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Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

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Improvement and changes to specifications, design and this manual, may be made at any time without prior notice.

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**Customer Support:** ADJ Products, LLC provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at [www.adj.com](http://www.adj.com) for any comments or suggestions. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Pacific Standard Time.

Voice: (323) 582-3322  
Fax: (323) 582-3108  
E-mail: [support@AmericanDJ.com](mailto:support@AmericanDJ.com)

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

**Caution!** There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact ADJ Products, LLC.

***PLEASE recycle the shipping carton when ever possible.***

## Features

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24 channel conventional dimming console  
Two scene operation (A/B faders)  
11,000 programmable scenes- password protected  
48 programmable chases (stacks)- password protected  
Up to 1,000 scenes (steps) per chase  
12 x 4 Pages = 48 total chases  
Solo & Pile On chase operation  
Blind & Dark functions  
24 individual channel faders  
24 bump buttons  
Tap Sync button for chase speed / fade override  
Independent speed & fade control  
Full-On button for 100% momentary output to all 24 channels  
Bright LCD display  
Use in conjunction with the ADJ or Elation: DP-DMX20L, CYBER PAK,  
UNI PAK-II, UNI BAR, DP-415, DP-640, RMD620 & RMD1210  
Line level audio input and built in microphone for music sync  
operation  
Audio level fader  
Fog Machine input and trigger button- compatible with ADJ  
Vaporizer, MB-1000, Stallion, Vapor- Flow, Fog Storm-1200 & 1700  
DMX Polarity switch (2-, 3+, / 2+, 3-)  
Midi In, Out & Thru connectors

# General Instructions

---

*Read the instruction in this manual carefully and thoroughly, as they give important information regarding safety during use and maintenance. Keep this manual with the unit, in order to consult it in the future. If the unit is sold or given to another operator, make certain that it always has its manual, to enable the new owner to read about its operation and relative instructions.*



## Warnings

- **DO NOT** make any inflammable liquids, water or metal objects enter the unit.
- Should any liquid be spilled on the unit, **DISCONNECT** the power supply to the unit immediately.
- **STOP** using the unit immediately in the event of serious operation problems and either contact your local dealer for a check or contact us directly.
- **DO NOT** open the unit--there are no user serviceable parts inside.
- **NEVER** try to repair the unit yourself. Repairs by unqualified people could cause damage or faulty operation. Contact your nearest dealer.

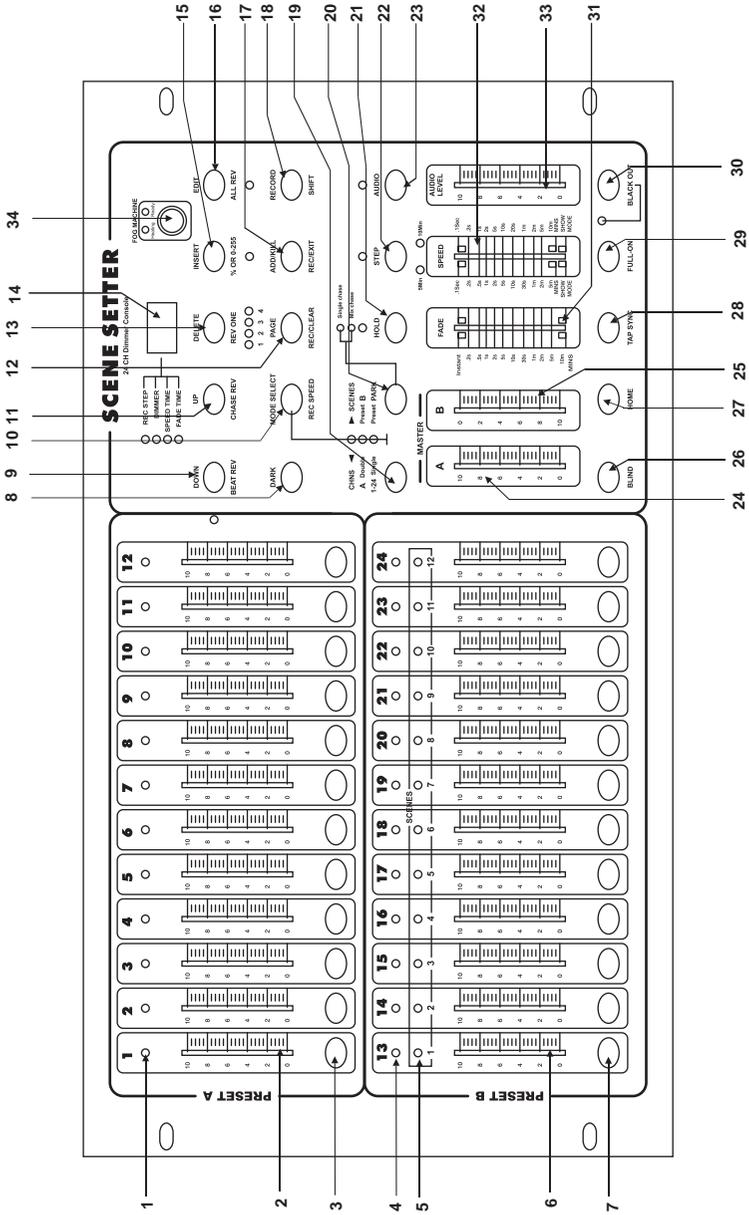


## Cautions

- This unit is **NOT** intended for home use.
- After having removed the packaging check that the unit is **NOT** damaged in any way. If in doubt, **DON'T** use it and contact an authorized dealer.
- Packaging material (plastic bags, polystyrene foam, nails, etc.) **MUST NOT** be left within children's reach, as it can be dangerous.
- This unit must only be operated by adults. **DO NOT** allow children to tamper or play with it.
- **NEVER** use the unit under the following conditions:
  - In places subject to excessive humidity.
  - In places subject to vibrations or bumps.
  - In places with a temperature of over 45°C/113°F or less than 2°C/35.6°F.Protect the unit from excessive dryness or humidity (ideal conditions are between 35% and 80%).
- **DO NOT** dismantle or modify the unit.

