



# ***Lite-4 Pro***



## User's Manual

NO. 24-004-1600 REV 1.0

# Welcome

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Thanks for your purchasing this "Lite-4 Pro" lighting control equipment. This product has the following listed main features:

- 4 Ch. dimming console with 4 dimming faders, 4 flash buttons and 1 master-fader.
- Ch5~8 output switches; Ch9 output switch + adjusting knob.
- 12 original preset chases.
- Chases are programmable and recordable with up to 99 steps.
- FULL ON and STAND-BY functions are provided, and user can also define and reset the FULL ON and STAND-BY functions.
- Manual/Auto/Audio(sound-to-light) triggering mode.
- Built-in microphone & External sound input connector provided.
- 0.05sec~10min speed control & TAP SYNC function.
- Fade to speed & No fade time available.
- Three-character LED display.
- One/Mix/Sequence chasing mode available.
- MIDI signal receivable.
- External step control & USB light connector.

Every effort has been made to design dependability, reliability and comfort into each unit. New products are being designed constantly to meet the needs of both entertainment and the lighting industry. We welcome your comments about our product and services.

It is both a privilege and a pleasure serving you.

# General Instruction

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This is a professional lighting controller with 9 output channels (4 channels with faders & 5 channel-output switches) and 12 preset programs. Each program is editable with up to 99 steps. Lighting effect can be triggered in Manul, Auto, or Audio control mode as your desire. Additionally, this product can receive MIDI signal to realize MIDI control into lighting effect.

To optimize performance of this product, please read the instructions carefully to familiarize yourself with the basic operations.

## Warnings

- This unit must be earthed.
- Do not make any inflammable liquids, water or metal objects enter the unit.
- To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture.
- No user serviceable parts inside, do not dismantle the unit by yourself.
- Repairs must be done by qualified personnel.
- This unit is intended for indoor use only.

## Cautions

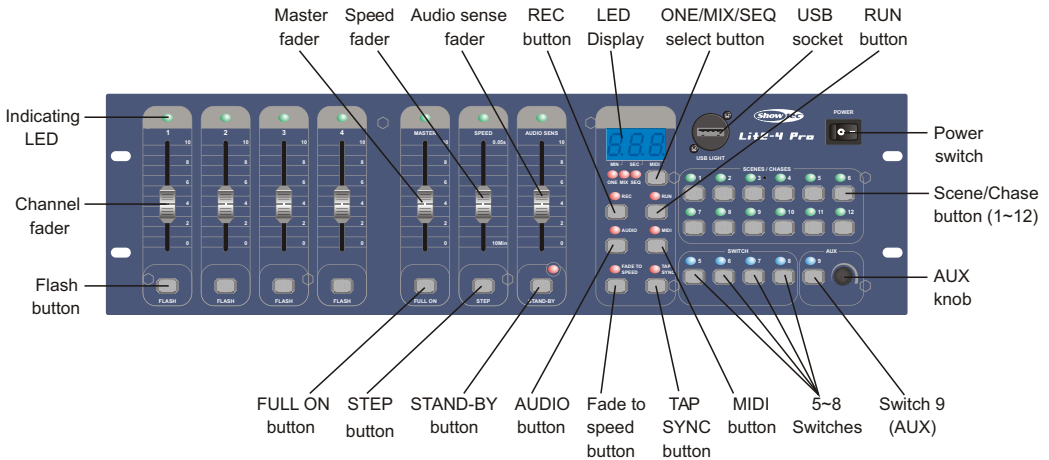
- When unpacking, please check the unit is not damaged. Should something wrong happen to this product, contact the local dealer immediately.
- All rights reserved. No part of the manual included with this product may be reproduced, transmitted, transcribed or translated into any language in any form, by any means, without authorized permission.

### Notice:

Specifications and improvements in the design of this product and this manual are subject to change without any prior notice.

# Control and Functions

## Control Panel View



## Quick Guide

**Power switch:** to turn on/off the main power.

**USB socket:** to connect an USB light.

**Channel fader(s):** to control the dimming output of each corresponding channel.

**Master fader:** to totally control the dimming output of all channels. The master fader is always active during your operation.

**Speed fader:** to adjust the speed level from 0.05 second to 10 minutes.

**Audio Sense fader:** used to adjust the audio sensitivity level as your desire.

**Indicating LED(s):** all channel faders have LEDs that mimic the output level of each fader. LEDs also are indicators of related functions when they are activated.

