

# MEMO DMX



## USER MANUAL

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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.
2. Do Not install the unit too close to a heat source.
3. Make sure cables are properly secured away from unit movement.
4. Maximum surface operating temperature 104°.

#### Protection Against Electrical Damage



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. Do not open unit risk of electrical shock.

# Specifications

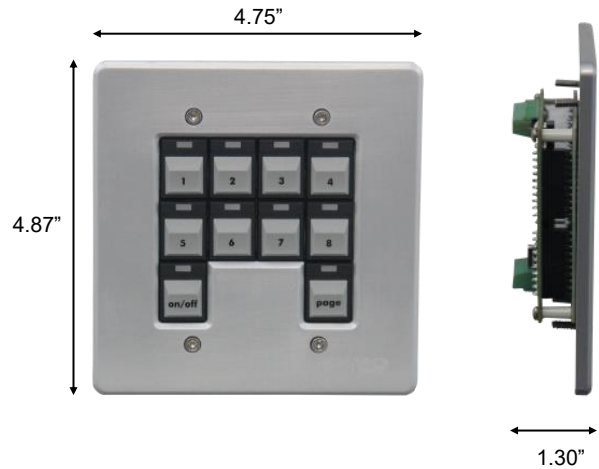
## Part Numbers

### Fixture

MC-1090 Main Unit  
 MC-1091 Remote Unit

## Mechanical Specifications

- DMX Connections:** 3 pin screw type Phoenix In and 3 pin Phoenix Out
- Remote Connections:** 4 pin screw type Phoenix In and 4 pin Phoenix Out
- Power Connection:** 2 pin screw type Phoenix In
- Mounting System:** Fits USA standard 2 gang electrical box
- Button Interface:** 2 Page of 8 Scene retrieval, 1 on/off 1 Page
- Command Switch:** 4 Dip Switch function control



## Electrical Specifications

- Power Supply:** Auto Switch 100V-240V 50/60 HZ Mean Well APV-12-12 (included in Main unit)
- Power Link:** Can link up to 12 remote units per power supply.

## Operation

- DMX Signal:** Unit Serves as a DMX through device
- DMX Record:** Unit records up to 16 scene
- DMX Remote Unit:** All Memo DMX Remote units trigger the Memo DMX Main unit

Memo DMX Main



Memo DMX Remote



## Main Power Connection

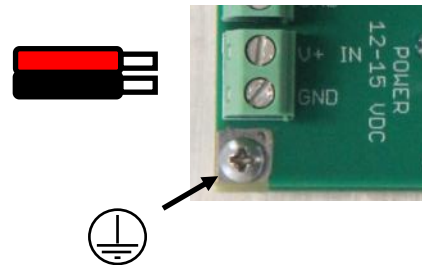
### Caution!

1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (electronically grounded)

The Main device is equipped with a auto switching power supply that will allow you to work from 100V-240V 50/60Hz

The occupation of the connection-cable is as follows:

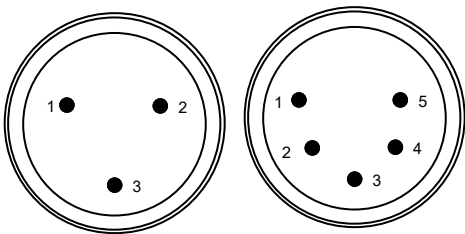
Cable (USA)	Cable (EU)	Pin	110V	220V	Voltage
Black	Brown	Live	L	L	Red +
White	Blue	Neutral	N	L	Black-



## DMX-512 Connection

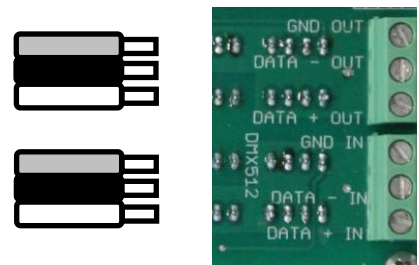
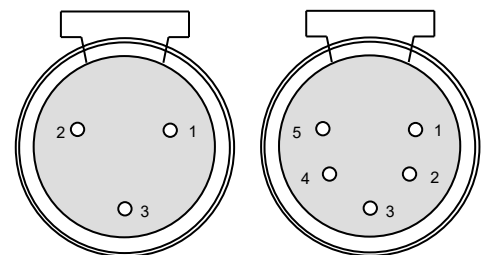
Only use a shielded twisted pair cable designed for RS-485 and 3 or 5 pin XLR plugs and connectors in order to connect the controller with the Memo DMX Main and fixture or the fixture with another.