# 1. Overview

## 1.1 Front View



# 1. Overview

---

## 1.1 Front View

- |                           |   |
|---------------------------|---|
| 1. Preset A LEDs          | Show the current intensity of the relevant channel numbered from 1 to 12.   |
| 2. Channel Sliders 1-12   | These 12 sliders are used to control and /or program the intensities of channels 1-12.  |
| 3. Flash Buttons 1-12     | These 12 buttons are used to bring an individual channel, to full intensity.  |
| 4. Preset B LEDs          | Show the current intensity of the relevant channel numbered from 13-24.   |
| 5. SCENE LEDs             | Light when relevant scenes are active.  |
| 6. Channel Sliders 13-24  | These 12 sliders are used to control and /or program the intensities of channels 13-24.   |
| 7. Flash Buttons 13-24    | These 12 buttons are used to bring an individual channel, to full intensity. They also are used for programming.  |
| 8. Dark Button            | This button is used to momentarily black out overall output.  |
| 9. Down/Beat Rev          | DOWN functions to modify a scene in Edit mode; BEAT REV is used to reverse the chasing direction of a program with regular beat.  |
| 10. Mode Select/Rec Speed | Each tap will activate the operating mode in the order: CHNS /SCENES, Double Preset and Single Preset. Rec Speed: Set the speed of any of the programs chasing in Mix mode. |
| 11. Up/Chase Rev          | Up is used to modify a scene in Edit mode. Chase Rev is to reverse the chasing direction of a scene under Speed Slider control.   |
| 12. Page Button           | Tap to select pages of scenes from Page 1-4.  |
| 13. Delete/ Rev One       | Delete any step of a scene or reverse the chasing direction of any program.   |
| 14. Segment Display       | Shows the current activity or programming state.  |
| 15. Insert / % or 0-255   | Insert is to add one step or steps into a scene. % or 0-255 is used to change display value cycle between % and 0-255.  |

# 1. Overview

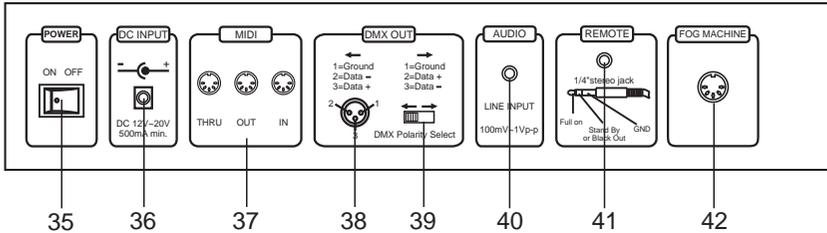
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## 1.1 Front View

- |                           |   |
|---------------------------|---|
| 16. Edit / All Rev        | Edit is used to activate Edit mode.<br>All Rev is to reverse the chasing direction of all programs.   |
| 17. Add or Kill/ Rec Exit | In Add mode, multiple scenes or Flash buttons will be on at a time.<br>In Kill mode, pressing any Flash button will kill any other scenes or programs.<br>Rec Exit is used to exit from Program or Edit mode. |
| 18. Record/ Shift         | Record is used to activate Record mode or program a step.<br>Shift functions only used with other buttons.  |
| 19. Master A Button       | Brings channel 1-12 to full of current setting.   |
| 20. Park Button           | Used to select Single/Mix Chase, bring Channel 13-24 to full of current setting, or momentarily program a scene into Master B slider, depending on the current mode.  |
| 21. Hold Button           | This button is used to maintain current scene.  |
| 22. Step Button           | This button is used to go to next step when the Speed Slider is pushed to the bottom or in Edit mode.   |
| 23. Audio Button          | Activates audio sync of chase and audio intensity effects.  |
| 24. Master Slider A       | This slider controls overall output of all channels.  |
| 25. Master Slider B       | This slider controls the chase of all programs.   |
| 26. Blind Button          | This function takes the channel out of the chase of a program in CHNS /SCENE mode.  |
| 27. Home Button           | This button is used to deactivate the Blind.  |
| 28. Tap Sync Button       | Repeatedly tapping this button establish the chase speed.   |
| 29. Full On Button        | This function bring overall output to full intensity.   |
| 30. Black Out Button      | This button is used to kill all output with exception for that resulting from Flash and Full On.  |
| 31. Fade Time Slider      | Used to adjust the Fade Time.   |
| 32. Speed Slider          | Used to adjust the chase speed.   |
| 33. Audio Level Slider    | This slider controls the sensitivity of the Audio input.  |
| 34. Fog Machine button    |   |

