



SMART DRIVER



SDC-200

User Manual

Please read the instructions carefully before use

1.Safety Introductions

Please read the User Manual carefully as it includes important information regarding details of operation, maintenance and technical data. Keep this manual with unit for future consultation.

WARNING !

- Avoiding any flammable liquids, water or metal objects enter into the unit.
- If any liquid spill on the unit, disconnect the power supply immediately.
- When serious operation problem happen, stop using the unit immediately and contact your local dealer for service.
- Do not open the unit because there are no user serviceable parts inside.
- Never try to repair the unit yourself. Repairs by unqualified people could cause damage or faulty operation. Please contact your nearest dealer for any service.

CAUTION !

- After removed the package, make sure the unit is not damaged in any way. Don't use it with doubt and contact an authorized dealer.
- Never use the unit under the excessive humidity and a temperature over 40°C.
- Do not try to dismantle or modify the unit.
- Set up the right current before connecting to the luminaries

2. Features:

- 4CH constant current output. Each output can be adjusted from 200mA to 1000mA
- Various input controlling protocol: 0-10v, DMX, DALI.

User can setup SDC-200 to Manual Mode, various channel modes(RGB/RGBD,RGBW/RGBWD,D(4CH),WWWW,CW+WW,CT+D)

- Each output is able to setup individually on current output and controlling mode
- Brightness can be adjusted for each output
- Password lock to prevent accident change to current output
- Can adjust the white balance

Note: please set the right current before connecting to the luminaries, avoiding high current to burn down your luminaries.

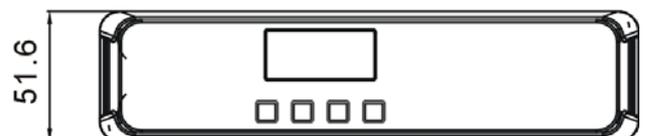
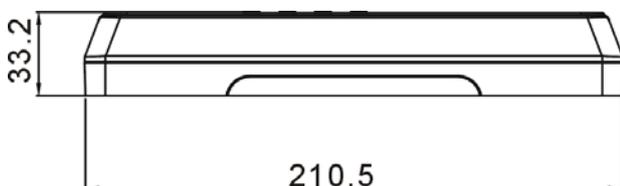
3. Specifications:

