Manual for SMART LED Driver DC12V/24V
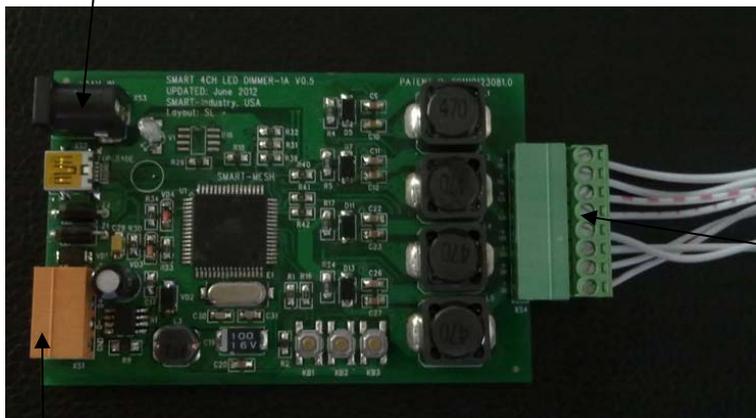
Version: V1.3

Date: Nov 6, 2012

SMART GROUP

1. Connection for SMART LED Driver

A. Power Supply DC12/24V

B.S-BUS connection (DC24+, D+, D-, GND)

C. RGBW 4CHs LED strip

Voltage of LED Strip required:
it depends on the power supply that you are using.

This LED driver can support DC 12V or DC24V power supply both.

If power supply for LED Driver you are using is DC12V, here you should connect DC12 LED strip,

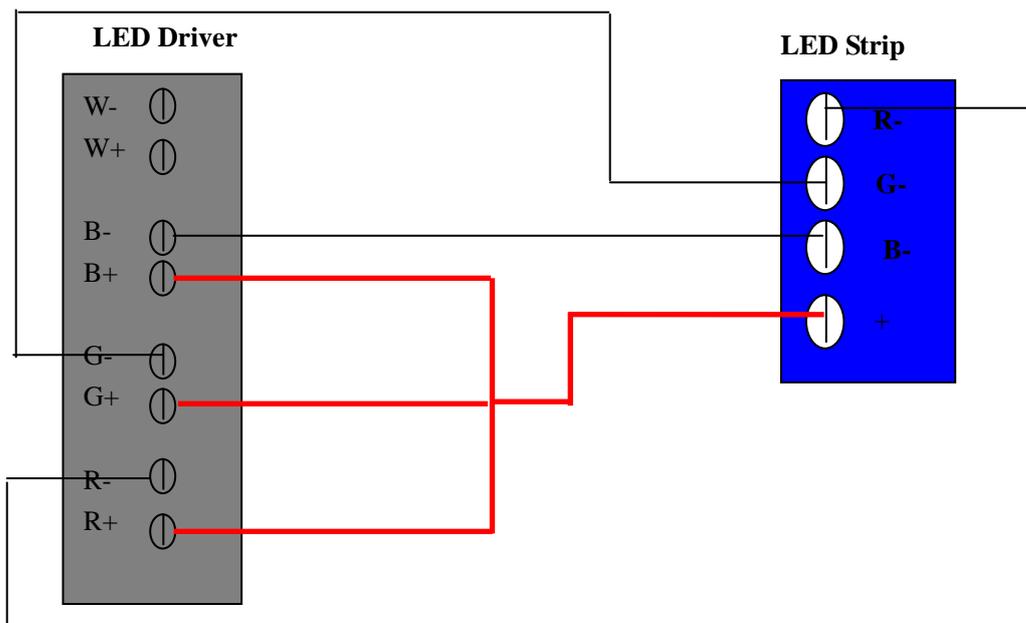If power supply for LED driver you are using is DC24V, here you should connect DC 24V LED strip.

Don't connect the LED strip with wrong voltage,
Otherwise the LED strip might be burnt.