# 1. Overview

## 1.2 Rear View

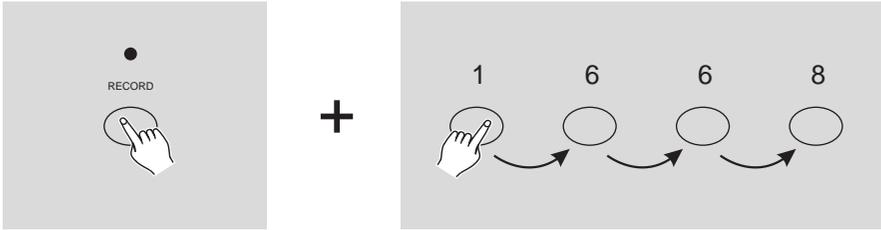


- |                           |  |
|---------------------------|--|
| 35. Power Switch          | This switch controls turning on or off of the power.   |
| 36. DC Input              | DC 12-20V, 500 mA Min.   |
| 37. MIDI Thru/Out/In      | MIDI ports for connection to a sequencer or MIDI device.                                       |
| 38. DMX Out               | This connector sends your DMX value to the DMX fixture or DMX pack.                            |
| 39. DMX Polarity Select   | Used to select DMX polarity.   |
| 40. Audio Input           | This jack accepts a line level audio input signal ranged from 100mV to 1Vpp.                   |
| 41. Remote Input          | Black Out and Full On may be controlled by a remote control using a standard 1/4" stereo jack. |
| 42. Fog Machine Connector |  |

## 2. Operation Guide

### 2.1 Begin Programming

#### 2.1.1 Record Enable



1. Press and hold down the Record button.
2. While holding down the Record button, tap the Flash buttons 1, 6, 6 and 8 in sequence.
3. Release the Record button, the Record LED lights up, now you can begin programming your chase patterns.

#### **NOTE:**

The first time you turn on your unit, the default setting of the Record Code is Flash buttons 1, 6, 6 and 8.

You may change the Record Code to protect your programs.

#### 2.1.2 Security for Your Programs

To protect your programs from any editing by others, you may change the Record Code.

1. Enter current Record Code(Flash buttons 1, 6, 6 and 8).
2. Press and hold down the Record and Edit buttons at a time.

# 2. Operation Guide

## 2.1.2 Security for Your Programs

3. While holding the Record and Edit buttons, tap the desired Flash button to enter a new Record Code  
The Record Code consists of 4 Flash buttons(the same button or different buttons), be sure your new Record Code consists of 4 Flash buttons.
4. Enter your new Record Code a second time, all channel LEDs and scene LEDs will flash three times, now the Record Code is changed.
5. Exit Record mode. Tap the Rec Exit button while pressing and holding down the Record button, release the two buttons at a time, the Record mode is disengaged.

### **IMPORTANT!!!**

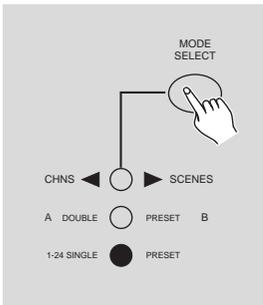
**Always remember to exit Record mode when you won't continue your programming, otherwise you may lose control of your unit.**

### **NOTE:**

The second time you enter your new Record Code different from that of the first time, the LEDs will not flash, which means you've failed to change the Record Code.

When you've entered a new Record Code the first time, and now you want to cancel the new Record Code, you may press and hold down the Record and Exit buttons at a time to exit.

## 2.1.3 Program Scenes

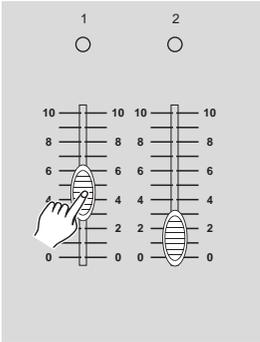


1. Record Enable.
2. Select the 1-24 Single mode by tapping the the Mode Select button. This will give you control of all 24 channels as you program.

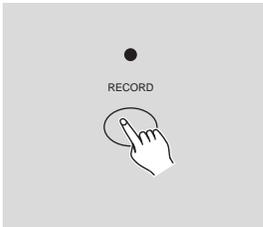
Be sure that Master A & B are both set at maximum.  
(Master A is at its maximum in the fully up position , while Master B is at its maximum in the fully down position.)

## 2. Operation Guide

### 2.1.3 Program Scenes

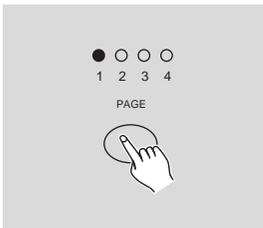


3. Create a desired scene using Channel Sliders 1-24. At 0% or DMX 0, these sliders should be at 0 position, and at 100% or DMX 255, these sliders should be at 10 position.



4. Once the scene is satisfactory, tap the Record button to program the scene as a step into the memory.

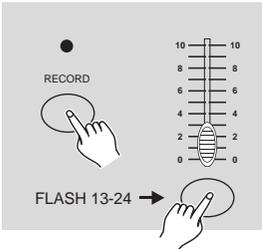
5. Repeat step 3 and step 4 until all desired steps have been programmed into memory.  
You may program up to 1000 steps into memory.



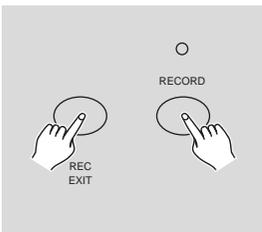
6. Select a chase bank or scene master to store your program. Tap the Page button to select a page(Page 1-4) to store your scenes.

## 2. Operation Guide

### 2.1.3 Program Scenes



7. Press a Flash button between 13-24 while holding down the Record button. All LED will flash indicating the scenes have been programmed into memory.