### DMX—Input



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

### DMX—Output



# Operation

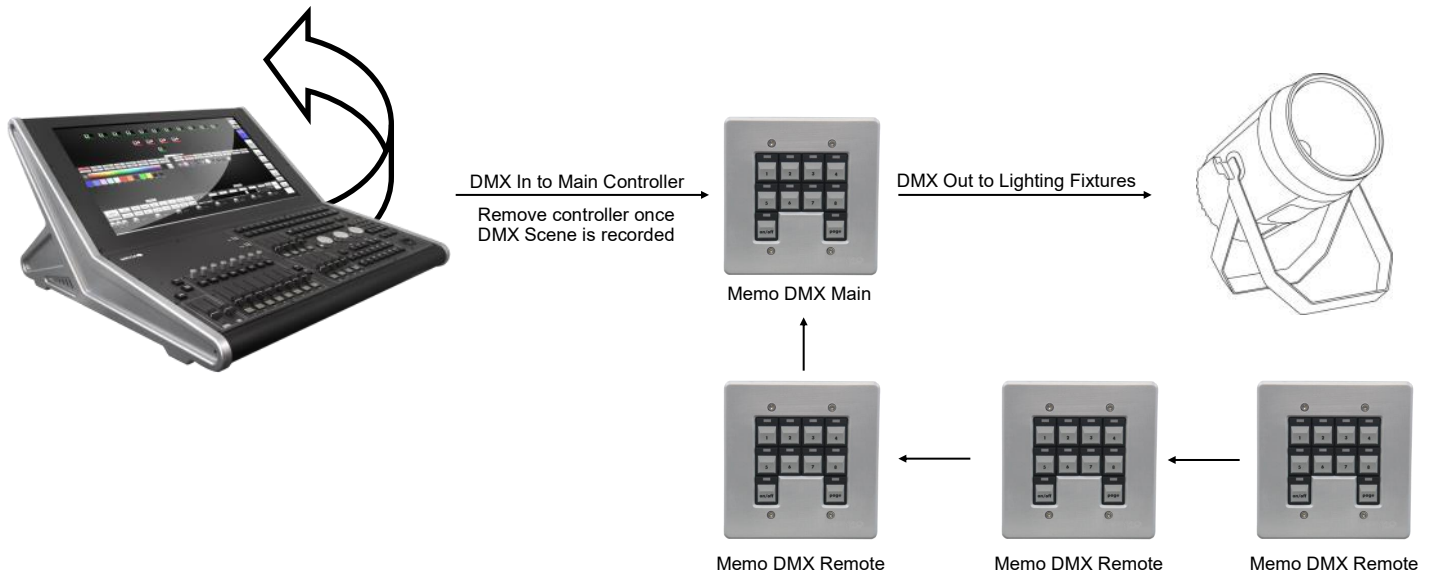
## With Controller Connected



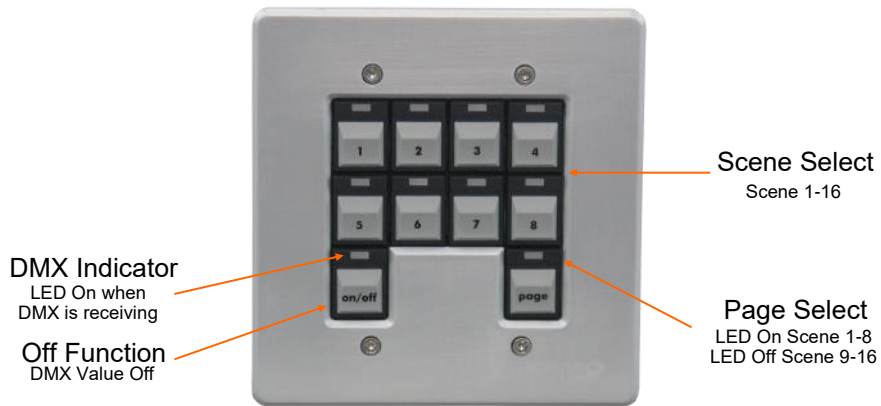
## With Controller Removed



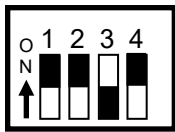
## With Controller Removed and Multiple Remote Units



(note maximum 16 Memo DMX Remote units or 1000ft cable span)



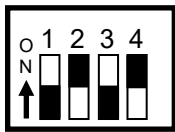
## Control



1 Second Fade Time  
 1 Off  
 2 Off  
 3 On  
 4 Off



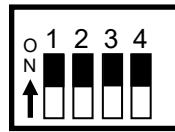
3 Second Fade Time  
 1 Off  
 2 On  
 3 On  
 4 Off



2 Second Fade Time  
 1 On  
 2 Off  
 3 On  
 4 Off

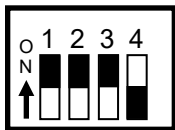


4 Second Fade Time  
 1 On  
 2 On  
 3 On  
 4 Off



Engage Fade Time  
 3 Off Disable Fade time  
 3 On Enables Fade time

## Record



Record  
 4 Off Locks Record  
 4 On Enables Record

To record a scene into the Memo DMX Main Controller first you must have dip switch 4 engaged. Make sure the DMX indicator light above **on/off** button is turned on with proper DMX connection. Select the single scene from your controller you will like to record.

(Note Memo DMX will only record a single scene and not a chase of grouped scenes).

Press and hold for 2 seconds the Scene Select button you wish to record the scene into. The corresponding LED above the button will flash twice indicating the recording was successful. By disabling the dip switch 4 to the off position this will lock the record function from the Memo DMX Main controller.

(Note the scene recording function can only be done from the Memo DMX Main unit not from Memo

## Recording Scenes

1. Make sure dip switch 4 is engaged.
2. Connect valid DMX512 to the input.
3. Confirm the Off button led is lit indicating a valid DMX512 connection.
4. Select the scene from your DMX512 Controller that you will like to record.
5. Select which Page you will like to record into by pressing the **Page** button
6. Pick which scene you will like to record into, Press and hold for 2 seconds
7. Watch for the LED indicator light above the selected scene to flash 2 times.
8. Once finished recording the scenes set dip switch 4 to lock position so no more scenes can be recorded.

## Erasing all Scenes

1. Make sure dip switch 4 is engaged.
2. Remove power connection.
3. While pressing an holding the **Off** and **Page** button reconnect power connection.
4. All the Scene button LED's will flash twice indicating all memories are cleared.
5. Note scene erasing can only be done from the Main unit not a remote.

