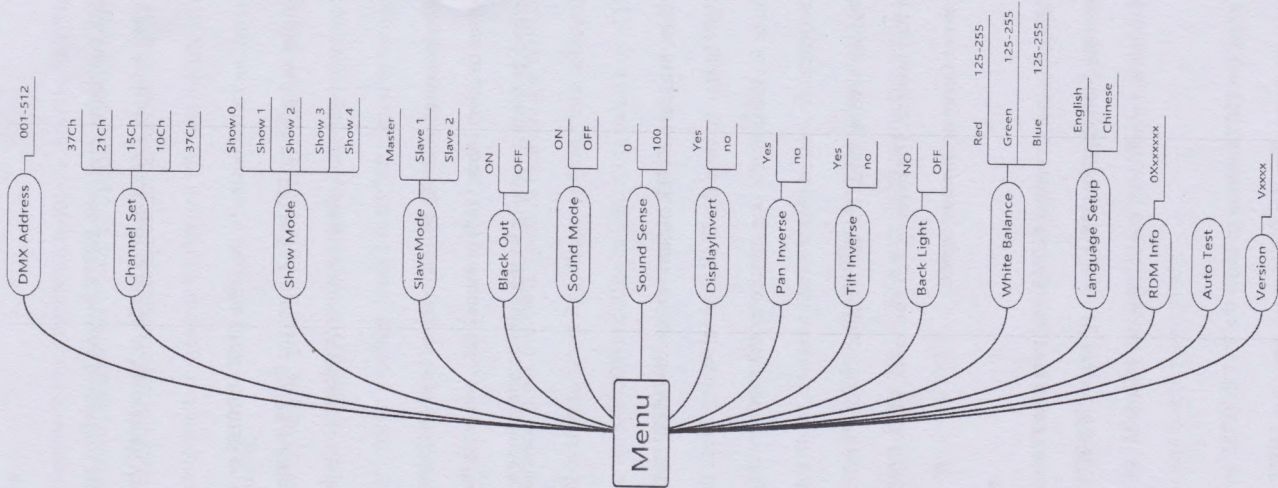
PowerCon loop connection for main power supply to the next unit

Over-voltage (T 10A):

Protects the unit from over-voltage or short circuit

2 Main Function

Select any of the given functions, press the **MENU** button until the required function is showing on display. Select the function by pressing the **ENTER** button and the display will blink. Use the **DOWN/UP** buttons to change the mode. Once the required mode has been selected, press the **ENTER** button to setup, to go back to the functions without any change press the **MENU** button in. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.
main functions are shown overleaf:



P/T Feedback

To select **P/T Feedback**, press the **ENTER** button to show the **PAN/TILT FEEDBACK** on the display. Use the **UP/DOWN** button to select **No** (Pan or tilt's position will not feedback while out of step) or **Yes** (Feedback while pan/tilt out of step), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

BL.O. P/T Moving

To select **BL.O. P/T Moving**, press the **ENTER** button to show the **BLACKOUT WHILE PAN/TILT MOVING** on the display, use the **UP/DOWN** button to select **No** (normal while pan/tilt moving) or **Yes** (blackout while pan/tilt moving), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

White Balance

To select **White Balance**, press the **ENTER** button to show the **WHITE BALANCE** on the display, use the **UP/DOWN** button to select **Red**, **Green** or **Blue**. Once selected, press the **ENTER** button to confirm, and use the **UP/DOWN** button to adjust the value from **125** to **255**, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Cooling Mode

To select **Cooling Mode**, press the **ENTER** button to show the **COOLING MODE** on the display. Use the **UP/DOWN** button to select **Auto** (Normal) or **Low** (Low speed). Once selected, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Dimmer Curve

To select **Dimmer Curve**, press the **ENTER** button to show the **DIMMER CURVE** on the display, use the **UP/DOWN** button to select **Linear**, **Square Law**, **Inverse Squ.** or **S-curve**. Once selected, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

DMX Functions

After **MENU** mode, select **DMX Functions**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **DMX Address**, **DMX Channel Mode** or **View DMX Value**.