Input Voltage: DC12V-48V

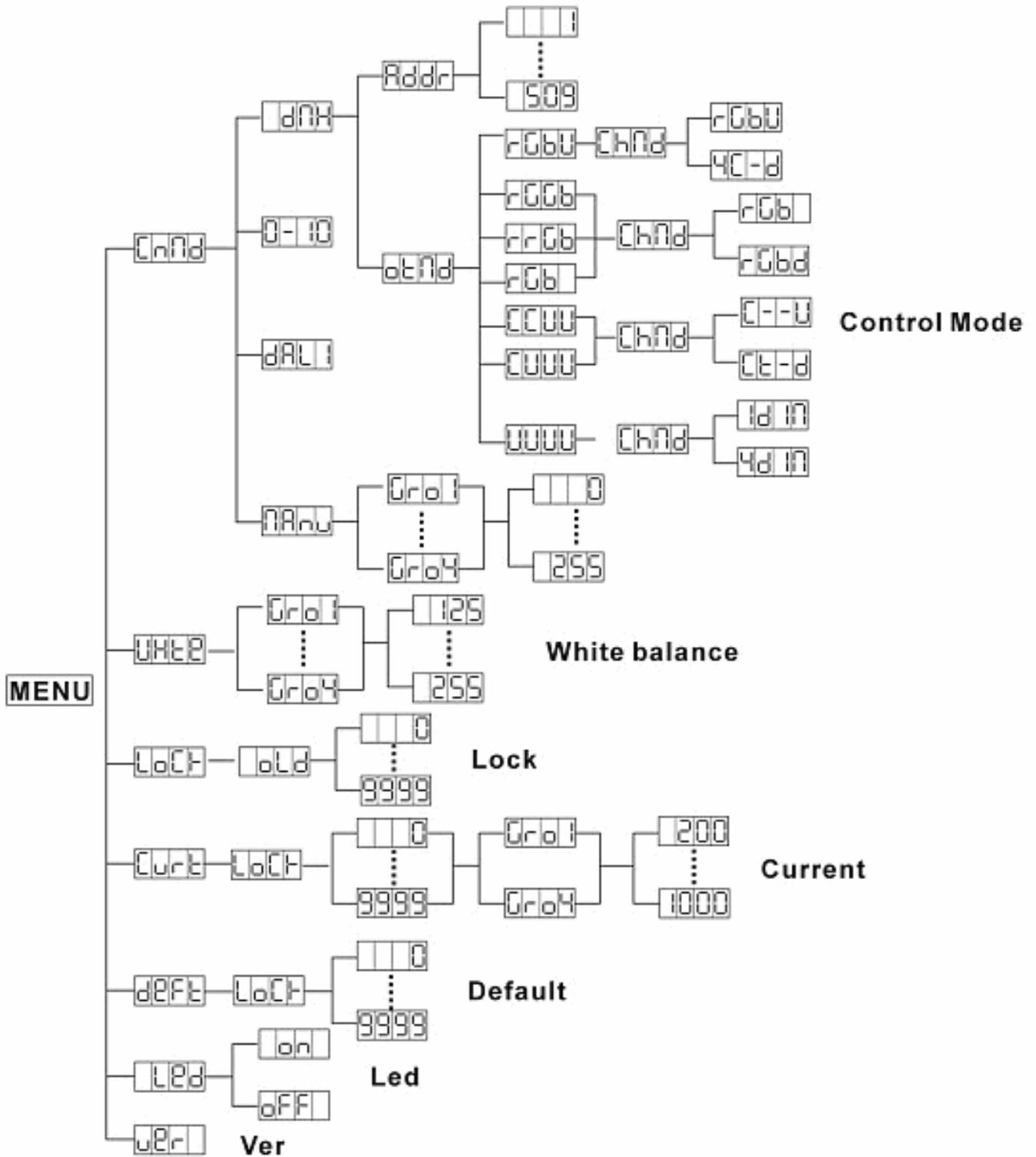
Power consumption: 200W (each channel MAX.48W)

Dimension: 210.5X51.6X33.2mm

Weight: 0.235kg



4. Main Functions



CnMd (Control Mode Under this menu you can choose four operation mode: **MANUAL MODE, DMX MODE, DALI CONTROL MODE, 0/1-10V**)

Press the **MENU** button up to when the **CnMd** is showing on the display. Pressing “” button and the display will blink. Use “▲” and “▼” button to select **Manu** (manual control mode), **dMx** (DMX control mode), **0-10**(0-10V control mode), **dALI**(Dali control mode).

Manu (Manual control mode: In this mode you can adjust the brightness for the four groups of the luminaries.)

Pressing “” button enter, use “▲” and “▼” button to select **Gr01**(group 1), **Gr02**(group 2), **Gr03**(group 3), **Gr04**(group 4), once the mode has been selected, Pressing “” button enter, use “▲” and “▼” button to adjust the valve 0-255. Press the “” button to setup. Or automatically exit menu mode without any change after 60 seconds. To go back to the functions without any change press the **MENU** button

dMx (DMX control mode: In this mode you can set address and channel mode)

Pressing “” button enter, use “▲” and “▼” button to select **addr**(DMX address) or **otnd**, once the **addr** has been selected, pressing “” button enter ,use “▲” and “▼” button to adjust the valve 0-509. once the **otnd** has been selected ,Press the “” button to enter, Use “▲” and “▼” button to select **rGBU** ((RGBW), **UUUU** (WWWW), **cUUU** (CWWW), **ccUU** (CCWW), **rGb** (RGB), **rrGb** (RRGB)

r00b (RGGB), once select , Press the “” button to setup. Or automatically exit menu mode without any change after 60 seconds. To go back to the functions without any change press the **MENU** button.

