MEGALITE

xwitch

USER MANUAL

Table of Contents

Safety Information……3
Specifications……..4
Main Power Connection……..5
DMX-512 Connection……..5
Main Control Menu.....6
Installing the Fixture……...8
Cleaning & Maintenance.....8
Parts List.....8

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 away.
6. Maximum surface operating temperature 104°.

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 quality gang box when installing unit.
2. Use quality bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

Technical Information

Part Numbers

Fixture

MC-2030 **Xwitch**
MEA-APV-12-12 **Mean Well 12V power Supply (included)**

Mechanical Specifications

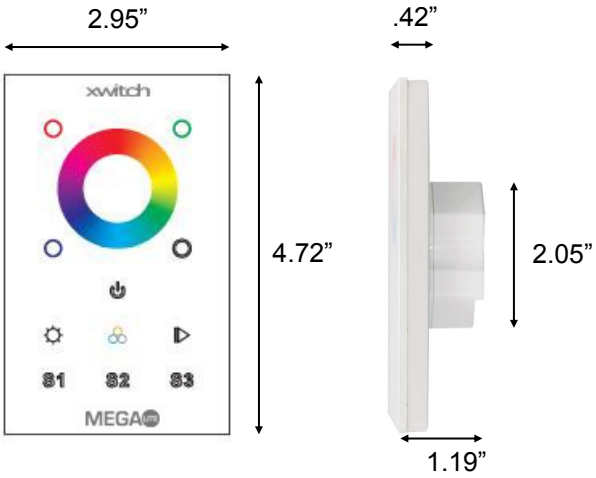
DMX Connectors: 3 screw binding strip

Power Connections: 2 screw binding strip

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

Display: LED power indicator

Mounting System: Single gang electrical wall mounting



Fixture	Packaged for Shipping
Size: 2.95”L x 1.19”W x 4.72”H Weight: 1 lbs	Size: 9” X 6.5” X 2.75” Weight: 3 lbs

Electrical Specifications

Power Requirements: 12-24VDC 0.2 Amps

Touch Sensor: Single touch glass sensor

Control & Programming

Protocol: DMX 512

DMX Channels: 4 DMX Channels

Operating Mode: 3 Programmable static scenes
10 Built in Preprogram chases with Speed control
3 Color Temperature presets
Dimmer intensity button

Power Supply Specifications

Model: Mean Well APV-12-12

Input Power 100-240VAC 50/60Hz

Output Power: 12 VDC 1 Amps

Power Connection: Bare Cable

Mounting System: 2 hole screw mounting

Main Power Connection

Caution!

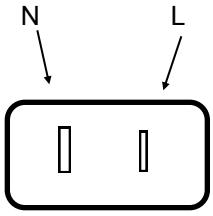
1. Do not connect power supply to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically

The occupation of the connection-cable is as follows:

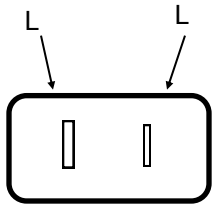
This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 240V from 50Hz to

Cable	Pin	110V	220V
Brown	Live	L	L
Light Blue	Neutral	N	L

110V—Connection



220V—Connection

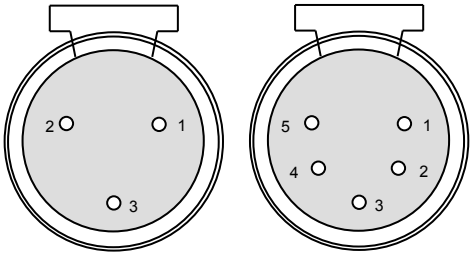


DMX-512 Connection

The fixture is equipped with 3 Screw binding post for DMX output. 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.

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

DMX—output

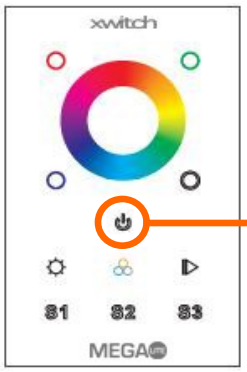


Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (P-DMXT).

Main Control

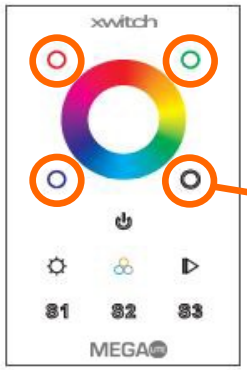
Note: xwitch **Controller only works on fixtures that are 3 or 4 Channel. And that the Channel are as follows.**
Channel 1 Red LED
Channel 2 Green LED
Channel 3 Blue LED
Channel 4 White LED
And the fixture must be addressed to DMX start Channel 001



Power On/Off

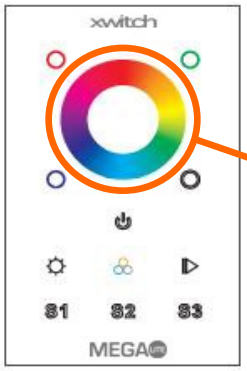
Tap the screen for power on a blue LED indicator will light showing controller is on.

Tap the screen for power Off a red LED indicator will light showing the controller is off.



Single color Control

Tap the corresponding circular color for the LED to come on or off. Press and hold the corresponding circular color to have the LED dim to the required intensity.
You can mix a to a specific color by having multiple LED color active at the same time.



Color Wheel Control

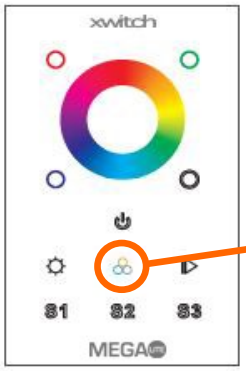
Tap any where on the circular color wheel to have the color activated.

Note: the white color LED will not be active in the fixture

Dimmer Control

Press and hold the dimmer button to dim down the intensity of the fixtures. Press and hold again to have the fixtures dim Up.

Note: the white color LED will not be active on the fixture.



CTO Control

Tap the CTO button to select the White mixed color. There is 3 options

Note: the white color LED will not be active on the fixture.

Pre Programs Control

Tap once to start the preprogram function, tap once again to pause the program.

Tap twice to select the next preprogram. There is 10 options.

Press and Hold to adjust the speed **up** of the program. Press and hold again to adjust the speed **down** of the program.

Note: the white color LED will not be active on the fixture.

Record Functions

All functions can be recorder to a Record Button (S1,S2, S3) including Single Color Control, Color Wheel Control, Dimmer Control, CTO Control and Pre Program Control.

Select a function you would like to control Press and Hold any of the the S Button for 2 seconds and the program will be recorded. To recall the program recorded just Tap the button.

Note: White LED will be recorded to the Playback if selected

Installing the fixture

Caution!

1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe electrical injures if you have doubts concerning the safety do not install.

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

When installing the controller please make sure all safety rules are followed and it is installed in a appropriate housing. Installation should be checked at least one time a year by a skilled person.

Cleaning and maintenance

Cleaning: Clean the front glass of the fixture with soap and warm water, never clean with strong soluble detergents.

Installation M**aintenance:** 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 spot.
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

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

Should you have further questions , please contact your dealer.

Parts List

MEA-APV-12-12	Power Supply

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