DMX Address

To select **DMX Address**, press the **ENTER** button to show the **DMX ADDRESS** on the display. Use **UP/DOWN** button to adjust the address from **001** to **512**, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

DMX Channel Mode

To select **DMX Channel Mode**, press the **ENTER** button to show the **DMX CHANNEL MODE** on the display. Use the **UP/DOWN** button to select **Mode1 (14)** or **Mode2 (26)**, and press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

View DMX Value

To select **View DMX Value**, press the **ENTER** button to show the **VIEW DMX VALUE** on the display. Use the **UP/DOWN** button to view the DMX channel values. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Fixture Setting

After **MENU** mode, select **Fixture Setting**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Pan Inverse**, **Tilt Inverse**, **P/T Feedback**, **BL.O. P/T Moving**, **White Balance**, **Cooling Mode**, **Dimmer Curve** or **Dimmer Speed**.

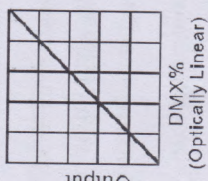
Pan Inverse

To select **Pan Inverse**, press the **ENTER** button to show the **PAN INVERSE** on the display. Use **UP/DOWN** button to select **No** (normal) or **Yes** (pan inverse), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

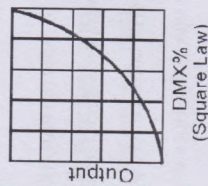
Tilt Inverse

To select **Tilt Inverse**, press the **ENTER** button to show the **TILT INVERSE** on the display. Use **UP/DOWN** button to select **No** (normal) or **Yes** (tilt inverse), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

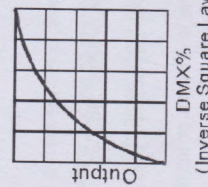
Dimmer Modes:



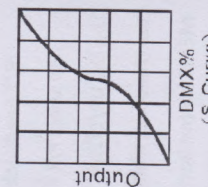
near: The increase in light intensity appears to be linear as DMX value is increased.



quare Law: Light intensity control is finer at low levels and coarser at high levels.



erse Square Law: Light intensity control is coarser at low levels and finer at high levels.



ure: Light intensity control is finer at low levels and coarser at medium levels.

Dimmer Speed

To select **Dimmer Speed**, press the **ENTER** button to show the **DIMMER SPEED** on the display. Use the **UP/DOWN** button to select **Fast** or **Smooth**. Once selected, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Display Setting

ter **MENU** mode, select **Display Setting**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Display Inverse**, **Backlight Auto Off**, **Backlight Intensity**, **Temperature unit** or **Display Warning**.

Display Inverse

To select **Display Inverse**, press the **ENTER** button to show the **DISPLAY INVERSE** on the display. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (display inverse). Once selected, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Backlight Auto Off

To select **Backlight Auto Off**, press the **ENTER** button to show the **BACKLIGHT AUTO OFF** on the display. Use the **UP/DOWN** button to select **No** (display always on) or **Yes** (display goes off one minute after exiting menu mode). Once selected, press the **ENTER** button to confirm and store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Backlight Intensity

To select **Backlight Intensity**, press the **ENTER** button to show the **BACKLIGHT INTENSITY** on the display. Use the **UP/DOWN** button to adjust the intensity from **1** (dark) to **10** (bright). Once selected, press the **ENTER** button to setup and store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Temperature Unit

To Select **Temperature Unit**, press the **ENTER** button to show the **TEMPERATURE UNIT** on the display. Use the **UP/DOWN** button to select **°C** or **°F**, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Display Warning

To select **Display Warning**, press the **ENTER** button to show the **DISPLAY WARNING** on the display. Use the **UP/DOWN** button to select **No** (Normal) or **Yes** (display will show the error warning when the unit went wrong), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Fixture Test

Enter **MENU** mode, select **Fixture Test**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Auto Test** or **Manual Test**

Auto Test

To select **Auto Test**, press the **ENTER** button to show the **AUTO TEST** on the display. Press the **ENTER** button, the unit will run built-in programs to automatically test pan, tilt and zoom. Press the **MENU** button back to the last menu or exit menu mode after auto test.

Manual Test

To select **Manual Test**, press the **ENTER** button to show the **MANUAL TEST** on the display. Press the **ENTER** button, and then use the **UP/DOWN** button to select channel, and adjust the channel value. Once selected, press the **ENTER** button to setup, the fixture will run as the channel value indicates. Press the **MENU** button back to the last menu or exit menu mode let the unit idle one minute.

(All channels value will become 0 after exiting **Manual Test** menu)

Fixture Information

In MENU mode, select **Fixture Information**, press the ENTER button to confirm, use UP/DOWN button to select **Fixture use time**, **Lamp On time** or **Firmware Version**.

