StudioPro Digital 6 Channel LED Controller Manual
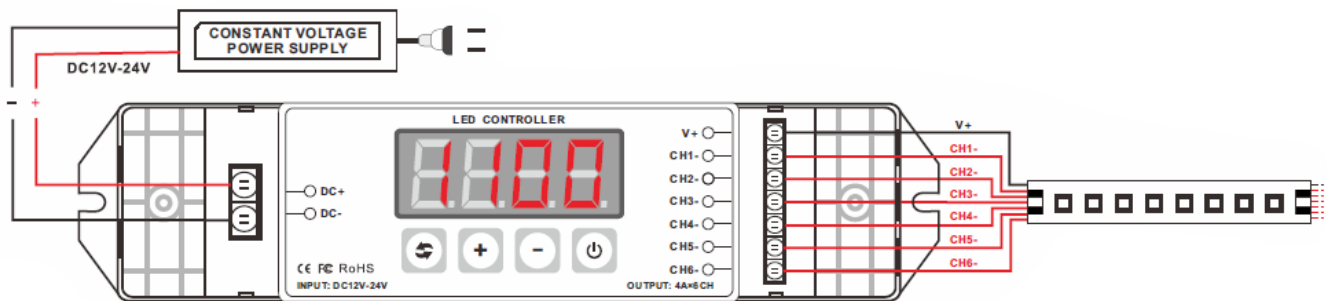
Part number: 6-Digi-Display

The StudioPro Digital 6 Channel LED Controller is an easy-to-program LED controller for use with up to six channels of LED lighting. Power-off memory saves the specific values for each channel. This reduces configuration time and allows for a set-and-forget set-up. Equipped with six channels of output, you can utilize our 6-in-1 ColorPlus 5050 LED Strip Light or control up to six individual single-color LED strip light reels.
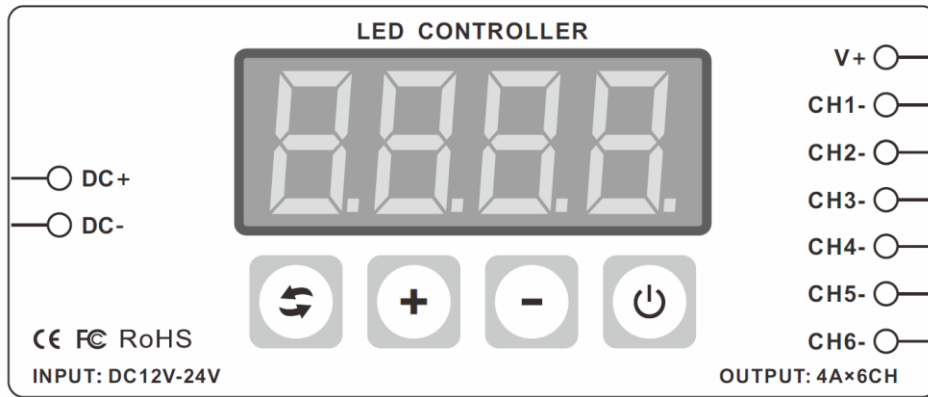
Features

- Six-channel LED controller
- Four amps per channel
- Power-off memory
- 20kHz PWM output

Wiring

1. Confirm that the power supply voltage matches the LED voltage and that the power supply is unplugged.
2. Unscrew and remove the housing covers on the ends of the controller to reveal the screw terminals. .
3. Connect the LED lighting to the controller output using the terminal block. The V+ wire should match up with the "V+" label on the terminal block. All channel wires on the strip should match up to one of the "CH1"-"Ch6" ports on the terminal block. Ensure that the maximum current draw per output is 4A.
4. Connect the unplugged power supply to the controller input using the DC+ and DC- screw terminals.
5. Screw the housing covers back on ensuring the wires are aligned with the notches in the housing.
6. Plug in the power supply.

Operation

Button	Description
⮂	Switch Button: Used for switching channel and unlocking controller.
+ −	Adjustment Buttons: Used for adjusting dimming level.
⏻	Power Button: Used to turn on and off individual channels.

Unlocking

The controller is unlocked when power is first applied. The controller locks automatically after 15 seconds of inoperation. To unlock the controller to change values, simple hold the Switch Button for 3 seconds. The values on the controller will start blinking to indicate that the controller is unlocked and values can be modified. Alternatively, disconnecting and reconnecting the controller to power will unlock the controller for use.

Individual Channel Control

To turn an individual channel on and off, short press the Power Button once. When the channel is off, the screen will display the channel number followed by the word "OFF".

Press the Power Button again to turn the channel back on. The controller will turn back on at the value set before it was turned off. When a channel is on, the value can be adjusted between 0-100 using the Adjustment Buttons. Use the "+" button to increase the value and the "-" to decrease the value.

Change between channels using the Switch Button.

Full Power Off/On

All channels can be turned off at once by pressing the Power Button for 3 seconds. The screen will change to show the word "OFF" to indicate all channels are off.

Hold the Power Button again for 3 seconds to turn all channels back on. All values for each channel will return to their previously set values.