LIGHT192 DMX Controller 192 Channels User Manual

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Contents

THANK YOU

for choosing one of our Algam Lighting products. Please read this user's manual carefully and follow the instructions to avoid danger or damage to the unit due to mishandling. Keep this user's guide for future reference.

SAFETY INSTRUCTIONS

The symbols shown above are internationally accepted symbols to warn of potential hazards related to the use of electrical dangers associated with the use of electrical equipment. If any of these symbols are present on your device, please read the following instructions:

 ATTENTION !

Before using your equipment, we recommend that you read all the instructions in this manual.

⚠ DANGER !

Hazardous voltage, risk of electric shock. Do not open the product. To reduce the risk of electric shock do not expose this equipment to rain or moisture.

⚠ ATTENTION !

Fire hazard. Keep all combustible and flammable materials away from the materials away from the unit during operation.

⚠ DANGER !

Safety hazard. This appliance presents a significant risk of injury. Follow the safety instructions.

INSTALLATION

- Unpack and check carefully for transport damage before using the product. Never put a damaged product into operation.
- This product must be installed with strong hooks of adequate size for the weight carried. The product must be screwed to the hooks and tightened properly to prevent it from falling due to vibrations. Also check that the structure (or hanging point) can support at least 10X the weight of the hanging unit. The device must be installed by a qualified person and must be placed out of reach of the public. It is necessary to use a secondary hanging system (safety sling) approved for the weight of the device.
- This unit is intended for indoor use only. Exposing the unit to rain or moisture may result in electric shock or fire.
- Do not place the unit, speakers or any other object on top of the power cord and make sure it is not pinched.
- For proper protection against electric shock, the unit must be connected to earth (ground). The electrical supply circuit must be equipped with a fuse or circuit breaker and a differential protection device.

USAGE

- This appliance must not be used by persons (including children) with limited physical, physiological or mental capabilities or lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or are instructed by that person in the operation of the appliance.
- Never leave this equipment unattended.
- If you experience any problems with the unit, stop using it immediately. Do not attempt to repair it yourself. Contact your dealer or an authorized service center. There are no user replaceable parts.
- NEVER use the unit under the following conditions:
  > In areas subject to vibration or bumps,
  > In places where the ambient temperature is above 45 ° C or below 2 ° C.
  > In areas exposed to excessive dryness or humidity (ideal conditions: between 35% and 80%).
- Never use the unit near flames, flammable or explosive materials or hot surfaces. Doing so may cause a fire.
- It is important to use the supplied power cable (grounded cable).
- Before turning on the power, make sure that the voltage and frequency of the power supply match the power requirements of the unit, as described in this manual.
- Never cut or tamper with the power cord or plug. If a power cord is provided with a ground wire, it is required
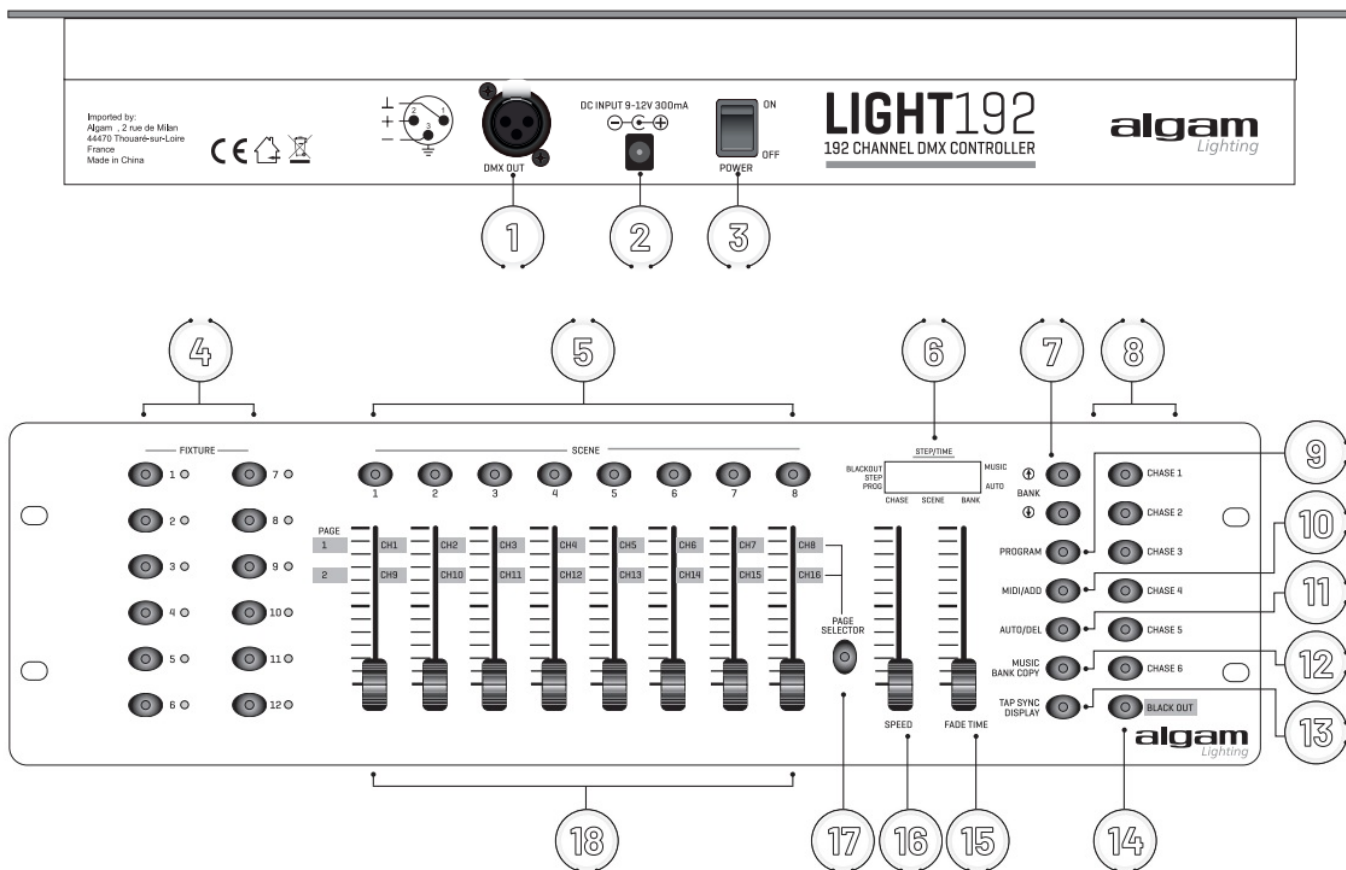
for safe operation! Risk of fatal electric shock!