Fixture use time

To select **Fixture use time**, press the ENTER button to show the **FIXTURE USE TIME** on the display. Press the ENTER button, the fixture working hours will show on the display. Press the MENU button to exit.

Lamp On time

To select **Lamp On time**, press the ENTER button to show the **LAMP ON TIME** on the display. Press the ENTER button to confirm, then use the UP/DOWN button to select **Exit** or **Reset Time**, press the ENTER button to store. Press the MENU button back to the last menu or exit menu to let the unit idle one minute.

Firmware Version

To select **Firmware Version**, press the ENTER button to show the **FIRMWARE VERSION** on display. Press the ENTER button and the fixture software version will show on the display. Press the MENU button to exit.

Reset Functions

In MENU mode, select **Reset Function**, press the ENTER button to confirm, use the DOWN button to select **Pan/Tilt**, **Zoom** or **All**.

Pan/Tilt

To Select **Pan/Tilt**, press the ENTER button to show the **PAN/TILT** on the display. Use the DOWN button to select **Yes** (the unit will run built-in program to reset pan and tilt to their home positions) or **No**, press the ENTER button to store. Press the MENU button to exit menu.

Zoom

To select **Zoom**, press the ENTER button to show the **ZOOM** on the display. Use the DOWN button to select **Yes** (the unit will run built-in program to reset zoom to its home positions) or **No**, press the ENTER button to store. Press the MENU button to exit menu mode.

All

To select **All**, press the ENTER button to show the **ALL** on the display. Use the UP/DOWN button to select **Yes** (the unit will run built-in program to reset all motors to their home positions) or **No**, press ENTER button to store. Press MENU button to exit menu mode.

Special Functions

In MENU mode, select **Special Functions**, press the ENTER button to confirm, use the UP/DOWN button to select **Fixture Maintenance** or **Factory Setting**.

Fixture Maintenance

To select **Fixture Maintenance**, press the ENTER button to show the **FIXTURE**

MAINTENANCE on the display. Use the UP/DOWN button to select **Interval** or **Remain Time**.

Interval

To select **Interval**, press the ENTER button to confirm, the interval time will be shown on the display. Press the MENU button to exit.

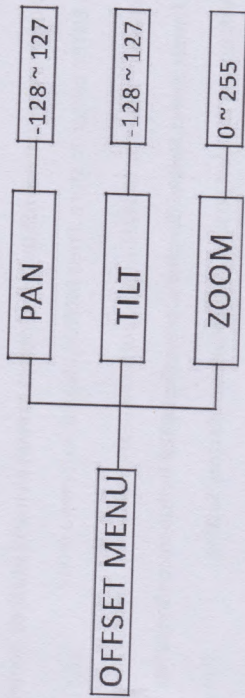
Remain Time

To select **Remain Time**, press the ENTER button to confirm, the remaining time will be shown on the display. Press the ENTER button to confirm, use the UP/DOWN button to select **Exit** or **Reset time**, press the MENU button to exit.

Factory Setting

To select **Factory Setting**, press the ENTER button to show the **FACTORY SETTING** on the display. Press the ENTER button to confirm, use the UP/DOWN button to select **No** or **Yes** (the fixture will reset to factory settings and exit menu mode).

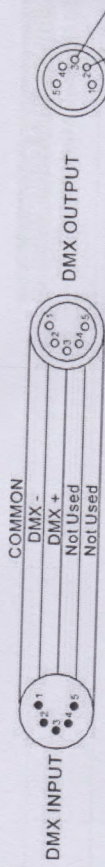
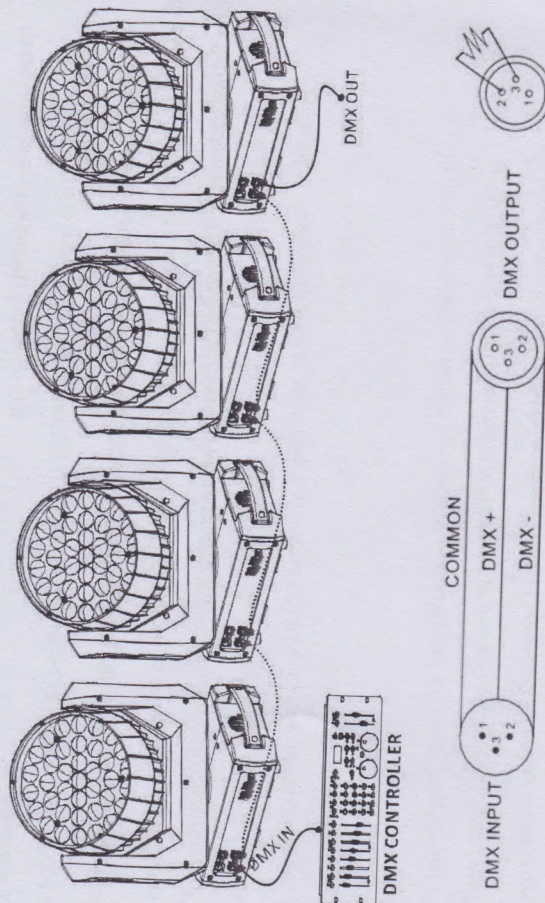
3.3 Home Position Adjustment



