MEGALITE

XS
LED STROBE W

USER MANUAL

Table of Contents

Check that the unit has not been damaged during transport

Read all cautions and warnings
prior to operation of this
equipment

Protection Against Fire

Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit to close to a heat source.
5. Make sure cable are properly secured
6. Maximum surface operating temperature 80º.

Protection Against Fire

Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

Protection Against Mechanical Hazards

Mechanical

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

Technical Information

Part Numbers

3010– XS Led Strobe White

Mechanical Specifications

DMX Connectors: 5 pin XLR connectors in and out

Thermal: Maximum ambient temperature 104°
Maximum surface temperature 140°

Fastening System: Single Mounting Yoke

Display: Digital

Power connection: Power Con in & out

13.66"   4"   4.8"   7.12"
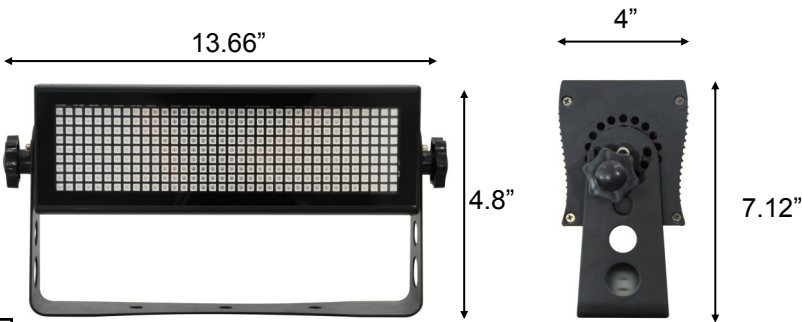
Fixture	6 Unit ATA Road Case
Size: 13.66" x 4" x 7.12	Size: 30.5" x 23" x 20.66"
Weight: 6.5 lb	Weight: 60.5 lb (empty)

Electrical Specifications

LED Quantity: **324 White SMD LEDS 6500K**

Power Input Voltage: 110V-240 50/60 Hz

Ballast: Electronic auto switching

Power Consumption   **Watts: 259**
Amps: 3.49

LED Watts: .80

LED Lifetime: 60 to 100 thousand hours

LED Angle: 140°

Fuse: 5x20 F5AL250V

Control & Programming

DMX 512 Protocol

DMX Modes:	Mode 1	1 Channels	Strobe
	Mode 2	3 Channels	Dimmer, Duration, Strobe
	Mode 3	4 Channels	Dimmer, Duration, Strobe, Macro
	Mode 4	7 Channels	Dimmer, Blinder, Duration, Strobe, Macro, 3 Segment Macros, 9 Segment Macro
	Mode 5	13 Channels	Dimmer, Intensity X9, Strobe, Macro
	Mode 6	1Channel	Dimmer
	Mode 7	3 Channels	Dimmer x 3
	Mode 8	9 Channels	Dimmer x 9

Control Options: Display Control, Master Slave

Main Power Connec-

The occupation of the connection-cable is as follows:

This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground	⏚	⏚
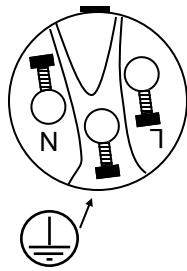
| 110V Connec- | | 220V Connec- | |
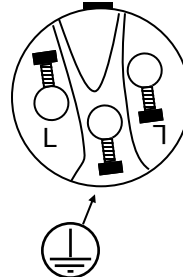
DMX-512 Connec-

The fixture is equipped with 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input

DMX—output

1. Shield
2. Signal (-)
3. Signal (+)
4. N/A
5. N/A

Display Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options.

CONTROL BOARD

```
┌─────────────────┐
│   —Mega Lite—    │
│    XS LED W      │
└─────────────────┘
```

●   ●   ●   ●

ESC   DOWN UP ENTER

```
┌─────────────┐
│  Address    │
│    001      │
└─────────────┘
```

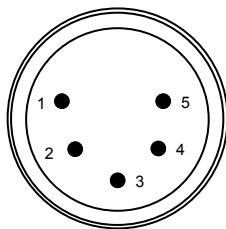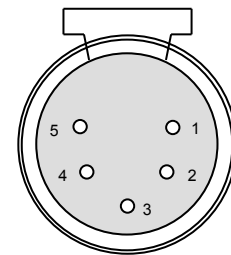To Set the DMX Start Channel press **Enter.** Use the **Down or Up** to select the desired DMX Start Channel and press **Enter** to confirm your setting.

```
┌─────────────┐
│   Auto      │
│             │
└─────────────┘
```