- Always hold the power cord by the plug. Do not pull on the cord itself and never touch the power cord with wet hands as this may cause a short circuit or electric shock.
- Do not connect this device to a dimmer pack
- DO NOT allow liquids or objects to enter the unit. If liquid is spilled on the unit, immediately UNPLUG the power supply to the unit and contact customer service.
- You must ensure that the power cord never gets wet during operation. Before a thunderstorm and/or a lightning storm, unplug the unit from the mains.
- Under no circumstances should you open the housing of the device. If you do, your safety will not be assured. There are no operational components inside, only dangerous voltages that can give you a fatal shock!

MAINTENANCE / SERVICE

- Never attempt to disassemble, repair or modify the unit yourself. Otherwise, the warranty becomes void. Repairs by unqualified persons may result in damage or malfunction. Please contact the nearest authorized service center. The light source contained in this fixture should only be replaced by the manufacturer or its service agent or a person of equivalent qualification.
- Disconnect the unit from the mains before servicing.
- If the cable or flexible outer cord of this fixture is damaged, it must be replaced with a special cable or cord from the manufacturer or its service agent only.
- Never immerse the unit in water or any other liquid. Wipe only with a slightly damp cloth

CONTROL PANEL DESCRIPTION

	FUNCTION	DESCRIPTION
1	DMX OUT	To send DMX signal to fi xtures or packs
2	DC INTPUT	To supply a DC 9~12V power, 300m A minimum
3	POWER ON / OF	To turn on or off
4	FIXTURES	To select any or all of 12 fi xtures
5	SCENES	To store or run scenes
6	ECRAN LCD	4- digit showing values and settings chosen
7	BANK	30 banks are available for selecting
8	CHASES	To select 1-6 chases
9	PROGRAM	To activate the program mode. Display blinks when activated
10	MIDI/ADD	To control MIDI operation or activates save function
11	AUTO/DEL	To select Auto run in chase mode or delete scenes and/or chases
12	MUSIC/BANK COPY	To trigger sound activation in Chase mode or to copy a bank of scen es from one to another in program mode
13	TAP SYNC/DISPLAY	In Auto Chase mode used to change the rate of chase and in progra m mode change LCD display value
14	BLACKOUT	Disables all channel outputs
15	FADE TIME SLIDERS	To adjust the Fade Time. Fade Time is the time it takes the DMX Con troller to completely change from one scene to another.
16	SPEED SLIDERS	To adjust the rate of chase speed in Auto Mode
17	PAGE SELECTOR	To select page A for channel 1 to 8, or page B for channel 9 to 16
18	FADERS	To adjust the output level from 0-255 or the intensity from 0%-100% of each channel