8. You can continue programming or exit. To exit Program mode, tap the Exit button while holding down the Record button, the Record LED should go out.

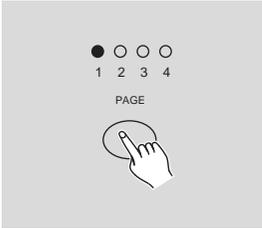
**EXAMPLE:** Program a 16 steps chase with channel 1-16 at full in sequence into Flash button 15 of Page 1.

1. Record enable.
2. Push Master A & B to maximum position and Fade slider to top.
3. Tap the Mode Select button to select 1-24 Single mode.
4. Push Channel slider 1 to the top position, its LED light at full intensity.
5. Tap the Record button to program this step into memory.
6. Repeat steps 4 and 5 until you've programmed Channel sliders 1-16.
7. Tap the Page button causing Page 1 LED lights.
8. Tap the Flash button 15 while holding down the Record button, all LEDs will flash indicating you've programmed the chase into memory.

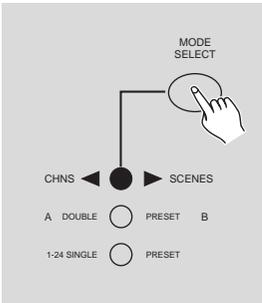
## 2. Operation Guide

### 2.2 Editing

#### 2.2.1 Edit Enable



1. Record enable.
2. Use the Page button to select the page the program you wish to edit is on.



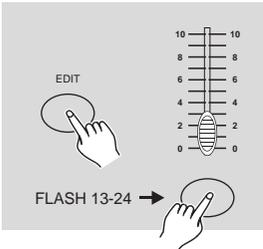
3. Tap the Mode Select button to select CHNS ◀▶ SCENES.



4. Press and hold down the Edit button.

# 2. Operation Guide

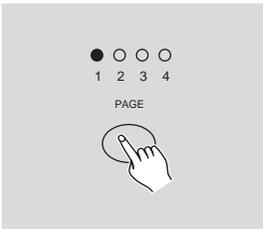
## 2.2.1 Edit Programs



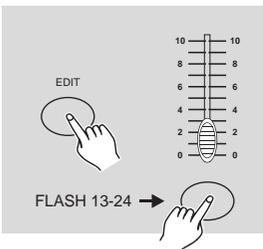
5. While holding down the Edit button, tap the Flash button that corresponds to the program you wish to edit.

6. Release the Edit button, the relevant scene LED should light indicating you are in the Edit mode.

## 2.2.2 Erase a Program



1. Record enable.
2. Use the Page button to select the page the program you wish to erase is on.



3. While holding down the Edit button, tap the Flash button(13-24) twice.

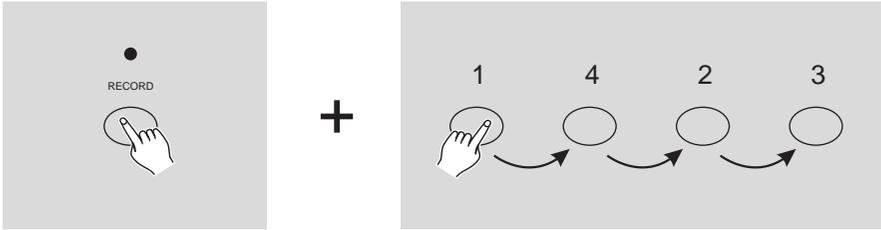
4. Release the two buttons ,all LEDs flash, indicating the program is erased.

Tap this button twice

## 2. Operation Guide

### 2.2 Editing

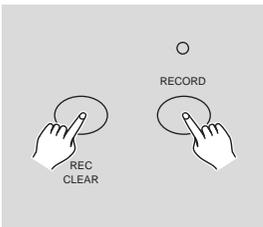
#### 2.2.3 Erase All Programs



1. Press and hold the Record button.
2. Tap the Flash buttons 1, 4, 2 and 3 in sequence while holding the Record button. All LEDs will flash, indicating all programs stored in memory have been erased.

#### 2.2.4 Clear a Scene or Scenes

1. Record enable.
2. Record a scene or scenes.
3. If you are not satisfied with the scene or scenes, you may tap the Rec Clear button while pressing and holding the Record button, all LEDs will flash, indicating the scenes have been cleared.



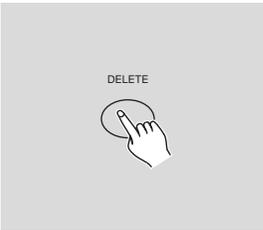
# 2. Operation Guide

## 2.2 Editing

### 2.2.5 Delete a Step or Steps

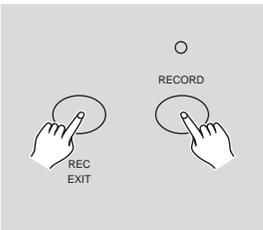


1. Enter the Edit mode.
2. Tap the Step button to scroll to the step you wish to delete.



3. Tap the Delete button when you reach to the step you wish to delete, all LEDs will flash briefly indicating the deletion of the step.

4. Continue steps 2 and 3 until all the unwanted steps have been deleted.



5. Tap the Rec Exit button while pressing and holding down the Record button, the Scene LED goes out, indicating the exit of Edit mode.