**Flash buttons:** it is a momentary button that flashes the level of the corresponding fader to full. Press the flash button once to trigger the flash function.

**FULL ON button:** press this button to make the corresponding channel(s) into full dimming level. Additionally, user can also define and reset the "FULL ON" function as your desire.

# Control and Functions

**STEP button:** press this button to manually trigger the programmed chase step by step.

**Stand-by button:** this will allow the operator to instantly stop all channels' output (press this button again to reactivate the output).

**LED-display:** to show you relevant information depending on your operation.

**ONE/MIX/SEQ select button:** press this button to select ONE, MIX or SEQ running mode as your desire (related LED is lit if you select one of these three modes).

**REC button:** holding down this REC button for 3 seconds to enter the editing mode (this is a function button, please see the "Operation Guide" for details).

**RUN button:** this function button, please see the "Operation Guide" for details.

**AUDIO button:** to enable or disable the Audio Sense function.

**MIDI button:** press and hold down this button for about 5 seconds to enter to set desired MIDI channel (see the "Operation Guide" for details).

**Fade To Speed button:** press this button to select "Fade to speed" or "No fade time".

**Tap Sync button:** to establish a interval chasing rate (see "Operation Guide" for details).

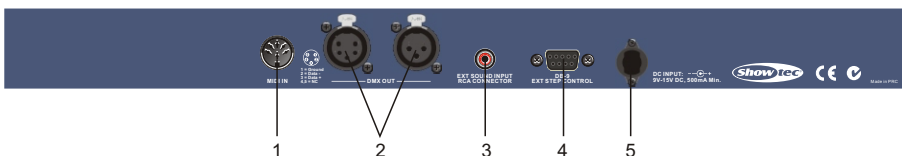
**Scene/Chase buttons (1~18):** to select a Scene/Chase.

**Switches 9~12:** to separately switch on/off the output of Ch5~8.

**Switch 13 (AUX):** this auxiliary switch is used to switch on/off the output of Ch13.

**Adjusting knob:** this auxiliary adjusting knob is used to adjust the output of Ch13 (rotate the knob clockwise to get higher level, rotate it counterclockwise to get lower level).

## Rear Panel View



1. MIDI IN: to receive MIDI data.
2. DMX OUT: 3 Pin/5Pin DMX output sockets (female).
3. EXT Sound INPUT: this RCA connector is used to input external audio signal.
4. DB-9 connector: to connect a external step controller.
5. DC INPUT: to input main power (DC 9V~15V, 500mA Min).

# Operation Guide

## Scene/Chase Editing

### To enter or exit the editing mode

- **Editing entrance:**

Press and hold down the REC button for about 3 seconds till the REC LED is lit, that means you have already entered the editing mode.

- **Editing exit:**

After your operation, you can press the RUN button to exit (REC LED goes out).

### To edit a Scene/Chase

- (1) Firstly, you should press and hold down the REC button for about 3 seconds (till its LED lights up) to enter the editing mode.
- (2) Press one of the Scene buttons to select a scene/chase to be edited (its LED will light up). Note: if you press a Scene button and the LED-display shows you **5 0 0**, that means the current scene/chase is empty. If the LED-display shows you **5 0 1**, that means this scene had already been programmed, it must be deleted before being reprogrammed.
- (3) Use the channel faders to set a scene, then press the REC button to save your setting (all the Scene LEDs flash briefly). The LED-display will show you **5 0 1**, that means you have stored one "step". If you set a second scene and save it, the LED-display will show you **5 0 2**, that means you have stored two "steps". User can set and save up to 99 steps as your desire.
- (4) After your setting, press RUN button to exit the editing mode (REC LED goes out).

### To delete a scene/Chase


If you want to delete a scene/chase, please do as below:

- (1) Firstly, you should press and hold down the REC button for about 3 seconds (till its LED lights up) to enter the editing mode.
- (2) Select a programmed scene/chase to be deleted. Then press and hold down the REC button, and at the same time giving the selected Scene button two quick press. All Scene LEDs will flash briefly, and the LED-display shows you **5 0 0**, that means this scene/chase has already been deleted.
- (3) You can delete another scene/chase in the same way like the above. After your operation, you can press the RUN button to exit the editing mode (REC LED goes out).