OPERATION INSTRUCTIONS

INTRODUCTION

This device lets you program 12 scanners with 16 DMX channels, 30 banks with 8 programmable scenes and 6 chases of 240 programmed scenes using 8 faders and other control buttons.
To customize your effects, you can assign or invert DMX channels.

Two or more devices can communicate with each other and receive or send data.

DMX 512 ADDRESSING

Select the address wanted by adding the total or Dip switches on. Dip Switch no .10 is not used with DMX but normally to select some functions, i.e. Master /Slave, Sound activation, etc.
Each of the 12 fixtures is assigned 16 channels. The Dip switches are set as per the chart below :

SCANNERS	CHANNELS	DIP SWITCHES ON
1	1-16	0 or 1 based on scanner
2	17-32	1 – 5
3	33-48	1 – 6
4	49-64	1 – 5 – 6
5	65-80	1 – 7
6	81-96	1 – 5 – 7
7	97-112	1 – 6 – 7
8	113-128	1 – 5 – 6 – 7
9	129-144	1 – 8
10	145-160	1 – 5 – 8
11	161-176	1 – 6 – 8
12	177-192	1 – 5 – 6 – 8

SCENE

SCENE PROGRAMMING

1. Press and hold PROGRAM button for three seconds to activate program mode. The LCD next to "program" blinks, indicating the program has been started.
2. Select a fixture to program, by pressing any or all SCANNER buttons 1 to 12.
3. Adjust the faders to the desired output level for all channels (i.e. Color, Gobo, Pan, Tilt, etc.) of selected fixture or fixtures. Press PAGE SELECTOR A/B if the fixture has more than 8 channels. When selecting from Page A to B, you have to move sliders to activate channels.
4. If you have set the fixture to your liking and wish to program another fixture, press the SCANNER button you have finished adjusting. This will hold the fixture in it's final configuration. Select another fixture/s by pressing the target SCANNER button and proceed to adjust the faders. To achieve the settings you desire.
5. Repeat steps 2 and 3 until you have set the fixtures the way you like.
6. When entire scene is set to your liking press and release the MIDI/ADD button.
7. Select the desired bank to store scene using BANK ⊕ et ⊕ . There are 30 banks you can store up to 8 scenes per bank for a total of 240 scenes.
8. Then press a Scene Button 1-8 to store the scene. All LEDs blink 3 times. The LCD will display the bank and scene where scene was stored.
9. Repeat steps 2-8 to record your desired scenes.

You can copy the settings from one scanner button to another in case you want to add more fixtures to your show. Just press and hold the scanner button you want to copy, then press the scanner button you want to copy to.
To exit programming mode press and hold the Program button for 3 seconds.
(When you exit programming, the Blackout Led is on, press Blackout button to de-function blackout.)

SCENE EDITION

This function allows you to make changes in a previous programmed scene.

1. Press the PROGRAM button for three seconds to enter program mode.
2. Use BANK ⊕ et ⊕ button to select the bank that stores the scene you wish to edit.
3. Select the scene you want to edit by pressing it's SCENE button.
4. Use the faders to make your desired adjustments.
5. Press the MIDI/ADD button then followed by the SCENE button that corresponds to the scene you editing to store it to memory.

You must select the same scene you selected earlier otherwise you may accidentally record over an existing scene.

SCENE COPY

This allows you to copy the settings of one scene to another.

1. Press the PROGRAM button for three seconds to enter program mode.
2. Use BANK ⊕ et ⊕ button to locate the bank that stores the scene to copy.
3. Select desired scene you want to copy by pressing the SCENE button.
4. Use BANK ⊕ et ⊕ n to select the bank where you want to store the copies scene.
5. Press MIDI/ADD followed by the SCENE Button where you want to copy to.