In the main functions, hold the **ENTER** button for at least 3 seconds into offset mode, use the **DOWN/UP** button up to select **Pan Offset**, **Tilt Offset** or **Zoom Offset**, and press the **ENTER** button to confirm. Use the **DOWN/UP** button to adjust the home position of the Pan, Tilt or Zoom, Once the position has been selected, press the **ENTER** button to setup, to go back to the functions without any change press the **MENU** button again. Press and hold the **MENU** button about one second or wait for about one minute to exit the menu mode.

4. Control By Universal DMX Controller

4.1 DMX 512 Connection



1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. The last units DMX cable has to be terminated with a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) of a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
3. Connect the unit together in a 'daisy chain' by XLR plug from the output of the unit to the input of the next unit. The cable can not branched or split to a 'Y' cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
4. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.
5. Each fixture unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. The end of the DMX 512 system should be terminated to reduce signal errors.
7. 3 pin XLR connectors are more popular than 5 pin XLR.
 - 3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
 - 5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin 4/Pin 5: Not used.

4.2 Address Setting

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press the **MENU** button to enter menu mode, select **DMX Functions**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **DMX Address**, press the **ENTER** button to confirm, the present address will blink on the display, use the **UP/DOWN** button to adjust the address from 001 to 512, and press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 7 seconds to exit menu mode.

4.3 DMX 512 Configuration

10 Channels Mode:

1CH	Pan	000 - 255	0 - 15	LED_EFFECT_OPEN
2CH	Pan Fine	000 - 255	16 - 131	LED_EFFECT_FLASH
3CH	Tilt	000 - 255	132 - 139	LED_EFFECT_THUNDER
4CH	Tilt Fine	000 - 255	140 - 181	LED_EFFECT_PULSE_CLOSE_FADE_OPEN
5CH	PanTilt Speed	000 - 255	182 - 189	LED_EFFECT_OPEN
		0-69	190 - 231	LED_EFFECT_PULSE_OPEN_FADE_CLOSE
		70-79	232 - 239	LED_EFFECT_OPEN
		80-89	240 - 247	LED_EFFECT_RANDOM_FLASH
		90-99	248 - 255	LED_EFFECT_OPEN
6CH	Special Function	000 - 255	000 - 255	

15 Channels Mode:

1CH	Pan	000 - 255	0-69	NULL
2CH	Pan Fine	000 - 255	70-79	Moving Blackout Open
3CH	Tilt	000 - 255	80-89	Moving Blackout Off
4CH	Tilt Fine	000 - 255	90-99	PanInvert Open
5CH	PanTilt Speed	000 - 255	100-109	TiltInvert Open
			110-119	PanTiltInvert Off
6CH	Special Function	000 - 255	120-139	NULL
			140-149	PanTilt Reset
			150-179	NULL
			180-189	Zoom Reset
			190-199	NULL
			200-209	All Reset
			210-255	NULL
7CH	Red	000 - 255	000 - 255	
8CH	Green	000 - 255	000 - 255	
9CH	Blue	000 - 255	000 - 255	
10CH	White	000 - 255	000 - 255	
11CH	CTC	0	0	NULL
		1-255	1-255	2700K-8000K

