LCPRO Show.Cube C6 Compact Powerful and Battery Powered LED Floor Light User Manual

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Contents

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User manual V. 1.1
Please read the instructions carefully before use
Statement
FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE POWERING OR INSTALLING
This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.
The manufacturer will not accept liability for any resulting damages caused by the nonobservance of this manual or any unauthorized modification to the device.
Please consider that damages caused by manual modifications to the device are not subject to warranty.
Please read the instructions carefully, which contains important information about assembly, operation and maintenance.

Safety Instructions

⚠️**Attention**

- This fixture was designed for indoor use only, do not expose this unit to rain or use near water.
- Not allowed the circular board stacked, please take it gently to avoid the deformation of the circular board, components damage, pad off or other bad situations.
- Power input range 12-36V, The input would be different as different light board. Pls consult while using in order to avoid the unnecessary economic losses caused by the burn out of board or lamp as the improper usage of power. Positive and negative power cannot be reversed.
- Take the edge of PCB board while assembly instead of the component central, to avoid the pad off or damage caused by the force.
- All terminals should be connected in the correct way according to process requirements, pay attention to the direction and polarity.
- Try not to operate while charging or plug the cable, to avoid short circuits or damage to components.
- Try to be antistatic.

- It is not within the scope of return if customer operation errors or other man-made burnout defect, maintenance costs are charged for the corresponding components.

Caution

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Technical specifications

Source
Light source: 4PCS 12W RGBWA+UV High Power 6in1 LEDs
Power
Input voltage range: 100–240V, 50~60Hz
Max power consumption: 50W
Battery: Li-Ion 12V 11,2Ah
Power Socket: Powercon in/out compatibel
DMX Data In/Out socket: 3-pin XLR sockets
OPTICAL SYSTEM
Beam angle: 20°
Features
Achieve smooth LED fading with built-in dimming curves
Color macros: 32 colors optional
Control: DMX512, Master/slave are available with signal cable or 2.4G Wireless control
Mobile WiFi Operation control: support Android 2.3/App iOS 4.3 above version (this function suitable for WiFi main board)
Mobile APP Name: LED LAMP
Static color selection (6 colors, dimming value 0-255) + strobe function (speed adjustable 0-20)
Sound control: three sound control model (jump, gradient +jump, strobe) + voice control sensitivity (0-100), can be set by menu or on remote.
Color function
automatic color jump/gradient /mutation function (adjustable speed 1-20)
Strobe
strobe with red background/green background/ blue strobe /amber background
(speed adjustable 0-20)
Electronic switch
2.4G wireless: can turn on/off the 2.4G wireless power supply through the menu, or check through the upper left corner of the interface icon.
WiFi module: turn on/off the WiFi module power through the menu, or check through the upper left corner of the interface icon appears.
System setting
White Balance: appropriate adjustment for the brightness of RGBW+UV 6 colors
Show battery icon: can turn on/off the icon from the upper right corner of the screen through the menu, set to be off as the product without battery.
Display sleep: can be set to normally open or 5/ 10/ 15 seconds after the automatic turn off backlight of the display.
Infrared settings/Auto Lock: can be set on/off through the menu, check the icon whether show on display to know whether it is turn on or turn off.
Effect
Color mixing
Premixed RGBW color mixing
Dimming
16 Bit Smooth dimming, 20K HZ refresh rate
Control
Operating Modes: Wireless DMX, IRC, Auto/Sound Active
DMX Channel: 6/10CH Control Options
Dimension & Weight
Dimension: 250*250*245mm

Weight: 5.0 KG

Menu structure

Menu	Mode	Function	Parameter
"Choose Pattern"	"Static"	(Color)	(Dimming)
		RED	0-255
		GREEN	0-255
		BLUE	0-255
		WHITE	0-255
		AMBER	0-255
		PURPLE	0-255
		STROBE	0-20
		ERASE	ALL ZERO
	"Macro"	1-32	
			(Speed)
	"Show"	"AUTO"	0-20
		"FADE"	0-20
		"SNAP"	0-20