DELETE SCENE

This function will reset all DMX channels incorporated with a scene to 0.

1. Select the desired scene to delete.
2. While pressing and holding AUTO/DEL, press the SCENE button (1 to 8) you want to delete

ERASE ALL SCENES

This will erase all scenes in all banks. All scenes are reset to O..

1. Press and hold down PROGRAM and BANK ⊕ buttons while turning power off.
2. Re- connect the power, all scenes should be erased.

MANUAL RUN SCENES

When the power is first turned on, the unit is in manual scene mode. If in Program mode, press and hold the PROGRAM button for three second and the program LED will go out. The controller is now in Manual mode.

1. Be sure that the AUTO & MUSIC buttons' LEDs are off.
2. Select the Bank, using the BANK ⊕ et ⊕ buttons that stores the scenes you wish to run.
3. Press the SCENE Button to run the scenes you selected.

AUTO RUN SCENES

This function will run a blank of programmed scenes in a sequential loop.

1. Press AUTO/DEL once to activate the Auto Run mode.
2. Use the BANK ⊕ et ⊕ buttons to select a bank of scenes to run.
3. Now you can use the SPEED and FADE Sliders to adjust the scenes to you liking. The fade setting should

never be slower than the speed setting or the scenes will not be completed.

4. You can change banks on the fly by pressing the BANK et buttons.

MUSIC RUN SCENES

1. Press the MUSIC/BANK COPY button and the corresponding indicator light will come on in LCD.
2. Select desired bank that stores the scenes you wish to chase by swing ⊕ et ⊕ buttons or you can control via MIDI signals.
3. Press MUSIC/BANK COPY once more to exit.

MIDI

MIDI RUN SCENES

Select bank to run scenes using MIDI whenever it is in Manual Au to or Music Run mode.

CHASE

CHASE PROGRAMMING

You have to program scenes before you can program chases

1. Press and Hold the PROGRAM button for 3 seconds to enter programming mode.
2. Choose the CHASE(1-6) to be programmed.
3. Select the desired scene form any bank. Scenes are run in the order that they are programmed into the chase.
4. Press the MIDI/ADD button, all the LED will flash 3 times.
5. Repeat steps 3 and 4 as many as you want .You can record up to 240 scenes into one chase.
6. Press and hold the PROGRAM Button for 3 seconds to exit programming mode.

ADDING A STEP TO A CHASE

1. Press and hold the PROGRAM button for 3 seconds to enter programming mode.
2. Select the CHASE 1-6 to which you wish to add a step. Press TAP SYNC/DISPLAY and the LCD show the scene

   and bank. This is the bank containing the scene you wish to add.
3. Press TAP SYNC/DISPLAY again and LCD show the Chase that you have selected.
4. Use the ⊕ et ⊕ buttons to scroll through the chase to reach you have selected.
5. Press MIDI/ADD, the LCD will read one step number higher.
6. Press the scene button you wish to add.
7. Press MIDI/ADD again to add new step.
8. Press and hold the PROGRAM Button for 3 seconds to exit programming mode.

DELETING A STEP IN A CHASE

1. Press and hold the PROGRAM button for 3 seconds to enter programming mode.

2. Select the chase 1 to 6 from which you wish to delete a step.

3. Press TAP SYNC/DISPLAY and the LCD shows the Chase that have selected.

4. Use the ⊕ et ⊕ buttons to scroll through the chase to reach the step you wish to delete.

5. Press AUTO/DEL and the scene will be deleted.

6. Press and hold the PROGRAM Button for 3 seconds to exit programming mode.

DELETE CHASES

All Scenes are still available.

1. Press and hold the PROGRAM button for 3 seconds.

2. Press the chase button that you want to delete.

3. Press and hold the AUTO/DEL button and then press and hold the CHASE button of the have to be deleted. The LEDs will flash three times.

4. Release both buttons and the chase will be deleted.

DELETE ALL CHASES

All Scenes are still available.

1. Press and hold down the BANK ⊕ and AUTO/DEL buttons while turning power off.

2. Re-connect the pmver, all chases should be deleted.

MANUAL RUN CHASES

This funcion will enable you to manually step through a selected chase.