1CH	Pan	000 - 255	0-69	NULL
2CH	Pan Fine	000 - 255	70-79	Moving Blackout Open
3CH	Tilt	000 - 255	80-89	Moving Blackout Off
4CH	Tilt Fine	000 - 255	90-99	PanInvert Open
5CH	PanTilt Speed	000 - 255	100-109	TiltInvert Open
			110-119	PanTiltInvert Off
			120-139	NULL
			140-149	PanTilt Reset
			150-179	NULL
			180-189	Zoom Reset
			190-199	NULL
			200-209	All Reset
			210-255	NULL
6CH	Special Function	0	0	No function (0=default)
		1-3	1	White 2700 K
		4-6	2	White 3200 K
		7-9	3	White 4200 K
		10-12	4	White 5600 K
		13-15	5	White 8000 K
		16	6	Blue (Blue=full, Red+Green+White=0)
		17-55	7	Red=0, Green->up, Blue =full, White=0
		56	8	Light Blue (Red=0, Green=full, Blue =full, White=0)
		57-95	9	Red=0, Green=full, Blue->down, White=0
		96	10	Green (Red=0, Green=full, Blue =0, White=0)
		97-134	11	Red->up, Green=full, Blue=0, White=0
		135	12	Yellow (Red=full, Green=full, Blue=0, White=0)
		136-174	13	Red=full, Green->down, Blue=0, White=0
		175	14	Red(Red=full, Green=0, Blue=0, White=0)
		176-214	15	Red=full, Green=0, Blue=0, White=0
		215	16	Magenta (Red=full, Green=0, Blue->up, White=0)
		216-246	17	Red -> down, Green=0, Blue=full, White=0
		247	18	Blue (Red=0, Green=0, Blue=full, White=0)
		248-255	19	NULL
8CH	ZOOM	000 - 255	000 - 255	

12CH	Virtual Color Wheel	0	No function (0=default)
		1-3	White 2700 K
		4-6	White 3200 K
		7-9	White 4200 K
		10-12	White 5600 K
		13-15	White 8000 K
		16	Blue (Blue=full, Red+Green+White=0)
		17-55	Red=0, Green->up, Blue =full, White=0
		56	Light Blue (Red=0, Green=full, Blue =full, White=0)
		57-95	Red=0, Green=full, Blue->down, White=0
		96	Green (Red=0, Green=full, Blue =0, White=0)
		97-134	Red->up, Green=full, Blue=0, White=0
		135	Yellow (Red=full, Green=full, Blue=0, White=0)
		136-174	Red=full, Green->down, Blue=0, White=0
		175	Red (Red=full, Green=0, Blue=0, White=0)
		176-214	Red=full, Green=0, Blue->up, White=0
		215	Magenta (Red=full, Green=0, Blue=full, White=0)
		216-246	Red -> down, Green=0, Blue=full, White=0
		247	Blue (Red=0, Green=0, Blue=full, White=0)
		248-255	NULL
13CH	Zoom	000 - 255	
		0 - 15	LED_EFFECT_OPEN
		16 - 131	LED_EFFECT_FLASH
		132 - 139	LED_EFFECT_THUNDER
		140 - 181	LED_EFFECT_PULSE_CLOSE_FADE_OPEN
		182 - 189	LED_EFFECT_OPEN
		190 - 231	LED_EFFECT_PULSE_OPEN_FADE_CLOSE
		232 - 239	LED_EFFECT_OPEN
		240 - 247	LED_EFFECT_RANDOM_FLASH
		248 - 255	LED_EFFECT_OPEN
15CH	Dimmer	000 - 255	

21Channels Mode:

1CH	Pan	000 - 255
2CH	Pan Fine	000 - 255
3CH	Tilt	000 - 255
4CH	Tilt Fine	000 - 255
5CH	PanTilt Speed	000 - 255

6CH	Special Function	0-69	NULL
		70-79	Moving Blackout Open
		80-89	Moving Blackout Off
		90-99	PanInvert Open
		100-109	TiltInvert Open
		110-119	PanTiltInvert Off
		120-139	NULL
		140-149	PanTilt Reset
		150-179	NULL
		180-189	Zoom Reset
		190-199	NULL
		200-209	All Reset
		210-255	NULL
7CH	Red	000 - 255	
8CH	Red Fine	000 - 255	
9CH	Green	000 - 255	
10CH	Green Fine	000 - 255	
11CH	Blue	000 - 255	
12CH	Blue Fine	000 - 255	
13CH	White	000 - 255	
14CH	White Fine	000 - 255	
15CH	CTC	0	NULL
		1-255	2700K-8000K
		0	No function (0=default)
		1-3	White 2700 K
		4-6	White 3200 K
		7-9	White 4200 K
		10-12	White 5600 K
		13-15	White 8000 K
		16	Blue (Blue=full, Red+Green+White=0)
		17-55	Red=0, Green->up, Blue =full, White=0
		56	Light Blue (Red=0, Green=full, Blue =full, White=0)
		57-95	Red=0, Green=full, Blue->down, White=0
		96	Green (Red=0, Green=full, Blue =0, White=0)
		97-134	Red->up, Green=full, Blue=0, White=0
		135	Yellow (Red=full, Green=full, Blue=0, White=0)
		136-174	Red=full, Green->down, Blue=0, White=0
		175	Red (Red=full, Green=0, Blue=0, White=0)
		176-214	Red=full, Green=0, Blue->up, White=0
		215	Magenta (Red=full, Green=0, Blue=full, White=0)
		216-246	Red -> down, Green=0, Blue=full, White=0
		247	Blue (Red=0, Green=0, Blue=full, White=0)
		248-255	NULL
16CH	Virtual Color Wheel	000 - 255	