		"R-STRO"	0-20
		"G-STRO"	0-20
		"B-STRO"	0-20
		"A-STRO"	0-20
	"Sound"	"SOUND1"	0-100
		"SOUND2"	0-100
		"SOUND3"	0-100
		(Options)	
"User Settings"	"Channel"	006/010	
	"DMX512"	(Addressed)	
		001-512	
	"Follow"	W-DMX RCVD	
		DMX512 RCVD	
		Syn Transmits	
	"WiFi"	(Mode)	
		WiFi Icon	

		(Color)	(Brightness)
"System Settings"	"1. white Balance"	RED	127-255
		GREEN	127-255
		BLUE	127-255
		WHITE	127-255
		AMBER	127-255
		UV	127-255
	"2. Show Battery Icon"	YES/NO	
	"3. Display Sleep"	Open/5 Sec/10 Sec/15 Sec	
	"4. Auto lock"	YES/NO	
	"6. Infrared Setting"	ON/OFF	
	"7. Wireless Setting"	ON/OFF (G3/G4 compatible)	
	"8. Factory Reset"	Password [▲▼▲▼]	

"Information"	"1. Wifi"	http://url.szszjkj.com/79810915950	
	"2. VER"	Software:	V2.28.H2
		Hardware:	V2.0UC-103
	"3. Serial Number"	1220XXX	

3.1 Control interface

1. 1.8-inch FTF display: show menu functions and parameters;
2. Key definition

MENU	Main Menu Function Select/Exit Sub menu
▲UP	Select Previous Menu/Parameter Increase by degrees
▼DOWN	Choose the next menu/parameter decrease by degrees
ENTER	Confirm the selected function/Enter the next menu

3.2 Method of operation

To select a preset function, press the MENU button to enter the main menu. The display will show the corresponding menu function. When the MENU button is pressed again, the next menu function will be selected. Such as repeatedly press the MENU button will continue to select each menu function, in the main menu mode or

use the UP/DOWN also can be the main menu of choice, the choice is completed, press the ENTER button to determine or enter the next menu Features. If you are setting the system parameters, press the ENTER button will automatically return to the previous menu function status. The system parameters are automatically saved without pressing the Enter key.

Choose Pattern

Select "Choose Pattern", press the ENTER button to confirm, the display will show the corresponding function menu. Such as static color, macro color mixing, performance mode, voice mode. Use the UP / DOWN buttons to select between functions. If you press the ENTER button, the display will go to the next menu item, and press the Menu button to exit to the previous menu mode. After selecting the parameters will be automatically saved.

User Settings

Select "User Settings", press the ENTER button to confirm, the display will enter the channel option, use the UP / DOWN button to select "6Ch" (6 channel mode), "10Ch" (10CH channel mode) , Press the ENTER button again, the menu will automatically jump to the "DMX512" address setting mode, use the UP / DOWN button to adjust the desired address code between 1 and 512, the parameters will be automatically saved. When the DMX512 signal is received, "Connection" prompt will appear on the interface. If the DMX512 signal is disconnected, the interface will display "Disconnect". If you press ENTER or MENU, the display will exit to the previous menu mode.

Slave mode

Select "Slave" and press the ENTER button to confirm, "OK!" Will be displayed. It indicates that it has entered the receiving mode of the slave. After selecting, the parameters will be saved automatically. When the master signal is received, the interface will display "Connection" prompt. If the master signal is disconnected, the interface will prompt "Disconnect" Or MENU button, the display will exit to the previous menu mode.

System Settings mode

Select "System Settings", press the ENTER button to enter the next menu, use the UP/DOWN buttons to select a different setting between each set function, press the ENTER or MENU button, the display will exit to the previous one Level menu mode.

DMX512 Console Control mode

In the "User Settings" interface, press the ENTER button to confirm. "Channel" is displayed on the screen. Select "6Ch" (6-channel mode) or "10Ch" (10CH channel mode) using the UP / DOWN buttons and press the ENTER button to automatically jump to the "DMX512" Code setting), use UP / DOWN button, you can adjust the desired address code from 1 to 512, then you can receive DMX512 console control signal.