This function will give you access to the Preprogramed Chases Press **Enter.** Use the **Down or Up** to select the programed chase, press **Enter** to confirm your setting. Use the **Down or Up** to select the desired speed of the Chase from 1 to 5 press **Enter** to confirm your setting

```
┌─────────────┐
│  Work Mod   │
│   DMX 512   │
└─────────────┘
```

DMX 512= This mode will allow you to operate the fixture with a DMX controller

Master= This Function Allows you to run the Auto Programs Or Audio Programs and send DMX signal out to the Slave units

Slave= On Slave Mode the fixture will copy the functions on the Master unit

To Set the Desired operational mode press **Enter.** Use the **Down or Up** to select the desired mode and press **Enter** to confirm your setting.

```
┌─────────────┐
│  Chan Mod   │
│    ACH      │
└─────────────┘
```

To set the desired operational channel mode press **Enter.** Use the **Down or Up** to select the desired DMX profile operational mode from A,B,C,D,E,F,G and H press **Enter** to confirm your setting.

Note: Operational mode are located on Page 8 of the manual.

```
┌───────────────┐
│   Strobe      │
│    Set        │
└───────────────┘
```

This function will give you access to set strobe rate via display. Press **Enter.** Use the **Down or Up** to select the desired color. Press **Enter** use the **Down or Up** to select intensity from 0 to 255. You can repeat this process to get any color combination.
(Note) once strobe is set you can power up and the last strobe setting will automatically come on.

```
        ┌───────────────┐
        │   Strobe      │
        │    000        │
        └───────────────┘
```

```
┌───────────────┐
│  Intensity    │
│    Set        │
└───────────────┘
```

This function will give you access to set Intensity via display. Press **Enter.** Use the **Down or Up** to select the desired intensity. Press **Enter** use the **Down or Up** to select intensity from 0 to 255. You can control each of the 9 sections .
(Note) once intensity is set you can power up and the last Intensity setting will automatically come on.

```
        ┌───────────────┐
        │   White 7     │
        │    000        │
        └───────────────┘
```

```
┌───────────────┐   ┌───────────────┐
│    Tools      │   │   Display     │
│               │   │    Mode       │
└───────────────┘   └───────────────┘
```

This function will give you access to the Display Control press **Enter.** Use the **Down or Up** to select the desired display operational Mode from **Display On** that will leave the display always turned on. Or **Display Auto** that will make the display turn off after no usage for 20 seconds., press **Enter** to confirm your setting.

```
                    ┌───────────────┐
                    │    Time       │
                    └───────────────┘
```

This function will give you information of how long the fixture has been turned on.

```
                    ┌───────────────┐
                    │    Temp       │
                    └───────────────┘
```

This function gives you information of the fixtures current temperature

```
                    ┌───────────────┐
                    │   Key Mode    │
                    └───────────────┘
```

This function will give you access to lock the menu keys so they are not accidently moved. Press **Enter.** Use the **Down or Up** to select the desired Key settings from **Lock** Or **Unlock** press **Enter** to confirm your setting. You will have to hold the Enter button for 3 seconds, to unlock the keys.

```
                    ┌───────────────┐
                    │    DMX        │
                    │   Status      │
                    └───────────────┘
```

```
                        ┌───────────────┐
                        │    Value      │
                        │    Hold       │
                        └───────────────┘
```

If DMX signal is lost. The Fixture will hold the last DMX value sent.

```
                        ┌───────────────┐
                        │    Value      │
                        │    Clear      │
                        └───────────────┘
```

If DMX signal is lost. The fixture will bring dimmer channels to zero.

XS LED W 1 Ch A Mode

DMX Channel	Function	Description	Value
1	Strobe	No Function	0-5
		Strobe Rate (slow to fast)	6-249
		Blinder (full on)	250-255

XS LED W 3 Ch B Mode

DMX Channel	Function	Description	Value
1	Dimmer	No Function	0-255
2	Duration	Flash Duration	0-255
3	Strobe	No Function	0-5
		Strobe Rate	6-255

XS LED W 4 Ch C Mode

DMX Channel	Function	Description	Value
1	Dimmer	No Function	0-255
2	Duration	Flash Duration	0-255
3	Strobe	No Function	0-5
		Strobe Rate	6-255
4	Macro	No Function	0-5
		Ramp Up Effect (slow to fast)	6-42
		Ramp Down Effect (slow to fast)	43-85
		Ramp Up-Down Effect (slow to fast)	86-128
		Random Effect (slow to fast)	129-171
		Lightning Effect (slow to fast)	172-214
		Spike Effect	215-255