OUTPUT MODE		CHANNEL MODE	Channels
RGB/RRGB/RGGB	→	RGB(r0b)	3CH
		RGBD(r0bd)	4CH
		RGBW (r0b0)	4CH
RGBW	→	4C+D (4c-d)	5CH
		C+W(c--0)	2CH
CWWW/CCWW	→	CT+D (ct-d)	2CH
		Dimmer(1d10)	1CH
WWWW	→	4D(4d10)	4CH

d2fE (default: In this function you can factory reset the driver.)

Press the **MENU** button up to when the **d2fE** is showing on the display.

Pressing “” to enter, and the **LoCF** will show on the display. Pressing “” to

enter, use “” and “” button to adjust the value **0000**...or **9999** to

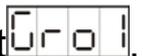
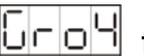
set the code. Once the code is set, press the “

 (Current: in this mode you can set the current for each channel from 200mA to 1000mA (in unit 10 mA)

Press the **MENU** button up to when the  is showing on the display.

Press “ will show on the display. Press “

enter ,use “▲” and “▼” button to adjust the value ...or  to

set the code. Press “...or  to adjust the value

of current. Once the mode has been selected, press the “

For example:



Use SDC-200 connect to four DL-16, each DL-16 unit the current is 600mA,
6B

when the **curt** is showing on the display. Press “

Note: If the SDC-200 connected to the other unit, the current is different. You can use the “▲” and “▼” button to change the value of the current.

(Lock: in this mode you can set the code)

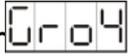
Press the **MENU** button up to when the **Loct** is showing on the display.

Pressing “

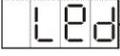
Note: when unlocking the SDC-200, the code is 111, you can also reset the code according to your requirement.

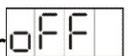
(White balance: In this mode you can adjust the brightness)

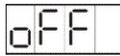
Press the **MENU** button up to when the **Whet** is shown on the display.

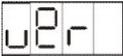
Pressing “” button, and Use “▲”and“▼” button to select ...or , press “” button to confirm and use “▲”and“▼” button to adjust the value between 125 and 255, once select , press “” button to setup or automatically exit menu mode without any change after 60 seconds. To go back to the last function without any change press the **MENU** button.

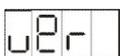
 (**ON/OFF the LED display according to your real requirement**)

Press the **MENU** button up to when the  is shown on the display.

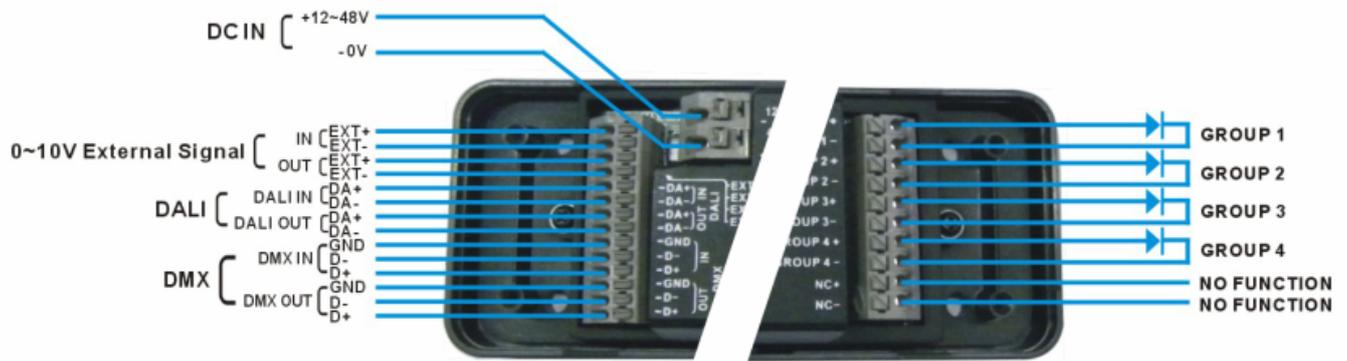
Pressing “” button, and Use“▲”and“▼” button to select ...or ,

press “” button to confirm. When  is select, the Led display will light up all the time, when  is selected, the Led display will be off after 60 seconds.To go back to the last function press the **MENU** button.