If you want to use this function, please refer to the following diagram to set the DMX512 address of the first 4 lamps:

6CH mode: 1: A001,2: A007,3: A013,4: A019

10CH mode: 1: A001,2: A011,3: A021,4: A031

In DMX512 console mode, if you need all fixtures to perform the same action in non programming mode, you can set it as follows step:

Firstly, connect the first fixture to the console through the DMX cable as the Master, and set "Follow Setting" to "Syn Transmits" in "System Settings".

Then other lamps receive the signal by wireless, you need to select the "W-DMX RCVD", at this time, the slave lamps doesn't matter with the DMX address number, no matter what the DMX address number is, it does not affect the signal Receive, you can also get permanent synchronization with the master's performance without delay.

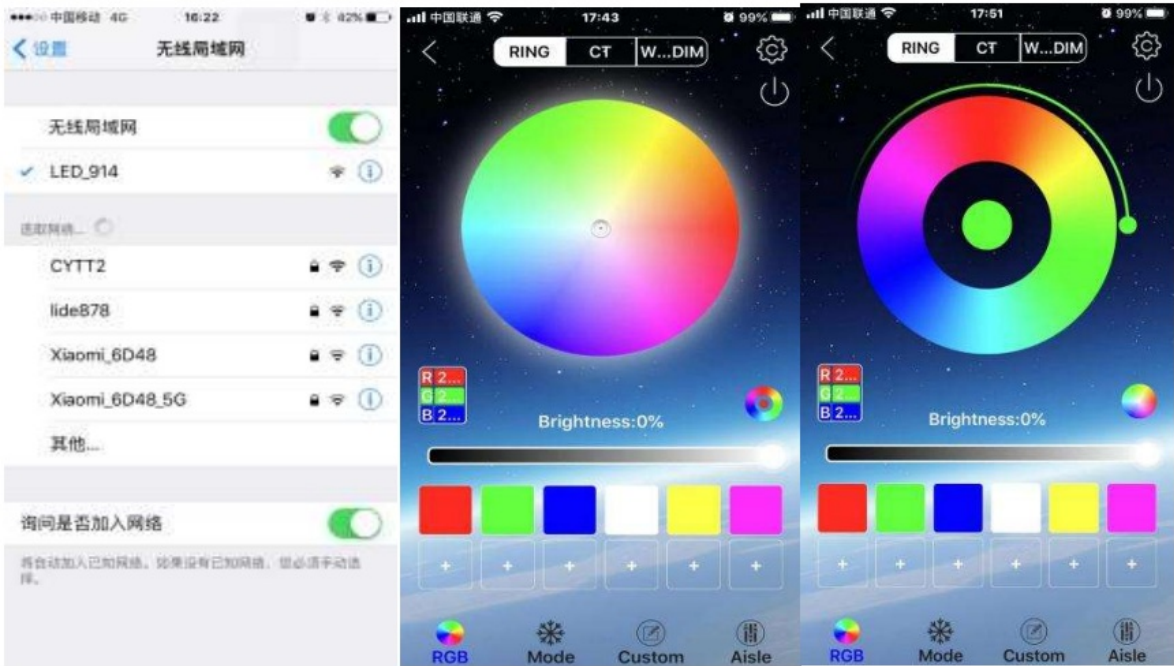**4.1 The Master/Slave control program setting**

When connecting multiple fixtures with Master/Slave mode, select "Slave" for the other fixtures except for the first fixtures and press "ENTER" button to confirm, "OK!" Will be displayed. It indicates that it has entered the receiving mode of the slave. After the selection, the parameters will be saved automatically. When the master signal is received, the interface will display "Connection" prompt. If the DMX512 signal is disconnected, the interface will prompt "Disconnect" Or MENU button, the display will exit to the previous menu mode. The first lamp used as the host, you can choose all the performance modes, vice host by the host synchronization control perform the same action.