17CH	Zoom	000 - 255	
18CH	Zoom Fine	000 - 255	
		1- 15	LED_EFFECT_OPEN
		16 - 131	LED_EFFECT_FLASH
		132 - 139	LED_EFFECT_THUNDER
		140 - 181	LED_EFFECT_PULSE_CLOSE_FADE_OPEN
		182 - 189	LED_EFFECT_OPEN
		190 - 231	LED_EFFECT_PULSE_OPEN_FADE_CLOSE
		232 - 239	LED_EFFECT_OPEN
		240 - 247	LED_EFFECT_RANDOM_FLASH
		248 - 255	LED_EFFECT_OPEN
20CH	Dimmer	000 - 255	
21CH	Dimmer Fine	000 - 255	

375 Channels Mode:

1CH	Pan	000 - 255	NULL
2CH	Pan Fine	000 - 255	Moving Blackout Open
3CH	Tilt	000 - 255	Moving Blackout Off
4CH	Tilt Fine	000 - 255	PanInvert Open
5CH	PanTilt Speed	000 - 255	TiltInvert Open
		0-69	PanTiltInvert Off
		70-79	NULL
		80-89	Moving Blackout Open
		90-99	Moving Blackout Off
		100-109	PanInvert Open
		110-119	TiltInvert Open
		120-139	PanTiltInvert Off
		140-149	NULL
		150-179	PanTilt Reset
		180-189	NULL
		190-199	Zoom Reset
		200-209	NULL
		210-255	All Reset
7CH	Zoom	000 - 255	NULL
8CH	Zoom Fine	000 - 255	NULL
		0 - 15	LED_EFFECT_OPEN
		16 - 131	LED_EFFECT_FLASH
		132 - 139	LED_EFFECT_THUNDER
		140 - 181	LED_EFFECT_PULSE_CLOSE_FADE_OPEN
		182 - 189	LED_EFFECT_OPEN
		190 - 231	LED_EFFECT_PULSE_OPEN_FADE_CLOSE
		232 - 239	LED_EFFECT_OPEN
		240 - 247	LED_EFFECT_RANDOM_FLASH
		248 - 255	LED_EFFECT_OPEN
10CH	Dimmer	000 - 255	
11CH	Dimmer Fine	000 - 255	

19A

12CH	CTC	0	NULL
		1-255	2700K-8000K
		0	No function (0=default)
		1-3	White 2700 K
		4-6	White 3200 K
		7-9	White 4200 K
		10-12	White 5600 K
		13-15	White 8000 K
		16	Blue (Blue=full, Red+Green+White=0)
		17-55	Red=0, Green->up, Blue =full, White=0
		56	Light Blue (Red=0, Green=full, Blue =full, White=0)
		57-95	Red=0, Green=full, Green->down, White=0
		96	Green (Red=0, Green=full, Blue =0, White=0)
		97-134	Red->up, Green=full, Blue=0, White=0
		135	Yellow (Red=full, Green=full, Blue=0, White=0)
		136-174	Red=full, Green->down, Blue=0, White=0
		175	Red(Red=full, Green=0, Blue=0, White=0)
		176-214	Red=full, Green=0, Blue=0, White=0
		215	Magenta (Red=full, Green=0, Blue->up, White=0)
		216-246	Red -> down, Green=0, Blue=full, White=0
		247	Blue (Red=0, Green=0, Blue=full, White=0)
		248-255	NULL
13CH	Virtual Color Wheel	000 - 255	Red1
		000 - 255	Red Fine 1
		000 - 255	Green1
		000 - 255	Green Fine 1
		000 - 255	Blue1
		000 - 255	Blue Fine 1
		000 - 255	White1
		000 - 255	White Fine 1
		000 - 255	Red2
		000 - 255	Red Fine 2
		000 - 255	Green2
		000 - 255	Green Fine 2
		000 - 255	Blue2
		000 - 255	Blue Fine 2
		000 - 255	White2
		000 - 255	White Fine 2
		000 - 255	Red3
		000 - 255	Red Fine 3
		000 - 255	Green3
		000 - 255	Green Fine 3
		000 - 255	Blue3
		000 - 255	Blue Fine 3
		000 - 255	White 3
		000 - 255	White Fine 3