## Playback a Scene

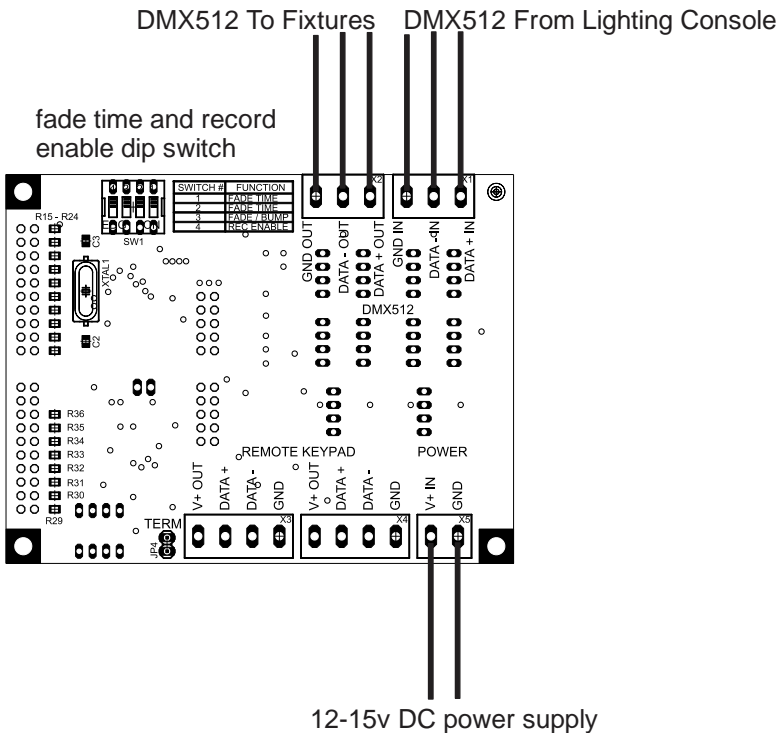
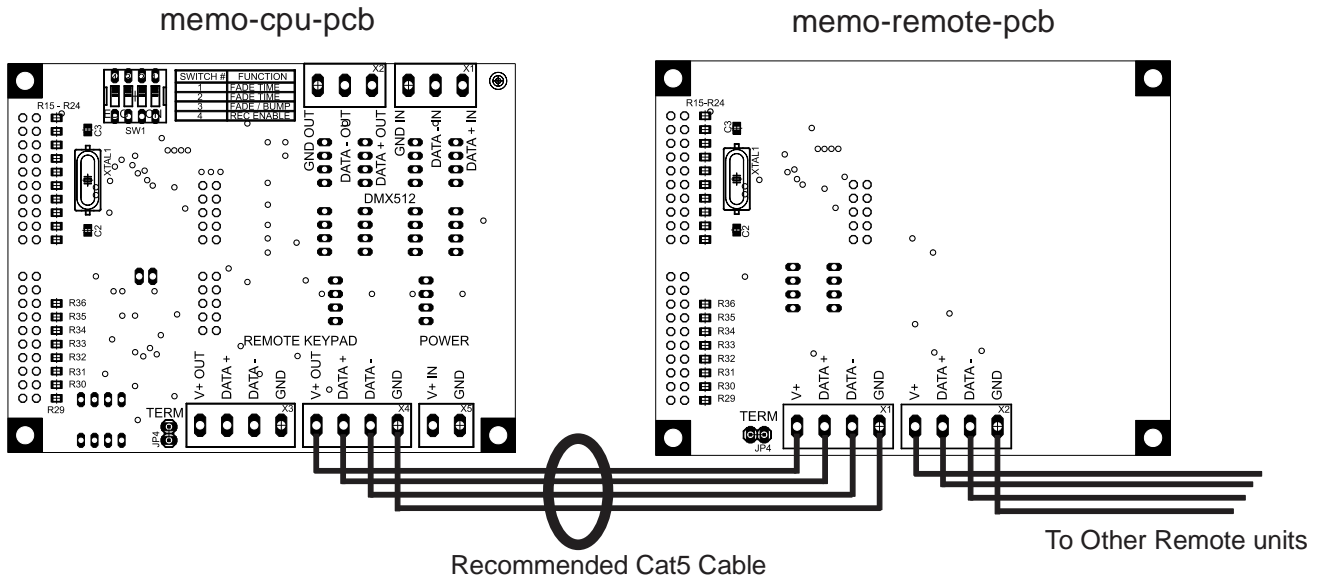
1. Remove DMX512 signal connection or power down controller.
2. Off button LED indicator will de off
3. Select a Page from 1 or 2
4. Press the corresponding Scene button.



# Installation

## 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. Unit must be installed in accordance with City and State ordinance.



## 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.

## Customer Support

Mega Lite has a customer support line to provide set up help and to answer any question should you encounter a problem. Please visit our website for any other related technical documents. For service related issue please contact our service dept.

Monday—Friday 9am to 6pm CST

Voice: 210-684-2600

E-mail: [service@megasystemsinc.com](mailto:service@megasystemsinc.com)



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