WIFI Operation mode

Download APP "LED LAMP" on APP Store:

In the "User Settings" interface, press the ENTER button, use the UP/DOWN button to select "WiFi" (WIFI mode),

press the ENTER button, there will be a WiFi icon that WiFi module is turned on, then you can set by phone For connection control. Open the phone settings feature to find wireless and network WLAN items, connect LED_xxx name device, as shown:

When the connection is successful, open the LED LAMP application software, and the color circle control interface will appear, and the corresponding mode operation can be carried out at this time.

DMX512 Channel table

6CH Mode

Channel	Value	Function
1	0~255	Red dimmer
2	0~255	Green dimmer
3	0~255	Blue dimmer
4	0~255	White dimmer
5	0~255	Amber dimmer
6	0~255	UV dimmer

10CH Mode

Channel	Value	Function
1	0~255	Total dimmer for CH9 (0~9)
2	0~9	Strobe off
	10~255	Strobe 10 lowest 255 fastest
3	0~255	Red the max depend on total dimmer
4	0~255	Green the max depend on total dimmer
5	0~255	Blue the max depend on total dimmer
6	0~255	White the max depend on total dimmer
7	0~255	Amber the max depend on total dimmer
8	0~255	UV the max depend on total dimmer
9	0~9	Dimmer mode
	10~29	Color choose CH10
	30~49	Jump variable effect CH10 control the speed
	50~69	gradual variable effect CH10 control the speed
	70~89	mutation effect: CH10 control the speed
	90-109	Red + strobe: CH10 control the speed
	110-129	Green + strobe: CH10 control the speed
	130-149	Blue + strobe: CH10 control the speed
	150-169	Amber + strobe: CH10 control the speed
	170-189	UV + strobe: CH10 control the speed
	190~209	Sounds control the jump variable effect

	210~229	Sounds control the jump variable effect + gradual variable effect
	230~255	Sounds control the strobe
10	0~255	This channel's function are depending on the value of CH9: When the value is 10~29 then the function is colors choose. When the value is 30~189 then the function is speed control: 0 is the lowest,2 55 is the fastest.

Environmental Protection Germany

The LC Handel GmbH always strives to reduce the burden of packaging reduce minimum. The use of environmentally friendly and recyclable Materials is of fundamental importance to us. Please guide the packaging components to the appropriate recycling after use.
Disposal of packaging:
Ensure that paper packaging, plastic material, etc. are stored separately corresponding recycling. Note the appropriate Disposal instructions on the packaging.
Disposal of batteries: Batteries do not belong in the trash! Please carry batteries to the collection points or

disposal stations corresponding to the official requirements.

Disposal of your old device: Do not dispose of the device with household waste! this device is subject to the WEEE Directive (Waste Electrical and Electronic Equipment) in its respective version currently valid version. The device is disposed of by an approved waste disposal company or your local waste disposal facility. The ones in yours Country-specific regulations must be observed!

Important safety instructions!

Read carefully before connecting!

DANGER! (Electric shock due to high voltages in the device)

The housing must not be removed! There are no serviceable parts in the device. Inside the device there are components that are subject to high electrical stand tension.

Check the device for damage or absence before each use components, protective devices or housing parts. Should appropriate notice, the device must not be used!

Leave maintenance and repair work to a qualified service workshop or contact your dealer. In the event of a device malfunction operation must also be stopped immediately until the device has been repaired by a specialist has been repaired!

DANGER! (Electric shock due to short circuit)

Modifications to the power cord or power plug are prohibited. In case of If the mains cable is damaged, it must be replaced immediately with an original spare part of the manufacturer can be replaced. Failure to do so may result in fire or Danger to life from an electric shock!

DANGER! (For babies and children)

Dispose of or store any packaging material properly!

Packing material is out of reach due to suffocation hazard kept away from babies and children.

Make sure that children never use the device unsupervised!