 (**Version: show you the firmware version of the driver**)

Press the **MENU** button up to when the  is shown on the display.

Pressing “” button, the firmware version will be showed on the Led display. E.g. V00,means version 00.



5. Update Software

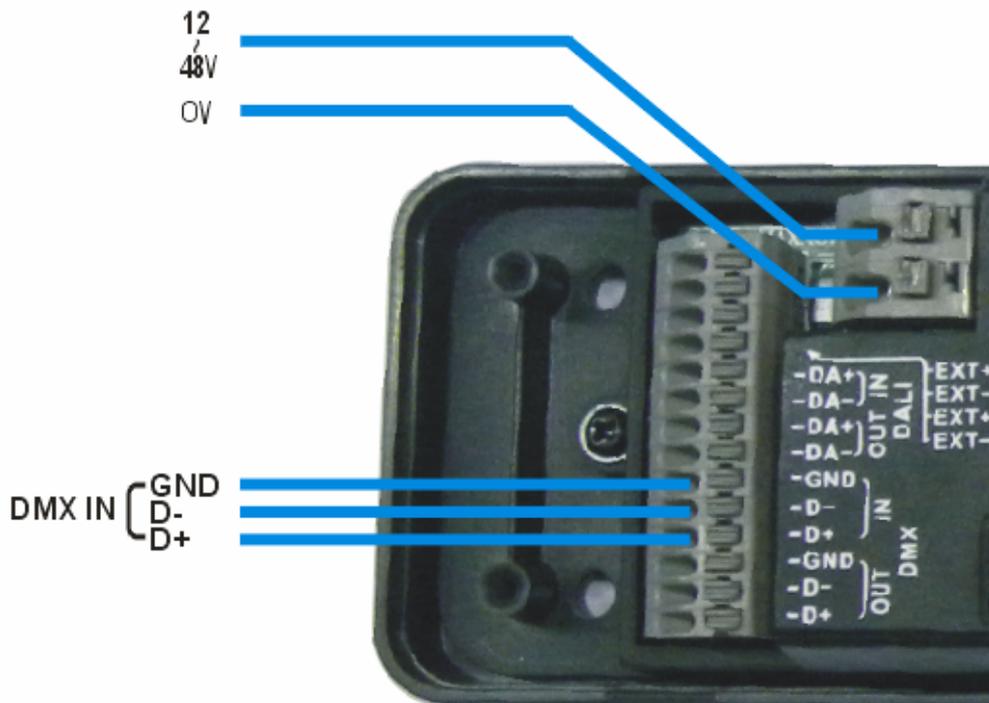
Download update file from our website; follow the user manual of VD-01 to update the fixture via VD-01(not included).

Note: When you open the unit, the display will show **Load**, when you

update the software, the **Update** will show on the display, and the LED indicate will blink.

You can refer to the steps as below:

① Connection:



In the diagram, connect DMX IN: DA+, DA-, GND

Note: 1) The upgrading wires should be connected without error!
 2) Please connect VD-01 to your PC and smart drive properly!

② Operation: All the related operation is executed on your PC.

- A、 Power up the smart drive at your hand, the led display will show “load”.
- B、 Then click Firmware Upgrade on the upgrade window , then you will see a new upgrade window on your PC. At this step, please check the Green LED indicator on VD-01, the LED indicator should be blinking at the moment, if it is not blinking then the upgrade will be failed. **PLEASE NOTE THIS.**
- C、 Then single click Upgrade order, you will see the speed engine is running. At this step, please check the Blue LED display on smart drive and Green LED indicator on VD-01, when upgrading is going, both LED indicators and display are blinking, if each of them is not blinking then the upgrade will be failed. **PLEASE NOTE THIS.**
- D、 After finishing the upgrade process, you will see the firmware upgrade finish window,
- E. Exit the upgrade window, please reboot your smart drive to check out whether they are upgraded successfully.



[Http://www.visio-led.com](http://www.visio-led.com)

Specifications are subject to change without prior notice.