XS LED W 7 Ch D Mode

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer	0-255
2	Blinder	Full Off	0-126
		Full On	127-255
3	Duration	Flash Duration	0-255
4	Strobe	No Function	0-5
		Strobe Rate	6-255
5	Macro	No Function	0-5
		Ramp Up Effect (slow to fast)	6-42
		Ramp Down Effect (slow to fast)	43-85
		Ramp Up-Down Effect (slow to fast)	86-128
		Random Effect (slow to fast)	129-171
		Lightning Effect (slow to fast)	172-214
		Spike Effect	215-255
6	3 Segment Macro	No Function	0-1
		Macro 1 (slow to fast)	2-25
		Macro 2 (slow to fast)	26-50
		Macro 3 (slow to fast)	51-75
		Macro 4 (slow to fast)	76-100
		Macro 5 (slow to fast)	101-125
		Macro 6 (slow to fast)	126-150
		Macro 7 (slow to fast)	151-175
		Macro 8 (slow to fast)	176-200
		Macro 9 (slow to fast)	201-225
		Macro 10 (slow to fast)	226-255
7	9 Segment Macro	No Function	0-1
		Macro 1 (slow to fast)	2-25
		Macro 2 (slow to fast)	26-50
		Macro 3 (slow to fast)	51-75
		Macro 4 (slow to fast)	76-100
		Macro 5 (slow to fast)	101-125
		Macro 6 (slow to fast)	126-150
		Macro 7 (slow to fast)	151-175
		Macro 8 (slow to fast)	176-200
		Macro 9 (slow to fast)	201-225
		Macro 10 (slow to fast)	226-255

XS LED W 13 Ch E Mode

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer	0-255
2	Intensity	Segment 1 Intensity	0-255
3	Intensity	Segment 2 Intensity	0-255
4	Intensity	Segment 3 Intensity	0-255
5	Intensity	Segment 4 Intensity	0-255
6	Intensity	Segment 5 Intensity	0-255
7	Intensity	Segment 6 Intensity	0-255
8	Intensity	Segment 7 Intensity	0-255
9	Intensity	Segment 8 Intensity	0-255
10	Intensity	Segment 9 Intensity	0-255
11	Duration	Flash Duration	0-255
12	Strobe	No Function	0-5
		Strobe Rate	6-255
13	Macro	No Function	0-5
		Ramp Up Effect (slow to fast)	6-42
		Ramp Down Effect (slow to fast)	43-85
		Ramp Up-Down Effect (slow to fast)	86-128
		Random Effect (slow to fast)	129-171
		Lightning Effect (slow to fast)	172-214
		Spike Effect	215-255

XS LED W 1 Ch F Mode

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer	0-255

XS LED W 3 Ch G Mode

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer Segment 1	0-255
2	Dimmer	Dimmer Segment 2	0-255
3	Dimmer	Dimmer Segment 3	0-255

XS LED W 9 Ch H Mode

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer Segment 1	0-255
2	Dimmer	Dimmer Segment 2	0-255
3	Dimmer	Dimmer Segment 3	0-255
4	Dimmer	Dimmer Segment 4	0-255
5	Dimmer	Dimmer Segment 5	0-255
6	Dimmer	Dimmer Segment 6	0-255
7	Dimmer	Dimmer Segment 7	0-255
8	Dimmer	Dimmer Segment 8	0-255
9	Dimmer	Dimmer Segment 9	0-255

Rigging the fixture

Caution!
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the fixture has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

Cleaning and maintenance

Installation Maintenance: The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:
1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Note: There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: Only replace the fuse with the same type and rating.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

Should you have further questions , please contact your dealer.

Parts List

3010-FAN	Replacement fan
3010-PCBM	Main PCB card
3010-PS	Power Supply
3010-WLED	White LED Replacement
3010-WLEDM	White LED Module
3010-MUL	Multiple Unit Hanger
3010-KNO	Knob Set
3010-RC	6 Unit Road Case

Warranty Information

Warranty Conditions
-Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.

-LEDs are not guaranteed to match in color temperature or output.

-It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

-Goods returned under warranty must follow the proper authorization procedure and must be accompanied by a copy of the original invoice.

-Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment.

-Repair or replacement as provided for under this warranty is the exclusive remedy of the consumer. MEGA SYSTEMS INC. makes no warranties, express or implied, with respect to any product, and Mega Systems specifically disclaims any warranty of merchantability or fitness for a particular purpose. Mega Systems shall not be liable for any indirect, incidental or consequential damage, including lost profit, sustained or incurred in connection with any product or caused by product defect or the partial or total failure of any product regardless of the form of action, weather in contract, tort (including negligence), strict liability or otherwise, and weather or not such damage was foreseen or unforeseen.

- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

MEGA LITE ™

Mega-Lite
5718 Kenwick St
San Antonio, TX 78238
Ph 210-684-2600 Fax 210-855-6279
www.mega-lite.com / info@mega-lite.com