## 2. Operation Guide

### 2.2 Editing

#### 2.2.5 Delete a Step or Steps

**EXAMPLE:** Delete the third step of the program on Flash button 15 on Page 2.

1. Record enable.
2. Tap the Mode Select button to select CHNS ◀▶ SCENE mode.
3. Tap the Page button until Page 2 LED lights.
4. Tap the Flash button 15 while pressing and holding down the Edit button, the Scene LED lights.
5. Tap the Step button to scroll to the third step.
6. Tap the Delete button to delete the step.
7. Tap the Rec Exit button while pressing and holding down the Record button to exit Edit mode.

#### 2.2.6 Insert a Step or Steps

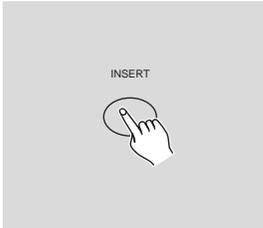


1. Record a scene or scenes you wish to insert.
2. Be sure you're in CHNS ◀▶ SCENE and Enter the Edit mode.
3. Tap the Step button to scroll to the step which you wish to insert before. You may read the step from the Segment Display.

## 2. Operation Guide

---

### 2.2.6 Insert a Step or Steps



4. Tap the Insert button to insert the step you've created before, all LEDs will flash, indicating the step is inserted.

5. Exit Edit mode.

**EXAMPLE:** Insert a step with channels 1-12 fully on at a time between step 4 and step 5 of program 35.

1. Record enable.
2. Push Channel sliders 1-12 to the top and record the scene as a step.
3. Tap the Mode Select button to select CHNS ◀▶ SCENE mode.
4. Tap the Page button until Page 3 LED lights.
5. Tap the Flash button 23 while holding down the Edit button, the corresponding scene LED lights.
6. Tap the Step button to scroll to the step 4.
7. Tap the Insert button to insert the scene you've created before .

## 2. Operation Guide

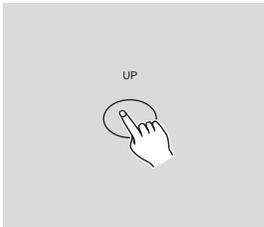
### 2.2 Editing

#### 2.2.7 Modify a Step or Steps



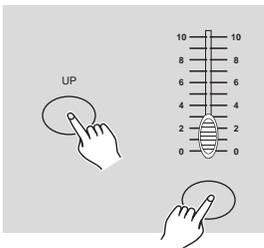
1. Enter Edit mode.

2. Tap the Step button to scroll to the step you wish to modify.



3. Press and hold the Up button if you want to raise the intensity.

If you want to lower the intensity, press and hold down the Down button.



4. While holding down the Up or Down button, tap the Flash button corresponding to the DMX channel of the scene you wish to modify until you reach the desired intensity value read from the Segment Display. Then you may tap the Flash buttons until you are satisfied with the new scene.

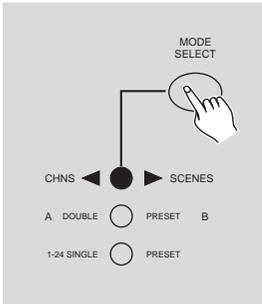
5. Repeat steps 2, 3 and 4 until all the steps have been modified.

6. Exit Edit mode.

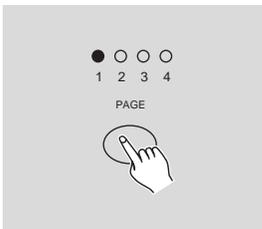
## 2. Operation Guide

### 2.3 Running

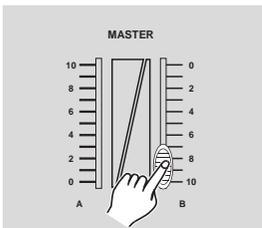
#### 2.3.1 Running Chase Programs



1. Tap the Mode Select button to select CHNS ◀▶ SCENE mode indicated by the red LED.



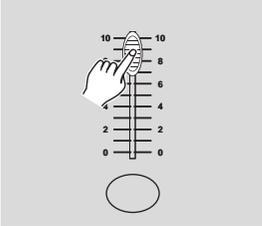
2. Tap the Page button to select the correct page the program you wish to run is located.



3. Push Master Slider B to its maximum position (fully down).

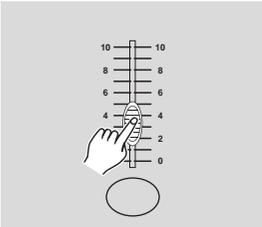
## 2. Operation Guide

### 2.3.1 Running Chase Programs



4. Move the desired Channel slider (13-24) to its maximum position to trigger the program, and the program will fade in depending upon current fade time.

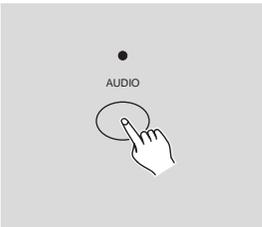
You may press and hold down the relevant Flash button(13-24) to trigger the program.



5. Move the Channel slider to adjust the output of the current program.

### 2.3.2 Running a Program To Audio

1. Use built-in microphone or plug the audio source into the RCA Audio jack.
2. Select your program as described above.
3. Tap the Audio button until its LED lights, indicating Audio mode is active.