Also make sure that children do not take any (small) parts from the device removed, as you could suffocate if you swallow parts!

WARNING! (High light intensity – eye injuries) A direct look into the Light sources must be avoided!

WARNING! (Epilepsy) Stroboscopic effects (flashes of light) may occur in some people trigger seizures of epilepsy. Correspondingly sensitive people must be warned and should not be in the vicinity of such devices.

A notice! (Risk of fire due to overheating)

The maximum permissible ambient temperature of this device is 40°C. Place Be sure to place the device in a location with adequate ventilation out of reach of direct heat sources, open flames and flammable materials and liquids. A minimum distance of 1 m is here absolutely necessary.

The ventilation slots of the device must not be taped over, nor must the device be covered.

A notice! (operating conditions)

Due to the structural properties, the device is for indoor use (IP20) designed. Never expose the device to rain, moisture or liquids, as this can lead to damage.

Vibrations, dust or sunlight can also lead to damage, avoid these! A notice! (Power supply) Be sure to check the Correspondence of the device voltage with your local mains voltage. The Protecting your mains socket with a residual current circuit breaker (FI). definitely recommended.

If you do not use your device for a long time or carry out maintenance work, disconnect the device from the mains to minimize danger. The same applies to Severe weather conditions such as thunderstorms, flooding, etc.

A notice! (fault in data transmission)

Never connect the DMX input or output to someone else's signal paths (e.g. audio)! DMX cables enable trouble-free operation and the highest possible transmission reliability of signal data. Don't use any microphone cable!

A notice! (Condensation)

To avoid condensation inside the device, the device should be cleaned before use adjust to the ambient temperature.

A notice! (unwanted odors)

A new product can sometimes lead to undesirable odors. This Reaction is normal and disappears after a few minutes.

Symbols on the device and packaging:

The lightning bolt symbol warns the user of non-insulated voltage and the risk of electric shock.

The exclamation mark symbol draws the user's attention to important maintenance and operating instructions in the operating instructions.

⌂**For interior use only**

This symbol defines the minimum distance of the object to be illuminated.

📖**Read the user manual**

Please read the warnings and recommendations carefully and follow them to ensure safe and smooth use.

Installation:

Be sure to check the device for damage before use.

Use the original packaging or a suitable transport or Storage packaging to protect the product from the elements when not in use such as dust, moisture etc. The device can optionally be standing or installed hanging. The attachment is always on one solid support approved for this purpose or a corresponding surface to do. Please note the load limit of the selected

Installation position (e.g. with tripods). To attach the device is the to use the opening of the product bracket. Always make a second

Independent securing of the device, e.g. with a safety rope.

Work on the device (e.g. assembly) should always be carried out from a stable and permitted platform. Make sure the area below you is locked.

WARNING! (Risk of injury from falling)

Improper installation can cause serious injury and damage cause! The installation of the device should always be carried out by experienced people Persons must be carried out in compliance with the mechanical and electrical safety in your country.

Please note that the use of this device on a dimmer is not possible is possible!

Safety instructions LI-ION battery

The lithium-ion battery (Li-Ion) integrated in this device is characterized characterized by its robustness and longevity. Nevertheless, it applies to the battery be treated correctly in order to ensure a long and trouble-free service life guarantee. Incorrect treatment can lead to loss of performance and Defects and, in extreme cases, smoke, fire and even lead to an explosion.

Therefore, please note the following points carefully:

Fully charge the Li-Ion battery before each use. Don't avoid necessary loading processes. Each charge/discharge process reduces the battery capacity. Charge the Li-Ion battery before storing it complete. Charge the Li-Ion battery at least every 6-8 weeks, too when you are not using the device. Charge the Li-Ion battery exclusively with the integrated charger. Deep discharged Li-Ion batteries are defective and can only be replaced by original Li-Ion batteries be replaced. To do this, contact support! Store the Li-Ion Battery at room temperature if possible – storage under too high or too low temperatures reduces the capacity of the Li-Ion battery. put Never subject the Li-Ion battery to mechanical shocks or external mechanical influences. Never bring the Li-Ion battery with liquids of any kind. Never expose the Li-ion battery to fire or open flames. The Li-Ion battery is not a toy for children and must not be used therefore out of their hands. If you have any problems, contact us the Li-Ion battery only to a person authorized by the manufacturer service partner. Use if the Li-Ion battery is defective Only original spare parts that you can get from the manufacturer authorized service partner. Should you replace the battery once have to be replaced, it is essential to secure the connections short circuit. A short circuit allows high currents to flow, resulting in out gassing or even cause an explosion. Failure to comply with the above Points will automatically void the warranty! Should it despite Considering all points, there is still a problem with the Li-Ion battery come, please note the following information. None of the used materials is hazardous to health according to OSHA Standard 29 CFR 1910 – nevertheless, the following points should be strictly observed: Inhalation of Fumes (out gassing) Leave the room immediately and fresh air supply – consult a doctor immediately! absorption of liquids (Leak) Immediately induce vomiting – get medical attention immediately visit! Skin contact with liquids (leakage) Immediately deal with Wash in lukewarm water for at least 30 minutes – if necessary a doctor visit – Wash affected clothing before using it again! Eye contact with liquids (leakage) Promptly with plenty of lukewarm Wash with water for at least 30 minutes – including the eyelids a – involve and take care that the uninvolved eye does not make contact to the contaminated water – contact a doctor immediately!

Operation is designed exclusively for battery operation. Please operate Do not connect the device to the local power grid. Avoid using over Direct connection to the AC power grid as this can damage the battery. The Permanent use via direct connection to the AC power grid is not allowed. Please use the Show.LED C6 WIRED (model without Battery pack)

IR Remote

If you want to use IR remote control are following things to note:

1. In the "System Setting" menu, go to item "6. IR Setting" and set IR Mode to YES.
2. Make sure all other operating modes are disabled.
3. Now press the "Quick Color" button near the device. Hold IR Remote control towards the IR receiver, which is
   on located on the front of the device. The remote control is now active!

Information:
When the device receives another signal (W-DMX/DMX/WiFi) the IR Interface automatically deactivated and may react not! Separate everyone external signals to be able to work with the IR remote control.
Should you only use the "SET DMX" or "QUICK SHOW" mode please press the "Quick Color" button first to connect the device to the Pair IR remote control. The power button on the top left of the remote Remote control switches the Show.LED C6 to standby mode or reactivates the output of the lamp. The button does not switch the lamp completely off or on. Use this function before the start of the event, to save battery capacity. With the IR remote control stand three modes to choose from.
Under Quick Color you can see the values for each LED chip R,G,B,W,A,UV freely given. For example, press "QUICK COLOR" followed by the Button "R" followed by button "DIM" (up or down). The intensity of red LEDs is now dimmed up or down. This function can be do as you like with all colors. With the keys 0 to 9 you can set call defined macro colors. The output of the color defined by this is always 100% here.
With Quick DMX you can quickly and easily change the DMX address of your Adjust or preset Show.Cube C6. To do this, proceed as follows:
Press the "QUICK DMX" button followed by three numbers e.g. "0"- "0"- "1" to assign the DMX address 1. ("0"-"2"-"5" for address 25 etc.) 3. Don't forget to click the "Quick Color" button first activate the remote control.
This mode reproduces the functions of the "Show Mode" from the device 1:1. Please familiarize yourself with the functions on the device via the display in advance trusted. You can find this function in the menu under "Choose Pattern" in the Sub-item "Show". The individual functions of the show mode can be chronologically via the remote control via the command:
"SHOW MODE" followed by "1" through "8" for each function. To the To change the value of a function use the keys: < or >
Example:
In show mode we want to use the second function (second line = FADE
function) by 4 steps. Press the key combination:
1 to 8 SHOW MODE 2 >> >
Repeat this process for all functions.

Have fun with your Show.Cube C6!

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Documents / Resources

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References

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