1. Press and hold the PROGRAM button for 3 seconds to enter programming mode.

2. Start a chase by selecting one of the six CHASE buttons.

3. Press the TAP SYNC/DISPLAY button. Each time you press the button, you will step through the chase.

4. Use BANK ⊕ et ⊕ buttons to scroll through the chases.

5. Press and hold the PROGRAM button for three seconds to exit programming mode.

AUTO RUN CHASES

1. Press any or all of the six CHASE button to select the desired chase.

2. Press and release the AUTO/DEL button. The corresponding LED will flash.

3. Adjust the Speed and Fade Time to your desired settings. The Chase will run according to your settings.

4. You can override the speed and fade time by tapping the TAP SYNC/DISPLAY button three times. Then the chase will run based on the time interval of your taps.

Never adjust Fade time slower than the Speed setting otherwise your scenes will not be completed before a new step is sent!

If you wish to include all the chases, press AUTO/DEL button before selecting chase.

MUSIC RUN CHASES

1. Press one of the six CHASE buttons to select your desired chase.
2. Press and release the MUSIC/BANK-COPY button. The corresponding LED will flash in the LCD.
3. Your chase will now run to the sound.

When you exit a chase by pressing the CHASE button, the controller will automatically run the scenes that are in the last bank accessed.
To stop the movement of the lights either use the BLACKOUT button or press MUSIC if in music mode or the AUTO button.

BANK

COPY BANK

This function enables you to copy the settings of one bank to another bank.

1. Press and hold the PROGRAM Button for three seconds to activate the programming mode.
2. Select the bank you want to copy.
3. Press and release the MIDI/ADD button.
4. Select the bank into which you want to copy to.
5. Press the MUSIC/BANK COPY button. The LCD display will flash shortly to indicate the copy has been finished.

DELETE A BANK

1. Press and hold the PROGRAM Button for three seconds to activate the programming mode.
2. Select the bank to be deleted. Press the AUTO/DEL and MUSIC/BANK COPY at the same time to delete the Bank. The LCD will flash to indicate the function completion.

COPY A BANK TO A CHASE

1. Press and hold the PROGRAM Button for three seconds to activate the programming mode.
2. Select the bank of scenes you wish to copy.
3. Select the chase to which you want to copy the bank of scenes.
4. Press MUSIC/BANK COPY, and MIDI/ADD simultaneously. The scenes of the bank are copied to the Chase.
5. Press and hold the PROGRAM Button for three seconds to exit programming mode.

TROUBLESHOOTING

Colors don't respond when faders are moved.

- Make sure address is correct .
- If the XRL cable is more than 30 meters, check if it is terminated properly.

Mirrors don't respond when faders are moved.

- Make sure address is correct. Make sure speed is adjusted, if available, for faster movement.
- If the XRL cable is more than 30 meters, check if it is terminated properly.

Scenes don't run after record them.

- Make sure to press ADD button before pressing SCENE button.
- Be sure you are in the correct Bank that has scenes recorded.

Scenes don't run correctly as recorded them.

- Made sure all fixtures were recorded.
- Make sure you are in the correct bank that has scenes recorded.
- If the XRL cable is more than 30 meters, check if it is terminated properly.

Chase don't run after record them.

- Make sure to press ADD button after pressing SCENE button. LED should blink after pressing ADD button.
- Be sure you are in the correct chase that has steps recorded.
- If in Auto Mode, did you adjust speed after selecting Auto?
- Is Fade time to long for speed selected?
- If the XRL cable is more than 30 meters, check if it is terminated properly.

SPECIFICATIONS

12 fixtures of up to 16 channels.
30 banks of 8 scenes each for a total 240 scenes.
6 chased each up to 240 scenes.
8 faders adjust the DMX output level from O to 255.
2 faders control chase speed and fade time.
Built in Microphone.
Blackout

- **Power Input** DC9-12V / 300mA
- **DMX Output** Connecteur XLR 3 broches de type femelle
- **Size** 19″x 5.25 x 3″ (inch)

 This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version.
Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal arm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility

C€ This Algam Lighting product is compliant to all required UE certifications and conformed to following standard and UE directives:
LVD Directive 2014/35/EU :
EMC Directive 2014/30/EU :
RoHS 2 Directive 2011/65/EU
The UE DECLARATION OF CONFORMITY is available, if you need it, please just ask for it at :**contact@algam.net**

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Documents / Resources

	LIGHT192 LIGHT192 DMX Controller 192 Channels [pdf] User Manual LIGHT192 DMX Controller 192 Channels, LIGHT192, DMX Controller 192 Channels, Controller 192 Channels, Channels

Manuals+,