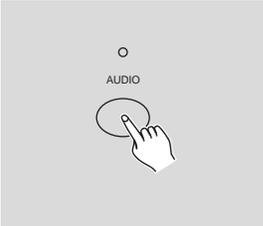


# 2. Operation Guide

## 2.3.2 Running a Program To Audio

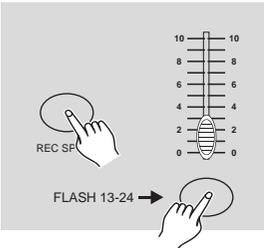


4. Use the Audio Level slider to adjust the music sensitivity.



5. To return to normal mode, tap the Audio button a second time causing its LED goes out, the Audio mode is disengaged.

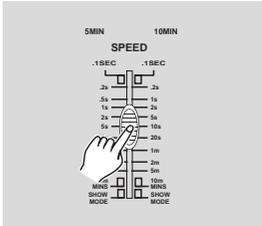
## 2.3.3 Running a Program With the Speed Slider



1. Be sure the Audio mode is disengaged, that is, the Audio LED goes out.
2. Select your program as described above.
3. Move the Speed slider to the SHOW MODE position (the bottom), then tap the Flash button (13-24) while pressing and holding down the Rec Speed button, the corresponding program will not run with the Standard beat any longer.

## 2. Operation Guide

### 2.3.3 Running a Program With the Speed Slider

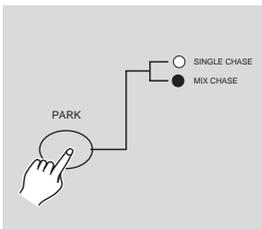


4. Now you may move the Speed Slider to select your desired speed.

#### NOTE:

The step 3 is not necessary if the selected program is not recorded with the Standard Beat.

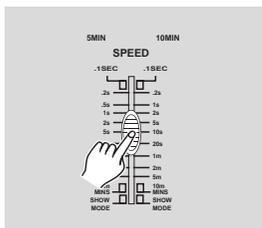
### 2.3.4 Running a Program With the Standard Beat



1. Be sure the Audio is disengaged. Tap the Mode Select button to select CHNS ◀▶ SCENE mode.

2. Tap the Park button to select Mix Chase mode, the LED lights indicating this selection.

3. Select your program as described above.

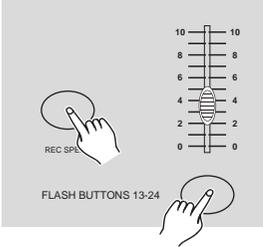


4. Move the Speed slider until the Segment Display reads your desired value.

You may tap the Tap Sync button twice to define your beat time.

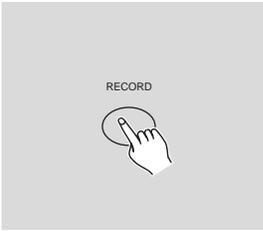
# 2. Operation Guide

## 2.3.4 Running a Program With the Standard Beat

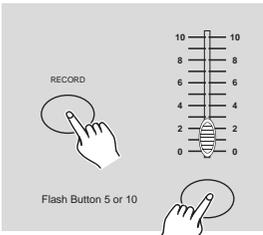


5. While pressing and holding down the Rec Speed button, tap the Flash button(13-24) that stores the program.
6. The program will then run with the set time or beat when engaged.
7. Repeat steps 4 and 5 to set a new beat time.

## 2.4 Change the Speed Mode between 5 Minutes and 10 Minutes



1. Press and hold the Record button.

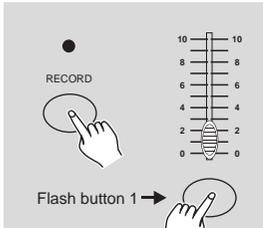


Tap this button three times

2. Tap the Flash button 5 or 10 three times while holding down the Record button.
3. The 5MIN or 10MIN should light up indicating the Speed slider is set to run in the 5 or 10 minute mode.

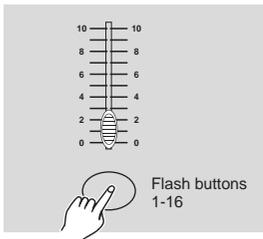
# 3. MIDI Operation & DMX Channel Setup

## 3.1 Setting MIDI IN



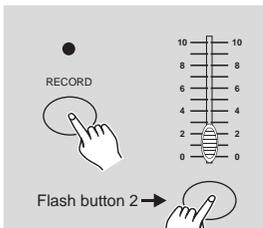
Tap this button three times

1. Tap the Flash button 1 three times while holding down the Record button, the Segment Display reads "CHI" indicating MIDI IN channel setup is available.



2. Tap the Flash button numbered from 1-16 to assign MIDI IN channel 1-16, the relevant channel LED lights indicating MIDI IN channel is set.

## 3.2 Setting MIDI OUT

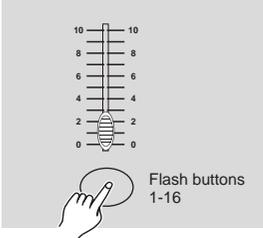


Tap this button three times

1. Tap the Flash button 2 three times while holding down the Record button, the Segment Display reads "CHO" indicating MIDI OUT channel setup is available.

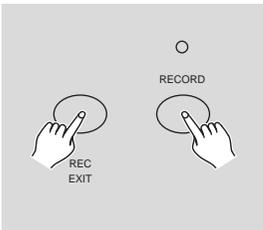
# 3. MIDI Operation & DMX Channel Setup

## 3.2 Setting MIDI OUT



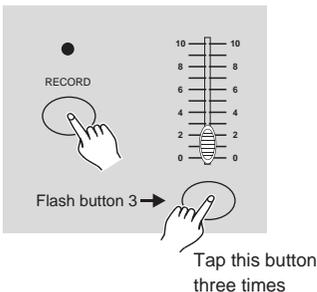
- 2. Tap the Flash button numbered from 1-16 to assign MIDI OUT channel 1-16, the relevant channel LED lights indicating MIDI OUT channel is set.