LED Strip

MAX Current of each LED Strip: 350mA (it can not more than 350mA)
Max LED Strips: 4 PCS

1.1 Connection for single CH LED

LED Driver

LED

W-	W-
W+	W+
B-	B-
B+	B+
G-	G-
G+	G+
R-	R-
R+	R+
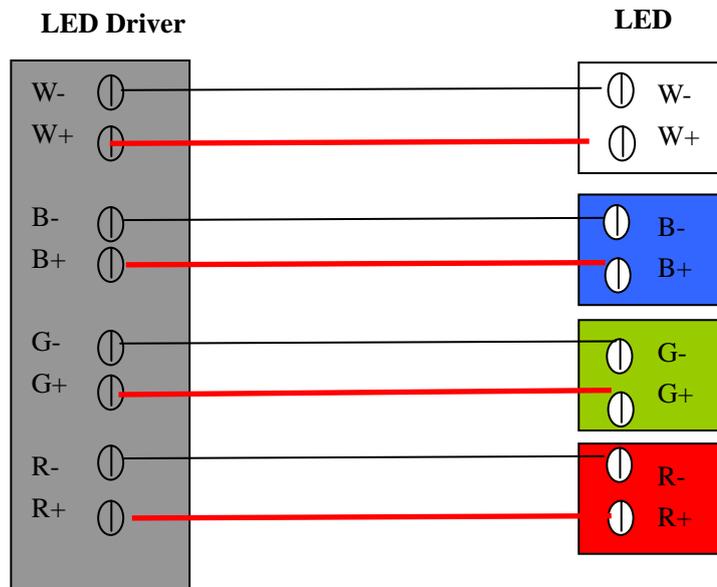
1.2 Connection for common anode RGB LED Strip

LED Driver

LED Strip

W-	R-
W+	G-
B-	B-
B+	+
G-	
G+	
R-	
R+	

2. Software Programming

Smart Cloud configuration software is available from the link below:
http://www.4shared.com/folder/vDYQVvVx/Smart_Cloud_Software.html

2.1 Address

if you would like to know the address of LED driver, you can use Smart Cloud software.

Go to **Address Management** on smart Cloud software, then press button **scan**.

2.2 Console: DDP, 6B
2.3 Command Type: Single Channel Control
2.4 Channel

CH# of red: 49

CH# of Green: 50

CH# of Blue: 51

CH# of White: 52

2.5 Brightness: 0 - 100

Here is the picture for DDP Settings Page:

Current button	4	Mode	Single on/off

Button information

Button no.	Remark	Mode
1	Red led channel	Single on/off
2	Green led channel	Single on/off
3	Blue led channel	Single on/off
4	White led channel	Single on/off

Input function no. from [1] To [1] ✔ Confirm

Function configuration of current button

Function no.	Subnet ID	Device ID	Type	Parameter 1	Parameter 2	Paramet
1	1	25	Single channel lighting contro	52(Channel no.)	100(Intensity %)	0:0(Run

3. 3 buttons on PCB

KB3, KB2, KB1
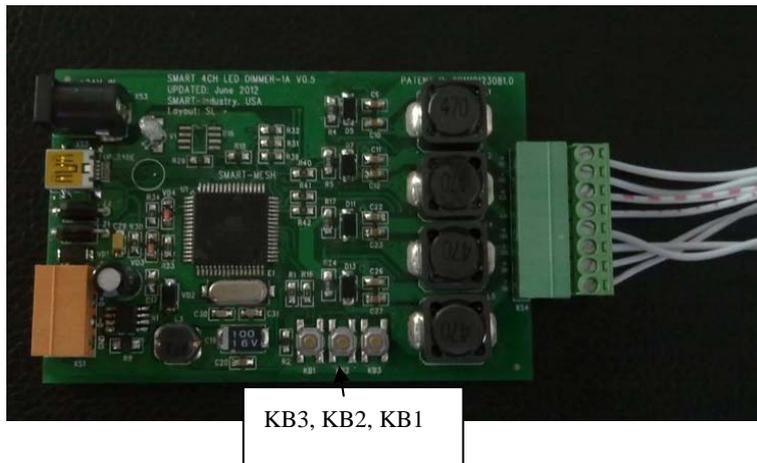
KB1(Broadcast button): broadcast button, it is for detecting the address of LED driver
KB2(Speed of sequence): speed of default sequences for LED
KB3(sequence): default sequences