# Operation Guide

## To see over a programmed Scene/Chase

Please do as below to see over a programmed scene/chase:

- (1) Firstly, you should press and hold down the REC button for about 3 seconds (till its LED lights up) to enter the editing mode.
- (2) When in the editing mode, you should firstly select a programmed scene/chase and press its button, its LED will light up. (The LED-display shows you , that means the current scene/chase is preprogrammed.)
- (3) You can then tap the STEP button to see over this programmed scene/chase:
  - Each tap can call one "step" accordingly, the LED-display will show you the current step depending on you operation. There are up to 99 steps in a chase.
  - For example, if the current programmed scene/chase has 20 stored steps, you can use the STEP button to see over the chase from Step 01 to Step 20 circularly.  
Note: If you tap the STEP button too quickly, LED-display will show you the stored "steps" in reverse sequence.
- (4) You can see over the other programmed scene/chase in the same way like the above. After your operation, you can press the RUN button or the current Scene button (its flashing LED will go out when you press it) to exit.

## To resume the original preset Chase(s)

This product provides 12 original preset chases for your application. If you want to resume the original preset chase(s), do as below:

### To resume a single chase

- (1) Firstly, you should press and hold down the REC button for about 3 seconds (till its LED lights up) to enter the editing mode.
- (2) Press a Chase button to select a chase to be resumed (its LED lights up). Then you press and hold down the "Tap Sync" button, and at the same time press the REC button, all Scene LEDs flash briefly, that means this original preset chase has been resumed.
- (3) You can resume the other original preset chases in the same way like the above. After your operation, you can press the RUN button or the current Chase button (its flashing LED will go out when you press it) to exit.

### To resume all the chases

Press and hold down the REC button and the "Tap Sync" button at the same time for about 5 seconds while turning on the power(all Scene LEDs flash briefly), that means all the chases have been resumed to their original state.

# Operation Guide

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## FULL ON Setting

### To reset the "FULL ON" function as your desire

- (1) Firstly, you should press and hold down the REC button for about 3 seconds (till its LED lights up) to enter the editing mode.
- (2) Pressing the "FULL ON" button, LED-display will flickeringly show you **FUL**. You can then set a scene by using the channel faders. And then you tap the REC button, all the Scene LEDs will flash briefly, that means your setting has been saved. (The above scene that you have set is just your newly defined "FULL ON" function.)
- (3) User can reset the "FULL ON" function as your desire. And you can also resume the preset FULL ON function in its original definition (really full on in full dim level).

### To resume the original preset "FULL ON" function

- (1) Firstly, you should press and hold down the REC button for about 3 seconds (till its LED lights up) to enter the editing mode.
- (2) Pressing the "FULL ON" button, LED-display will flickeringly show you **FUL**. Then you press and hold down the "Tap Sync" button, and at the same time press the REC button, all Scene LEDs flash briefly, that means the original preset "FULL ON" function has been resumed (all the channel faders' LEDs light up).

## STAND-BY Setting

### To reset the "STAND-BY" function as your desire

- (1) Firstly, you should press and hold down the REC button for about 3 seconds (till its LED lights up) to enter the editing mode.
- (2) Pressing the "STAND-BY" button, LED-display will flickeringly show you **STY**. You can then set a scene by using the channel faders and the Switch buttons. And then you tap the REC button, all the Scene LEDs will flash briefly, that means your setting has been saved. (The above scene that you have set is just your newly defined "STAND-BY" function.)
- (3) User can reset the "STAND-BY" function as your desire. And you can also resume the preset STAND-BY function in its original definition (instantly stop all channels' output when pressing this button).



# Operation Guide

## To resume the original preset "STAND-BY" function

- (1) Firstly, you should press and hold down the REC button for about 3 seconds (till its LED lights up) to enter the editing mode.
- (2) Pressing the "STAND-BY" button, LED-display will flickeringly show you **Stby**. Then you press and hold down the "Tap Sync" button, and at the same time press the REC button, all Scene LEDs flash briefly, that means the original preset "STAND-BY" function has been resumed (all output and LEDs are turned off).

## MIDI channel setting

User can set your desired MIDI channel as below:

- (1) When the unit is **not** in the editing mode, you can then press and hold down the MIDI button for about 3 seconds (till its the MIDI LED lights up) to enter the MIDI channel setting mode.
- (2) The LED-display may show you **Ch01**, that means the current MIDI channel is Ch01. User can then tap the RUN button to adjust the MIDI channel from 01 to 16 circularly as your desire. Pressing and holding down the RUN button can change the MIDI channel quickly.
- (3) After your setting, you press and hold down the MIDI button for about 3 seconds (till its LED goes out), all the Scene LEDs will flash briefly, that means your setting has been saved effectively.