## 3.3 Exit MIDI Setting



Press and hold down the Record button. While holding down the Record button tap the Rec Exit button to exit MIDI setting.

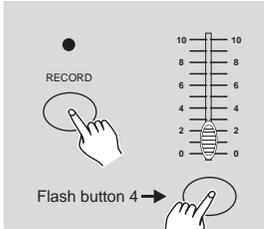
## 3.4 Receiving MIDI File Dump



Tap the Flash button 3 three times while holding down the Record button, the Segment Display reads "IN" indicating the controller is ready to receive MIDI file dump.

# 3. MIDI Operation & DMX Channel Setup

## 3.5 Sending MIDI File Dump



Tap the Flash button 4 three times while holding down the Record button, the Segment Display reads "OUT" indicating the controller is ready to send a file.

Tap this button three times

### NOTE:

1. During file dump, all other operations will not function. Functions will automatically return when the file dump is completed.
2. File dump will be interrupted and stop if errors occur or power failure.

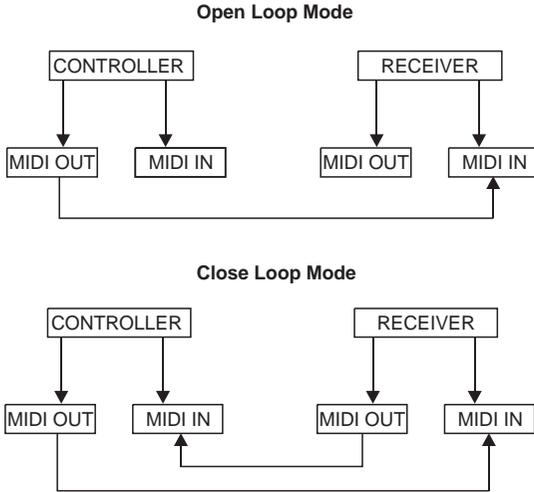
## 3.6 Implementation

1. During receiving and sending MIDI data, all MIDI scenes and channels being run will automatically paused if there is no response within 10 minutes.
2. During receiving and sending file dump, the controller will automatically search for or send Device ID of 55H(85), a file named DC1224 with an extension of "BIN(SPACE)".
3. File dump allows this controller to send its MIDI data to next unit or other MIDI devices.

# 3. MIDI Operation & DMX Channel Setup

## 3.6 Implementation

4. There are two types of file dump mode described as below:



5. The controller will send and receive Note On and Note Off data via the Flash buttons.

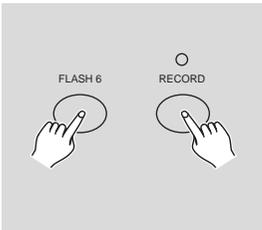
Note NO.	Velocity	Functions
22-69	Program master	turn on or off program 1-48
70-93	Channel intensity	activate Channel 1-24
94		FULL -ON
95		DARK
96		HOLD
97		Turn on or off AUDIO
98		CHNS ◀ ▶ SCENES
99		DOUBLE PRESET Mode
100		SINGLE PRESET Mode
101		Step
102		BLACK OUT

# 3. MIDI Operation & DMX Channel Setup

## 3.7 DMX Channel Setup



1. Be sure this unit has been in Record mode. Press and hold down Record button.



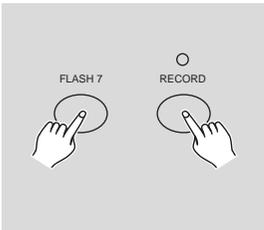
2. Tapping Flash 6 button three times while holding down Record button allows you to access DMX channel setup. The Segment Display reads the current DMX channel.
3. You can select DMX channel within 1-512 using Up or Down button.
4. After you've selected DMX channel, press desired Flash button within 1-24 so that console channel can be assigned to selected DMX channel.
5. A tap of Full on button will give the current DMX channel a full intensity output (255), as can be indicated by all Flash 1-24 LEDs being lit. A tap of Black out button will give the current DMX channel a zero value, as can be indicated by all Flash 1-24 LEDs being off.
6. Tap Exit button following holding down Record button to leave this setup mode.

# 3. MIDI Operation & DMX Channel Setup

## 3.8 Clear of DMX Channel Setup

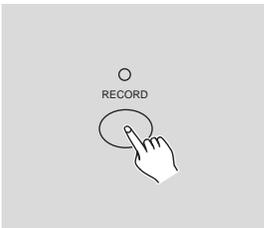


1. Be sure this unit has been in Record mode. Press and hold down Record button.



2. Tapping Flash 7 button three times while holding down Record button allows you to clear DMX channel setup and resume DMX channel to factory setting, i.e., 1-24 channel sequence.

## 3.9 Call 12 Pre-set Programs



1. Be sure this unit has been in Record mode. Press and hold down Record button.
2. Tapping Flash 6, 6, 8 and 8 buttons in sequence while holding down Record button allows you to call 12 factory default programs of page 1. As a result, all other programs will be cleared.

## 4. Brief of Main Functions

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### ***Reverse the direction of the scene***

1. Reverse the direction of all the scenes:  
Press the ALL REV Button, all the scenes should change their directions.
2. Reverse the chasing direction of all the programs with speed control.  
Press the Chase Rev Button.
3. Reverse the chasing direction of all the programs with standard beat:  
Press the Beat Rev Button.
4. Revers chasing direction of any program:  
Press and hold down the Rec One Button, then press down the Flash Button corresponding to your desired program and release together.