39 Channels Mode:

1CH	Pan	000 - 255	
2CH	Pan Fine	000 - 255	
3CH	Tilt	000 - 255	
4CH	Tilt Fine	000 - 255	
5CH	PanTilt Speed	000 - 255	
		0-69	NULL
		70-79	Moving Blackout Open
		80-89	Moving Blackout Off
		90-99	PanInvert Open
		100-109	TiltInvert Open
		110-119	PanTiltInvert Off
		120-139	NULL
		140-149	PanTilt Reset
		150-179	NULL
		180-189	Zoom Reset
		190-199	NULL
		200-209	All Reset
		210-255	NULL
6CH	Special Function		
7CH	Red1	000 - 255	
8CH	Red Fine 1	000 - 255	
9CH	Green1	000 - 255	
10CH	Green Fine 1	000 - 255	
11CH	Blue1	000 - 255	
12CH	Blue Fine 1	000 - 255	
13CH	White1	000 - 255	
14CH	White Fine 1	000 - 255	
15CH	Red2	000 - 255	
16CH	Red Fine 2	000 - 255	
17CH	Green2	000 - 255	
18CH	Green Fine 2	000 - 255	
19CH	Blue2	000 - 255	
20CH	Blue Fine 2	000 - 255	
21CH	White2	000 - 255	
22CH	White Fine 2	000 - 255	
23CH	Red3	000 - 255	
24CH	Red Fine 3	000 - 255	
25CH	Green3	000 - 255	
26CH	Green Fine 3	000 - 255	
27CH	Blue3	000 - 255	
28CH	Blue Fine 3	000 - 255	
29CH	White 3	000 - 255	
30CH	White Fine 3	000 - 255	

31CH	CTC	0	NULL
		1-255	2700K-8000K
		0	No function (0=default)
		1-3	White 2700 K
		4-6	White 3200 K
		7-9	White 4200 K
		10-12	White 5600 K
		13-15	White 8000 K
		16	Blue (Blue=full, Red+Green+White=0)
		17-55	Red=0, Green->up, Blue =full, White=0
		56	Light Blue (Red=0, Green=full, Blue =full, White=0)
		57-95	Red=0, Green=full, Blue->down, White=0
		96	Green (Red=0, Green=full, Blue =0, White=0)
		97-134	Red->up, Green=full, Blue=0, White=0
		135	Yellow (Red=full, Green=full, Blue=0, White=0)
		136-174	Red=full, Green->down, Blue=0, White=0
		175	Red(Red=full, Green=0, Blue=0, White=0)
		176-214	Red=full, Green=0, Blue->up, White=0
		215	Magenta (Red=full, Green=0, Blue=full, White=0)
		216-246	Red -> down, Green=0, Blue=full, White=0
		247	Blue (Red=0, Green=0, Blue=full, White=0)
		248-255	NULL
33CH	Zoom	000 - 255	
34CH	Zoom Fine	000 - 255	
		0- 15	LED_EFFECT_OPEN
		16 - 131	LED_EFFECT_FLASH
		132 - 139	LED_EFFECT_THUNDER
		140 - 181	LED_EFFECT_PULSE_CLOSE_FADE_OPEN
		182 - 189	LED_EFFECT_OPEN
		190 - 231	LED_EFFECT_PULSE_OPEN_FADE_CLOSE
		232 - 239	LED_EFFECT_OPEN
		240 - 247	LED_EFFECT_RANDOM_FLASH
		248 - 255	LED_EFFECT_OPEN
35CH	Shutter		
36CH	Dimmer	000 - 255	
37CH	Dimmer Fine	000 - 255	
38CH	Dynamic	000 - 007	No effect
		008 - 255	Effect mode
39CH	Dynamic Speed	000 - 255	