Please note:

- When in MIDI channel setting mode, the MIDI LED will automatically goes out within about 5 seconds if there isn't any operation in this mode. So, to be concerned, if you have set a MIDI channel in this mode but not having saved it in time, your setting will be of no effect.
- The MIDI channel setting has a range of 01~16 in this unit.

MIDI Control Data:

MIDI Note	Controls on Lite-4 Pro	MIDI Note	Controls on Lite-4 Pro
0~3	Flash 1~4	23	Fade To Speed
4~7	Switches 5~8	24	RUN
8	Switch 9	25	ONE/MIX/SEQ
9~20	Scenes/Chases 1~12	26	STAND-BY
21	STEP	27	FULL ON
22	Audio		

# Operation Guide

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## Scene/Chase Running

### ONE/MIX/SEQ chasing mode(s)

You can press the ONE/MIX/SEQ button to select ONE, MIX or SEQ chasing mode to run the chase(s) as your desire.:

- (1) **ONE**: to run the chase singly --- that means you can only run one chase at a time.
- (2) **MIX**: to run the chases intermixably --- that means all chases can be respectively run at the same time.
- (3) **SEQ**: to run the chases sequentially --- that means the chases will run in a sequence that follows your operation. For example, when in the "SEQ" chasing mode, you triggered Chase1, then Chase9, and then Chase 3, these three triggered chases will then run in the sequence as "Chase1 " Chase9 " Chase3".

### Manual/Auto/Auido triggering mode(s)

This unit provides you three available Chase triggering mode:

- (1) **Manual trigger**: You can use the STEP button to run the programmed chase(s) step by step..
- (2) **Auto trigger**: You can press the RUN button to run the programmed chase(s) automatically.

Note:

- In Auto trigger mode, you can use the Speed fader or the "Tap Sync" button to set a chasing speed for the running chase.
  - Press the "Tap Sync" button twice to establish a chasing rate, then the running chase will run its steps in such a chasing rate.
- (3) **Audio trigger**: Chase(s) can be also triggered by the Audio effect from the built-in microphone or from the external connected sound input equipment. The Audio sensitivity level can be adjusted by the Audio Sense fader as your desire.

### Fade To Speed

User can press the "Fade To Speed" button to enable(its LED "on") or disable (its LED "off") the Fade time. Note: If you set a running chase with a fade time, the fade time is just the stepping interval that you set by the Speed fader / Tap Sync button. For example, if you set the Speed level/chasing rate as 0.35 second (per step), that means the current fade time is 0.35 second.

# Notice Information

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## Maintenance

- Turn off the power before any cleaning.
- Keep the unit dry, do not spill water or other liquids into or onto it.
- There are no user serviceable parts inside, do not dismantle the unit.
- If your unit fails to work or is somehow damaged, please do not attempt to repair it by yourself. Repairs must be done by qualified personnel.

## Troubleshooting

- "✓ If the unit doesn't work at all - check the power supply is connected well, or check the power switch is turned on.
- "✓ If there is no any channel output when you adjust the channel faders, check the Master fader is not in the zero level.
- "✓ If you press the FULL ON button, the channel outputs are not all in their full dim value, that is because the FULL ON function was reset. User can resume the original preset FULL ON function for your application.
- "✓ If you press the STAND-BY button, the channel outputs are not all instantly stopped, that is because the STAND-BY function was reset. User can resume the original preset STAND-BY function for your application.
- "✓ If the running chase(s) doesn't affected at all by the audio signal, make sure the AUDIO button was triggered beforehand.
- "✓ If you want to run a chase automatically but it doesn't work, check the RUN button was triggered, or check the Chasing Speed is not too slow.
- "✓ If you still have some problem that could not solute by yourself, contact your local dealer for help.

# Technical Specifications

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Power Input .....	DC9~15V, 500mA
Internal Fuse.....	500mA 250V, 5x20mm
MIDI IN.....	5Pin MIDI connector
DMX OUT.....	5Pin/3Pin(female) DMX connector
SOUND INPUT.....	RCA connector
EXT STEP CONTROL.....	DB-9 connector
Dimensions .....	483x135x82mm
Weight(approx.) .....	2.2 kg