### ***Fade Time***

1. The amount of time it will take for the dimmer to go from zero output to maximum output, and vice versa.
2. Fade time is adjusted through the Fade Time Slider, which varies from instant to 10 minutes.

### ***Tap Sync Button:***

1. The Tap Sync button is used to set and synchronize the chase rate (the rate at which all scenes will sequence) by tapping the button several times. The chase rate will synchronize to the time of the last two taps. The LED above the Step Button will flash at the new chase rate. The chase rate may be set anytime whether or not a program is running.
2. Tap Sync will override any previous setting of the speed slider control until the slider is moved again.
3. Use of Tap Sync in setting a standard beat is the same with speed control slider.

### ***Master Slider***

Master Slider control provides proportional level control over all channels and scenes with the exception of the Flash Buttons. For example:

Whenever the Master slider control is at minimum all stage outputs will be at zero except for any resulting from a Flash Button or FULL ON Button.

If the Master is at 50%, all outputs will be at only 50% of the setting of current channel or scenes except for any resulting from a Flash Button or FULL ON Button.

If the Master is at full all outputs will follow the unit setting.

Master A always controls outputs of channels. Master B controls the program or a scene except in Double Preset Mode.

## 4. Brief of Main Functions

---

### *Single Mode*

1. All programs will run in sequential order starting in the order of program number.
2. The Segment Display will read the running program number.
3. All programs will be controlled by the same Speed Slider .
4. Press the MODE SELECT BUTTON and select " CHNS ◀▶ SCENES".
5. Press the PARK BUTTON to select SINGLE CHASE MODE. A red LED will indicate this selection.

### *Mix Mode*

1. Will run all programs synchronously.
2. All programs can be controlled by the same SLIDER SPEED, or each programs speed may be controlled individually. (See Speed Setting ).
3. Press the MODE SELECT BUTTON and select "CHNS ◀▶ SCENES".
4. Press the PARK BUTTON to select MIX CHASE MODE. A yellow LED will indicate this selection.

### *Dimmer Display*

1. The 3-Digit Segment Display is used to display intensity percentage or absolute DMX value.
2. To change between percentage and absolute value:  
Press and hold the Shift Button. While holding down the Shift button press the % or 0-255 Button to switch between percentage and absolute values.
3. If the Segment Display reads, for example, "076", it means a percentage value 76%.  
If the Segment Display reads "076.", it means the DMX value 76.

### *Blind and Home*

1. Blind function takes channels temporarily out from a chase, when the chase is running, and gives you manual control over the channel.
2. Press and hold the Blind Button and tap the relative Flash Button you want to temporarily take out of the chase.
3. To return to normal chase again press and hold the Home Button and push the Flash Button you want to return to normal chase.

## 4. Brief of Main Functions

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### *Park*

1. In CHNS ◀▶ SCENES Mode, press down the button you can change the chasing mode of programs between Single Mode and Mix Mode.
2. In Double Preset Mode, pressing down this button is equal to pushing Master Slider B to the top.
3. In Single Preset Mode, this button could temporarily record current output, with Master Slider B to adjust.

### *Add and Kill*

The ADD/KILL Button changes the mode of the flash buttons. Normally the flash buttons are in Add mode, whereas pressing any flash button will not kill other scenes, allowing multiple scenes to be on at a time.

The Kill mode is activated by pressing the Add/Kill button and illuminating the LED above it. Pressing any flash button will kill other active SCENE or Program.

In Kill Mode, the killed program does not stop running but can not output.

### *Double Preset*

1. Press Mode Select Button to enter A Double Preset Mode.
2. In this mode, Channel Sliders 1-12 and channel sliders 13-24 both control Channel 1-12
3. Master A controls channel Slider 1-12 while Master B controls Channel Sliders 13-24.
4. In this Mode, no scene could be recorded.

### *Example*

1. Enter the Double Preset Mode.
2. Push Channel Sliders 1 to 6 to the top and move Channel Sliders 19 to 24 to the maximum.
3. Move Master A and B to the same level and push them to the same direction, you will get a scene.

# Warranty

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## MANUFACTURER'S LIMITED WARRANTY

- A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. **For warranty service you must obtain a Return Authorization number (RA#) before sending back the product—please contact ADJ Products, LLC Service Department at 800-322-6337.** Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear indentifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

## MANUFACTURER'S LIMITED WARRANTY PERIODS:

**Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)

**Laser Products = 1 Year (365 Days) Limited Warranty** (excluding laser diodes which have a 6 month limited warranty)

**L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) batteries which have a 180 day limited warranty). Only the L.E.D.s carry a 2-year warranty (**excluding StarTec Series which carries a 90 Day Limited Warranty**)

• **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty** (excluding faders and tact switches)

# Notes

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# Technical Specifications

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Power Input .....	DC 12~20V, 500 mA min.
DMX Output .....	3 pin female XLR
MIDI Signal .....	5 pin standard interface
Audio Input .....	100 mV~1Vpp
Fuse(internal) .....	F0.5A 250V 5x20mm
Dimensions .....	482x264x85mm
Weight(appro.) .....	4.6 kg

## Attention!

1. To retain your programs from loss, this unit must be powered not less than two hour every month.
2. The Segment Display shows "LOP" if the voltage is too low.

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